Sample Name: ICIS Acquired: 5/1/2012 12:58:43 Type: Cal
Method: 6500_025 Mode: IR Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**-.00078**	**.00061**	**-.01666**	**-.00009**	**.00047**	**-.00055**	**-.00006**	**-.00050**	**.00248**	**.00009**	**.00021**	**-.00003**	**.00432**
Stddev	.00008	.00005	.00009	.00012	.00009	.00133	.00005	.00018	.00016	.00024	.00003	.00009	.00006
%RSD	10.277	7.5947	.55689	131.06	18.385	241.05	86.464	36.728	6.6347	277.56	14.311	308.30	1.2881
#1	-.00073	.00065	-.01672	-.00001	.00053	-.00149	-.00010	-.00063	.00236	.00025	.00023	-.00010	.00428
#2	-.00084	.00058	-.01659	-.00018	.00041	.00039	-.00002	-.00037	.00259	-.00008	.00019	.00004	.00436

Elem	Fe2599	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Na8183	Ni2316	P_1782	Pb2203	S_1820
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**-.00014**	**.00056**	**.00166**	**.00164**	**-.00006**	**-.00021**	**-.00013**	**.00069**	**-.01504**	**.00045**	**-.00004**	**.00062**	**.00012**
Stddev	.00023	.00027	.00016	.00026	.00002	.00004	.00001	.00063	.00128	.00010	.00001	.00029	.00014
%RSD	170.18	48.031	9.3661	15.895	26.912	20.865	4.2293	90.760	8.4951	21.880	24.368	46.190	118.17
#1	.00003	.00037	.00155	.00182	-.00008	-.00018	-.00013	.00025	-.01594	.00052	-.00003	.00082	.00021
#2	-.00030	.00075	.00177	.00145	-.00005	-.00024	-.00014	.00114	-.01413	.00038	-.00005	.00042	.00002

Elem	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**.00094**	**.00031**	**.00101**	**.00101**	**.00007**	**-.00140**	**-.00024**	**-.00042**	**-.00024**	**-.00015**	**.00022**	**.00001**	**-.00131**
Stddev	.00001	.00005	.00056	.00056	.00006	.00036	.00004	.00002	.00004	.00012	.00004	.00001	.00071
%RSD	1.3573	17.743	55.840	55.840	86.993	26.098	18.575	4.1240	18.567	80.676	16.605	80.731	54.258
#1	.00093	.00027	.00140	.00140	.00012	-.00166	-.00021	-.00043	-.00021	-.00007	.00024	.00001	-.00181
#2	.00095	.00035	.00061	.00061	.00003	-.00114	-.00027	-.00040	-.00027	-.00024	.00019	.00000	-.00081

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**3169.7**	**48716.**	**4977.0**
Stddev	.6	146.	9.1
%RSD	.02038	.29896	.18374
#1	3170.1	48613.	4970.6
#2	3169.2	48819.	4983.5

Sample Name: ICAL1 Acquired: 5/1/2012 13:01:10 Type: Cal
Method: 6500_025 Mode: IR Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599	K_7664	Li6707
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**.31572**	**.18094**	**.06401**	**.26449**	**5.8699**	**6.3938**	**1.6803**	**1.5942**	**.95403**	**.91400**	**.38246**	**.64989**	**4.0165**	**1.4700**
Stddev	.00060	.00021	.00020	.00029	.0119	.0261	.0066	.0018	.00063	.00068	.00078	.00439	.0053	.0078
%RSD	.18874	.11488	.31866	.11083	.20197	.40890	.39549	.11148	.06624	.07417	.20337	.67625	.13247	.52993
#1	.31614	.18080	.06386	.26470	5.8783	6.4123	1.6850	1.5930	.95448	.91352	.38301	.65299	4.0203	1.4755
#2	.31530	.18109	.06415	.26429	5.8615	6.3753	1.6756	1.5955	.95358	.91448	.38191	.64678	4.0128	1.4645

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Ti3349
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**1.1491**	**1.3519**	**.43319**	**1.2314**	**.70051**	**.07745**	**.50174**	**.18332**	**.06470**	**.27176**	**.27176**	**.18068**	**11.027**	**.41314**
Stddev	.0032	.0056	.00057	.0034	.00023	.00022	.00057	.00038	.00034	.00006	.00006	.00003	.032	.00130
%RSD	.28056	.41422	.13081	.27604	.03334	.28882	.11453	.20533	.51995	.02194	.02194	.01812	.29295	.31367
#1	1.1514	1.3559	.43359	1.2338	.70034	.07729	.50134	.18359	.06446	.27180	.27180	.18066	11.049	.41405
#2	1.1468	1.3479	.43279	1.2290	.70067	.07761	.50215	.18305	.06493	.27172	.27172	.18070	11.004	.41222

Elem	Tl1908	V_2924	Zn2062	Zr3391
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**.14423**	**.27930**	**.02680**	**.31092**
Stddev	.00057	.00094	.00004	.00121
%RSD	.39538	.33677	.14573	.38868
#1	.14382	.27996	.02683	.31178
#2	.14463	.27863	.02677	.31007

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**3126.7**	**47706.**	**5037.6**
Stddev	8.3	146.	28.8
%RSD	.26495	.30499	.57133
#1	3132.5	47603.	5017.2
#2	3120.8	47808.	5057.9

Sample Name: ICAL2 Acquired: 5/1/2012 13:03:22 Type: Cal
Method: 6500_025 Mode: IR Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3092	Bi2230	Fe2714	Na8183	S_1820	Th2837	U_3701
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**4.4235**	**.23125**	**.65739**	**2.3967**	**.26280**	**.61163**	**.14397**
Stddev	.0018	.00202	.00212	.0007	.00347	.00386	.00062
%RSD	.04103	.87370	.32222	.03063	1.3210	.63051	.42798
#1	4.4223	.22982	.65589	2.3962	.26035	.60890	.14354
#2	4.4248	.23268	.65889	2.3972	.26526	.61436	.14441

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**2974.8**	**44989.**	**4995.7**
Stddev	57.1	313.	2.3
%RSD	1.9187	.69511	.04625
#1	2934.5	45210.	4997.3
#2	3015.2	44768.	4994.1

Sample Name: S1-1390954 Acquired: 5/1/2012 13:05:49 Type: QC
Method: 6500_025 Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.99357**	**1.0073**	**1.9882**	**.98251**	**.99056**	**.98864**	**-.00177**	**9.9068**	**.99279**	**.99318**	**.99576**	**.99231**	**4.9915**
Stddev	.00019	.0060	.0119	.00759	.00434	.00156	.00038	.0200	.00532	.00111	.00294	.00103	.0016
%RSD	.01874	.59300	.59876	.77221	.43805	.15806	21.532	.20230	.53615	.11224	.29554	.10425	.03201
#1	.99344	1.0116	1.9798	.97714	.98749	.98754	-.00150	9.8926	.98902	.99239	.99368	.99158	4.9904
#2	.99371	1.0031	1.9966	.98787	.99363	.98975	-.00204	9.9209	.99655	.99397	.99784	.99304	4.9926
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Na8183	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**99.113**	**1.9820**	**39.920**	**.99813**	**.99593**	**10.179**	F **10.572**	**.99487**	**1.9635**	**1.9886**	**.00911**	**1.9746**	**1.9633**
Stddev	.260	.0116	.036	.00059	.00290	.017	.152	.00132	.0106	.0039	.00839	.0134	.0054
%RSD	.26249	.58610	.08997	.05883	.29130	.16962	1.4397	.13303	.53862	.19502	92.031	.67961	.27313
#1	98.929	1.9738	39.945	.99771	.99388	10.167	10.465	.99394	1.9560	1.9858	.00318	1.9651	1.9595
#2	99.297	1.9902	39.895	.99855	.99798	10.191	10.680	.99581	1.9710	1.9913	.01504	1.9840	1.9671
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass
Value							10.000						
Range							5.0000%						

Elem	Si2881	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**9.9317**	**21.254**	**1.9894**	**.98980**	**.00013**	**.99562**	**1.9838**	**-.01181**	**1.0023**	**1.0103**	**.99069**
Stddev	.0217	.046	.0041	.00251	.00039	.00111	.0028	.03715	.0034	.0047	.00648
%RSD	.21819	.21819	.20554	.25349	304.03	.11197	.13898	314.63	.33668	.46918	.65387
#1	9.9164	21.221	1.9865	.98803	-.00015	.99483	1.9858	.01446	.99990	1.0070	.98611
#2	9.9470	21.287	1.9923	.99158	.00041	.99641	1.9819	-.03808	1.0047	1.0137	.99527
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value											
Range											

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**3033.9**	**46338.**	**5049.4**
Stddev	52.8	226.	4.5
%RSD	1.7389	.48691	.08904
#1	2996.6	46498.	5052.6
#2	3071.2	46179.	5046.2

Sample Name: S2-1390956 Acquired: 5/1/2012 13:08:01 Type: QC
Method: 6500_025 Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **-.00161**	**99.815**	**-.00222**	**.00375**	**.00120**	**.00047**	**2.0026**	**.01235**	**.00027**	**.00119**	**.00078**	**-.00329**
Stddev	.00010	.415	.00300	.00009	.00021	.00006	.0019	.00199	.00032	.00040	.00006	.00008
%RSD	6.4987	.41538	135.12	2.5180	17.711	11.634	.09219	16.086	116.32	33.675	7.7640	2.5099
#1	-.00153	100.11	-.00010	.00368	.00136	.00051	2.0013	.01375	.00050	.00147	.00074	-.00335
#2	-.00168	99.522	-.00433	.00382	.00105	.00044	2.0039	.01094	.00005	.00091	.00082	-.00323
Check ?	Chk Fail	Chk Pass	None	None	None	None	Chk Pass	None	None	None	None	None
Value	.00000											
Range	-.07000%											

Elem	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316	P_1782	Pb2203	S_1820	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**99.798**	**.09742**	**.00453**	**-.04126**	**.00052**	**.00308**	**499.84**	**.00304**	**.00951**	**-.00096**	**9.9713**	**.00238**
Stddev	.190	.04950	.00149	.00245	.00006	.00063	2.71	.00007	.00217	.00098	.0488	.00106
%RSD	.19021	50.816	32.845	5.9478	11.480	20.444	.54192	2.1645	22.862	102.40	.48972	44.600
#1	99.932	.13242	.00558	-.03953	.00056	.00264	501.75	.00308	.01105	-.00165	9.9367	.00163
#2	99.663	.06241	.00347	-.04300	.00048	.00353	497.92	.00299	.00797	-.00026	10.006	.00313
Check ?	Chk Pass	None	None	None	None	None	Chk Pass	None	None	None	Chk Pass	None
Value												
Range												

Elem	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01190**	**.02333**	**.04993**	**.00443**	**.00100**	**9.9442**	**.01213**	**.00148**	**20.046**	**-.00511**	**.00076**	**-.04408**
Stddev	.00198	.00254	.00543	.00032	.00002	.1169	.00023	.00025	.297	.00078	.00018	.00343
%RSD	16.630	10.868	10.868	7.1774	2.0766	1.1751	1.9314	17.130	1.4824	15.271	23.084	7.7802
#1	.01330	.02154	.04610	.00465	.00101	10.027	.01230	.00166	20.257	-.00456	.00064	-.04651
#2	.01050	.02513	.05377	.00420	.00098	9.8616	.01196	.00130	19.836	-.00567	.00088	-.04166
Check ?	None	None	None	None	None	Chk Pass	None	None	Chk Pass	None	None	None
Value												
Range												

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**2931.2**	**44319.**	**4982.6**
Stddev	60.9	245.	12.4
%RSD	2.0762	.55195	.24867
#1	2888.2	44492.	4991.4
#2	2974.2	44146.	4973.9

Sample Name: ICVH-1380902 Acquired: 5/1/2012 13:10:27 Type: QC
Method: 6500_025 Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00010**	**39.875**	**.00181**	**.00151**	**.00035**	**.00007**	**.52475**	**38.760**	**.00026**	**.00071**	**.00042**	**-.00085**
Stddev	.00042	.472	.00071	.00029	.00011	.00002	.00037	.285	.00009	.00006	.00020	.00030
%RSD	431.04	1.1832	39.258	18.921	30.559	28.137	.07061	.73532	32.366	8.4737	48.269	35.310
#1	-.00039	39.542	.00131	.00131	.00027	.00006	.52501	38.559	.00032	.00067	.00028	-.00106
#2	.00020	40.209	.00231	.00171	.00042	.00008	.52449	38.962	.00020	.00075	.00057	-.00064
Check ?	None	Chk Pass	None	None	None	None	Chk Pass	None	None	None	None	None
Value												
Range												

Elem	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316	P_1782	Pb2203	S_1820	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**79.637**	**.01229**	**.00199**	**-.01182**	**.00066**	**-.00011**	**41.274**	**.00025**	**.00270**	**-.00158**	**3.8745**	**.00027**
Stddev	.391	.00600	.00021	.00046	.00006	.00020	.274	.00013	.00111	.00151	.0187	.00145
%RSD	.49148	48.826	10.319	3.9071	9.8096	175.11	.66299	51.715	41.148	95.404	.48255	542.81
#1	79.360	.01654	.00185	-.01150	.00061	-.00026	41.081	.00034	.00348	-.00052	3.8613	-.00076
#2	79.914	.00805	.00214	-.01215	.00070	.00003	41.468	.00016	.00191	-.00265	3.8877	.00129
Check ?	Chk Pass	None	None	None	None	None	Chk Pass	None	None	None	Chk Pass	None
Value												
Range												

Elem	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00680**	**.01871**	**.04005**	**.00224**	**.00038**	**2.9898**	**.00374**	**.00004**	W **5.2806**	**-.00115**	**2.4515**	**-.01693**
Stddev	.00218	.01778	.03806	.00020	.00010	.0080	.00028	.00108	.0073	.00016	.0032	.00434
%RSD	32.044	95.028	95.028	8.7891	26.576	.26939	7.4526	2677.5	.13763	13.972	.12842	25.631
#1	.00526	.00614	.01314	.00238	.00045	2.9955	.00354	.00080	5.2755	-.00127	2.4537	-.02000
#2	.00834	.03129	.06696	.00210	.00031	2.9841	.00394	-.00072	5.2858	-.00104	2.4492	-.01386
Check ?	None	None	None	None	None	Chk Pass	None	None	Chk Warn	None	None	None
Value									5.0000			
Range									5.4900%			

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**3126.5**	**47783.**	**5101.3**
Stddev	2.1	153.	10.6
%RSD	.06704	.32107	.20873
#1	3125.0	47674.	5093.8
#2	3128.0	47891.	5108.8

Sample Name: ICV-1383584 Acquired: 5/1/2012 13:13:55 Type: QC
Method: 6500_025 Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.25022**	**.26023**	**.24127**	**.24775**	**.25110**	**.24289**	**-.00269**	**1.9992**	**.25060**	**.25029**	**.25221**	**.25147**	**.25615**
Stddev	.00114	.00117	.00629	.00093	.00086	.00160	.00243	.0153	.00044	.00098	.00103	.00109	.00074
%RSD	.45514	.44788	2.6072	.37384	.34076	.66013	90.439	.76316	.17431	.39125	.40675	.43498	.28770
#1	.25102	.26105	.23682	.24710	.25171	.24403	-.00440	2.0100	.25091	.25098	.25293	.25224	.25667
#2	.24941	.25941	.24572	.24841	.25050	.24176	-.00097	1.9884	.25029	.24960	.25148	.25070	.25563
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**20.055**	**.25731**	**9.9072**	**.25360**	**.24845**	**2.0539**	**.25300**	**1.9085**	**.25467**	**.00142**	**.24598**	**.48540**	**1.9935**
Stddev	.118	.00256	.0337	.00054	.00068	.0036	.00099	.0043	.00073	.00006	.00018	.00027	.0053
%RSD	.58896	.99661	.34056	.21443	.27170	.17552	.39087	.22258	.28631	4.5029	.07175	.05637	.26622
#1	20.139	.25550	9.9310	.25399	.24893	2.0564	.25370	1.9055	.25519	.00137	.24610	.48520	1.9972
#2	19.972	.25912	9.8833	.25322	.24797	2.0513	.25230	1.9115	.25416	.00146	.24585	.48559	1.9897
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**4.2660**	**.50311**	**.24981**	**.00088**	**.24952**	**.52414**	**.00285**	**.24965**	**.25318**	**.24343**
Stddev	.0114	.00095	.00160	.00002	.00160	.00314	.00377	.00054	.00163	.00002
%RSD	.26622	.18845	.64190	2.4080	.64197	.59951	132.19	.21607	.64453	.00685
#1	4.2740	.50244	.25094	.00090	.25065	.52637	.00019	.25003	.25434	.24342
#2	4.2580	.50379	.24868	.00087	.24839	.52192	.00552	.24926	.25203	.24345
Check ?	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value										
Range										

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**3103.6**	**46891.**	**4991.9**
Stddev	54.3	425.	1.7
%RSD	1.7489	.90579	.03404
#1	3065.3	47191.	4993.1
#2	3142.0	46591.	4990.7

Sample Name: ICVL1390952 Acquired: 5/1/2012 13:16:44 Type: QC
Method: 6500_025 Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01020**	**.10583**	**.01364**	**.10034**	**.01007**	**.00112**	**.11890**	**.20215**	**.00513**	**.01052**	**.01006**	**.01531**	**.10195**
Stddev	.00018	.00091	.00429	.00029	.00007	.00005	.00043	.00635	.00008	.00040	.00011	.00054	.00203
%RSD	1.7499	.86228	31.438	.29263	.73447	4.8833	.35860	3.1400	1.5856	3.7624	1.0546	3.5399	1.9948
#1	.01033	.10647	.01668	.10055	.01012	.00108	.11920	.20664	.00507	.01024	.01014	.01492	.10338
#2	.01007	.10518	.01061	.10013	.01002	.00116	.11860	.19766	.00518	.01080	.00999	.01569	.10051
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**3.0991**	F **.01409**	**.20868**	**.01030**	**.01996**	**1.0627**	**.04155**	**2.9076**	**.00922**	**.00334**	**.00843**	**.01296**	**.48663**
Stddev	.0276	.00069	.00318	.00005	.00008	.0155	.00029	.0026	.00051	.00108	.00267	.00183	.00501
%RSD	.88932	4.9111	1.5233	.44515	.38337	1.4605	.69212	.08770	5.4815	32.525	31.660	14.152	1.0303
#1	3.0797	.01458	.20644	.01034	.01990	1.0517	.04175	2.9058	.00957	.00410	.00654	.01426	.48309
#2	3.1186	.01360	.21093	.01027	.02001	1.0736	.04135	2.9094	.00886	.00257	.01031	.01166	.49018
Check ?	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value		.01000											
Range		30.000%											

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.0414**	**.10368**	**.01010**	**.01507**	**.00985**	**.01526**	F **.08238**	**.00997**	**.02311**	**.01311**
Stddev	.0107	.00143	.00004	.00087	.00041	.00014	.01459	.00058	.00040	.00020
%RSD	1.0303	1.3760	.38800	5.7902	4.1812	.91164	17.710	5.8596	1.7350	1.4875
#1	1.0338	.10469	.01013	.01568	.00955	.01535	.07207	.01038	.02340	.01297
#2	1.0490	.10267	.01007	.01445	.01014	.01516	.09270	.00956	.02283	.01325
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
Value							.06000			
Range							30.000%			

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**3239.7**	**48171.**	**5010.4**
Stddev	2.0	270.	40.2
%RSD	.06042	.56017	.80204
#1	3238.3	48362.	5038.8
#2	3241.0	47981.	4982.0

Sample Name: CCVH-1390999 Acquired: 5/1/2012 13:19:42 Type: QC
Method: 6500_025 Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2714
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00106**	**50.061**	**-.00229**	**.00163**	**.00022**	**.00009**	**1.0321**	**.00104**	**.00005**	**.00034**	**.00044**	**-.00163**	**49.559**
Stddev	.00014	.199	.00186	.00019	.00014	.00008	.0068	.00131	.00003	.00008	.00007	.00017	.004
%RSD	13.135	.39805	81.128	11.628	62.300	86.306	.65931	126.26	62.358	24.937	14.851	10.649	.00821
#1	-.00116	49.921	-.00360	.00177	.00032	.00014	1.0273	.00011	.00003	.00028	.00049	-.00150	49.556
#2	-.00096	50.202	-.00098	.00150	.00012	.00003	1.0369	.00196	.00007	.00040	.00039	-.00175	49.562
Check ?	None	Chk Pass	None	None	None	None	Chk Pass	None	None	None	None	None	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00427**	**.00113**	**-.02373**	**.00013**	**.00054**	**248.67**	**.00087**	**.00389**	**-.00149**	**4.9996**	**-.00237**	**.00851**	**-.00675**
Stddev	.00289	.00230	.00044	.00002	.00010	1.00	.00025	.00083	.00073	.0272	.00206	.00532	.00426
%RSD	67.777	202.71	1.8559	16.426	17.704	.40357	28.083	21.312	49.349	.54442	87.011	62.513	63.061
#1	.00632	-.00049	-.02404	.00014	.00047	247.96	.00105	.00330	-.00201	4.9804	-.00382	.00475	-.00374
#2	.00222	.00276	-.02341	.00011	.00060	249.37	.00070	.00448	-.00097	5.0189	-.00091	.01227	-.00976
Check ?	None	None	None	None	None	Chk Pass	None	None	None	Chk Pass	None	None	None
Value													
Range													

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.01445**	**.00210**	**.00035**	**4.9540**	**.00565**	**.00004**	**10.263**	**-.00274**	**.00117**	**-.02486**
Stddev	.00911	.00034	.00007	.0221	.00014	.00221	.045	.00032	.00044	.00153
%RSD	63.061	16.199	20.496	.44672	2.5313	5379.7	.43618	11.493	37.601	6.1744
#1	-.00801	.00186	.00030	4.9384	.00575	-.00152	10.232	-.00296	.00148	-.02594
#2	-.02090	.00234	.00040	4.9697	.00555	.00160	10.295	-.00252	.00086	-.02377
Check ?	None	None	None	Chk Pass	None	None	Chk Pass	None	None	None
Value										
Range										

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**3082.8**	**46810.**	**5063.5**
Stddev	.4	173.	14.8
%RSD	.01456	.37007	.29230
#1	3082.4	46933.	5074.0
#2	3083.1	46688.	5053.1

Sample Name: CCV-1390955 Acquired: 5/1/2012 13:22:03 Type: QC
Method: 6500_025 Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.49568**	**.49908**	**.97339**	**.49277**	**.49569**	**.48894**	**-.00286**	**4.9521**	**.49855**	**.49806**	**.49667**	**.49670**	**2.4693**
Stddev	.00204	.00152	.00387	.00339	.00022	.00000	.00135	.0040	.00103	.00068	.00084	.00212	.0095
%RSD	.41249	.30525	.39800	.68804	.04425	.00010	47.224	.08161	.20617	.13683	.16934	.42760	.38397
#1	.49713	.50016	.97613	.49517	.49553	.48894	-.00190	4.9549	.49928	.49855	.49608	.49820	2.4760
#2	.49424	.49800	.97065	.49037	.49584	.48894	-.00381	4.9492	.49782	.49758	.49727	.49520	2.4625
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**49.484**	**1.0014**	**19.579**	**.49233**	**.49472**	**4.9908**	**.49975**	**.96571**	**1.0102**	**.00006**	**.98595**	**.98612**	**4.9239**
Stddev	.062	.0009	.113	.00282	.00009	.0167	.00013	.00071	.0053	.00708	.00004	.00380	.0052
%RSD	.12553	.09363	.57891	.57247	.01719	.33474	.02672	.07306	.51924	12185.	.00355	.38510	.10505
#1	49.440	1.0021	19.659	.49433	.49466	5.0026	.49985	.96621	1.0139	-.00495	.98598	.98344	4.9275
#2	49.528	1.0007	19.499	.49034	.49478	4.9790	.49966	.96521	1.0065	.00507	.98593	.98881	4.9202
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**10.537**	**.98547**	**.49317**	**.00017**	**.49220**	**1.0140**	**-.00243**	**.49642**	**.49356**	**.49380**
Stddev	.011	.00137	.00075	.00012	.00245	.0011	.03021	.00244	.00035	.00394
%RSD	.10505	.13930	.15191	71.581	.49720	.10434	1245.6	.49160	.07024	.79855
#1	10.545	.98644	.49264	.00008	.49393	1.0132	-.02379	.49814	.49380	.49101
#2	10.529	.98450	.49370	.00025	.49047	1.0147	.01894	.49469	.49331	.49659
Check ?	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value										
Range										

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**3170.9**	**48737.**	**5073.0**
Stddev	8.4	370.	31.4
%RSD	.26345	.75890	.61849
#1	3165.0	48475.	5095.1
#2	3176.8	48998.	5050.8

Sample Name: ICB Acquired: 5/1/2012 13:24:17 Type: QC
Method: 6500_025 Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00006**	**.00011**	**-.00310**	**.00038**	**.00037**	**.00002**	**-.00353**	**-.00044**	**.00003**	**-.00022**	**.00014**	**-.00014**	**.01963**
Stddev	.00048	.00024	.00141	.00033	.00024	.00005	.00070	.00414	.00003	.00002	.00003	.00016	.00187
%RSD	820.74	210.17	45.565	86.957	64.980	238.34	19.958	939.26	116.77	7.8393	25.320	113.03	9.5338
#1	.00039	-.00005	-.00210	.00062	.00020	.00005	-.00403	.00249	.00005	-.00023	.00011	-.00025	.02095
#2	-.00028	.00028	-.00409	.00015	.00054	-.00001	-.00303	-.00337	.00000	-.00021	.00016	-.00003	.01830
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit													
Low Limit													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00984**	**.00123**	**-.00135**	**.00011**	**.00073**	**.02097**	**-.00048**	**.00015**	**.00035**	**-.00056**	**.00170**	**.00415**	**.00030**
Stddev	.01218	.00182	.00018	.00005	.00015	.00131	.00043	.00034	.00059	.00591	.00224	.00321	.00984
%RSD	123.77	148.49	13.531	47.957	20.900	6.2289	88.611	221.11	166.96	1063.5	131.81	77.253	3271.2
#1	.01845	-.00006	-.00148	.00007	.00063	.02005	-.00018	.00039	.00077	.00362	.00012	.00642	-.00665
#2	.00123	.00251	-.00122	.00015	.00084	.02189	-.00078	-.00009	-.00006	-.00474	.00328	.00188	.00726
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit													
Low Limit													

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00064**	**.00079**	**.00004**	**.00065**	**.00004**	**.00210**	**.02250**	**-.00035**	**.00178**	**-.00159**
Stddev	.02105	.00010	.00003	.00134	.00004	.00038	.02052	.00039	.00057	.00276
%RSD	3271.2	12.933	83.401	206.37	90.823	17.913	91.190	111.86	32.109	173.85
#1	-.01424	.00071	.00006	.00160	.00007	.00237	.03701	-.00063	.00138	-.00354
#2	.01553	.00086	.00002	-.00030	.00002	.00184	.00799	-.00007	.00219	.00036
Check ?	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**3167.5**	**47733.**	**5022.4**
Stddev	8.7	365.	77.9
%RSD	.27427	.76363	1.5505
#1	3161.4	47991.	5077.5
#2	3173.6	47476.	4967.3

Sample Name: CRI-1390953 Acquired: 5/1/2012 13:26:42 Type: QC
Method: 6500_025 Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01050**	**.11783**	**.00842**	**.10043**	**.00518**	**.00098**	**.11873**	**.20715**	**.00521**	**.00534**	**.01024**	**.01080**
Stddev	.00021	.00014	.00342	.00027	.00002	.00000	.00148	.00123	.00003	.00014	.00030	.00045
%RSD	1.9625	.11498	40.659	.27142	.28979	.32160	1.2493	.59292	.54385	2.5886	2.9721	4.1629
#1	.01036	.11773	.00600	.10062	.00517	.00098	.11978	.20802	.00523	.00525	.01046	.01048
#2	.01065	.11792	.01084	.10024	.00519	.00098	.11768	.20629	.00519	.00544	.01003	.01112
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value												
Range												

Elem	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.03316**	**1.0304**	W **.01304**	**.21027**	**.00322**	**.01049**	**1.0578**	**.01009**	**.97119**	**.00280**	**.10518**	**.00859**
Stddev	.00319	.0457	.00239	.00179	.00000	.00029	.0176	.00047	.00972	.00069	.00005	.00236
%RSD	9.6289	4.4384	18.353	.85205	.00451	2.7380	1.6608	4.6959	1.0011	24.595	.05127	27.516
#1	.03090	.99807	.01135	.20901	.00322	.01029	1.0702	.01043	.96431	.00329	.10522	.01026
#2	.03542	1.0627	.01473	.21154	.00322	.01069	1.0454	.00976	.97806	.00231	.10514	.00692
Check ?	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value			.01000									
Range			20.490%									

Elem	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **.01285**	**.49787**	**1.0654**	**.02050**	**.00514**	**.00981**	**.01035**	W **.01219**	**.06406**	**.00950**	**.01188**	**.00873**
Stddev	.00381	.00340	.0073	.00002	.00007	.00157	.00001	.00113	.01673	.00029	.00024	.00081
%RSD	29.643	.68295	.68295	.09152	1.2706	15.989	.08640	9.2714	26.119	3.0930	2.0070	9.2518
#1	.01015	.50027	1.0706	.02052	.00509	.01092	.01036	.01139	.07589	.00970	.01205	.00816
#2	.01554	.49546	1.0603	.02049	.00518	.00870	.01035	.01299	.05223	.00929	.01171	.00930
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value	.01000							.01000				
Range	20.490%							20.490%				

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**3245.0**	**50104.**	**5152.3**
Stddev	.7	196.	60.2
%RSD	.02151	.39202	1.1693
#1	3245.5	49965.	5194.9
#2	3244.5	50243.	5109.7

Sample Name: cri- Acquired: 5/1/2012 13:34:40 Type: Unk
Method: 6500_025 Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00013**	**-.00040**	**-.00586**	**-.00075**	**.00015**	**.00010**	**-.00157**	**-.00020**	**.00022**	**.00000**
Stddev	.00000	.00049	.00265	.00048	.00018	.00003	.00146	.00090	.00029	.00023
%RSD	3.7953	122.69	45.238	64.375	125.91	35.328	93.138	458.14	129.25	11389.
#1	.00013	-.00074	-.00773	-.00041	.00002	.00012	-.00053	-.00083	.00043	-.00016
#2	.00012	-.00005	-.00398	-.00109	.00028	.00007	-.00260	.00044	.00002	.00016
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00012**	**-.00007**	**-.00109**	**.00481**	**-.00059**	**-.00014**	**.00002**	**.00004**	**.01130**	**-.00042**
Stddev	.00011	.00041	.00480	.00244	.00351	.00074	.00005	.00051	.01793	.00026
%RSD	95.600	617.16	441.71	50.801	593.42	518.01	319.59	1322.5	158.57	62.023
#1	.00004	-.00035	.00231	.00654	.00189	-.00067	.00005	.00040	-.00137	-.00060
#2	.00020	.00022	-.00448	.00308	-.00307	.00038	-.00002	-.00032	.02398	-.00023
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00497**	**.00072**	**-.00362**	**-.00135**	**.01730**	**-.02595**	**-.05554**	**.00080**	**-.00006**	**.00092**
Stddev	.00089	.00114	.00360	.00033	.00158	.01543	.03303	.00003	.00005	.00110
%RSD	17.925	159.34	99.287	24.758	9.1595	59.467	59.467	3.1357	84.608	120.21
#1	.00434	.00153	-.00108	-.00159	.01842	-.03687	-.07889	.00082	-.00002	.00170
#2	.00560	-.00009	-.00617	-.00111	.01617	-.01504	-.03219	.00078	-.00010	.00014
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00032**	**-.00074**	**.02686**	**-.00032**	**-.00042**	**.00038**
Stddev	.00020	.00037	.02220	.00004	.00011	.00018
%RSD	62.953	50.096	82.651	11.167	25.330	46.023
#1	-.00018	-.00100	.01116	-.00035	-.00050	.00051
#2	-.00046	-.00048	.04256	-.00030	-.00035	.00026
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**3181.7**	**49427.**	**5053.0**
Stddev	14.4	164.	26.5
%RSD	.45190	.33155	.52490
#1	3171.6	49543.	5034.2
#2	3191.9	49311.	5071.7

Sample Name: ICSA-1363295 Acquired: 5/1/2012 13:39:21 Type: QC
Method: 6500_025 Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00040**	**512.17**	**.00158**	**-.00233**	**.00054**	**.00002**	**-.00076**	**472.14**	W **.00115**	**-.00100**	W **.00313**
Stddev	.00060	.44	.00296	.00100	.00001	.00009	.00571	.32	.00025	.00023	.00006
%RSD	151.33	.08667	187.52	42.770	2.6839	410.15	756.24	.06772	22.020	22.943	1.8323
#1	-.00083	511.86	-.00051	-.00162	.00053	-.00004	.00328	472.37	.00133	-.00116	.00317
#2	.00003	512.48	.00367	-.00303	.00055	.00008	-.00479	471.91	.00097	-.00084	.00309
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Warn
High Limit									.00080		.00133
Low Limit									-.00080		-.00133

Elem	Cu3247	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **.00452**	**196.45**	**.03805**	W **.00621**	**511.84**	**.00031**	**-.00383**	**.03827**	**-.00095**	**.00113**	W **.00590**
Stddev	.00012	.97	.02862	.00018	2.43	.00006	.00019	.00114	.00003	.00028	.00025
%RSD	2.7539	.49274	75.201	2.9059	.47466	20.802	4.9703	2.9899	3.3070	24.293	4.2691
#1	.00461	195.76	.05829	.00608	510.13	.00035	-.00396	.03746	-.00093	.00094	.00572
#2	.00444	197.13	.01782	.00633	513.56	.00026	-.00369	.03908	-.00097	.00133	.00608
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn
High Limit	.00272			.00522							.00500
Low Limit	-.00272			-.00522							-.00500

Elem	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00584**	**.00412**	**.00322**	**-.00813**	**-.01740**	**-.00039**	W **.00189**	W **-.01219**	**.00046**	**.00024**	**.01379**
Stddev	.00753	.00044	.00725	.00236	.00504	.00059	.00003	.00152	.00009	.00219	.01736
%RSD	128.96	10.587	225.44	28.996	28.996	152.81	1.6075	12.466	20.265	929.74	125.92
#1	.00051	.00382	-.00191	-.00980	-.02097	-.00080	.00187	-.01112	.00040	.00178	.00151
#2	.01117	.00443	.00835	-.00646	-.01383	.00003	.00191	-.01327	.00053	-.00131	.02606
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Warn	Chk Warn	Chk Pass	Chk Pass	Chk Pass
High Limit							.00050	.00800			
Low Limit							-.00050	-.00800			

Elem	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm
Avg	**.00134**	**-.00029**	**-.00215**
Stddev	.00004	.00003	.00044
%RSD	2.7584	11.666	20.612
#1	.00131	-.00027	-.00246
#2	.00136	-.00031	-.00184
Check ?	Chk Pass	Chk Pass	Chk Pass
High Limit			
Low Limit			

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**2808.3**	**41664.**	**4886.4**
Stddev	1.1	111.	52.4
%RSD	.04045	.26620	1.0719
#1	2807.5	41742.	4849.4
#2	2809.2	41585.	4923.5

Sample Name: ICSAB-1380196 Acquired: 5/1/2012 13:41:54 Type: QC
Method: 6500_025 Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2714
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.0892**	**497.63**	**1.9897**	**1.8364**	**.48909**	**.47084**	**1.0178**	**466.45**	**1.0134**	**.45909**	**.48194**	**.53937**	**190.74**
Stddev	.0040	.91	.0067	.0024	.00011	.00064	.0011	6.92	.0021	.00318	.00095	.00091	.19
%RSD	.36736	.18322	.33488	.13015	.02306	.13693	.10564	1.4831	.20799	.69264	.19811	.16913	.09773
#1	1.0921	496.99	1.9944	1.8381	.48901	.47039	1.0171	461.56	1.0149	.46134	.48262	.54001	190.61
#2	1.0864	498.28	1.9850	1.8347	.48917	.47130	1.0186	471.34	1.0119	.45684	.48127	.53872	190.87
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**51.400**	**1.0310**	**506.36**	**.50234**	**.95429**	**51.662**	**.90568**	**1.9005**	**.90531**	**1.0199**	**.93869**	**4.7674**	**9.9924**
Stddev	.090	.0018	.18	.00143	.00369	.330	.00298	.0064	.00108	.0008	.00280	.0139	.0750
%RSD	.17484	.17413	.03535	.28454	.38671	.63789	.32934	.33763	.11949	.07554	.29825	.29246	.75049
#1	51.337	1.0322	506.23	.50335	.95690	51.895	.90779	1.9051	.90608	1.0204	.94067	4.7773	9.9394
#2	51.464	1.0297	506.49	.50133	.95168	51.429	.90357	1.8960	.90455	1.0193	.93671	4.7576	10.045
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**21.384**	**9.0366**	**.97942**	**2.0566**	**.99733**	**8.3719**	**-.00819**	**.50301**	**.96844**	**.96512**
Stddev	.160	.0192	.00109	.0089	.00251	.0228	.05914	.00089	.00405	.00460
%RSD	.75049	.21259	.11112	.43347	.25122	.27286	722.09	.17651	.41781	.47685
#1	21.270	9.0502	.97865	2.0629	.99910	8.3881	-.05001	.50364	.97130	.96186
#2	21.497	9.0230	.98019	2.0503	.99555	8.3558	.03363	.50238	.96558	.96837
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value										
Range										

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**2811.7**	**41493.**	**4956.1**
Stddev	.1	44.	85.6
%RSD	.00474	.10651	1.7267
#1	2811.6	41461.	5016.6
#2	2811.8	41524.	4895.6

Sample Name: LRA-1341785 Acquired: 5/1/2012 13:44:14 Type: QC
Method: 6500_025 Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2714
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**2.0389**	**.09015**	**9.9731**	**9.4984**	**11.938**	**.00273**	**-.00358**	**.00184**	**2.0003**	**4.9158**	**9.8131**	**10.601**	**504.90**
Stddev	.0124	.00089	.0319	.0002	.039	.00002	.00507	.00015	.0011	.0020	.0047	.076	.62
%RSD	.60766	.98356	.32018	.00208	.32793	.59691	141.81	8.3560	.05637	.04127	.04838	.71892	.12214
#1	2.0301	.08953	9.9957	9.4985	11.965	.00274	-.00716	.00195	1.9995	4.9144	9.8165	10.547	505.34
#2	2.0476	.09078	9.9506	9.4983	11.910	.00272	.00001	.00173	2.0011	4.9172	9.8098	10.655	504.46
Check ?	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	None	None	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.08772**	**.00141**	**-.06413**	**9.9483**	**4.9018**	**.01012**	**9.8918**	**.00759**	**10.165**	**.01470**	**-.01054**	**4.9477**	**48.592**
Stddev	.03223	.00228	.00050	.1543	.0060	.00210	.0031	.00177	.009	.00282	.00344	.0195	.316
%RSD	36.744	161.77	.78693	1.5510	.12314	20.780	.03114	23.312	.08902	19.195	32.675	.39407	.64960
#1	-.11051	.00302	-.06377	9.8392	4.9061	.00863	9.8896	.00884	10.171	.01270	-.01298	4.9615	48.369
#2	-.06493	-.00020	-.06449	10.057	4.8976	.01160	9.8940	.00634	10.159	.01669	-.00811	4.9339	48.815
Check ?	None	None	None	Chk Pass	None	None	Chk Pass	None	Chk Pass	None	None	None	None
Value													
Range													

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**103.99**	**.00537**	**10.031**	**-.02852**	**9.8904**	**4.9738**	**.03591**	**9.9859**	**9.8410**	**-.00207**
Stddev	.68	.00016	.093	.00274	.0436	.0053	.01515	.0458	.0391	.00057
%RSD	.64960	3.0580	.92508	9.6145	.44063	.10602	42.199	.45909	.39768	27.807
#1	103.51	.00526	10.096	-.03046	9.8596	4.9776	.02519	9.9535	9.8133	-.00247
#2	104.46	.00549	9.9651	-.02658	9.9212	4.9701	.04662	10.018	9.8687	-.00166
Check ?	None	None	Chk Pass	None	Chk Pass	None	None	Chk Pass	Chk Pass	None
Value										
Range										

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**3139.5**	**47713.**	**5046.5**
Stddev	1.3	127.	4.3
%RSD	.04124	.26602	.08444
#1	3138.6	47803.	5043.5
#2	3140.4	47624.	5049.6

Sample Name: CCVH-1390999 Acquired: 5/1/2012 13:46:48 Type: QC
Method: 6500_025 Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2714
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00072**	**49.583**	**.00473**	**.01523**	**.00056**	**.00009**	**1.0160**	**.00311**	**.00002**	**.00043**	**.00047**	**-.00213**	**49.628**
Stddev	.00044	.198	.00450	.00138	.00003	.00001	.0021	.00035	.00006	.00017	.00007	.00007	.249
%RSD	61.822	.39904	95.136	9.0301	5.6241	14.228	.20160	11.207	342.53	40.404	15.021	3.5113	.50219
#1	-.00040	49.723	.00791	.01620	.00053	.00008	1.0174	.00287	-.00003	.00031	.00042	-.00208	49.804
#2	-.00103	49.443	.00155	.01426	.00058	.00010	1.0145	.00336	.00006	.00055	.00052	-.00218	49.451
Check ?	None	Chk Pass	None	None	None	None	Chk Pass	None	None	None	None	None	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.02251**	**.00011**	**-.02315**	**.00021**	**.00743**	**246.10**	**.00139**	**.00175**	**-.00087**	**4.9617**	**-.00178**	**.00465**	**.06226**
Stddev	.00649	.00238	.00323	.00012	.00221	.17	.00007	.00257	.00033	.0065	.00263	.00015	.00051
%RSD	28.823	2180.9	13.935	57.099	29.768	.06894	4.9268	147.16	37.795	.13065	147.35	3.2773	.81260
#1	.01792	-.00157	-.02087	.00030	.00587	246.22	.00144	.00356	-.00064	4.9663	.00007	.00454	.06190
#2	.02709	.00179	-.02543	.00013	.00899	245.98	.00134	-.00007	-.00110	4.9571	-.00364	.00476	.06261
Check ?	None	None	None	None	None	Chk Pass	None	None	None	Chk Pass	None	None	None
Value													
Range													

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.13323**	**.00182**	**.00045**	**5.0126**	**.00808**	**.00234**	**10.357**	**-.00330**	**.00135**	**-.03056**
Stddev	.00108	.00101	.00004	.0105	.00029	.00122	.015	.00017	.00037	.00021
%RSD	.81260	55.308	7.8834	.20898	3.6250	52.210	.14431	5.2868	27.317	.69105
#1	.13246	.00253	.00048	5.0201	.00788	.00320	10.368	-.00318	.00109	-.03041
#2	.13400	.00111	.00043	5.0052	.00829	.00148	10.347	-.00342	.00161	-.03071
Check ?	None	None	None	Chk Pass	None	None	Chk Pass	None	None	None
Value										
Range										

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**3082.3**	**46454.**	**5023.6**
Stddev	2.1	125.	40.7
%RSD	.06730	.26917	.80937
#1	3080.8	46543.	4994.8
#2	3083.8	46366.	5052.3

Sample Name: CCV-1390955 Acquired: 5/1/2012 13:49:09 Type: QC
Method: 6500_025 Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.50200**	**.50260**	**.98571**	**.49677**	**.49785**	**.48720**	**-.00025**	**4.9364**	**.49962**	**.50235**	**.50152**	**.50609**	**2.4929**
Stddev	.00112	.00029	.00380	.00067	.00073	.00079	.00218	.0059	.00147	.00001	.00095	.00039	.0013
%RSD	.22341	.05690	.38510	.13503	.14733	.16233	875.37	.11858	.29323	.00225	.18993	.07776	.05063
#1	.50121	.50239	.98303	.49630	.49733	.48664	-.00179	4.9323	.49858	.50234	.50085	.50582	2.4938
#2	.50279	.50280	.98840	.49725	.49837	.48776	.00129	4.9405	.50065	.50236	.50220	.50637	2.4920
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**49.715**	**.99277**	**19.908**	**.50161**	**.50069**	**4.9447**	**.50214**	**.96680**	**1.0255**	**.00839**	**.98248**	**.99799**	**4.8785**
Stddev	.092	.00184	.028	.00000	.00074	.0035	.00050	.00299	.0002	.00113	.00037	.00462	.0158
%RSD	.18560	.18565	.13873	.00006	.14734	.07012	.09984	.30943	.01747	13.463	.03780	.46308	.32310
#1	49.650	.99147	19.888	.50161	.50017	4.9471	.50178	.96469	1.0256	.00919	.98274	.99472	4.8673
#2	49.780	.99407	19.927	.50161	.50121	4.9422	.50249	.96892	1.0253	.00759	.98222	1.0013	4.8896
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**10.440**	**1.0043**	**.49509**	**.00118**	**.49545**	**1.0245**	**-.00122**	**.50244**	**.50865**	**.49728**
Stddev	.034	.0022	.00070	.00082	.00021	.0038	.00185	.00091	.00044	.00127
%RSD	.32310	.22162	.14089	69.615	.04186	.36914	151.77	.18150	.08639	.25614
#1	10.416	1.0059	.49459	.00175	.49530	1.0218	.00009	.50309	.50834	.49638
#2	10.464	1.0027	.49558	.00060	.49560	1.0272	-.00253	.50180	.50896	.49818
Check ?	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value										
Range										

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**3156.5**	**48184.**	**5062.2**
Stddev	1.8	59.	22.0
%RSD	.05738	.12187	.43496
#1	3157.8	48142.	5077.8
#2	3155.2	48226.	5046.6

Sample Name: CCB Acquired: 5/1/2012 13:51:22 Type: QC
Method: 6500_025 Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00043**	**.00039**	**-.00247**	W **.00489**	**.00019**	**-.00006**	**-.00092**	**.00015**	**.00011**	**-.00008**	**-.00012**	**-.00052**
Stddev	.00053	.00048	.00032	.00013	.00008	.00007	.00295	.00317	.00015	.00020	.00002	.00014
%RSD	124.43	121.53	13.102	2.5741	40.960	117.14	320.72	2073.7	136.72	238.76	17.926	27.263
#1	.00080	.00073	-.00270	.00480	.00014	-.00001	.00116	.00239	.00000	.00006	-.00014	-.00062
#2	.00005	.00006	-.00224	.00498	.00025	-.00011	-.00300	-.00209	.00022	-.00022	-.00011	-.00042
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				.00437								
Low Limit				-.00437								

Elem	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00186**	**.00059**	**.00255**	**.00070**	**.00009**	**.00108**	**.00998**	**-.00046**	**.00119**	**-.00115**	**.00135**	**.00107**
Stddev	.00122	.02404	.00126	.00117	.00005	.00050	.00410	.00037	.00095	.00075	.00319	.00092
%RSD	66.019	4108.3	49.200	167.43	55.026	46.450	41.099	80.603	80.057	65.014	236.28	86.365
#1	.00099	-.01641	.00166	.00152	.00005	.00073	.01288	-.00073	.00052	-.00062	.00360	.00042
#2	.00272	.01758	.00344	-.00013	.00012	.00144	.00708	-.00020	.00186	-.00168	-.00090	.00172
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit												
Low Limit												

Elem	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00323**	**-.00981**	**-.02100**	**.00118**	**.00002**	**.00096**	**.00039**	**-.00006**	**.00509**	**-.00086**	**.00185**	**.00014**
Stddev	.00126	.01205	.02579	.00083	.00003	.00063	.00002	.00104	.02520	.00030	.00043	.00101
%RSD	38.960	122.79	122.79	70.318	147.82	65.262	5.9367	1818.4	494.58	34.690	22.997	733.35
#1	.00234	-.01833	-.03923	.00060	.00000	.00141	.00037	.00068	.02291	-.00065	.00155	-.00057
#2	.00413	-.00129	-.00277	.00177	.00005	.00052	.00041	-.00079	-.01272	-.00107	.00215	.00085
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit												
Low Limit												

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**3176.3**	**48676.**	**5017.7**
Stddev	8.1	120.	33.3
%RSD	.25424	.24614	.66454
#1	3170.6	48592.	5041.3
#2	3182.0	48761.	4994.1

Sample Name: CCVL1390952 Acquired: 5/1/2012 13:53:47 Type: QC
Method: 6500_025 Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01041**	**.10601**	**.01317**	**.10262**	**.01031**	**.00103**	**.11725**	**.20136**	**.00533**	**.01040**	**.01043**	**.01503**	**.10044**
Stddev	.00044	.00132	.00007	.00014	.00023	.00001	.00024	.00337	.00017	.00009	.00000	.00004	.00049
%RSD	4.2654	1.2459	.54607	.13544	2.1844	.66158	.20455	1.6741	3.1123	.82999	.02455	.29786	.48835
#1	.01072	.10694	.01312	.10252	.01016	.00104	.11708	.20375	.00544	.01034	.01043	.01506	.10010
#2	.01009	.10507	.01322	.10272	.01047	.00103	.11741	.19898	.00521	.01046	.01043	.01499	.10079
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**3.0510**	**.01212**	**.21118**	**.01050**	**.02037**	**1.0406**	**.04144**	**2.8764**	**.01030**	**-.00058**	F **.00618**	**.01655**	**.51108**
Stddev	.0306	.00141	.00116	.00008	.00012	.0120	.00000	.0117	.00191	.00841	.00076	.00391	.01115
%RSD	1.0018	11.618	.55122	.72925	.61189	1.1567	.00687	.40693	18.492	1462.1	12.216	23.614	2.1815
#1	3.0294	.01112	.21200	.01044	.02046	1.0321	.04144	2.8681	.01165	.00537	.00565	.01931	.50320
#2	3.0726	.01311	.21035	.01055	.02028	1.0492	.04144	2.8846	.00896	-.00652	.00672	.01379	.51896
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Fail	Chk Pass	Chk Pass
Value											.01000		
Range											-30.000%		

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.0937**	**.10525**	**.01013**	**.01366**	**.01035**	**.01801**	**.06751**	**.00995**	**.02310**	**.01519**
Stddev	.0239	.00156	.00002	.00061	.00012	.00037	.00533	.00084	.00042	.00075
%RSD	2.1815	1.4863	.15651	4.4826	1.1139	2.0665	7.8931	8.4826	1.8170	4.9631
#1	1.0768	.10414	.01014	.01323	.01027	.01775	.07128	.01055	.02340	.01466
#2	1.1106	.10635	.01012	.01409	.01043	.01827	.06375	.00935	.02280	.01572
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value										
Range										

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**3168.9**	**47997.**	**5064.9**
Stddev	112.1	518.	30.1
%RSD	3.5379	1.0799	.59478
#1	3089.6	48364.	5086.2
#2	3248.2	47631.	5043.5

Sample Name: mb 280-117065/1-a Acquired: 5/1/2012 13:56:11 Type: Unk
Method: 6500_025(v2) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 117065 6010B Q4

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00001**	**.00221**	**-.00295**	**.00245**	**.00028**	**.00005**	**.00004**	**.02293**	**.00031**	**-.00019**
Stddev	.00045	.00086	.00061	.00081	.00007	.00008	.00203	.00254	.00003	.00023
%RSD	4541.8	38.777	20.680	33.021	24.656	145.66	5350.5	11.058	8.7396	120.15
#1	-.00031	.00161	-.00338	.00303	.00023	.00000	-.00140	.02114	.00033	-.00003
#2	.00033	.00282	-.00252	.00188	.00032	.00011	.00147	.02472	.00029	-.00035
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00007**	**-.00032**	**.00989**	**.03844**	**.00049**	**.00462**	**.00015**	**.00010**	**.15209**	**-.00031**
Stddev	.00005	.00012	.00073	.04307	.00379	.00343	.00003	.00009	.00673	.00011
%RSD	69.573	38.072	7.3795	112.03	776.56	74.348	18.304	85.372	4.4240	36.813
#1	-.00004	-.00023	.00937	.00799	.00317	.00219	.00017	.00017	.15685	-.00039
#2	-.00010	-.00041	.01040	.06889	-.00219	.00704	.00013	.00004	.14733	-.00023
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00086**	**-.00053**	F **.03558**	**-.00202**	**.00094**	**-.00274**	**-.00586**	**.00135**	**-.00002**	**.00082**
Stddev	.00040	.00076	.00392	.00033	.00009	.00502	.01074	.00012	.00003	.00008
%RSD	46.212	143.32	11.013	16.159	9.1260	183.29	183.29	9.1791	171.32	9.4601
#1	.00058	-.00107	.03835	-.00225	.00100	-.00629	-.01346	.00144	.00000	.00087
#2	.00114	.00001	.03281	-.00179	.00088	.00081	.00174	.00126	-.00004	.00076
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
High Limit			.01000							
Low Limit			-.01000							

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00019**	**.00126**	**-.01553**	**.00020**	W **.00886**	**-.00179**
Stddev	.00012	.00177	.02363	.00007	.00086	.00147
%RSD	63.347	140.37	152.11	36.192	9.6594	82.296
#1	.00027	.00001	-.03224	.00015	.00946	-.00075
#2	.00010	.00251	.00117	.00026	.00825	-.00283
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass
High Limit					.00500	
Low Limit					-.00500	

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**3156.2**	**47108.**	**5059.4**
Stddev	51.7	77.	98.4
%RSD	1.6387	.16379	1.9440
#1	3192.8	47163.	5128.9
#2	3119.7	47053.	4989.8

Sample Name: lcs 280-117065/2-a Acquired: 5/1/2012 13:58:37 Type: Unk
Method: 6500_025(v2) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 117065 6010B Q4

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.05108**	**1.9522**	**1.0366**	**1.0127**	**2.0617**	**.05120**	**2.1727**	**50.578**	**.10275**	**.50554**
Stddev	.00012	.0020	.0058	.0019	.0015	.00037	.0045	.109	.00025	.00130
%RSD	.23378	.10373	.56214	.18672	.07072	.72401	.20905	.21630	.24759	.25691
#1	.05116	1.9508	1.0325	1.0140	2.0627	.05146	2.1759	50.655	.10293	.50462
#2	.05099	1.9536	1.0407	1.0114	2.0606	.05094	2.1695	50.500	.10257	.50645
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.20631**	**.25872**	**1.0396**	**52.029**	**1.0409**	**50.712**	**.51903**	**1.0469**	**52.872**	**.50731**
Stddev	.00050	.00013	.0018	.003	.0000	.231	.00135	.0002	.387	.00049
%RSD	.24318	.05182	.17019	.00563	.00238	.45511	.25967	.01665	.73154	.09573
#1	.20595	.25862	1.0409	52.031	1.0409	50.875	.51998	1.0471	53.145	.50696
#2	.20666	.25881	1.0384	52.027	1.0409	50.549	.51808	1.0468	52.598	.50765
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**10.202**	**.50648**	**.01198**	**.49878**	**2.0465**	**10.336**	F **22.120**	**2.0549**	**1.0388**	**1.0412**
Stddev	.049	.00044	.00252	.00236	.0102	.017	.037	.0054	.0009	.0007
%RSD	.47592	.08694	21.015	.47338	.49790	.16526	.16526	.26224	.08561	.06850
#1	10.168	.50680	.01020	.49711	2.0393	10.324	22.094	2.0511	1.0394	1.0407
#2	10.236	.50617	.01376	.50045	2.0537	10.348	22.145	2.0587	1.0381	1.0417
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit							24.610			
Low Limit							20.100			

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.0392**	**2.0425**	**2.2229**	**.52346**	**.52268**	**.51444**
Stddev	.0016	.0003	.0272	.00094	.00253	.00104
%RSD	.15079	.01291	1.2229	.17894	.48385	.20283
#1	1.0404	2.0427	2.2421	.52412	.52447	.51518
#2	1.0381	2.0423	2.2037	.52280	.52089	.51370
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**3088.9**	**45782.**	**4856.7**
Stddev	4.0	1030.	43.5
%RSD	.12939	2.2487	.89636
#1	3086.1	45054.	4887.5
#2	3091.8	46509.	4825.9

Sample Name: 280-28079-c-2-e Acquired: 5/1/2012 14:00:48 Type: Unk
Method: 6500_025(v2) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 117065 6010B Q4

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00097**	**.01339**	**-.00026**	**.04438**	**.25255**	**.00008**	**-.00648**	**262.39**	**.00189**	**.00872**
Stddev	.00041	.00041	.00282	.00024	.00021	.00004	.00530	5.50	.00009	.00005
%RSD	42.922	3.0699	1064.4	.53662	.08358	43.775	81.826	2.0944	4.8263	.61112
#1	.00067	.01310	.00173	.04421	.25270	.00006	-.01022	266.28	.00182	.00868
#2	.00126	.01368	-.00226	.04455	.25240	.00011	-.00273	258.51	.00195	.00875
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00046**	**.00258**	**.03724**	**7.9577**	**.00726**	**68.347**	W **11.496**	**.00192**	**17.928**	**.02723**
Stddev	.00017	.00027	.00122	.0447	.00151	.067	.041	.00070	.141	.00044
%RSD	37.345	10.585	3.2837	.56204	20.814	.09856	.35647	36.576	.78503	1.6070
#1	.00058	.00239	.03810	7.9261	.00619	68.299	11.525	.00142	18.027	.02692
#2	.00034	.00277	.03637	7.9893	.00833	68.395	11.467	.00241	17.828	.02754
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass
High Limit							10.000			
Low Limit							-.01000			

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00808**	**.00223**	**21.098**	**-.00096**	**.00711**	**9.8436**	**21.065**	**.00137**	**.76322**	**-.00012**
Stddev	.00176	.00074	.128	.00025	.00462	.0242	.052	.00191	.00022	.00045
%RSD	21.799	33.068	.60613	25.785	65.007	.24622	.24622	138.81	.02819	365.32
#1	.00684	.00275	21.189	-.00078	.00384	9.8607	21.102	.00003	.76307	-.00044
#2	.00933	.00171	21.008	-.00113	.01037	9.8265	21.029	.00272	.76337	.00020
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00068**	**.00171**	W **-.07435**	**.00021**	**.00875**	**.00052**
Stddev	.00012	.00242	.02446	.00030	.00013	.00131
%RSD	17.840	141.67	32.901	145.74	1.5329	252.12
#1	.00077	.00341	-.09165	-.00001	.00866	-.00041
#2	.00060	.00000	-.05705	.00042	.00885	.00145
Check ?	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass
High Limit			45.000			
Low Limit			-.05000			

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**3015.4**	**46520.**	**5111.8**
Stddev	3.3	80.	20.8
%RSD	.10805	.17189	.40654
#1	3013.1	46576.	5097.1
#2	3017.7	46463.	5126.5

Sample Name: 280-28079-c-12-c Acquired: 5/1/2012 14:03:22 Type: Unk
Method: 6500_025(v2) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 117065 6010B Q4

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00097**	**.10562**	**.01423**	**.25619**	**1.0487**	**.00004**	**-.00067**	**144.67**	**.00044**	**.00169**
Stddev	.00038	.00177	.00240	.00038	.0037	.00007	.00221	1.08	.00008	.00024
%RSD	39.084	1.6746	16.889	.14814	.35284	181.52	328.29	.74506	17.555	14.205
#1	.00124	.10687	.01253	.25592	1.0461	.00009	-.00223	143.91	.00050	.00186
#2	.00070	.10437	.01593	.25646	1.0513	-.00001	.00089	145.43	.00039	.00152
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	271.441 {124}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00227**	**.00824**	**98.187**	**5.2348**	**.00780**	**28.373**	**5.1094**	**.00007**	**14.566**	**.00450**
Stddev	.00022	.00042	.692	.0261	.00036	.188	.0097	.00025	.118	.00087
%RSD	9.7405	5.0690	.70457	.49859	4.6290	.66332	.18967	369.59	.81051	19.412
#1	.00243	.00853	97.698	5.2164	.00754	28.506	5.1163	-.00011	14.649	.00512
#2	.00212	.00794	98.676	5.2533	.00805	28.240	5.1026	.00024	14.482	.00389
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.23332**	**.00052**	**1.8844**	**-.00151**	**.00622**	**15.563**	**33.305**	**.00133**	**.51192**	**-.00436**
Stddev	.00829	.00157	.0129	.00290	.00364	.148	.317	.00022	.00232	.00009
%RSD	3.5531	302.80	.68352	191.85	58.552	.95156	.95156	16.339	.45394	2.0155
#1	.22746	.00163	1.8935	.00054	.00364	15.458	33.081	.00149	.51028	-.00429
#2	.23919	-.00059	1.8753	-.00356	.00879	15.668	33.529	.00118	.51357	-.00442
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00490**	**.00096**	**-.02330**	**.00170**	**.00801**	**.00024**
Stddev	.00043	.00303	.00064	.00103	.00088	.00184
%RSD	8.7632	316.38	2.7344	60.554	11.010	755.11
#1	.00459	-.00119	-.02375	.00243	.00738	-.00106
#2	.00520	.00310	-.02285	.00097	.00863	.00154
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**3117.9**	**47782.**	**5199.6**
Stddev	1.8	486.	48.6
%RSD	.05671	1.0178	.93498
#1	3119.1	47438.	5234.0
#2	3116.6	48126.	5165.2

Sample Name: 280-28079-c-14-e Acquired: 5/1/2012 14:05:50 Type: Unk
Method: 6500_025(v2) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 117065 6010B Q4

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00118**	**.08825**	**.05736**	**.03901**	**1.1247**	**.00013**	**-.00082**	**213.05**	**.00045**	**.00580**
Stddev	.00007	.00163	.00162	.00038	.0065	.00002	.00078	1.23	.00024	.00025
%RSD	6.0733	1.8424	2.8328	.96715	.57969	13.838	95.615	.57541	53.908	4.3539
#1	.00112	.08940	.05621	.03875	1.1293	.00012	-.00137	213.92	.00063	.00563
#2	.00123	.08710	.05851	.03928	1.1201	.00014	-.00026	212.19	.00028	.00598
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	271.441 {124}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00172**	**.00602**	**152.31**	**6.0453**	**.00763**	**38.732**	**9.1231**	**-.00024**	**28.870**	**.00875**
Stddev	.00048	.00001	.74	.1041	.00110	.009	.0690	.00047	.687	.00006
%RSD	28.110	.09267	.48771	1.7223	14.353	.02359	.75658	194.87	2.3792	.66333
#1	.00206	.00602	152.83	6.1189	.00841	38.726	9.1719	-.00057	29.355	.00871
#2	.00138	.00602	151.78	5.9717	.00686	38.739	9.0743	.00009	28.384	.00879
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.32342**	**.00083**	**.50254**	**.00198**	**.01628**	**15.731**	**33.665**	**.00094**	**.78067**	**-.00892**
Stddev	.00113	.00163	.00695	.00195	.00191	.049	.104	.00090	.00423	.00168
%RSD	.34828	197.74	1.3835	98.142	11.716	.30974	.30974	96.618	.54215	18.826
#1	.32262	-.00033	.49763	.00061	.01493	15.766	33.739	.00157	.78366	-.01011
#2	.32421	.00198	.50746	.00336	.01763	15.697	33.591	.00030	.77768	-.00773
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00270**	**.00161**	**-.04954**	**.00369**	**.00436**	**.00156**
Stddev	.00022	.00113	.00850	.00007	.00040	.00114
%RSD	8.1086	70.107	17.163	1.9274	9.2741	73.275
#1	.00285	.00081	-.05555	.00374	.00464	.00075
#2	.00254	.00240	-.04353	.00364	.00407	.00237
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**3060.8**	**46974.**	**5167.1**
Stddev	8.6	35.	2.3
%RSD	.28082	.07455	.04501
#1	3054.8	46999.	5165.5
#2	3066.9	46949.	5168.8

Sample Name: CCVH-1390999 Acquired: 5/1/2012 14:08:18 Type: QC
Method: 6500_025(v2) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00036**	**52.157**	**.00021**	**.00352**	**.00062**	**.00014**	W **1.0660**	**.04828**	**.00017**	**.00043**	**.00021**	**-.00231**
Stddev	.00099	.021	.00000	.00057	.00033	.00004	.0040	.01489	.00006	.00010	.00010	.00019
%RSD	274.51	.04080	.43681	16.246	53.184	29.352	.37028	30.833	34.464	23.611	45.008	8.1156
#1	-.00106	52.141	.00021	.00392	.00085	.00011	1.0632	.05881	.00021	.00036	.00028	-.00245
#2	.00034	52.172	.00021	.00311	.00038	.00016	1.0688	.03776	.00013	.00050	.00015	-.00218
Check ?	None	Chk Pass	None	None	None	None	Chk Warn	None	None	None	None	None
Value							1.0000					
Range							5.0000%					

Elem	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316	P_1782	Pb2203	S_1820	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**52.064**	**-.01125**	**.00496**	**-.02293**	**.00089**	**.00070**	**259.13**	**.00096**	**.00657**	**.00020**	**5.2046**	**-.00289**
Stddev	.298	.00424	.00104	.00014	.00015	.00002	.63	.00001	.00101	.00168	.0089	.00114
%RSD	.57226	37.651	21.044	.62834	17.197	3.2521	.24215	1.4607	15.395	848.56	.17042	39.510
#1	51.854	-.00826	.00569	-.02303	.00099	.00068	258.69	.00097	.00729	-.00099	5.1983	-.00370
#2	52.275	-.01425	.00422	-.02283	.00078	.00071	259.58	.00095	.00586	.00139	5.2109	-.00208
Check ?	Chk Pass	None	None	None	None	None	Chk Pass	None	None	None	Chk Pass	None
Value												
Range												

Elem	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00062**	**.00729**	**.01561**	**.00170**	**.00058**	**5.2078**	**.00616**	**-.00037**	W **10.722**	**-.00332**	**.00222**	**-.02729**
Stddev	.00338	.01782	.03812	.00032	.00004	.0117	.00055	.00032	.011	.00012	.00051	.00028
%RSD	541.18	244.27	244.27	18.894	7.3611	.22522	8.9901	85.361	.10509	3.5156	23.212	1.0432
#1	-.00176	-.00530	-.01135	.00193	.00061	5.2161	.00655	-.00015	10.730	-.00340	.00258	-.02749
#2	.00301	.01989	.04257	.00147	.00055	5.1995	.00577	-.00059	10.714	-.00323	.00185	-.02709
Check ?	None	None	None	None	None	Chk Pass	None	None	Chk Warn	None	None	None
Value									10.000			
Range									5.0000%			

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**3113.9**	**47268.**	**5107.1**
Stddev	6.3	209.	2.2
%RSD	.20126	.44160	.04379
#1	3118.4	47120.	5105.5
#2	3109.5	47415.	5108.7

Sample Name: CCV-1390955 Acquired: 5/1/2012 14:10:39 Type: QC
Method: 6500_025(v2) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.53770**	**.54437**	**1.0705**	**.53043**	**.53394**	**.52281**	**-.00146**	**5.2838**	**.53545**	**.53956**	**.54129**	**.54509**	**2.6745**
Stddev	.00375	.00212	.0063	.00036	.00127	.00070	.00252	.0026	.00012	.00121	.00056	.00188	.0041
%RSD	.69772	.38893	.59237	.06727	.23801	.13442	173.08	.04882	.02158	.22466	.10418	.34425	.15277
#1	.53505	.54587	1.0660	.53068	.53484	.52331	-.00324	5.2820	.53536	.53870	.54169	.54376	2.6774
#2	.54036	.54288	1.0750	.53017	.53305	.52232	.00033	5.2856	.53553	.54042	.54089	.54641	2.6716
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**52.923**	**1.0693**	**21.224**	**.53895**	**.54096**	**5.3690**	**.53914**	**1.0493**	**1.0867**	**.00219**	**1.0534**	**1.0490**	**5.2880**
Stddev	.179	.0033	.146	.00313	.00057	.0064	.00130	.0046	.0032	.00399	.0046	.0066	.0299
%RSD	.33867	.30623	.68797	.58071	.10460	.11962	.24190	.43786	.29208	181.89	.43905	.62937	.56612
#1	53.050	1.0716	21.121	.53674	.54056	5.3735	.54006	1.0461	1.0890	-.00063	1.0501	1.0537	5.2668
#2	52.797	1.0670	21.327	.54116	.54136	5.3645	.53822	1.0526	1.0845	.00502	1.0567	1.0443	5.3091
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**11.316**	**1.0826**	**.52902**	**.00031**	**.53682**	**1.0934**	**.02173**	**.54218**	**.54240**	**.53306**
Stddev	.064	.0075	.00122	.00002	.00368	.0004	.03674	.00432	.00395	.00341
%RSD	.56612	.68973	.23097	5.4098	.68616	.03876	169.05	.79600	.72801	.63965
#1	11.271	1.0773	.52989	.00029	.53422	1.0931	.04771	.53913	.53961	.53547
#2	11.362	1.0878	.52816	.00032	.53942	1.0937	-.00425	.54524	.54520	.53065
Check ?	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value										
Range										

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**3141.7**	**48054.**	**5115.8**
Stddev	8.6	392.	10.2
%RSD	.27507	.81623	.19926
#1	3135.6	48331.	5123.0
#2	3147.8	47776.	5108.6

Sample Name: CCB Acquired: 5/1/2012 14:12:53 Type: QC
Method: 6500_025(v2) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00044**	**-.00038**	**-.00128**	**.00120**	**.00036**	**.00008**	**-.00181**	**.00068**	**.00020**	**-.00004**	**-.00011**	**-.00054**	**-.00076**
Stddev	.00023	.00030	.00171	.00058	.00041	.00008	.00007	.00129	.00010	.00009	.00005	.00038	.00111
%RSD	51.467	80.341	133.95	48.431	115.24	102.67	3.9142	188.55	48.164	231.52	43.534	71.188	146.78
#1	-.00028	-.00059	-.00248	.00161	.00007	.00014	-.00176	-.00023	.00027	-.00010	-.00014	-.00027	-.00155
#2	-.00061	-.00016	-.00007	.00079	.00065	.00002	-.00186	.00159	.00013	.00003	-.00007	-.00081	.00003
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit													
Low Limit													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00073**	**.00228**	**.00229**	**.00006**	**.00043**	**.03693**	**-.00040**	**-.00072**	**-.00080**	**-.00094**	**-.00157**	**.00187**	**-.01420**
Stddev	.00056	.00196	.00134	.00003	.00016	.01050	.00025	.00047	.00035	.00182	.00050	.00112	.00664
%RSD	77.073	86.108	58.373	51.088	38.386	28.440	63.214	64.840	44.444	192.96	32.207	59.882	46.749
#1	.00033	.00367	.00324	.00008	.00031	.04436	-.00057	-.00039	-.00055	-.00223	-.00192	.00108	-.00951
#2	.00113	.00089	.00135	.00004	.00054	.02951	-.00022	-.00105	-.00105	.00034	-.00121	.00266	-.01890
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit													
Low Limit													

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.03040**	**.00049**	**-.00001**	**-.00011**	**.00030**	**.00203**	**.01513**	**-.00055**	**.00175**	**-.00094**
Stddev	.01421	.00025	.00002	.00163	.00004	.00038	.02570	.00005	.00002	.00226
%RSD	46.749	51.131	137.96	1419.8	14.560	18.897	169.86	8.6432	1.3487	241.06
#1	-.02035	.00031	.00000	-.00127	.00027	.00230	.03330	-.00052	.00174	-.00254
#2	-.04045	.00066	-.00002	.00104	.00033	.00176	-.00304	-.00058	.00177	.00066
Check ?	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**3184.4**	**48880.**	**5033.3**
Stddev	1.8	274.	36.1
%RSD	.05688	.56018	.71679
#1	3185.7	49073.	5058.8
#2	3183.1	48686.	5007.8

Sample Name: CCVL1390952 Acquired: 5/1/2012 14:15:18 Type: QC
Method: 6500_025(v2) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01103**	**.11255**	F **.01034**	**.10558**	**.01110**	**.00110**	**.12603**	**.21663**	**.00552**	**.01093**	**.01089**	**.01613**	**.10716**
Stddev	.00014	.00050	.00006	.00013	.00004	.00002	.00007	.00162	.00019	.00006	.00012	.00046	.00077
%RSD	1.2898	.44796	.62390	.11963	.32137	1.9946	.05579	.74781	3.4772	.56743	1.1440	2.8497	.71622
#1	.01113	.11220	.01038	.10549	.01107	.00111	.12598	.21778	.00566	.01098	.01081	.01646	.10662
#2	.01092	.11291	.01029	.10567	.01112	.00108	.12608	.21549	.00539	.01089	.01098	.01581	.10770
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value			.01500										
Range			-30.000%										

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**3.2852**	F **.01402**	**.22333**	**.01112**	**.02131**	**1.1290**	**.04403**	**3.0513**	**.01107**	**.00714**	F **.00572**	**.01756**	**.50906**
Stddev	.0647	.00105	.00116	.00003	.00018	.0141	.00005	.0161	.00015	.00226	.00132	.00318	.00145
%RSD	1.9686	7.4957	.52019	.29135	.84172	1.2498	.11638	.52895	1.3545	31.595	23.051	18.103	.28419
#1	3.2395	.01328	.22415	.01109	.02144	1.1190	.04407	3.0399	.01117	.00874	.00665	.01981	.50804
#2	3.3310	.01476	.22251	.01114	.02119	1.1390	.04400	3.0627	.01096	.00555	.00478	.01531	.51008
Check ?	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Fail	Chk Pass	Chk Pass
Value		.01000									.01000		
Range		30.000%									-30.000%		

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.0894**	**.11147**	**.01078**	**.01573**	**.01078**	**.01737**	F **.08475**	**.01011**	**.02443**	**.01535**
Stddev	.0031	.00141	.00013	.00030	.00019	.00047	.01331	.00023	.00054	.00029
%RSD	.28419	1.2614	1.2405	1.9064	1.7798	2.7230	15.704	2.3130	2.1935	1.8656
#1	1.0872	.11047	.01069	.01594	.01092	.01703	.07534	.01028	.02481	.01515
#2	1.0916	.11246	.01088	.01552	.01065	.01770	.09416	.00994	.02405	.01555
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
Value							.06000			
Range							30.000%			

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**3251.0**	**50199.**	**5127.7**
Stddev	6.5	36.	12.1
%RSD	.19851	.07232	.23597
#1	3255.5	50224.	5136.2
#2	3246.4	50173.	5119.1

Sample Name: 280-28124-g-1-a@5 Acquired: 5/1/2012 14:17:41 Type: Unk
Method: 6500_025(v2) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 117065 6010B Q4

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	k **-.00002**	**17.706**	k **.00298**	**.02764**	**.06657**	k **.00209**	k **-.00294**	**13.278**	k **.00008**	k **.08821**
Stddev	.00014	.103	.00158	.00082	.00005	.00005	.00104	.122	.00018	.00007
%RSD	790.17	.57912	52.897	2.9604	.07421	2.3802	35.380	.91649	234.61	.07578
#1	k .00008	17.779	k .00187	.02822	.06660	k .00206	k -.00368	13.364	k -.00005	k .08825
#2	k -.00012	17.634	k .00409	.02706	.06653	k .00213	k -.00221	13.192	k .00020	k .08816
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	271.441 {124}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.02258**	k **.00822**	k **41.483**	**3.6101**	**.00950**	k **12.489**	k **2.0370**	k **-.00014**	**113.94**	**.01420**
Stddev	.00002	.00004	.287	.0309	.00224	.003	.0051	.00021	.68	.00001
%RSD	.06917	.42787	.69068	.85725	23.558	.02281	.24939	155.68	.60092	.07043
#1	.02257	k .00820	k 41.685	3.6319	.01108	k 12.487	k 2.0334	k .00001	114.42	.01421
#2	.02259	k .00825	k 41.280	3.5882	.00792	k 12.491	k 2.0406	k -.00029	113.46	.01420
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.40493**	k **.01392**	k **28.159**	k **.00164**	kF **-.01149**	**12.168**	**26.039**	k **-.00007**	**.10586**	k **.03774**
Stddev	.00038	.00056	.006	.00172	.00068	.138	.295	.00079	.00046	.00139
%RSD	.09428	4.0417	.02062	104.79	5.9298	1.1329	1.1329	1126.5	.43250	3.6740
#1	.40520	k .01352	k 28.155	k .00042	k -.01197	12.265	26.247	k .00049	.10618	k .03676
#2	.40466	k .01432	k 28.164	k .00285	k -.01101	12.070	25.830	k -.00063	.10553	k .03872
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					50.000					
Low Limit					-.01000					

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	k **.14556**	k **.00559**	k **-.01795**	k **.03483**	k **.08032**	k **.00368**
Stddev	.00106	.00247	.00306	.00039	.00098	.00122
%RSD	.72687	44.105	17.066	1.1208	1.2151	33.253
#1	k .14481	k .00385	k -.02012	k .03455	k .07963	k .00282
#2	k .14630	k .00734	k -.01579	k .03510	k .08101	k .00455
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**3263.8**	**49379.**	**5281.7**
Stddev	1.4	231.	42.8
%RSD	.04282	.46727	.80952
#1	3262.8	49542.	5251.5
#2	3264.8	49216.	5312.0

Sample Name: 280-28124-g-2-a@5 Acquired: 5/1/2012 14:20:00 Type: Unk
Method: 6500_025(v2) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 117065 6010B Q4

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00021**	**101.05**	**.06837**	**.03109**	**.31027**	**.00799**	**.00522**	**20.905**	**-.00081**	**.35541**
Stddev	.00020	.22	.00066	.00051	.00101	.00000	.00063	.025	.00001	.00082
%RSD	96.605	.21691	.96450	1.6373	.32419	.00675	12.001	.12127	1.0793	.23111
#1	-.00007	100.89	.06884	.03145	.30956	.00799	.00478	20.887	-.00080	.35599
#2	-.00036	101.20	.06790	.03073	.31098	.00799	.00567	20.923	-.00082	.35483
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	271.441 {124}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.13171**	**.04629**	**284.78**	**5.6330**	**.04722**	**15.578**	**3.9634**	**.00369**	**108.23**	**.04637**
Stddev	.00051	.00037	.73	.0476	.00429	.087	.0006	.00005	.29	.00062
%RSD	.39086	.80415	.25802	.84562	9.0789	.55574	.01614	1.3593	.26884	1.3397
#1	.13208	.04603	284.26	5.5993	.04419	15.516	3.9630	.00366	108.03	.04681
#2	.13135	.04656	285.30	5.6667	.05026	15.639	3.9639	.00373	108.44	.04593
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **6.3446**	**.07221**	**42.105**	**-.00011**	**.02013**	**20.081**	**42.974**	**.00317**	**.14779**	**.01245**
Stddev	.0256	.00052	.100	.00232	.00037	.130	.278	.00050	.00010	.00022
%RSD	.40381	.71869	.23708	2129.6	1.8186	.64645	.64645	15.923	.06750	1.7555
#1	6.3628	.07184	42.176	.00153	.01987	20.173	43.170	.00353	.14786	.01230
#2	6.3265	.07257	42.035	-.00175	.02039	19.989	42.778	.00281	.14772	.01261
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	2.0000									
Low Limit	-1.0000									

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.38149**	**.00165**	W **-.09888**	**.24999**	**.25220**	**.01426**
Stddev	.00094	.00300	.00666	.00138	.00199	.00000
%RSD	.24546	182.55	6.7351	.55059	.79046	.01994
#1	.38083	-.00048	-.10358	.24901	.25080	.01426
#2	.38216	.00377	-.09417	.25096	.25361	.01426
Check ?	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass
High Limit			45.000			
Low Limit			-.05000			

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**3368.1**	**50282.**	**5526.2**
Stddev	.7	85.	16.2
%RSD	.02212	.16946	.29398
#1	3367.5	50343.	5537.7
#2	3368.6	50222.	5514.7

Sample Name: 280-28124-g-3-a@5 Acquired: 5/1/2012 14:22:22 Type: Unk
Method: 6500_025(v2) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 117065 6010B Q4

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00012**	**5.4203**	**.00264**	**.02322**	**.03796**	**.00061**	**.00084**	**18.908**	**.00045**	**.10608**
Stddev	.00010	.0201	.00295	.00008	.00059	.00011	.00373	.144	.00019	.00007
%RSD	83.170	.37118	111.62	.33213	1.5649	18.414	444.67	.76029	41.061	.06855
#1	.00005	5.4345	.00056	.02317	.03838	.00069	.00348	19.010	.00059	.10614
#2	.00019	5.4061	.00473	.02328	.03754	.00053	-.00180	18.807	.00032	.10603
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00961**	**.00457**	**15.481**	**2.7512**	**.00768**	**17.474**	**2.0944**	**-.00026**	**124.90**	**.00930**
Stddev	.00007	.00039	.160	.0155	.00160	.043	.0001	.00016	1.12	.00056
%RSD	.69422	8.4557	1.0314	.56321	20.842	.24782	.00343	63.230	.89896	5.9794
#1	.00966	.00485	15.594	2.7621	.00881	17.444	2.0944	-.00037	125.70	.00891
#2	.00956	.00430	15.368	2.7402	.00655	17.505	2.0945	-.00014	124.11	.00970
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.15448**	**.01950**	**31.371**	**-.00210**	**.00128**	**7.9199**	**16.949**	**-.00010**	**.15102**	**.00074**
Stddev	.00077	.00029	.007	.00314	.00106	.0837	.179	.00127	.00146	.00104
%RSD	.49888	1.4625	.02128	149.78	83.230	1.0571	1.0571	1219.8	.96384	140.32
#1	.15503	.01929	31.376	.00012	.00203	7.9791	17.075	.00079	.15205	.00148
#2	.15394	.01970	31.366	-.00432	.00053	7.8607	16.822	-.00100	.14999	.00001
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.07261**	**.00158**	**-.00795**	**.01408**	**.09093**	**.00065**
Stddev	.00024	.00120	.00465	.00032	.00046	.00079
%RSD	.33025	76.001	58.541	2.2701	.50705	122.28
#1	.07278	.00243	-.01124	.01431	.09126	.00009
#2	.07244	.00073	-.00466	.01386	.09060	.00120
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**3200.9**	**48465.**	**5172.1**
Stddev	11.7	123.	44.3
%RSD	.36470	.25351	.85701
#1	3209.2	48552.	5140.7
#2	3192.7	48378.	5203.4

Sample Name: 280-28124-g-4-a@5 Acquired: 5/1/2012 14:24:41 Type: Unk
Method: 6500_025(v2) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 117065 6010B Q4

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00040**	**84.583**	**.03665**	**.02993**	**.37055**	**.00737**	**.00401**	**24.410**	**-.00036**	**.20662**
Stddev	.00011	.115	.00236	.00029	.00003	.00008	.00614	.043	.00003	.00023
%RSD	27.870	.13609	6.4298	.96411	.00687	1.0432	153.15	.17775	8.3007	.10997
#1	-.00032	84.664	.03498	.02973	.37053	.00743	.00835	24.441	-.00038	.20678
#2	-.00048	84.502	.03832	.03013	.37057	.00732	-.00033	24.380	-.00034	.20646
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	271.441 {124}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.11520**	**.06692**	**198.17**	**4.8383**	**.04174**	**22.343**	**2.7316**	**.00209**	**159.36**	**.03716**
Stddev	.00022	.00036	.05	.0432	.00022	.061	.0084	.00020	.18	.00007
%RSD	.19374	.53935	.02412	.89316	.51888	.27121	.30713	9.5512	.11437	.17929
#1	.11505	.06667	198.21	4.8688	.04159	22.300	2.7256	.00195	159.49	.03712
#2	.11536	.06718	198.14	4.8077	.04190	22.385	2.7375	.00223	159.23	.03721
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **2.1846**	**.15823**	**58.582**	**-.00183**	**.01048**	**13.348**	**28.564**	**.00362**	**.16922**	**.01064**
Stddev	.0002	.00110	.185	.00224	.00163	.138	.295	.00127	.00021	.00108
%RSD	.00989	.69769	.31586	122.01	15.566	1.0323	1.0323	34.989	.12337	10.104
#1	2.1844	.15745	58.451	-.00025	.00932	13.445	28.773	.00273	.16937	.01140
#2	2.1847	.15901	58.713	-.00341	.01163	13.250	28.356	.00452	.16907	.00988
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	2.0000									
Low Limit	-1.0000									

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.26639**	**-.00006**	**-.04630**	**.17550**	**.39153**	**.01461**
Stddev	.00013	.00024	.03287	.00086	.00069	.00110
%RSD	.04898	399.78	70.992	.48828	.17709	7.5281
#1	.26630	.00011	-.06954	.17490	.39104	.01383
#2	.26648	-.00023	-.02306	.17611	.39202	.01539
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**3298.2**	**49528.**	**5448.7**
Stddev	1.6	266.	11.1
%RSD	.04706	.53738	.20378
#1	3297.1	49716.	5440.9
#2	3299.3	49340.	5456.6

Sample Name: 280-28124-g-4-aSD@25 Acquired: 5/1/2012 14:26:57 Type: Unk
Method: 6500_025(v2) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 117065 6010B Q4

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	k **-.00009**	**17.804**	k **.00698**	**.00635**	**.07790**	k **.00158**	k **.00144**	**5.1519**	k **.00013**	k **.04476**
Stddev	.00008	.313	.01036	.00010	.00067	.00002	.00096	.0709	.00011	.00034
%RSD	89.451	1.7563	148.51	1.6295	.85365	1.5040	66.230	1.3765	88.953	.76365
#1	-.00015	17.583	.01430	.00643	.07743	.00160	.00077	5.1018	.00021	.04451
#2	k -.00003	18.026	k -.00035	.00628	.07837	k .00156	k .00212	5.2021	k .00005	k .04500
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	271.441 {124}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.02449**	k **.01388**	k **41.554**	**1.0359**	**.01120**	k **4.8572**	k **.57843**	k **.00027**	**33.640**	**.00802**
Stddev	.00010	.00011	.664	.0302	.00109	.0149	.00195	.00025	.661	.00021
%RSD	.39116	.79396	1.5986	2.9111	9.6889	.30745	.33716	92.485	1.9655	2.6544
#1	.02442	.01380	41.084	1.0146	.01197	4.8467	.57705	.00045	33.173	.00817
#2	.02456	k .01396	k 42.023	1.0572	.01043	k 4.8678	k .57981	k .00009	34.108	.00787
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.45174**	k **.03697**	k **12.217**	k **-.00220**	k **-.00486**	**2.7993**	**5.9905**	k **.00157**	**.03538**	k **.02190**
Stddev	.00383	.00043	.032	.00134	.01398	.0651	.1392	.00207	.00073	.02325
%RSD	.84771	1.1597	.26178	61.093	287.69	2.3244	2.3244	132.07	2.0530	106.14
#1	.45445	.03727	12.194	-.00125	.00502	2.7533	5.8921	.00303	.03487	.00546
#2	.44903	k .03666	k 12.239	k -.00315	k -.01474	2.8453	6.0890	k .00010	.03590	k .03834
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	k **.05555**	k **.00113**	k **-.00140**	k **.03576**	k **.08629**	k **.00225**
Stddev	.00093	.00066	.00728	.00080	.00075	.00058
%RSD	1.6746	58.109	519.83	2.2382	.86839	25.699
#1	.05489	.00067	-.00655	.03633	.08576	.00265
#2	k .05621	k .00160	k .00375	k .03520	k .08682	k .00184
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**3244.8**	**48989.**	**5169.7**
Stddev	6.9	276.	40.9
%RSD	.21399	.56352	.79149
#1	3249.7	49184.	5198.6
#2	3239.9	48793.	5140.7

Sample Name: 280-28124-g-4-b ms@5 Acquired: 5/1/2012 14:29:17 Type: Unk
Method: 6500_025(v2) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 117065 6010B Q4

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01015**	**100.64**	**.22845**	**.19226**	**.75671**	**.01674**	F **.40608**	**33.024**	**.01928**	**.29688**
Stddev	.00032	.60	.00596	.00203	.00485	.00021	.00299	.321	.00000	.00005
%RSD	3.1146	.59302	2.6088	1.0537	.64084	1.2703	.73532	.97227	.00374	.01597
#1	.00992	101.07	.23266	.19370	.76014	.01689	.40819	33.251	.01928	.29685
#2	.01037	100.22	.22423	.19083	.75328	.01659	.40397	32.797	.01928	.29692
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit							.10000			
Low Limit							-.10000			

Elem	Cr2055	Cu3247	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	271.441 {124}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.16187**	**.11880**	**193.98**	**14.709**	**.25206**	**31.702**	**2.7618**	**.17528**	**163.38**	**.13664**
Stddev	.00013	.00281	1.44	.093	.00196	.398	.0364	.00083	1.18	.00053
%RSD	.07810	2.3641	.74480	.63502	.77796	1.2560	1.3171	.47113	.72263	.38767
#1	.16195	.11681	195.00	14.775	.25345	31.420	2.7361	.17586	164.21	.13701
#2	.16178	.12078	192.96	14.643	.25068	31.984	2.7875	.17469	162.54	.13626
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **4.0170**	**.25201**	**56.993**	**.01828**	**.38963**	**10.400**	**22.255**	**.35624**	**.36293**	**.21161**
Stddev	.0133	.00108	.145	.00278	.00336	.135	.289	.00346	.00261	.00634
%RSD	.33211	.43046	.25416	15.204	.86299	1.3007	1.3007	.97199	.72003	2.9949
#1	4.0264	.25278	57.095	.01631	.39201	10.495	22.460	.35868	.36478	.20713
#2	4.0076	.25124	56.890	.02024	.38725	10.304	22.050	.35379	.36108	.21609
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	2.0000									
Low Limit	-1.0000									

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.35008**	**.36329**	**.35041**	**.28178**	**.51370**	**.06957**
Stddev	.00321	.00061	.04024	.00317	.01200	.00097
%RSD	.91573	.16926	11.483	1.1246	2.3358	1.3987
#1	.34781	.36286	.32196	.27954	.50521	.06888
#2	.35234	.36373	.37887	.28402	.52218	.07026
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**3283.8**	**48828.**	**5440.5**
Stddev	5.3	387.	72.9
%RSD	.16064	.79259	1.3400
#1	3287.6	49101.	5388.9
#2	3280.1	48554.	5492.0

Sample Name: 280-28124-g-4-cmsd@5 Acquired: 5/1/2012 14:31:33 Type: Unk
Method: 6500_025(v2) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 117065 6010B Q4

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00995**	**108.79**	**.24186**	**.19735**	**.78357**	**.01740**	F **.42254**	**34.419**	**.01970**	**.30893**
Stddev	.00024	.89	.00325	.00018	.00682	.00011	.00135	.278	.00032	.00116
%RSD	2.3616	.81434	1.3455	.09250	.86981	.61248	.31899	.80731	1.5989	.37628
#1	.00979	108.16	.23956	.19722	.77875	.01732	.42159	34.223	.01992	.30811
#2	.01012	109.41	.24417	.19748	.78839	.01748	.42349	34.616	.01948	.30976
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit							.10000			
Low Limit							-.10000			

Elem	Cr2055	Cu3247	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	271.441 {124}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.17183**	**.12483**	**201.83**	**15.384**	**.26562**	**33.305**	**2.8825**	**.18799**	**170.04**	**.14387**
Stddev	.00082	.00058	1.52	.175	.00392	.098	.0071	.00013	1.32	.00087
%RSD	.47529	.46759	.75156	1.1398	1.4751	.29310	.24703	.07094	.77868	.60689
#1	.17126	.12441	200.76	15.260	.26285	33.236	2.8774	.18790	169.10	.14325
#2	.17241	.12524	202.91	15.508	.26839	33.374	2.8875	.18809	170.98	.14448
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **4.1780**	**.26369**	**59.309**	**.02356**	**.40351**	**8.4578**	**18.100**	**.36887**	**.37806**	**.22105**
Stddev	.0267	.00012	.160	.00142	.00285	.0459	.098	.00130	.00284	.00059
%RSD	.64002	.04661	.27027	6.0369	.70691	.54251	.54251	.35172	.75227	.26480
#1	4.1591	.26378	59.195	.02256	.40149	8.4253	18.030	.36979	.37605	.22064
#2	4.1969	.26361	59.422	.02457	.40552	8.4902	18.169	.36795	.38007	.22146
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	2.0000									
Low Limit	-1.0000									

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.38233**	**.37819**	**.36520**	**.29827**	**.54264**	**.07480**
Stddev	.00120	.00136	.02182	.00021	.00224	.00043
%RSD	.31394	.35857	5.9743	.06974	.41200	.58016
#1	.38148	.37915	.34977	.29812	.54106	.07449
#2	.38318	.37723	.38063	.29842	.54423	.07511
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**3262.1**	**48388.**	**5384.3**
Stddev	8.8	34.	20.0
%RSD	.26843	.06946	.37087
#1	3268.3	48364.	5370.2
#2	3255.9	48412.	5398.4

Sample Name: 280-28124-g-4-aPDS@5 Acquired: 5/1/2012 14:33:48 Type: Unk
Method: 6500_025(v2) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 117065 6010B Q4

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.04809**	**82.827**	**.22793**	**.12075**	**.45179**	**.05281**	**-.00140**	**42.199**	**.04711**	**.24359**
Stddev	.00037	.226	.00182	.00005	.00142	.00002	.00111	.163	.00022	.00051
%RSD	.77309	.27240	.79935	.04235	.31399	.03262	79.136	.38527	.47617	.21119
#1	.04835	82.987	.22922	.12079	.45279	.05280	-.00062	42.314	.04695	.24322
#2	.04783	82.668	.22664	.12071	.45078	.05282	-.00218	42.084	.04727	.24395
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	271.441 {124}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.15710**	**.11321**	**192.02**	**23.897**	**.13484**	**40.098**	**2.6859**	**.05009**	**172.92**	**.08149**
Stddev	.00044	.00127	.87	.052	.00181	.246	.0193	.00032	.88	.00014
%RSD	.27965	1.1256	.45320	.21777	1.3442	.61455	.71672	.63955	.50649	.17338
#1	.15741	.11411	192.64	23.933	.13612	40.273	2.6995	.05032	173.54	.08159
#2	.15679	.11231	191.41	23.860	.13356	39.924	2.6723	.04986	172.31	.08139
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **3.9395**	**.24160**	**56.853**	**.09333**	**.20233**	**18.019**	**38.560**	**.09676**	**.21160**	**.20468**
Stddev	.0156	.00160	.122	.00307	.00992	.142	.305	.00077	.00040	.00306
%RSD	.39641	.66422	.21482	3.2861	4.9028	.79007	.79007	.79343	.18852	1.4962
#1	3.9284	.24273	56.767	.09116	.19532	18.119	38.775	.09730	.21189	.20685
#2	3.9505	.24047	56.939	.09550	.20935	17.918	38.344	.09621	.21132	.20252
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	2.0000									
Low Limit	-1.0000									

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.30925**	**.17830**	**.45947**	**.21912**	**.57258**	**.06146**
Stddev	.00163	.00134	.01564	.00102	.00143	.00149
%RSD	.52693	.74934	3.4031	.46684	.25040	2.4249
#1	.31040	.17736	.47052	.21984	.57360	.06252
#2	.30810	.17925	.44841	.21840	.57157	.06041
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**3301.4**	**49137.**	**5419.7**
Stddev	1.1	304.	2.9
%RSD	.03196	.61769	.05291
#1	3300.7	48922.	5417.7
#2	3302.2	49351.	5421.7

Sample Name: CCVH-1390999 Acquired: 5/1/2012 14:36:02 Type: QC
Method: 6500_025(v2) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00068**	**51.962**	**.00017**	**.00209**	**.00107**	**-.00001**	**1.0425**	**.01961**	**.00005**	**.00048**	**.00032**	**-.00168**
Stddev	.00011	.289	.00727	.00133	.00009	.00004	.0022	.00245	.00004	.00012	.00020	.00039
%RSD	16.681	.55544	4207.9	63.633	8.8842	324.42	.20654	12.472	81.091	25.332	63.765	23.426
#1	-.00076	52.166	-.00497	.00115	.00114	.00002	1.0440	.02134	.00008	.00057	.00018	-.00196
#2	-.00060	51.758	.00532	.00303	.00100	-.00004	1.0410	.01788	.00002	.00039	.00046	-.00140
Check ?	None	Chk Pass	None	None	None	None	Chk Pass	None	None	None	None	None
Value												
Range												

Elem	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316	P_1782	Pb2203	S_1820	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**52.467**	**.04850**	**.00168**	**-.01809**	**.00408**	**.00089**	**257.14**	**.00174**	**.00333**	**.00007**	**5.1089**	**-.00137**
Stddev	.355	.05976	.00047	.00095	.00006	.00095	1.11	.00052	.00423	.00189	.0036	.00065
%RSD	.67640	123.22	27.786	5.2353	1.4748	107.67	.43344	29.758	126.74	2687.9	.07134	47.915
#1	52.718	.09075	.00135	-.01742	.00413	.00156	257.93	.00137	.00035	.00140	5.1063	-.00090
#2	52.216	.00624	.00201	-.01876	.00404	.00021	256.35	.00211	.00632	-.00126	5.1115	-.00183
Check ?	Chk Pass	None	None	None	None	None	Chk Pass	None	None	None	Chk Pass	None
Value												
Range												

Elem	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00932**	**.03475**	**.07436**	**.00172**	**.00043**	**5.1908**	**.00666**	**.00265**	W **10.648**	**-.00279**	**.00223**	**-.03242**
Stddev	.00297	.02602	.05567	.00044	.00008	.0222	.00034	.00148	.074	.00020	.00028	.00343
%RSD	31.889	74.869	74.869	25.829	17.775	.42714	5.0499	56.000	.69505	6.9912	12.603	10.573
#1	.01143	.01635	.03499	.00141	.00049	5.2064	.00690	.00370	10.701	-.00293	.00243	-.03484
#2	.00722	.05314	.11373	.00203	.00038	5.1751	.00642	.00160	10.596	-.00265	.00203	-.02999
Check ?	None	None	None	None	None	Chk Pass	None	None	Chk Warn	None	None	None
Value									10.000			
Range									5.0000%			

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**3110.9**	**46567.**	**4975.9**
Stddev	3.5	212.	22.7
%RSD	.11245	.45592	.45608
#1	3113.4	46416.	4959.9
#2	3108.5	46717.	4992.0

Sample Name: CCV-1390955 Acquired: 5/1/2012 14:38:23 Type: QC
Method: 6500_025(v2) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.52558**	**.53103**	**1.0491**	**.51520**	**.52430**	**.51209**	**-.00323**	**5.1845**	**.52400**	**.52843**	**.53010**	**.53424**	**2.6249**
Stddev	.00313	.00106	.0037	.00029	.00280	.00441	.00102	.0551	.00158	.00087	.00003	.00194	.0083
%RSD	.59555	.19994	.35566	.05566	.53408	.86108	31.540	1.0636	.30062	.16553	.00531	.36299	.31479
#1	.52337	.53028	1.0517	.51500	.52232	.50897	-.00394	5.1455	.52511	.52781	.53012	.53287	2.6190
#2	.52780	.53178	1.0464	.51541	.52628	.51520	-.00251	5.2235	.52288	.52904	.53008	.53561	2.6307
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**51.979**	**1.0488**	**20.970**	**.53167**	**.52911**	**5.2546**	**.52790**	**1.0147**	**1.0633**	**.00954**	**1.0291**	**1.0347**	**5.1801**
Stddev	.304	.0078	.103	.00139	.00042	.0367	.00046	.0010	.0041	.00783	.0042	.0018	.0716
%RSD	.58527	.74820	.49274	.26092	.08030	.69925	.08702	.09561	.38756	82.064	.40796	.17367	1.3826
#1	51.764	1.0433	20.896	.53069	.52881	5.2287	.52823	1.0141	1.0604	.01508	1.0320	1.0335	5.1295
#2	52.194	1.0543	21.043	.53265	.52941	5.2806	.52758	1.0154	1.0663	.00400	1.0261	1.0360	5.2308
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**11.085**	**1.0580**	**.52062**	**.00073**	**.52753**	**1.0713**	**.00392**	**.53375**	**.54115**	**.52533**
Stddev	.153	.0025	.00296	.00063	.00187	.0088	.01671	.00194	.00058	.00257
%RSD	1.3826	.23974	.56882	86.880	.35430	.82005	425.75	.36393	.10731	.48966
#1	10.977	1.0562	.51852	.00118	.52621	1.0775	-.00789	.53238	.54156	.52351
#2	11.194	1.0598	.52271	.00028	.52885	1.0651	.01574	.53513	.54074	.52715
Check ?	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value										
Range										

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**3144.6**	**47411.**	**5027.9**
Stddev	1.7	116.	11.2
%RSD	.05364	.24478	.22359
#1	3145.8	47329.	5019.9
#2	3143.4	47493.	5035.8

Sample Name: CCB Acquired: 5/1/2012 14:40:36 Type: QC
Method: 6500_025(v2) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00029**	**-.00017**	**-.00240**	**.00049**	**.00026**	**.00012**	**-.00250**	**.00130**	**.00017**	**-.00032**	**-.00009**	**-.00092**	**-.00033**
Stddev	.00028	.00005	.00346	.00063	.00009	.00005	.00113	.00139	.00010	.00007	.00003	.00016	.00001
%RSD	95.150	29.678	144.12	129.48	36.671	42.072	45.183	106.59	57.431	22.504	35.421	17.935	3.9184
#1	.00010	-.00021	-.00485	.00093	.00019	.00016	-.00330	.00032	.00010	-.00027	-.00007	-.00103	-.00034
#2	.00049	-.00014	.00005	.00004	.00033	.00009	-.00170	.00228	.00025	-.00037	-.00012	-.00080	-.00033
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit													
Low Limit													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.05899**	**.00207**	**.00111**	**.00005**	**.00061**	**.05175**	**-.00004**	**-.00071**	**-.00088**	**.00413**	**-.00177**	**.00329**	**-.01048**
Stddev	.00108	.00064	.00222	.00002	.00061	.02373	.00019	.00164	.00076	.00268	.00016	.00369	.00103
%RSD	1.8244	30.816	200.54	35.848	100.26	45.848	426.49	230.39	86.198	64.914	8.9046	111.85	9.8608
#1	.05823	.00252	-.00046	.00004	.00018	.06853	.00009	-.00187	-.00142	.00603	-.00166	.00069	-.01121
#2	.05975	.00162	.00267	.00007	.00104	.03497	-.00018	.00045	-.00035	.00224	-.00189	.00590	-.00975
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit													
Low Limit													

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.02243**	**.00140**	**.00003**	**-.00032**	**.00017**	**.00020**	**.01626**	**-.00035**	**.00161**	**.00134**
Stddev	.00221	.00044	.00007	.00028	.00004	.00027	.00764	.00007	.00076	.00274
%RSD	9.8608	31.281	235.90	85.884	24.548	133.53	47.016	20.221	46.825	203.54
#1	-.02399	.00109	.00007	-.00052	.00020	.00001	.01085	-.00030	.00108	-.00059
#2	-.02086	.00171	-.00002	-.00013	.00014	.00040	.02167	-.00040	.00215	.00328
Check ?	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**3186.1**	**48716.**	**4961.7**
Stddev	9.9	406.	22.5
%RSD	.31070	.83419	.45261
#1	3179.1	48428.	4945.8
#2	3193.1	49003.	4977.6

Sample Name: CCVL1390952 Acquired: 5/1/2012 14:43:01 Type: QC
Method: 6500_025(v2) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01109**	**.11089**	**.01507**	**.10282**	**.01061**	**.00116**	**.12063**	**.21557**	**.00538**	**.01089**	**.01068**	**.01567**	**.10941**
Stddev	.00058	.00035	.00210	.00005	.00026	.00013	.00112	.00185	.00002	.00008	.00031	.00005	.00039
%RSD	5.2577	.31520	13.962	.04438	2.4764	10.882	.92476	.85999	.42911	.73457	2.8836	.32308	.35274
#1	.01068	.11065	.01656	.10278	.01079	.00107	.11984	.21689	.00540	.01095	.01090	.01564	.10914
#2	.01151	.11114	.01359	.10285	.01042	.00125	.12142	.21426	.00537	.01084	.01047	.01571	.10969
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**3.2646**	**.01139**	**.22237**	**.01119**	**.02080**	**1.1424**	**.04395**	**3.0021**	**.01122**	**-.00004**	**.00948**	**.01425**	**.52880**
Stddev	.0334	.00088	.00103	.00003	.00028	.0031	.00014	.0009	.00054	.00397	.00085	.00349	.01863
%RSD	1.0226	7.6919	.46417	.29316	1.3393	.27312	.32974	.02876	4.7896	9929.4	9.0124	24.485	3.5235
#1	3.2882	.01200	.22164	.01116	.02100	1.1402	.04384	3.0027	.01160	-.00284	.00887	.01178	.51563
#2	3.2410	.01077	.22310	.01121	.02061	1.1446	.04405	3.0015	.01084	.00276	.01008	.01671	.54198
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.1316**	**.10843**	**.01067**	**.01634**	**.01063**	**.01872**	F **.09671**	**.01016**	**.02496**	**.01626**
Stddev	.0399	.00018	.00010	.00169	.00022	.00001	.01478	.00019	.00004	.00069
%RSD	3.5235	.16597	.92514	10.317	2.0559	.04419	15.283	1.8549	.14781	4.2571
#1	1.1034	.10830	.01074	.01753	.01047	.01873	.08625	.01029	.02493	.01675
#2	1.1598	.10856	.01060	.01514	.01078	.01871	.10716	.01003	.02499	.01577
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
Value							.06000			
Range							30.000%			

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**3262.2**	**50018.**	**5112.2**
Stddev	6.0	116.	39.2
%RSD	.18428	.23180	.76680
#1	3266.4	49936.	5084.5
#2	3257.9	50100.	5139.9

Sample Name: 280-28124-g-1-a Acquired: 5/1/2012 14:45:24 Type: Unk
Method: 6500_025(v2) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 117065 6010B Q4

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00071**	**80.732**	**.03291**	**.11624**	**.30238**	**.00951**	**-.00476**	**60.042**	**.00068**	**.38664**
Stddev	.00020	.540	.00213	.00103	.00225	.00002	.00143	.521	.00014	.00103
%RSD	28.432	.66907	6.4629	.88257	.74507	.19037	30.117	.86708	21.000	.26742
#1	-.00085	81.114	.03141	.11697	.30398	.00950	-.00578	60.410	.00058	.38738
#2	-.00056	80.350	.03442	.11552	.30079	.00953	-.00375	59.674	.00078	.38591
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	271.441 {124}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.10173**	**.03913**	**187.14**	**16.900**	**.04205**	**56.193**	**9.1032**	**.00131**	W **514.71**	**.06293**
Stddev	.00031	.00013	1.63	.122	.00155	.021	.0027	.00026	2.32	.00010
%RSD	.30270	.32585	.87145	.72168	3.6784	.03663	.02955	20.133	.45025	.15970
#1	.10195	.03922	188.29	16.986	.04095	56.178	9.1013	.00112	516.35	.06300
#2	.10151	.03904	185.98	16.814	.04314	56.207	9.1051	.00150	513.07	.06286
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass
High Limit									500.00	
Low Limit									11.000	

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.8389**	**.06276**	**128.05**	**.00054**	**.01065**	W **56.417**	**120.73**	**.00461**	**.48025**	**.01364**
Stddev	.0032	.00055	.48	.00019	.00730	.757	1.62	.00080	.00269	.00093
%RSD	.17135	.88276	.37581	34.991	68.574	1.3412	1.3412	17.437	.55976	6.8350
#1	1.8411	.06237	128.39	.00040	.00548	56.952	121.88	.00405	.48215	.01430
#2	1.8367	.06315	127.71	.00067	.01581	55.882	119.59	.00518	.47835	.01299
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						50.000				
Low Limit						-.10000				

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.67292**	**-.00057**	F **-.16089**	**.17286**	**.34400**	**.02287**
Stddev	.00157	.00031	.01056	.00044	.00024	.00170
%RSD	.23313	53.438	6.5662	.25359	.06863	7.4411
#1	.67403	-.00079	-.16836	.17255	.34383	.02167
#2	.67181	-.00036	-.15342	.17317	.34417	.02408
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit			50.000			
Low Limit			-.10000			

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**3446.8**	**50963.**	**5880.5**
Stddev	12.6	37.	76.6
%RSD	.36586	.07165	1.3023
#1	3437.9	50937.	5826.4
#2	3455.8	50989.	5934.7

Sample Name: 280-28124-g-2-a Acquired: 5/1/2012 14:47:53 Type: Unk
Method: 6500_025(v2) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 117065 6010B Q4

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00104**	**380.63**	**.26875**	**.10300**	**1.1627**	**.02952**	**.01138**	**76.484**	**-.00384**	W **1.2616**
Stddev	.00034	.16	.00242	.00071	.0018	.00025	.00283	.037	.00007	.0006
%RSD	32.224	.04296	.89898	.69003	.15367	.85959	24.842	.04879	1.9490	.04588
#1	-.00128	380.52	.27046	.10249	1.1615	.02970	.01338	76.511	-.00389	1.2620
#2	-.00080	380.75	.26704	.10350	1.1640	.02934	.00938	76.458	-.00379	1.2612
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn
High Limit										1.0000
Low Limit										-.01000

Elem	Cr2055	Cu3247	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	271.441 {124}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.48444**	**.17716**	W **1031.0**	**21.741**	**.17353**	**56.077**	W **13.943**	**.01525**	**403.55**	**.16413**
Stddev	.00009	.00037	.2	.059	.00079	.033	.063	.00054	.81	.00065
%RSD	.01822	.20644	.01930	.27143	.45720	.05821	.45131	3.5635	.20123	.39316
#1	.48438	.17742	1030.9	21.700	.17409	56.101	13.898	.01563	402.98	.16368
#2	.48450	.17690	1031.1	21.783	.17297	56.054	13.987	.01486	404.13	.16459
Check ?	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass
High Limit			500.00				10.000			
Low Limit			40.000				-.01000			

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **23.109**	**.25780**	**155.44**	**.00463**	**.05183**	W **76.950**	**164.67**	**.01231**	**.55480**	**.04176**
Stddev	.048	.00063	.05	.00199	.00600	.677	1.45	.00224	.00001	.00258
%RSD	.20597	.24624	.03260	42.958	11.572	.87962	.87962	18.173	.00106	6.1855
#1	23.075	.25736	155.41	.00603	.04759	77.428	165.70	.01389	.55479	.04359
#2	23.143	.25825	155.48	.00322	.05607	76.471	163.65	.01073	.55480	.03994
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	2.0000					50.000				
Low Limit	-1.0000					-.10000				

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.4282**	**-.00086**	F **-.27936**	**.93833**	**.90435**	**.05340**
Stddev	.0007	.00236	.04090	.00071	.00218	.00130
%RSD	.04610	273.71	14.641	.07525	.24058	2.4340
#1	1.4286	-.00253	-.30828	.93783	.90588	.05432
#2	1.4277	.00081	-.25044	.93883	.90281	.05248
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit			50.000			
Low Limit			-.10000			

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**4062.6**	**60182.**	**7240.9**
Stddev	14.8	106.	10.5
%RSD	.36401	.17645	.14437
#1	4052.1	60107.	7233.5
#2	4073.1	60257.	7248.3

Sample Name: 280-28124-g-3-a Acquired: 5/1/2012 14:50:24 Type: Unk
Method: 6500_025(v2) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 117065 6010B Q4

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00013**	**25.267**	**.00779**	**.10374**	**.17644**	**.00233**	**-.00601**	**86.837**	**.00099**	**.48134**
Stddev	.00032	.056	.00042	.00021	.00090	.00006	.00494	.378	.00006	.00355
%RSD	244.13	.22261	5.3717	.19980	.51192	2.6382	82.190	.43559	6.0580	.73659
#1	-.00010	25.227	.00809	.10389	.17580	.00238	-.00252	86.569	.00104	.47883
#2	.00036	25.307	.00749	.10359	.17708	.00229	-.00950	87.104	.00095	.48385
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	271.441 {124}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.04378**	**.02010**	**72.501**	**12.786**	**.02017**	**80.155**	**9.4284**	**.00094**	W **574.26**	**.04286**
Stddev	.00024	.00012	.528	.079	.00099	.125	.0299	.00026	2.01	.00038
%RSD	.55813	.59549	.72759	.61929	4.9149	.15640	.31746	27.343	.34972	.88663
#1	.04395	.02019	72.128	12.730	.01947	80.244	9.4496	.00076	572.84	.04259
#2	.04361	.02002	72.874	12.842	.02087	80.067	9.4072	.00112	575.68	.04313
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass
High Limit									500.00	
Low Limit									11.000	

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.72705**	**.08427**	**148.59**	**.00033**	**.00740**	**36.894**	**78.952**	**.00163**	**.69710**	**.00507**
Stddev	.00884	.00199	1.10	.00008	.00485	.358	.765	.00056	.00296	.00035
%RSD	1.2164	2.3616	.74083	24.331	65.472	.96910	.96910	34.543	.42513	6.8065
#1	.72080	.08286	147.81	.00028	.00397	36.641	78.411	.00203	.69501	.00531
#2	.73331	.08567	149.36	.00039	.01083	37.146	79.493	.00123	.69920	.00482
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.33903**	**.00105**	W **-.09822**	**.06522**	**.40008**	**.01017**
Stddev	.00085	.00163	.01894	.00035	.00055	.00074
%RSD	.24930	154.86	19.287	.52949	.13768	7.2351
#1	.33963	.00220	-.11161	.06547	.39969	.00965
#2	.33843	-.00010	-.08482	.06498	.40047	.01069
Check ?	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass
High Limit			45.000			
Low Limit			-.05000			

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**3168.9**	**47758.**	**5472.2**
Stddev	15.1	13.	19.1
%RSD	.47610	.02746	.34950
#1	3179.5	47767.	5485.7
#2	3158.2	47748.	5458.7

Sample Name: 280-28124-g-4-a Acquired: 5/1/2012 14:52:53 Type: Unk
Method: 6500_025(v2) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 117065 6010B Q4

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00126**	**326.95**	**.14851**	**.10244**	**1.4161**	**.02737**	**.01146**	**91.416**	**-.00147**	**.75187**
Stddev	.00066	1.04	.00899	.00084	.0022	.00003	.00114	.316	.00023	.00009
%RSD	52.189	.31729	6.0529	.82173	.15639	.10977	9.9292	.34613	15.511	.01157
#1	-.00173	326.22	.14215	.10184	1.4145	.02739	.01066	91.192	-.00131	.75181
#2	-.00080	327.69	.15486	.10303	1.4176	.02735	.01227	91.639	-.00163	.75194
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	271.441 {124}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.43327**	**.25973**	W **734.28**	**19.157**	**.15501**	**83.237**	W **10.030**	**.00922**	W **606.52**	**.13719**
Stddev	.00121	.00026	1.65	.011	.00145	.101	.031	.00045	.49	.00051
%RSD	.28003	.10094	.22476	.05562	.93370	.12192	.31185	4.8385	.08135	.37351
#1	.43413	.25991	733.11	19.149	.15399	83.308	10.052	.00890	606.18	.13756
#2	.43242	.25954	735.45	19.164	.15604	83.165	10.008	.00953	606.87	.13683
Check ?	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Warn	Chk Pass
High Limit			500.00				10.000		500.00	
Low Limit			40.000				-.01000		11.000	

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **8.2708**	**.56640**	F **221.08**	**-.00060**	**.04246**	**41.283**	**88.346**	**.01296**	**.64548**	**.04601**
Stddev	.0014	.00211	.17	.00032	.00712	.119	.255	.00082	.00111	.00113
%RSD	.01708	.37308	.07557	53.373	16.758	.28883	.28883	6.3398	.17139	2.4649
#1	8.2718	.56491	220.97	-.00038	.04749	41.199	88.165	.01355	.64470	.04681
#2	8.2698	.56789	221.20	-.00083	.03743	41.367	88.526	.01238	.64627	.04520
Check ?	Chk Warn	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	2.0000		200.00							
Low Limit	-1.0000		-.20000							

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.0265**	**-.00401**	F **-.20206**	**.67696**	**1.4659**	**.05944**
Stddev	.0041	.00421	.00303	.00182	.0026	.00168
%RSD	.40085	104.92	1.5014	.26923	.17865	2.8208
#1	1.0294	-.00104	-.19991	.67825	1.4640	.06063
#2	1.0235	-.00699	-.20420	.67567	1.4677	.05825
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit			50.000			
Low Limit			-.10000			

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**3775.6**	**55756.**	**6639.6**
Stddev	11.5	124.	5.6
%RSD	.30373	.22282	.08434
#1	3767.5	55844.	6643.6
#2	3783.7	55668.	6635.7

Sample Name: 280-28124-g-4-aSD@5 Acquired: 5/1/2012 14:55:24 Type: Unk
Method: 6500_025(v2) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 117065 6010B Q4

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00018**	**84.356**	**.03701**	**.02958**	**.36817**	**.00724**	**.00481**	**24.272**	**-.00017**	**.20695**
Stddev	.00046	.113	.00498	.00073	.00113	.00017	.00580	.019	.00012	.00095
%RSD	258.16	.13444	13.445	2.4686	.30566	2.3155	120.54	.07997	69.631	.45735
#1	-.00050	84.276	.03350	.03010	.36737	.00712	.00891	24.258	-.00025	.20628
#2	.00015	84.436	.04053	.02906	.36896	.00736	.00071	24.286	-.00008	.20762
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	271.441 {124}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.11499**	**.06648**	**197.39**	**4.8933**	**.03931**	**22.363**	**2.7341**	**.00197**	**157.96**	**.03753**
Stddev	.00065	.00034	.25	.0263	.00037	.072	.0101	.00059	.98	.00013
%RSD	.56194	.51792	.12776	.53814	.93622	.31988	.36861	30.102	.62004	.33883
#1	.11453	.06673	197.21	4.9119	.03957	22.414	2.7412	.00239	157.27	.03762
#2	.11544	.06624	197.57	4.8746	.03905	22.313	2.7270	.00155	158.66	.03744
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **2.1710**	**.15728**	**58.395**	**-.00009**	**.01639**	**13.596**	**29.095**	**.00315**	**.16771**	**.01290**
Stddev	.0019	.00142	.064	.00020	.00114	.051	.109	.00049	.00027	.00288
%RSD	.08780	.90496	.10935	220.71	6.9637	.37522	.37522	15.435	.16106	22.331
#1	2.1696	.15627	58.350	.00005	.01720	13.560	29.018	.00281	.16752	.01494
#2	2.1723	.15829	58.440	-.00023	.01559	13.632	29.172	.00350	.16790	.01087
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	2.0000									
Low Limit	-1.0000									

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.27034**	**.00139**	W **-.07200**	**.17703**	**.40204**	**.01389**
Stddev	.00126	.00212	.02395	.00022	.00054	.00177
%RSD	.46423	152.68	33.271	.12510	.13498	12.765
#1	.27123	-.00011	-.08893	.17719	.40243	.01264
#2	.26946	.00288	-.05506	.17688	.40166	.01515
Check ?	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass
High Limit			45.000			
Low Limit			-.05000			

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**3317.7**	**49466.**	**5414.0**
Stddev	1.2	82.	8.9
%RSD	.03680	.16609	.16455
#1	3316.9	49408.	5420.3
#2	3318.6	49524.	5407.7

Sample Name: 280-28124-g-4-b ms Acquired: 5/1/2012 14:57:40 Type: Unk
Method: 6500_025(v2) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 117065 6010B Q4

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.04152**	**424.63**	**.94040**	**.70080**	**3.0501**	**.06656**	F **1.5835**	**130.15**	**.07696**	W **1.1105**
Stddev	.00014	2.00	.00483	.00033	.0158	.00066	.0089	.82	.00041	.0010
%RSD	.34517	.47119	.51386	.04677	.51639	.98753	.56098	.62663	.52831	.09012
#1	.04141	426.04	.94382	.70103	3.0613	.06703	1.5897	130.73	.07724	1.1112
#2	.04162	423.22	.93699	.70057	3.0390	.06610	1.5772	129.58	.07667	1.1098
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Warn
High Limit							.10000			1.0000
Low Limit							-.10000			-.01000

Elem	Cr2055	Cu3247	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	271.441 {124}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.63927**	**.48666**	W **751.15**	**60.904**	**1.0498**	**123.99**	W **10.427**	**.69959**	W **660.25**	**.51634**
Stddev	.00093	.00383	3.31	.148	.0069	.18	.030	.00088	3.88	.00023
%RSD	.14522	.78797	.44117	.24266	.66007	.14858	.28621	.12644	.58700	.04531
#1	.63993	.48395	753.49	61.008	1.0547	123.86	10.406	.70022	662.99	.51650
#2	.63862	.48937	748.81	60.799	1.0449	124.12	10.448	.69897	657.51	.51617
Check ?	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Warn	Chk Pass
High Limit			500.00				10.000		500.00	
Low Limit			40.000				-.01000		11.000	

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **15.648**	**.92255**	F **224.38**	**.09654**	**1.5422**	**33.559**	**71.816**	**1.3049**	**1.4760**	**.83947**
Stddev	.017	.00053	.27	.00221	.0015	.374	.801	.0022	.0073	.00523
%RSD	.10739	.05746	.11937	2.2896	.09704	1.1152	1.1152	.16628	.49718	.62320
#1	15.660	.92293	224.57	.09498	1.5411	33.824	72.382	1.3033	1.4812	.83577
#2	15.636	.92218	224.19	.09811	1.5432	33.294	71.250	1.3064	1.4708	.84317
Check ?	Chk Warn	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	2.0000		200.00							
Low Limit	-1.0000		-.20000							

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.4556**	**1.2544**	**1.4421**	**1.1380**	**1.9568**	**.30732**
Stddev	.0037	.0019	.0226	.0020	.0027	.00127
%RSD	.25452	.14912	1.5645	.17198	.13805	.41289
#1	1.4529	1.2531	1.4580	1.1366	1.9549	.30822
#2	1.4582	1.2558	1.4261	1.1394	1.9587	.30643
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**3770.5**	**55307.**	**6707.7**
Stddev	5.2	86.	58.3
%RSD	.13745	.15583	.86933
#1	3766.9	55246.	6748.9
#2	3774.2	55368.	6666.4

Sample Name: 280-28124-g-4-c msd Acquired: 5/1/2012 15:00:05 Type: Unk
Method: 6500_025(v2) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 117065 6010B Q4

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.04212**	**406.68**	**.93838**	**.71527**	**3.0396**	**.06605**	F **1.6026**	**129.40**	**.07790**	W **1.1216**
Stddev	.00020	2.95	.00331	.00278	.0166	.00014	.0107	.69	.00028	.0038
%RSD	.47611	.72590	.35307	.38873	.54547	.20481	.66613	.53153	.35927	.34048
#1	.04227	404.59	.93604	.71724	3.0278	.06596	1.6101	128.91	.07810	1.1243
#2	.04198	408.77	.94072	.71331	3.0513	.06615	1.5950	129.89	.07770	1.1189
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Warn
High Limit							.10000			1.0000
Low Limit							-.10000			-.01000

Elem	Cr2055	Cu3247	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	271.441 {124}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.63292**	**.48338**	W **744.52**	**59.818**	**1.0230**	**123.29**	W **10.463**	**.68972**	W **653.66**	**.51667**
Stddev	.00251	.00118	4.36	.340	.0028	.84	.059	.00269	4.22	.00155
%RSD	.39720	.24354	.58574	.56775	.27777	.67988	.56112	.38975	.64601	.30080
#1	.63469	.48421	741.44	59.578	1.0210	123.88	10.505	.69162	650.68	.51777
#2	.63114	.48254	747.61	60.058	1.0250	122.69	10.422	.68782	656.65	.51557
Check ?	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Warn	Chk Pass
High Limit			500.00				10.000		500.00	
Low Limit			40.000				-.01000		11.000	

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **15.837**	**.93206**	F **225.93**	**.08069**	**1.5362**	**42.297**	**90.515**	**1.3322**	**1.4604**	**.84645**
Stddev	.078	.00175	.89	.00066	.0091	.117	.250	.0025	.0083	.01078
%RSD	.49072	.18780	.39231	.81824	.58904	.27594	.27594	.18600	.56934	1.2737
#1	15.892	.93329	226.56	.08116	1.5298	42.214	90.339	1.3339	1.4545	.85407
#2	15.782	.93082	225.30	.08023	1.5426	42.379	90.692	1.3304	1.4663	.83883
Check ?	Chk Warn	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	2.0000		200.00							
Low Limit	-1.0000		-.20000							

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.3906**	**1.2686**	**1.4149**	**1.1244**	**1.9415**	**.28056**
Stddev	.0083	.0075	.0145	.0073	.0147	.00122
%RSD	.59427	.59342	1.0233	.65117	.75560	.43657
#1	1.3964	1.2739	1.4251	1.1296	1.9519	.27969
#2	1.3847	1.2633	1.4047	1.1192	1.9311	.28142
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**3758.9**	**55797.**	**6808.2**
Stddev	7.1	218.	91.2
%RSD	.18987	.39000	1.3401
#1	3753.8	55643.	6872.7
#2	3763.9	55951.	6743.7

Sample Name: 280-28124-g-4-aPDS Acquired: 5/1/2012 15:02:30 Type: Unk
Method: 6500_025(v2) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 117065 6010B Q4

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.04148**	**329.23**	**.31383**	**.17676**	**1.5122**	**.06529**	**.00856**	**107.38**	**.03822**	**.79664**
Stddev	.00018	3.65	.00588	.00000	.0172	.00053	.00133	1.20	.00003	.00142
%RSD	.42870	1.1071	1.8730	.00235	1.1364	.81722	15.544	1.1192	.07727	.17871
#1	.04161	326.66	.30967	.17676	1.5001	.06492	.00762	106.53	.03820	.79764
#2	.04135	331.81	.31799	.17677	1.5244	.06567	.00951	108.23	.03824	.79563
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	271.441 {124}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.47573**	**.30551**	W **740.22**	**35.296**	**.23479**	**98.804**	W **10.084**	**.04871**	W **630.33**	**.17338**
Stddev	.00081	.00092	7.48	.390	.00210	.483	.099	.00023	6.38	.00045
%RSD	.16944	.30132	1.0100	1.1039	.89420	.48898	.98379	.47027	1.0115	.26184
#1	.47630	.30617	734.93	35.020	.23330	99.146	10.154	.04887	625.82	.17370
#2	.47516	.30486	745.51	35.571	.23627	98.463	10.013	.04855	634.84	.17306
Check ?	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Warn	Chk Pass
High Limit			500.00				10.000		500.00	
Low Limit			40.000				-.01000		11.000	

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **9.8997**	**.64288**	F **226.76**	**.07958**	**.19512**	W **56.235**	**120.34**	**.08560**	**.69468**	**.20554**
Stddev	.0017	.00036	.35	.00073	.00562	.599	1.28	.00325	.00717	.01574
%RSD	.01714	.05606	.15352	.91481	2.8802	1.0657	1.0657	3.7931	1.0319	7.6604
#1	9.9009	.64314	226.51	.07907	.19114	55.811	119.44	.08790	.68961	.21667
#2	9.8985	.64263	227.00	.08010	.19909	56.659	121.25	.08330	.69975	.19440
Check ?	Chk Warn	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	2.0000		200.00			50.000				
Low Limit	-1.0000		-.20000			-.10000				

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.0767**	**.12682**	**.21520**	**.72448**	**1.6215**	**.09598**
Stddev	.0033	.00172	.00189	.00429	.0102	.00043
%RSD	.31042	1.3536	.87970	.59148	.62909	.44865
#1	1.0790	.12560	.21387	.72751	1.6287	.09628
#2	1.0743	.12803	.21654	.72145	1.6143	.09567
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**3775.9**	**56375.**	**6798.3**
Stddev	6.7	294.	37.6
%RSD	.17698	.52200	.55372
#1	3771.2	56167.	6824.9
#2	3780.6	56583.	6771.6

Sample Name: CCVH-1390999 Acquired: 5/1/2012 15:05:00 Type: QC
Method: 6500_025(v2) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2714
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00078**	**49.822**	**-.00056**	**.00265**	**.00111**	**.00013**	**1.0076**	**.05501**	**.00009**	**.00031**	**.00048**	**-.00307**	**49.907**
Stddev	.00022	.131	.00139	.00054	.00019	.00011	.0009	.00382	.00024	.00004	.00036	.00009	.173
%RSD	28.570	.26217	245.71	20.228	17.426	83.333	.08999	6.9491	258.29	11.526	74.762	2.9566	.34722
#1	-.00062	49.915	-.00154	.00303	.00097	.00021	1.0083	.05231	-.00008	.00029	.00073	-.00314	50.030
#2	-.00093	49.730	.00042	.00227	.00124	.00005	1.0070	.05772	.00026	.00034	.00022	-.00301	49.784
Check ?	None	Chk Pass	None	None	None	None	Chk Pass	None	None	None	None	None	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.18594**	**.00151**	**.01054**	**.00360**	**.00040**	**244.70**	**.00086**	**.00708**	**.00063**	**4.9823**	**-.00012**	**.00484**	**.09598**
Stddev	.00770	.00074	.00705	.00075	.00009	.56	.00005	.00297	.00007	.0003	.00125	.00365	.01806
%RSD	4.1396	48.897	66.910	20.862	22.874	.22828	5.6841	41.965	11.169	.00555	1027.7	75.420	18.812
#1	.19138	.00203	.01552	.00413	.00033	245.10	.00090	.00918	.00058	4.9821	.00076	.00742	.08321
#2	.18049	.00099	.00555	.00307	.00046	244.31	.00083	.00498	.00068	4.9825	-.00101	.00226	.10874
Check ?	None	None	None	None	None	Chk Pass	None	None	None	Chk Pass	None	None	None
Value													
Range													

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.20539**	**.00120**	**.00068**	**5.0032**	**.00751**	**.00239**	**10.258**	**-.00365**	**.00123**	**-.03646**
Stddev	.03864	.00051	.00000	.0084	.00024	.00084	.019	.00016	.00033	.00440
%RSD	18.812	42.985	.54970	.16895	3.2367	34.937	.18942	4.4179	27.038	12.071
#1	.17807	.00156	.00069	4.9972	.00768	.00298	10.244	-.00354	.00099	-.03335
#2	.23271	.00083	.00068	5.0091	.00733	.00180	10.271	-.00376	.00147	-.03957
Check ?	None	None	None	Chk Pass	None	None	Chk Pass	None	None	None
Value										
Range										

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**3125.3**	**47000.**	**5027.9**
Stddev	15.4	254.	7.3
%RSD	.49186	.54017	.14598
#1	3136.2	47180.	5033.1
#2	3114.4	46821.	5022.7

Sample Name: CCV-1390955 Acquired: 5/1/2012 15:07:21 Type: QC
Method: 6500_025(v2) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.49955**	**.50750**	**.98153**	**.48214**	**.49185**	**.47750**	**-.00243**	**4.8653**	**.49656**	**.49684**	**.49889**	**.50366**	**2.4873**
Stddev	.00034	.00460	.00024	.00107	.00315	.00095	.00022	.0221	.00095	.00016	.00095	.00164	.0247
%RSD	.06861	.90685	.02431	.22157	.63957	.19922	9.1693	.45481	.19227	.03139	.19084	.32574	.99222
#1	.49931	.51076	.98170	.48138	.48963	.47683	-.00259	4.8497	.49589	.49695	.49956	.50250	2.4698
#2	.49979	.50425	.98136	.48289	.49407	.47818	-.00227	4.8810	.49724	.49673	.49822	.50482	2.5047
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**48.848**	**.96341**	**19.927**	**.50256**	**.49652**	**5.0393**	**.49667**	**.95002**	**1.0181**	**.02291**	**.96939**	**.98011**	**4.9476**
Stddev	.187	.00752	.109	.00116	.00055	.0178	.00020	.00203	.0026	.00458	.00181	.00731	.0570
%RSD	.38235	.78088	.54830	.23148	.11168	.35276	.03946	.21395	.25034	19.992	.18693	.74609	1.1528
#1	48.716	.95809	19.850	.50173	.49613	5.0267	.49681	.95146	1.0199	.02615	.97067	.98528	4.9073
#2	48.980	.96873	20.005	.50338	.49691	5.0519	.49653	.94859	1.0163	.01967	.96811	.97494	4.9880
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**10.588**	**.99591**	**.48828**	**-.00016**	**.49392**	**1.0164**	**.00004**	**.50371**	**.51619**	**.49200**
Stddev	.122	.00184	.00281	.00043	.00152	.0016	.02644	.00203	.00530	.00019
%RSD	1.1528	.18428	.57523	271.26	.30751	.15420	63277.	.40213	1.0261	.03802
#1	10.502	.99721	.48629	.00015	.49285	1.0152	-.01866	.50228	.51245	.49187
#2	10.674	.99461	.49027	-.00047	.49499	1.0175	.01874	.50514	.51994	.49213
Check ?	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value										
Range										

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**3209.3**	**47988.**	**5115.5**
Stddev	20.3	218.	44.8
%RSD	.63261	.45502	.87496
#1	3195.0	48142.	5147.1
#2	3223.7	47834.	5083.8

Sample Name: CCB Acquired: 5/1/2012 15:09:34 Type: QC
Method: 6500_025(v2) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00044**	**.00463**	**-.00337**	**.00143**	**.00026**	**.00014**	**.00169**	**.00345**	**.00017**	**.00001**	**-.00016**	**-.00062**
Stddev	.00012	.00032	.00574	.00041	.00011	.00009	.00199	.00334	.00016	.00013	.00010	.00008
%RSD	28.494	6.8422	170.52	28.895	40.454	67.235	117.84	96.916	92.500	1033.5	62.152	12.940
#1	.00035	.00486	-.00743	.00114	.00019	.00020	.00028	.00108	.00006	.00010	-.00009	-.00068
#2	.00052	.00441	.00069	.00172	.00034	.00007	.00310	.00581	.00029	-.00008	-.00022	-.00056
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit												
Low Limit												

Elem	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01542**	**.06212**	**.00091**	**.00384**	**.00022**	**.00096**	W **.16601**	**-.00054**	**.00139**	**.00052**	**.01954**	**.00155**
Stddev	.00410	.02765	.00086	.00018	.00004	.00031	.00952	.00019	.00258	.00037	.00062	.00278
%RSD	26.566	44.508	95.270	4.7971	19.217	32.042	5.7334	34.311	186.34	71.906	3.1516	178.97
#1	.01831	.04257	.00030	.00397	.00019	.00074	.15928	-.00068	-.00044	.00026	.01998	.00352
#2	.01252	.08167	.00152	.00371	.00025	.00118	.17275	-.00041	.00321	.00079	.01911	-.00041
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							.09160					
Low Limit							-.09160					

Elem	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00126**	**.02394**	**.05122**	**.00110**	**.00006**	**.00009**	**.00010**	**.00209**	**.01163**	**-.00002**	**.00186**	**-.00011**
Stddev	.00058	.02539	.05434	.00008	.00000	.00147	.00014	.00086	.00522	.00036	.00007	.00131
%RSD	46.221	106.08	106.08	7.6544	5.1515	1666.3	140.65	41.391	44.922	2177.3	3.8921	1175.4
#1	.00085	.00598	.01280	.00116	.00005	.00113	.00000	.00270	.01532	.00023	.00181	-.00104
#2	.00167	.04189	.08965	.00104	.00006	-.00095	.00019	.00148	.00794	-.00027	.00191	.00082
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit												
Low Limit												

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**3193.2**	**49082.**	**5028.6**
Stddev	.7	187.	7.4
%RSD	.02148	.38194	.14740
#1	3193.7	49214.	5033.9
#2	3192.7	48949.	5023.4

Sample Name: CCVL1390952 Acquired: 5/1/2012 15:12:00 Type: QC
Method: 6500_025(v2) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599	K_7664
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01071**	**.10867**	**.01213**	**.09911**	**.01040**	**.00102**	**.11940**	**.20039**	**.00515**	**.01023**	**.01021**	**.01480**	**.10885**	**3.1111**
Stddev	.00005	.00033	.00008	.00025	.00028	.00003	.00063	.00102	.00007	.00003	.00003	.00026	.00072	.0064
%RSD	.47013	.30796	.62794	.25035	2.6458	2.4905	.52472	.51096	1.3689	.26383	.25169	1.7553	.65717	.20662
#1	.01068	.10891	.01218	.09893	.01021	.00100	.11985	.20112	.00510	.01025	.01023	.01461	.10935	3.1157
#2	.01075	.10844	.01207	.09928	.01060	.00104	.11896	.19967	.00520	.01021	.01019	.01498	.10834	3.1066
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value														
Range														

Elem	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01150**	**.20908**	**.01052**	**.02003**	**1.1548**	**.04141**	**2.8616**	**.00930**	**.01465**	**.00772**	**.01503**	**.51301**	**1.0978**	**.10510**
Stddev	.00229	.00382	.00009	.00005	.0180	.00030	.0036	.00069	.00065	.00006	.00102	.00260	.0056	.00061
%RSD	19.933	1.8287	.81108	.26947	1.5594	.72767	.12637	7.4343	4.4053	.78435	6.8080	.50601	.50601	.57826
#1	.00988	.21178	.01046	.01999	1.1420	.04162	2.8591	.00979	.01511	.00768	.01431	.51117	1.0939	.10553
#2	.01312	.20637	.01058	.02007	1.1675	.04119	2.8642	.00882	.01419	.00776	.01576	.51484	1.1018	.10467
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value														
Range														

Elem	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01014**	**.01482**	**.01040**	**.01686**	**.07513**	**.00967**	**.02289**	**.01609**
Stddev	.00014	.00125	.00012	.00023	.00192	.00031	.00037	.00081
%RSD	1.3641	8.4093	1.1812	1.3726	2.5581	3.2542	1.5978	5.0312
#1	.01004	.01570	.01032	.01670	.07649	.00989	.02263	.01552
#2	.01023	.01394	.01049	.01702	.07377	.00944	.02314	.01666
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value								
Range								

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**3261.9**	**50101.**	**5182.1**
Stddev	2.0	175.	27.4
%RSD	.06209	.34914	.52918
#1	3263.3	50225.	5201.5
#2	3260.4	49977.	5162.7

Sample Name: MB 280-116504/1-A Acquired: 5/1/2012 15:14:24 Type: Unk
Method: 6500_025(v2) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 116504 200.7

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00031**	**.00484**	**-.00222**	**.00036**	**.00019**	**.00000**	**-.00288**	**.01162**	**.00026**	**.00007**
Stddev	.00010	.00022	.00177	.00033	.00021	.00011	.00476	.00124	.00020	.00006
%RSD	32.938	4.5141	80.047	92.005	114.36	3968.4	164.95	10.709	77.512	83.635
#1	.00038	.00499	-.00347	.00060	.00004	.00008	-.00625	.01074	.00012	.00003
#2	.00024	.00468	-.00096	.00013	.00034	-.00007	.00048	.01250	.00041	.00012
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00005**	**.00109**	**.01692**	**-.00245**	**.00298**	**.00185**	W **.00025**	**-.00024**	W **.10553**	**-.00029**
Stddev	.00006	.00024	.00260	.00607	.00219	.00081	.00001	.00016	.00489	.00055
%RSD	112.35	21.666	15.370	247.73	73.439	43.577	5.0793	69.410	4.6348	192.50
#1	-.00001	.00126	.01508	-.00674	.00143	.00242	.00026	-.00012	.10899	.00010
#2	-.00009	.00092	.01876	.00184	.00453	.00128	.00024	-.00035	.10207	-.00068
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Warn	Chk Pass
High Limit							.00023		.05054	
Low Limit							-.00500		-.50000	

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00169**	**-.00007**	F **.02404**	**-.00283**	**.00480**	F **.01199**	**.02565**	**-.00019**	**.00005**	W **.00073**
Stddev	.00135	.00126	.00094	.00030	.00492	.01395	.02986	.00110	.00004	.00103
%RSD	79.516	1929.3	3.9186	10.462	102.42	116.40	116.40	567.92	93.200	141.37
#1	.00074	-.00096	.02470	-.00303	.00828	.02185	.04676	.00058	.00008	.00146
#2	.00265	.00083	.02337	-.00262	.00132	.00212	.00454	-.00097	.00002	.00000
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Fail	None	Chk Pass	Chk Pass	Chk Warn
High Limit			.01000			.01000				.00000
Low Limit			-.01000			-.01000				-.00500

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00014**	**.00085**	**.00908**	**-.00033**	**.00299**	**.00006**
Stddev	.00018	.00075	.01322	.00030	.00089	.00003
%RSD	130.72	88.813	145.65	91.648	29.642	58.588
#1	.00027	.00032	.01842	-.00011	.00362	.00008
#2	.00001	.00138	-.00027	-.00054	.00236	.00003
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**3222.7**	**49683.**	**5077.5**
Stddev	16.9	218.	14.2
%RSD	.52450	.43847	.28052
#1	3210.7	49529.	5067.4
#2	3234.6	49837.	5087.5

Sample Name: LCS 280-116504/2-A Acquired: 5/1/2012 15:16:50 Type: Unk
Method: 6500_025(v2) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 116504 200.7

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.05106**	**1.9109**	**1.0189**	F **1.9942**	**2.0041**	**.04944**	**2.1318**	**48.854**	**.10109**	**.49563**
Stddev	.00038	.0055	.0007	.0045	.0008	.00006	.0074	.065	.00005	.00116
%RSD	.73859	.28984	.07301	.22679	.03779	.12020	.34588	.13357	.05368	.23326
#1	.05080	1.9148	1.0194	1.9974	2.0047	.04940	2.1371	48.808	.10105	.49645
#2	.05133	1.9070	1.0183	1.9910	2.0036	.04948	2.1266	48.901	.10113	.49481
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
High Limit				1.1000						
Low Limit				.89000						

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.20218**	**.25711**	**1.0037**	**49.868**	**.99399**	**49.675**	**.50947**	F **2.0583**	**51.714**	**.49653**
Stddev	.00062	.00077	.0058	.008	.00058	.027	.00092	.0079	.179	.00150
%RSD	.30443	.29882	.57763	.01532	.05867	.05345	.17998	.38557	.34539	.30248
#1	.20262	.25656	.99956	49.874	.99358	49.656	.50883	2.0639	51.588	.49760
#2	.20175	.25765	1.0078	49.863	.99440	49.693	.51012	2.0527	51.840	.49547
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass
High Limit								1.1000		
Low Limit								.90000		

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**9.8488**	**.50027**	**.03595**	F **.99391**	**2.0276**	F **20.035**	F **42.874**	F **4.0571**	**1.0097**	**1.0313**
Stddev	.0285	.00115	.00212	.00530	.0001	.054	.115	.0103	.0001	.0007
%RSD	.28984	.23085	5.8951	.53279	.00682	.26715	.26715	.25398	.01070	.06756
#1	9.8689	.49945	.03744	.99766	2.0275	19.997	42.793	4.0644	1.0098	1.0317
#2	9.8286	.50109	.03445	.99017	2.0277	20.073	42.955	4.0498	1.0096	1.0308
Check ?	Chk Pass	Chk Pass	None	Chk Fail	Chk Pass	Chk Fail	Chk Fail	Chk Fail	Chk Pass	Chk Pass
High Limit				.54000		11.500	24.610	2.2600		
Low Limit				.44000		9.4000	20.100	1.7000		

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **2.0473**	**2.0034**	**2.2491**	**.51472**	**.51255**	F **1.0118**
Stddev	.0019	.0004	.0250	.00122	.00288	.0007
%RSD	.09277	.01755	1.1115	.23729	.56119	.06835
#1	2.0487	2.0031	2.2315	.51385	.51051	1.0123
#2	2.0460	2.0036	2.2668	.51558	.51458	1.0113
Check ?	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail
High Limit	1.1000					.62500
Low Limit	.90000					.37500

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**3078.9**	**46865.**	**5090.0**
Stddev	10.7	190.	13.9
%RSD	.34813	.40587	.27289
#1	3071.3	47000.	5099.9
#2	3086.5	46731.	5080.2

Sample Name: 280-28011-C-1-A Acquired: 5/1/2012 15:19:00 Type: Unk
Method: 6500_025(v2) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 116504 200.7

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00032**	**.01801**	**.00176**	**.05317**	**.02822**	**.00004**	**-.00048**	**146.76**	**.00034**	**-.00015**
Stddev	.00016	.00001	.00142	.00010	.00084	.00007	.00227	1.13	.00003	.00021
%RSD	50.446	.05500	80.449	.19742	2.9807	174.65	476.72	.77285	7.3120	134.15
#1	.00021	.01800	.00277	.05325	.02762	.00009	-.00208	145.96	.00036	-.00030
#2	.00044	.01801	.00076	.05310	.02881	-.00001	.00113	147.57	.00032	-.00001
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00142**	**.00040**	**.56637**	**8.2515**	**.00307**	**7.7964**	**.00933**	**.00370**	**49.561**	**-.00050**
Stddev	.00016	.00018	.00202	.0651	.00028	.0114	.00012	.00111	.360	.00002
%RSD	11.543	45.856	.35689	.78914	9.1439	.14657	1.3348	30.130	.72650	4.5562
#1	.00153	.00052	.56494	8.2054	.00287	7.8044	.00942	.00291	49.307	-.00052
#2	.00130	.00027	.56779	8.2975	.00327	7.7883	.00925	.00448	49.816	-.00049
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.04314**	**.00030**	**.74801**	**-.00005**	**.00366**	**4.7958**	**10.263**	**.00064**	**1.2660**	**.00015**
Stddev	.00138	.00038	.00324	.00002	.00415	.0320	.069	.00015	.0084	.00046
%RSD	3.2036	124.61	.43366	43.884	113.26	.66802	.66802	23.560	.66545	303.02
#1	.04216	.00004	.74571	-.00004	.00073	4.7731	10.214	.00053	1.2600	.00048
#2	.04411	.00057	.75030	-.00007	.00660	4.8184	10.311	.00075	1.2720	-.00017
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00109**	**.00122**	**.00314**	**.00159**	**.00267**	**-.00036**
Stddev	.00018	.00119	.00997	.00016	.00069	.00086
%RSD	16.019	97.463	317.75	9.7464	25.982	238.02
#1	.00122	.00207	.01019	.00148	.00316	-.00097
#2	.00097	.00038	-.00391	.00170	.00218	.00025
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**3068.4**	**46168.**	**4836.7**
Stddev	2.8	1163.	77.6
%RSD	.09140	2.5186	1.6048
#1	3066.4	45346.	4891.6
#2	3070.3	46990.	4781.8

Sample Name: sd 280-28011-C-1-A@5 Acquired: 5/1/2012 15:21:25 Type: Unk
Method: 6500_025(v2) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 116504 200.7

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00001**	**.00389**	**-.00265**	**.01104**	**.00542**	**.00007**	**-.00085**	**29.117**	**.00018**	**-.00032**
Stddev	.00026	.00021	.00031	.00005	.00008	.00010	.00182	.076	.00013	.00019
%RSD	3946.6	5.4734	11.783	.42653	1.4296	158.12	212.88	.26016	74.873	58.179
#1	.00019	.00374	-.00287	.01108	.00548	.00014	.00043	29.063	.00008	-.00045
#2	-.00018	.00404	-.00243	.01101	.00537	-.00001	-.00214	29.170	.00027	-.00019
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Na8183
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	818.326 { 41}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00036**	**-.00047**	**.12656**	**1.6804**	**.00098**	**1.5891**	**.00210**	**-.00022**	**9.5388**	W **10.375**
Stddev	.00000	.00030	.00356	.0061	.00090	.0052	.00003	.00020	.0364	.425
%RSD	.79024	63.995	2.8134	.36130	91.206	.32926	1.5060	92.958	.38114	4.1002
#1	.00036	-.00069	.12907	1.6847	.00162	1.5928	.00212	-.00036	9.5131	10.675
#2	.00036	-.00026	.12404	1.6761	.00035	1.5854	.00207	-.00007	9.5645	10.074
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn
High Limit										500.00
Low Limit										11.000

Elem	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077
Line	231.604 {446}	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00022**	**.01032**	**.00012**	**.15376**	**-.00335**	**.00184**	**.92748**	**1.9848**	**.00059**	**.25025**
Stddev	.00009	.00112	.00052	.00779	.00106	.00483	.01940	.0415	.00081	.00006
%RSD	41.876	10.836	448.35	5.0638	31.711	263.03	2.0921	2.0921	135.85	.02385
#1	-.00028	.01111	.00048	.14826	-.00411	.00525	.94120	2.0142	.00002	.25029
#2	-.00015	.00953	-.00025	.15927	-.00260	-.00158	.91376	1.9555	.00116	.25021
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	283.730 {119}	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00029**	**.00046**	**.00047**	**.02470**	**-.00016**	**.00321**	**-.00177**
Stddev	.00034	.00024	.00040	.03012	.00004	.00071	.00019
%RSD	118.16	52.066	85.203	121.95	23.424	22.289	10.795
#1	.00053	.00063	.00019	.04600	-.00013	.00371	-.00190
#2	.00005	.00029	.00076	.00340	-.00019	.00270	-.00163
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**3173.3**	**49207.**	**5130.2**
Stddev	17.4	262.	22.5
%RSD	.54752	.53157	.43869
#1	3161.0	49022.	5114.3
#2	3185.5	49392.	5146.1

Sample Name: 280-28011-C-1-B MS Acquired: 5/1/2012 15:23:49 Type: Unk
Method: 6500_025(v2) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 116504 200.7

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.05071**	**1.8318**	**1.0141**	**1.0361**	**1.9741**	**.04768**	F **2.0605**	**190.72**	**.09937**	**.47608**
Stddev	.00017	.0069	.0069	.0005	.0028	.00022	.0044	.62	.00007	.00159
%RSD	.33013	.37409	.67861	.04935	.14257	.45956	.21437	.32338	.07385	.33460
#1	.05059	1.8366	1.0189	1.0357	1.9721	.04753	2.0637	190.28	.09943	.47720
#2	.05083	1.8269	1.0092	1.0364	1.9760	.04784	2.0574	191.15	.09932	.47495
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit							.10000			
Low Limit							-.10000			

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.19710**	**.25393**	**1.5157**	**57.155**	**.97388**	**54.821**	**.50039**	**1.0301**	**98.924**	**.47580**
Stddev	.00113	.00056	.0063	.008	.00091	.260	.00135	.0018	.092	.00151
%RSD	.57386	.21910	.41736	.01464	.09304	.47350	.26983	.16978	.09275	.31749
#1	.19790	.25354	1.5112	57.161	.97452	54.637	.49944	1.0313	98.859	.47687
#2	.19630	.25433	1.5201	57.149	.97324	55.004	.50135	1.0288	98.989	.47473
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **9.9134**	**.47697**	**.77341**	**.49272**	**1.9864**	**14.724**	**31.508**	**1.9871**	**2.2361**	**1.0103**
Stddev	.0031	.00037	.00772	.00073	.0002	.081	.172	.0022	.0017	.0006
%RSD	.03095	.07716	.99862	.14913	.01007	.54672	.54672	.11317	.07534	.06483
#1	9.9156	.47671	.76795	.49220	1.9862	14.667	31.387	1.9887	2.2349	1.0108
#2	9.9112	.47723	.77887	.49324	1.9865	14.781	31.630	1.9855	2.2372	1.0099
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	2.0000									
Low Limit	-1.0000									

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.0209**	**1.8792**	**2.1175**	**.50727**	**.49466**	**.49792**
Stddev	.0027	.0071	.0181	.00426	.00332	.00071
%RSD	.25927	.37551	.85274	.84068	.67150	.14170
#1	1.0191	1.8742	2.1303	.50425	.49231	.49742
#2	1.0228	1.8842	2.1047	.51028	.49701	.49842
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**3016.2**	**46067.**	**5086.3**
Stddev	9.3	145.	18.0
%RSD	.30688	.31524	.35300
#1	3009.7	46169.	5099.0
#2	3022.8	45964.	5073.6

Sample Name: 280-28011-C-1-C MSD Acquired: 5/1/2012 15:25:59 Type: Unk
Method: 6500_025(v2) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 116504 200.7

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.05123	1.8589	1.0200	1.0347	1.9724	.04773	F 2.0822	188.00	.10077	.48266
Stddev	.00031	.0032	.0152	.0022	.0308	.00093	.0057	3.22	.00003	.00028
%RSD	.61154	.16981	1.4930	.21013	1.5634	1.9571	.27176	1.7138	.02494	.05899
#1	.05145	1.8567	1.0308	1.0363	1.9506	.04707	2.0782	185.73	.10075	.48246
#2	.05100	1.8612	1.0093	1.0332	1.9943	.04839	2.0862	190.28	.10079	.48286
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit							.10000			
Low Limit							-.10000			

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.20000	.25606	1.5165	57.075	.97523	55.287	.50598	1.0275	97.494	.48294
Stddev	.00051	.00079	.0286	.865	.01884	.191	.00178	.0017	1.694	.00122
%RSD	.25549	.30977	1.8892	1.5150	1.9321	.34607	.35139	.16260	1.7379	.25289
#1	.19964	.25663	1.4963	56.463	.96191	55.423	.50724	1.0286	96.296	.48380
#2	.20036	.25550	1.5368	57.686	.98855	55.152	.50472	1.0263	98.692	.48208
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W 10.046	.48377	.75963	.49023	2.0161	14.544	31.124	1.9875	2.2119	1.0234
Stddev	.003	.00309	.01070	.00071	.0015	.258	.553	.0028	.0339	.0063
%RSD	.03053	.63889	1.4084	.14553	.07396	1.7768	1.7768	.14118	1.5337	.62055
#1	10.048	.48596	.76719	.49073	2.0150	14.361	30.733	1.9895	2.1879	1.0279
#2	10.044	.48159	.75206	.48972	2.0171	14.726	31.515	1.9856	2.2359	1.0189
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	2.0000									
Low Limit	-1.0000									

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.0156	1.8990	2.1611	.51402	.49999	.48726
Stddev	.0026	.0002	.0185	.00013	.00072	.01307
%RSD	.25506	.00962	.85440	.02500	.14356	2.6819
#1	1.0174	1.8989	2.1741	.51393	.49948	.47802
#2	1.0137	1.8991	2.1480	.51411	.50049	.49650
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	3007.0	46040.	5113.7
Stddev	.6	123.	56.7
%RSD	.02153	.26687	1.1096
#1	3006.6	45953.	5153.8
#2	3007.5	46127.	5073.6

Sample Name: CCVH-1390999 Acquired: 5/1/2012 15:28:09 Type: QC
Method: 6500_025(v2) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2714
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00067**	**49.242**	**-.00125**	**.00461**	**.00059**	**.00003**	**1.0065**	**.01671**	**.00021**	**.00053**	**.00051**	**-.00417**	**49.107**
Stddev	.00053	.185	.00397	.00092	.00015	.00000	.0016	.00217	.00002	.00015	.00014	.00002	.213
%RSD	78.563	.37666	316.84	19.954	24.441	6.1611	.15539	12.996	9.0316	28.410	27.031	.59178	.43338
#1	-.00104	49.373	-.00406	.00527	.00049	.00003	1.0076	.01825	.00019	.00043	.00041	-.00418	49.258
#2	-.00030	49.111	.00156	.00396	.00070	.00002	1.0054	.01518	.00022	.00064	.00061	-.00415	48.957
Check ?	None	Chk Pass	None	None	None	None	Chk Pass	None	None	None	None	None	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.11015**	**.00225**	**-.01692**	**.00012**	**.00230**	**243.19**	**.00125**	**.00294**	**.00029**	**4.9310**	**-.00103**	**.00994**	**.01239**
Stddev	.04272	.00086	.00167	.00003	.00033	.46	.00007	.00007	.00001	.0196	.00051	.00143	.01226
%RSD	38.784	38.469	9.8709	23.484	14.258	.18892	5.2568	2.2240	2.0094	.39766	49.335	14.425	98.912
#1	.07994	.00286	-.01810	.00014	.00207	242.86	.00121	.00289	.00028	4.9449	-.00140	.00893	.00372
#2	.14035	.00164	-.01574	.00010	.00253	243.51	.00130	.00298	.00029	4.9171	-.00067	.01096	.02106
Check ?	None	None	None	None	None	Chk Pass	None	None	None	Chk Pass	None	None	None
Value													
Range													

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.02652**	**.00219**	**.00050**	**5.0051**	**.00733**	**.00170**	**10.234**	**-.00453**	**.00109**	**-.03850**
Stddev	.02623	.00125	.00000	.0056	.00008	.00080	.051	.00007	.00019	.00196
%RSD	98.912	57.310	.08127	.11196	1.1468	47.224	.49529	1.5210	17.780	5.0974
#1	.00797	.00307	.00050	5.0091	.00739	.00113	10.270	-.00458	.00122	-.03712
#2	.04507	.00130	.00050	5.0012	.00727	.00227	10.198	-.00448	.00095	-.03989
Check ?	None	None	None	Chk Pass	None	None	Chk Pass	None	None	None
Value										
Range										

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**3106.8**	**46775.**	**5056.8**
Stddev	11.9	88.	15.8
%RSD	.38301	.18914	.31273
#1	3098.4	46712.	5045.7
#2	3115.3	46837.	5068.0

Sample Name: CCV-1390955 Acquired: 5/1/2012 15:30:30 Type: QC
Method: 6500_025(v2) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.49841**	**.49098**	**.98043**	**.47936**	**.49237**	**.47207**	**-.00329**	**4.8138**	**.49641**	**.49458**	**.49768**	**.50484**	**2.4604**
Stddev	.00168	.00004	.00157	.00314	.00094	.00233	.00120	.0228	.00012	.00100	.00010	.00244	.0103
%RSD	.33770	.00757	.15976	.65463	.19066	.49436	36.643	.47403	.02353	.20152	.02003	.48326	.41902
#1	.49960	.49100	.97932	.48158	.49171	.47042	-.00244	4.7977	.49649	.49529	.49775	.50657	2.4531
#2	.49722	.49095	.98154	.47714	.49304	.47372	-.00414	4.8300	.49633	.49388	.49761	.50312	2.4677
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**48.569**	**.96308**	**19.537**	**.49696**	**.49486**	**4.9062**	**.49497**	**.93738**	**1.0151**	**.00885**	**.95960**	**.98790**	**4.7870**
Stddev	.138	.00506	.003	.00055	.00001	.0014	.00065	.00577	.0044	.00636	.00505	.00311	.0218
%RSD	.28336	.52529	.01648	.11148	.00232	.02915	.13211	.61582	.43067	71.877	.52611	.31513	.45576
#1	48.472	.95950	19.535	.49735	.49485	4.9072	.49544	.93330	1.0120	.01335	.96317	.99011	4.7716
#2	48.667	.96665	19.540	.49657	.49487	4.9052	.49451	.94146	1.0181	.00435	.95603	.98570	4.8024
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**10.244**	**.98934**	**.48705**	**.00057**	**.49150**	**1.0118**	**-.00344**	**.50054**	**.50553**	**.49164**
Stddev	.047	.00281	.00076	.00072	.00134	.0029	.00310	.00041	.00037	.00270
%RSD	.45576	.28389	.15684	126.13	.27239	.28300	90.052	.08139	.07237	.54847
#1	10.211	.98735	.48651	.00108	.49056	1.0098	-.00125	.50083	.50579	.48973
#2	10.277	.99132	.48759	.00006	.49245	1.0138	-.00564	.50026	.50527	.49355
Check ?	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value										
Range										

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**3167.2**	**48198.**	**5086.2**
Stddev	2.0	125.	19.4
%RSD	.06305	.26027	.38187
#1	3168.6	48287.	5072.5
#2	3165.8	48110.	5100.0

Sample Name: CCB Acquired: 5/1/2012 15:32:44 Type: QC
Method: 6500_025(v2) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00047**	**-.00016**	**.00023**	**.00087**	**.00029**	**.00005**	**-.00083**	**.00398**	**.00015**	**-.00010**	**-.00015**
Stddev	.00022	.00004	.00036	.00104	.00002	.00009	.00099	.00338	.00014	.00000	.00005
%RSD	46.259	24.456	155.53	119.90	8.0625	175.36	120.07	84.882	94.234	4.6797	30.680
#1	.00062	-.00013	-.00002	.00161	.00030	-.00001	-.00013	.00159	.00024	-.00011	-.00012
#2	.00031	-.00018	.00049	.00013	.00027	.00011	-.00153	.00638	.00005	-.00010	-.00019
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit											
Low Limit											

Elem	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00106**	**.00074**	**.02300**	**.00221**	**.00223**	**.00006**	**.00122**	W **.09325**	**-.00072**	**.00123**	**-.00175**
Stddev	.00047	.00117	.00739	.00171	.00098	.00008	.00018	.00373	.00008	.00182	.00094
%RSD	43.946	158.33	32.152	77.444	43.831	146.23	14.948	3.9958	10.771	147.82	53.424
#1	-.00139	-.00009	.02823	.00342	.00292	.00000	.00109	.09588	-.00066	-.00006	-.00109
#2	-.00073	.00157	.01777	.00100	.00154	.00012	.00135	.09062	-.00077	.00252	-.00241
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass
High Limit								.09160			
Low Limit								-.09160			

Elem	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00459**	**.00046**	W **.00544**	**-.01097**	**-.02349**	**.00079**	**.00008**	**.00120**	**-.00013**	**.00200**	**.01863**
Stddev	.00047	.00115	.00257	.01355	.02900	.00004	.00014	.00177	.00002	.00130	.00380
%RSD	10.146	251.25	47.305	123.49	123.49	4.5824	177.77	147.20	17.130	64.643	20.376
#1	.00426	-.00036	.00362	-.00139	-.00298	.00082	.00018	.00245	-.00015	.00109	.02131
#2	.00492	.00127	.00726	-.02056	-.04399	.00077	-.00002	-.00005	-.00012	.00292	.01594
Check ?	Chk Pass	Chk Pass	Chk Warn	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit			.00486								
Low Limit			-.00486								

Elem	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm
Avg	**-.00031**	**.00150**	W **-.00289**
Stddev	.00034	.00002	.00074
%RSD	108.45	1.4777	25.767
#1	-.00007	.00152	-.00342
#2	-.00055	.00149	-.00236
Check ?	Chk Pass	Chk Pass	Chk Warn
High Limit			.00238
Low Limit			-.00238

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**3193.4**	**49301.**	**5031.4**
Stddev	.4	80.	12.0
%RSD	.01384	.16158	.23760
#1	3193.7	49357.	5039.9
#2	3193.1	49245.	5023.0

Sample Name: CCVL1390952 Acquired: 5/1/2012 15:35:09 Type: QC
Method: 6500_025(v2) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01032**	**.10310**	**.01143**	**.09812**	**.01022**	**.00106**	**.11660**	**.19590**	**.00539**	**.01036**	**.01008**	**.01462**	**.09908**
Stddev	.00046	.00013	.00638	.00053	.00038	.00006	.00133	.00149	.00015	.00015	.00042	.00000	.00039
%RSD	4.5045	.12857	55.810	.54297	3.6799	6.1040	1.1364	.76105	2.7361	1.4898	4.1689	.03089	.39649
#1	.00999	.10301	.01594	.09850	.01049	.00111	.11754	.19485	.00528	.01047	.00979	.01462	.09880
#2	.01065	.10320	.00692	.09774	.00996	.00102	.11566	.19696	.00549	.01026	.01038	.01462	.09935
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**3.0381**	**.00971**	**.20775**	**.01024**	**.01999**	**1.0980**	**.04077**	**2.7998**	**.00949**	**.00335**	**.00840**	**.01536**	**.48205**
Stddev	.0055	.00179	.00383	.00009	.00002	.0088	.00009	.0104	.00065	.00268	.00011	.00164	.01703
%RSD	.18224	18.460	1.8456	.92513	.10205	.80517	.20981	.37011	6.8982	80.031	1.3129	10.682	3.5325
#1	3.0421	.01097	.20504	.01017	.02000	1.0917	.04071	2.8071	.00995	.00145	.00832	.01420	.49409
#2	3.0342	.00844	.21046	.01031	.01997	1.1042	.04083	2.7925	.00903	.00525	.00847	.01652	.47001
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.0316**	**.10221**	**.01000**	**.01522**	**.01005**	**.01593**	F **.08676**	**.00960**	**.02222**	**.01458**
Stddev	.0364	.00017	.00004	.00031	.00015	.00201	.00436	.00000	.00028	.00023
%RSD	3.5325	.16664	.41318	2.0349	1.5033	12.599	5.0267	.02356	1.2464	1.5747
#1	1.0574	.10209	.01003	.01544	.01016	.01735	.08368	.00961	.02202	.01474
#2	1.0058	.10233	.00997	.01500	.00994	.01451	.08985	.00960	.02241	.01442
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
Value							.06000			
Range							30.000%			

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**3270.5**	**50457.**	**5134.2**
Stddev	3.2	21.	12.3
%RSD	.09720	.04131	.23862
#1	3272.7	50472.	5142.9
#2	3268.2	50443.	5125.6

Sample Name: mb 280-117234/1-a Acquired: 5/1/2012 15:37:33 Type: Unk
Method: 6500_025(v2) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 117234 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00071**	**.00041**	**-.00344**	**.00031**	**.00025**	**.00005**	**.00303**	**.00676**	**.00020**	**-.00006**
Stddev	.00019	.00055	.00107	.00038	.00009	.00003	.00167	.00221	.00009	.00015
%RSD	27.263	135.11	30.980	120.44	36.525	56.550	54.918	32.700	46.380	237.41
#1	.00058	.00002	-.00269	.00005	.00031	.00007	.00186	.00520	.00013	-.00017
#2	.00085	.00080	-.00419	.00058	.00019	.00003	.00421	.00832	.00026	.00004
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00006**	**-.00049**	**.00106**	**.04381**	**.00160**	**.00016**	**.00009**	**.00012**	**.06521**	**.00017**
Stddev	.00011	.00040	.00015	.02767	.00011	.00133	.00000	.00026	.00693	.00038
%RSD	185.86	81.683	13.640	63.165	6.7849	831.98	3.8380	217.34	10.627	222.60
#1	-.00002	-.00021	.00117	.02424	.00168	-.00078	.00008	-.00006	.06031	-.00010
#2	.00013	-.00077	.00096	.06338	.00153	.00110	.00009	.00030	.07011	.00044
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00174**	**-.00107**	**.00498**	**-.00140**	**.00183**	F **-.01194**	**-.02555**	**.00098**	**.00003**	**.00061**
Stddev	.00157	.00008	.00523	.00203	.00067	.01871	.04003	.00107	.00004	.00259
%RSD	90.199	7.1313	104.94	145.34	36.387	156.71	156.71	109.14	109.76	424.68
#1	.00063	-.00112	.00129	-.00283	.00230	.00129	.00276	.00022	.00001	-.00122
#2	.00284	-.00101	.00868	.00004	.00136	-.02517	-.05386	.00173	.00006	.00244
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	None	Chk Pass	Chk Pass	Chk Pass
High Limit						.01000				
Low Limit						-.01000				

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00034**	**.00017**	**-.00083**	**-.00049**	**.00219**	**-.00080**
Stddev	.00008	.00215	.01731	.00001	.00059	.00136
%RSD	24.632	1297.8	2076.6	2.4279	26.783	170.72
#1	-.00040	.00168	.01140	-.00048	.00178	.00017
#2	-.00028	-.00135	-.01307	-.00050	.00261	-.00176
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**3251.9**	**49854.**	**5146.1**
Stddev	6.5	63.	30.7
%RSD	.20094	.12570	.59656
#1	3256.5	49809.	5167.8
#2	3247.3	49898.	5124.4

Sample Name: lcs 280-117234/2-a Acquired: 5/1/2012 15:39:58 Type: Unk
Method: 6500_025(v2) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 117234 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.05310**	**1.9611**	**1.0737**	**1.0625**	**2.0569**	**.05037**	**2.2236**	**49.860**	**.10582**	**.51060**
Stddev	.00053	.0009	.0022	.0004	.0015	.00008	.0013	.055	.00026	.00182
%RSD	.99629	.04789	.20814	.03829	.07541	.15158	.05860	.11102	.24105	.35706
#1	.05347	1.9604	1.0722	1.0628	2.0558	.05042	2.2245	49.821	.10564	.51189
#2	.05273	1.9618	1.0753	1.0622	2.0579	.05031	2.2227	49.899	.10600	.50931
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.20745**	**.26320**	**1.0254**	**51.242**	**1.0205**	**51.075**	**.51946**	**1.0506**	**52.900**	**.50993**
Stddev	.00065	.00197	.0010	.054	.0050	.071	.00100	.0009	.208	.00082
%RSD	.31100	.74704	.09718	.10518	.48861	.13939	.19155	.08795	.39394	.16172
#1	.20791	.26459	1.0247	51.204	1.0170	51.125	.52016	1.0513	52.753	.51051
#2	.20700	.26181	1.0261	51.280	1.0240	51.024	.51875	1.0500	53.048	.50935
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**10.432**	**.51780**	**.02134**	**.51277**	**2.1896**	**10.250**	F **21.935**	**2.0862**	**1.0338**	**1.0545**
Stddev	.015	.00181	.00589	.00049	.0149	.065	.139	.0036	.0009	.0029
%RSD	.14039	.35036	27.610	.09513	.67887	.63300	.63300	.17059	.08356	.27860
#1	10.442	.51908	.02551	.51243	2.2001	10.204	21.836	2.0887	1.0332	1.0566
#2	10.422	.51652	.01718	.51312	2.1791	10.296	22.033	2.0837	1.0345	1.0525
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit							24.610			
Low Limit							20.100			

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.0409**	**2.0839**	**2.2291**	**.52627**	**.52890**	**.51012**
Stddev	.0006	.0060	.0175	.00078	.00181	.00244
%RSD	.05762	.28954	.78399	.14885	.34293	.47871
#1	1.0414	2.0881	2.2167	.52571	.53019	.50839
#2	1.0405	2.0796	2.2415	.52682	.52762	.51185
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**3116.2**	**47522.**	**5173.9**
Stddev	1.5	35.	44.6
%RSD	.04923	.07295	.86230
#1	3117.3	47497.	5205.4
#2	3115.1	47546.	5142.3

Sample Name: 280-28158-d-1-a Acquired: 5/1/2012 15:42:08 Type: Unk
Method: 6500_025(v2) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 117234 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00001**	**-.00156**	**-.00230**	**.05687**	**.01171**	**.00008**	**-.00278**	W **581.84**	**.00071**	**-.00007**
Stddev	.00052	.00007	.00068	.00072	.00010	.00001	.00103	1.16	.00000	.00015
%RSD	5526.7	4.6903	29.549	1.2585	.84818	6.7751	37.197	.19883	.57532	221.05
#1	-.00036	-.00151	-.00278	.05738	.01178	.00008	-.00351	581.02	.00071	.00004
#2	.00038	-.00161	-.00182	.05637	.01164	.00009	-.00205	582.66	.00071	-.00017
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass
High Limit								500.00		
Low Limit								-.05000		

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00066**	**.00142**	**-.00053**	**13.510**	**.12096**	**91.016**	**.00051**	**.00256**	**427.41**	**-.00053**
Stddev	.00036	.00011	.00055	.050	.00279	.221	.00005	.00077	1.18	.00000
%RSD	54.786	7.9220	103.66	.37235	2.3056	.24323	9.7425	30.071	.27709	.79012
#1	.00040	.00150	-.00092	13.475	.11899	90.859	.00055	.00202	428.25	-.00053
#2	.00091	.00134	-.00014	13.546	.12293	91.172	.00048	.00311	426.58	-.00053
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.03918**	**-.00053**	F **677.78**	**-.00193**	**.18232**	**13.063**	**27.955**	**-.00136**	W **10.107**	**-.00035**
Stddev	.00278	.00088	.76	.00295	.00047	.036	.076	.00115	.034	.00105
%RSD	7.1055	166.80	.11140	152.87	.25738	.27320	.27320	84.239	.33357	296.66
#1	.03721	.00010	678.31	.00016	.18199	13.038	27.901	-.00218	10.083	-.00110
#2	.04114	-.00115	677.24	-.00401	.18265	13.088	28.009	-.00055	10.131	.00039
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass
High Limit			200.00						5.0000	
Low Limit			-.20000						-.01000	

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00082**	**.00464**	**.05218**	**.00073**	**.00328**	**-.00034**
Stddev	.00054	.00065	.00050	.00030	.00017	.00052
%RSD	66.023	14.029	.95430	41.036	5.0833	152.04
#1	.00120	.00418	.05183	.00095	.00316	.00003
#2	.00044	.00510	.05254	.00052	.00340	-.00070
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**2849.9**	**43309.**	**5018.7**
Stddev	5.5	34.	2.9
%RSD	.19306	.07783	.05795
#1	2853.8	43333.	5020.8
#2	2846.0	43285.	5016.7

Sample Name: 280-28158-d-1-aSD@5 Acquired: 5/1/2012 15:44:49 Type: Unk
Method: 6500_025(v2) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 117234 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00009**	**.00033**	**-.00698**	**.01235**	**.00277**	**.00008**	**-.00019**	**127.50**	**.00038**	**.00005**
Stddev	.00027	.00035	.00367	.00021	.00038	.00002	.00311	.46	.00009	.00005
%RSD	298.88	105.38	52.535	1.6840	13.548	26.459	1632.7	.35941	23.907	110.75
#1	.00010	.00058	-.00957	.01249	.00303	.00007	-.00239	127.18	.00044	.00001
#2	-.00028	.00009	-.00439	.01220	.00250	.00010	.00201	127.83	.00031	.00008
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00019**	**.00024**	**.00215**	**2.8870**	**.02411**	**19.510**	**.00033**	**-.00013**	**89.810**	**-.00075**
Stddev	.00003	.00019	.00107	.0205	.00084	.009	.00003	.00028	.012	.00039
%RSD	14.061	77.868	49.515	.70975	3.4844	.04468	8.7966	212.14	.01376	52.088
#1	.00021	.00037	.00290	2.8725	.02352	19.516	.00035	-.00033	89.802	-.00103
#2	.00017	.00011	.00140	2.9014	.02470	19.503	.00031	.00007	89.819	-.00048
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01023**	**-.00037**	**140.32**	**-.00144**	**.03391**	**2.7043**	**5.7872**	**.00057**	**2.1239**	**.00168**
Stddev	.00223	.00059	.50	.00007	.00132	.0239	.0513	.00099	.0028	.00111
%RSD	21.764	157.93	.35710	5.2124	3.8901	.88581	.88581	173.85	.13267	66.316
#1	.01181	-.00079	140.67	-.00149	.03484	2.6873	5.7509	.00127	2.1219	.00089
#2	.00866	.00004	139.96	-.00138	.03297	2.7212	5.8234	-.00013	2.1259	.00246
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00031**	**.00156**	**-.01441**	**.00015**	**.00649**	**.00060**
Stddev	.00005	.00051	.00229	.00002	.00127	.00252
%RSD	14.656	32.397	15.883	12.546	19.587	417.08
#1	.00034	.00192	-.01602	.00014	.00739	-.00118
#2	.00028	.00120	-.01279	.00017	.00559	.00238
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**3052.9**	**46245.**	**5076.8**
Stddev	9.3	75.	26.1
%RSD	.30497	.16315	.51330
#1	3046.3	46192.	5095.2
#2	3059.5	46299.	5058.3

Sample Name: 280-28158-d-1-b ms Acquired: 5/1/2012 15:47:12 Type: Unk
Method: 6500_025(v2) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 117234 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.05488**	**1.7964**	**1.1113**	**1.0566**	**2.0602**	**.04887**	F **2.1561**	W **624.55**	**.10680**	**.48347**
Stddev	.00020	.0016	.0075	.0026	.0043	.00049	.0003	11.53	.00022	.00074
%RSD	.35680	.08661	.67342	.24894	.20822	1.0030	.01225	1.8464	.20400	.15400
#1	.05502	1.7975	1.1060	1.0547	2.0632	.04921	2.1559	632.71	.10664	.48400
#2	.05474	1.7953	1.1166	1.0584	2.0572	.04852	2.1563	616.40	.10695	.48295
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Warn	Chk Pass	Chk Pass
High Limit							.10000	500.00		
Low Limit							-.10000	-.05000		

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.20218**	**.26802**	**.99497**	**66.110**	**1.1661**	**140.19**	**.51104**	**1.0366**	**479.16**	**.48072**
Stddev	.00066	.00095	.00703	.143	.0073	.40	.00079	.0019	.69	.00088
%RSD	.32710	.35397	.70702	.21672	.62704	.28367	.15408	.18838	.14455	.18350
#1	.20264	.26869	.99994	66.211	1.1713	139.91	.51048	1.0380	479.65	.48135
#2	.20171	.26735	.98999	66.008	1.1609	140.47	.51160	1.0353	478.67	.48010
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **10.851**	**.47665**	F **677.03**	**.51185**	**2.4266**	**23.405**	**50.087**	**1.9688**	W **10.761**	**1.0496**
Stddev	.015	.00019	.40	.00032	.0049	.073	.157	.0000	.131	.0010
%RSD	.13639	.03933	.05847	.06276	.20195	.31308	.31308	.00042	1.2149	.09245
#1	10.841	.47651	676.75	.51208	2.4301	23.457	50.198	1.9688	10.853	1.0489
#2	10.861	.47678	677.31	.51162	2.4232	23.353	49.976	1.9688	10.669	1.0503
Check ?	Chk Warn	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass
High Limit	2.0000		200.00						5.0000	
Low Limit	-1.0000		-.20000						-.01000	

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.0370**	**1.7931**	**2.2491**	**.53142**	**.50647**	**.50577**
Stddev	.0025	.0015	.0151	.00129	.00422	.00385
%RSD	.23982	.08536	.67096	.24231	.83252	.76204
#1	1.0353	1.7941	2.2384	.53051	.50349	.50304
#2	1.0388	1.7920	2.2598	.53233	.50946	.50849
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**2823.3**	**43055.**	**5011.6**
Stddev	4.8	207.	17.6
%RSD	.17152	.48055	.35182
#1	2819.9	43201.	4999.1
#2	2826.7	42909.	5024.1

Sample Name: 280-28158-d-1-c msd Acquired: 5/1/2012 15:49:38 Type: Unk
Method: 6500_025(v2) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 117234 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.05429**	**1.7930**	**1.1098**	**1.0547**	**2.0348**	**.04847**	F **2.1374**	W **612.19**	**.10607**	**.48067**
Stddev	.00080	.0004	.0031	.0018	.0025	.00006	.0009	3.19	.00043	.00123
%RSD	1.4695	.02431	.27621	.17006	.12432	.11902	.04222	.52102	.40510	.25585
#1	.05372	1.7933	1.1076	1.0559	2.0330	.04843	2.1381	609.93	.10637	.48154
#2	.05485	1.7927	1.1119	1.0534	2.0365	.04851	2.1368	614.44	.10577	.47980
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Warn	Chk Pass	Chk Pass
High Limit							.10000	500.00		
Low Limit							-.10000	-.05000		

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.20148**	**.26332**	**.99865**	**65.252**	**1.1515**	**136.92**	**.50374**	**1.0327**	**467.64**	**.47796**
Stddev	.00003	.00123	.00368	.204	.0015	.40	.00193	.0027	.93	.00204
%RSD	.01628	.46786	.36842	.31207	.13021	.29565	.38275	.25771	.19868	.42754
#1	.20146	.26244	.99605	65.108	1.1505	136.64	.50237	1.0346	466.98	.47940
#2	.20150	.26419	1.0013	65.396	1.1526	137.21	.50510	1.0308	468.30	.47651
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **10.803**	**.47291**	F **663.19**	**.51451**	**2.3829**	**23.063**	**49.356**	**1.9628**	W **10.760**	**1.0360**
Stddev	.015	.00096	1.46	.00228	.0077	.039	.083	.0010	.083	.0030
%RSD	.13706	.20280	.21947	.44366	.32305	.16821	.16821	.04988	.76991	.28620
#1	10.813	.47358	664.22	.51289	2.3774	23.036	49.297	1.9635	10.818	1.0339
#2	10.793	.47223	662.16	.51612	2.3883	23.091	49.414	1.9621	10.701	1.0381
Check ?	Chk Warn	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass
High Limit	2.0000		200.00						5.0000	
Low Limit	-1.0000		-.20000						-.01000	

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.0262**	**1.7804**	**2.1973**	**.52413**	**.50187**	**.49795**
Stddev	.0030	.0070	.0078	.00160	.00034	.00319
%RSD	.29600	.39620	.35635	.30438	.06683	.64138
#1	1.0241	1.7854	2.1918	.52301	.50211	.49569
#2	1.0283	1.7755	2.2028	.52526	.50163	.50020
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**2805.8**	**43082.**	**5054.8**
Stddev	9.0	217.	32.5
%RSD	.32066	.50343	.64198
#1	2799.5	43236.	5077.8
#2	2812.2	42929.	5031.9

Sample Name: 280-28158-d-2-a Acquired: 5/1/2012 15:52:05 Type: Unk
Method: 6500_025(v2) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 117234 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00028**	**-.00072**	**-.00070**	**.05700**	**.01198**	**-.00002**	**-.00284**	W **579.15**	**.00073**	**-.00004**
Stddev	.00005	.00032	.00156	.00145	.00001	.00008	.00036	11.19	.00001	.00020
%RSD	18.666	44.985	221.21	2.5412	.11587	376.41	12.682	1.9322	2.0495	469.11
#1	.00032	-.00095	-.00180	.05598	.01199	-.00007	-.00259	587.06	.00074	-.00018
#2	.00025	-.00049	.00040	.05802	.01197	.00003	-.00309	571.23	.00072	.00010
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass
High Limit								500.00		
Low Limit								-.05000		

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00054**	**.00130**	**.00149**	**14.055**	**.12072**	**89.814**	**.00050**	**.00261**	**426.20**	**-.00078**
Stddev	.00041	.00036	.00005	.015	.00244	.208	.00001	.00074	.70	.00001
%RSD	74.672	27.374	3.3954	.10518	2.0185	.23197	2.5301	28.190	.16383	1.7461
#1	.00026	.00105	.00145	14.044	.12244	89.667	.00051	.00209	426.70	-.00077
#2	.00083	.00155	.00153	14.065	.11900	89.961	.00049	.00313	425.71	-.00079
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.03758**	**-.00027**	F **672.82**	**-.00096**	**.17741**	**13.032**	**27.887**	**-.00095**	W **9.8342**	**.00028**
Stddev	.00008	.00032	.59	.00272	.00334	.032	.069	.00099	.1711	.00065
%RSD	.22094	119.19	.08738	283.84	1.8816	.24738	.24738	104.07	1.7395	232.29
#1	.03764	-.00004	672.41	-.00288	.17977	13.054	27.936	-.00164	9.9552	-.00018
#2	.03752	-.00050	673.24	.00096	.17505	13.009	27.839	-.00025	9.7133	.00073
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass
High Limit			200.00						5.0000	
Low Limit			-.20000						-.01000	

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00108**	**.00439**	**.02664**	**.00126**	**.00233**	**-.00044**
Stddev	.00020	.00137	.01772	.00015	.00050	.00070
%RSD	18.976	31.204	66.535	11.743	21.635	159.15
#1	.00122	.00342	.03917	.00116	.00269	.00006
#2	.00093	.00535	.01411	.00137	.00198	-.00094
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**2866.6**	**43722.**	**5084.1**
Stddev	7.2	91.	32.1
%RSD	.25141	.20829	.63137
#1	2871.7	43786.	5061.4
#2	2861.5	43657.	5106.8

Sample Name: CCVH-1390999 Acquired: 5/1/2012 15:54:45 Type: QC
Method: 6500_025(v2) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00132**	**50.712**	**-.00249**	**.00392**	**.00067**	**.00011**	**1.0374**	**.03381**	**.00007**	**.00056**	**.00036**	**-.00453**
Stddev	.00052	.174	.00132	.00035	.00007	.00004	.0001	.01241	.00010	.00029	.00001	.00018
%RSD	39.646	.34287	53.067	8.9540	10.230	34.579	.00608	36.708	150.93	50.850	2.1495	4.0442
#1	-.00095	50.589	-.00342	.00416	.00072	.00009	1.0374	.04258	.00000	.00036	.00036	-.00466
#2	-.00169	50.835	-.00155	.00367	.00062	.00014	1.0375	.02503	.00014	.00076	.00037	-.00440
Check ?	None	Chk Pass	None	None	None	None	Chk Pass	None	None	None	None	None
Value												
Range												

Elem	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316	P_1782	Pb2203	S_1820	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**50.577**	**.32831**	**.00237**	**-.02291**	**.00011**	**.00084**	**250.75**	**.00108**	**.00602**	**-.00026**	**5.1595**	**-.00281**
Stddev	.130	.00959	.00005	.00048	.00001	.00027	.56	.00029	.00364	.00080	.0056	.00096
%RSD	.25755	2.9208	2.2554	2.0985	6.2189	32.452	.22394	26.760	60.466	311.55	.10953	34.046
#1	50.485	.33509	.00241	-.02325	.00011	.00065	250.35	.00087	.00345	-.00083	5.1635	-.00213
#2	50.669	.32153	.00233	-.02257	.00012	.00104	251.15	.00128	.00860	.00031	5.1555	-.00349
Check ?	Chk Pass	None	None	None	None	None	Chk Pass	None	None	None	Chk Pass	None
Value												
Range												

Elem	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00455**	**.01666**	**.03565**	**.00264**	**.00078**	**5.2113**	**.00756**	**.00171**	W **10.698**	**-.00432**	**.00173**	**-.04271**
Stddev	.00072	.00221	.00474	.00060	.00011	.0075	.00033	.00088	.006	.00050	.00005	.00030
%RSD	15.864	13.289	13.289	22.879	13.998	.14464	4.3941	51.389	.05668	11.543	2.9919	.70230
#1	.00404	.01822	.03900	.00221	.00086	5.2167	.00779	.00233	10.703	-.00468	.00177	-.04292
#2	.00506	.01509	.03230	.00306	.00070	5.2060	.00732	.00109	10.694	-.00397	.00170	-.04250
Check ?	None	None	None	None	None	Chk Pass	None	None	Chk Warn	None	None	None
Value									10.000			
Range									5.0000%			

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**3106.5**	**46829.**	**5178.6**
Stddev	3.7	131.	18.4
%RSD	.12032	.27973	.35581
#1	3109.2	46922.	5191.7
#2	3103.9	46736.	5165.6

Sample Name: CCV-1390955 Acquired: 5/1/2012 15:57:06 Type: QC
Method: 6500_025(v2) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599	K_7664
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.51070**	**.49647**	**1.0117**	**.48923**	**.49966**	**.47584**	**.00107**	**4.8522**	**.50828**	**.50518**	**.50902**	**.51836**	**2.4932**	**49.242**
Stddev	.00278	.00020	.0018	.00191	.00163	.00216	.00133	.0084	.00014	.00134	.00175	.00362	.0009	.198
%RSD	.54426	.04090	.17625	.39003	.32523	.45415	123.72	.17251	.02721	.26516	.34331	.69889	.03547	.40123
#1	.51266	.49662	1.0130	.49058	.50081	.47737	.00013	4.8581	.50838	.50613	.51026	.52092	2.4938	49.382
#2	.50873	.49633	1.0104	.48788	.49851	.47431	.00201	4.8463	.50819	.50424	.50779	.51580	2.4926	49.103
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value														
Range														

Elem	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.97802**	**19.842**	**.50877**	**.50712**	**5.1886**	**.50506**	**.95260**	**1.0390**	**.03246**	**.98491**	**1.0140**	**4.8188**	**10.312**	**1.0168**
Stddev	.00266	.073	.00148	.00105	.0445	.00030	.00689	.0028	.00171	.00421	.0050	.0237	.051	.0032
%RSD	.27196	.36625	.29111	.20788	.85745	.05959	.72340	.26633	5.2532	.42700	.49498	.49194	.49194	.31865
#1	.97990	19.894	.50981	.50787	5.2201	.50527	.95747	1.0410	.03367	.98788	1.0105	4.8020	10.276	1.0191
#2	.97613	19.791	.50772	.50638	5.1572	.50485	.94772	1.0371	.03125	.98194	1.0176	4.8356	10.348	1.0145
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value														
Range														

Elem	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.49455**	**.00142**	**.50210**	**1.0323**	**.02302**	**.51241**	**.52268**	**.49736**
Stddev	.00109	.00011	.00171	.0027	.03514	.00051	.00203	.00143
%RSD	.22083	7.4848	.34015	.25977	152.66	.09927	.38762	.28687
#1	.49532	.00149	.50331	1.0304	-.00183	.51205	.52411	.49635
#2	.49378	.00134	.50089	1.0342	.04786	.51277	.52125	.49837
Check ?	Chk Pass	None	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value								
Range								

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**3183.9**	**48334.**	**5195.0**
Stddev	3.6	81.	1.6
%RSD	.11376	.16703	.03089
#1	3181.3	48277.	5196.1
#2	3186.4	48391.	5193.8

Sample Name: CCB Acquired: 5/1/2012 15:59:18 Type: QC
Method: 6500_025(v2) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00005**	**.00019**	**-.00154**	**.00121**	**.00013**	**.00009**	**-.00235**	**.00597**	**.00002**	**-.00012**	**-.00011**	**-.00098**	**-.00009**
Stddev	.00014	.00042	.00160	.00042	.00025	.00008	.00222	.00020	.00022	.00018	.00009	.00010	.00129
%RSD	302.65	215.48	104.12	34.527	195.09	83.055	94.273	3.4306	1260.1	150.61	87.372	10.184	1430.4
#1	-.00015	-.00010	-.00267	.00092	-.00005	.00004	-.00392	.00583	-.00014	-.00025	-.00004	-.00105	-.00100
#2	.00005	.00049	-.00041	.00151	.00030	.00015	-.00078	.00612	.00017	.00001	-.00017	-.00091	.00082
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit													
Low Limit													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.09675**	**.00169**	**.00132**	**.00009**	**.00099**	F **.31058**	**-.00049**	**.00147**	**-.00223**	**.04388**	**.00052**	**.00324**	**.00077**
Stddev	.00669	.00066	.00086	.00004	.00086	.00815	.00010	.00205	.00028	.00224	.00029	.00313	.00093
%RSD	6.9179	38.826	65.504	49.442	87.180	2.6241	19.311	139.15	12.755	5.1101	55.999	96.696	120.67
#1	.09202	.00123	.00193	.00006	.00038	.31634	-.00056	.00292	-.00203	.04229	.00032	.00102	.00011
#2	.10149	.00215	.00071	.00012	.00160	.30482	-.00043	.00002	-.00243	.04546	.00073	.00545	.00142
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						.18320							
Low Limit						-.18320							

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00164**	**.00129**	**.00002**	**.00057**	**-.00001**	**.00029**	**.03141**	**-.00061**	**.00209**	**.00002**
Stddev	.00198	.00047	.00009	.00113	.00000	.00042	.04349	.00027	.00049	.00042
%RSD	120.67	36.700	489.06	198.04	20.194	146.61	138.47	43.678	23.508	1699.6
#1	.00024	.00163	.00008	-.00023	-.00001	-.00001	.06217	-.00042	.00174	-.00027
#2	.00304	.00096	-.00004	.00137	-.00001	.00058	.00066	-.00080	.00244	.00032
Check ?	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**3163.3**	**48807.**	**5118.5**
Stddev	4.5	3.	38.4
%RSD	.14272	.00513	.75056
#1	3166.5	48805.	5145.7
#2	3160.1	48808.	5091.3

Sample Name: CCVL1390952 Acquired: 5/1/2012 16:01:43 Type: QC
Method: 6500_025(v2) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01131**	**.10817**	F **.01015**	**.10168**	**.01050**	**.00101**	**.12023**	**.20352**	**.00546**	**.01076**	**.01098**	**.01555**	**.10195**
Stddev	.00103	.00018	.00603	.00034	.00049	.00002	.00202	.00114	.00028	.00002	.00031	.00084	.00303
%RSD	9.1038	.16781	59.404	.33229	4.6201	1.8898	1.6775	.56180	5.1697	.17363	2.8600	5.4264	2.9699
#1	.01058	.10829	.01441	.10144	.01084	.00100	.12166	.20271	.00526	.01078	.01120	.01495	.09981
#2	.01203	.10804	.00589	.10192	.01015	.00103	.11881	.20433	.00566	.01075	.01076	.01615	.10409
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value			.01500										
Range			-30.000%										

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**3.2250**	**.01153**	**.21874**	**.01088**	**.02093**	F **1.3160**	**.04304**	**2.9287**	**.00884**	**.02515**	**.00799**	**.01753**	**.51172**
Stddev	.0429	.00267	.00214	.00014	.00012	.0098	.00007	.0077	.00035	.00325	.00259	.00463	.00412
%RSD	1.3308	23.158	.97984	1.2595	.56242	.74538	.17346	.26395	3.9692	12.927	32.394	26.440	.80483
#1	3.2554	.00964	.21723	.01079	.02085	1.3229	.04309	2.9232	.00859	.02285	.00616	.01425	.50881
#2	3.1947	.01342	.22026	.01098	.02101	1.3091	.04299	2.9341	.00909	.02745	.00982	.02080	.51463
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value						1.0000							
Range						30.000%							

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.0951**	**.10915**	**.01038**	**.01713**	**.01047**	F **.02012**	**.06971**	**.01014**	**.02413**	**.01411**
Stddev	.0088	.00058	.00003	.00055	.00029	.00097	.00189	.00018	.00016	.00078
%RSD	.80483	.53528	.27623	3.2312	2.7458	4.8075	2.7164	1.7981	.64395	5.5262
#1	1.0888	.10874	.01036	.01674	.01027	.01943	.06837	.01002	.02424	.01466
#2	1.1013	.10957	.01040	.01752	.01067	.02080	.07104	.01027	.02402	.01356
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						.01500				
Range						30.000%				

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**3234.6**	**49723.**	**5201.6**
Stddev	13.0	439.	10.0
%RSD	.40120	.88271	.19244
#1	3243.7	50033.	5194.5
#2	3225.4	49412.	5208.7

Sample Name: mb 280-117356/1-a Acquired: 5/1/2012 16:04:07 Type: Unk
Method: 6500_025(v2) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 117356 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00003**	**.00089**	**-.00369**	**.00073**	**.00014**	**.00006**	**-.00145**	**.00829**	**.00027**	**-.00020**
Stddev	.00042	.00019	.00174	.00017	.00036	.00000	.00238	.00009	.00015	.00022
%RSD	1387.4	20.913	47.092	23.654	254.31	5.7697	163.90	1.0329	55.687	114.14
#1	-.00033	.00076	-.00246	.00086	.00039	.00007	-.00313	.00823	.00037	-.00036
#2	.00027	.00103	-.00491	.00061	-.00011	.00006	.00023	.00835	.00016	-.00004
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00011**	**-.00114**	**.00575**	**.07416**	**.00031**	**.00069**	**.00010**	**.00012**	**.25640**	**-.00045**
Stddev	.00037	.00008	.00258	.01681	.00158	.00181	.00002	.00013	.00680	.00017
%RSD	339.00	7.3618	44.973	22.673	509.31	260.45	19.296	113.22	2.6530	38.843
#1	-.00037	-.00120	.00392	.08605	-.00081	-.00058	.00009	.00021	.26121	-.00032
#2	.00015	-.00109	.00757	.06227	.00143	.00197	.00011	.00002	.25159	-.00057
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00006**	**.00033**	F **.03907**	**-.00140**	**-.00027**	F **-.01528**	**-.03270**	**.00002**	**.00007**	**.00046**
Stddev	.00018	.00064	.00328	.00122	.00207	.00216	.00461	.00033	.00006	.00027
%RSD	292.79	194.09	8.3993	87.211	761.28	14.107	14.107	1338.2	86.026	58.206
#1	-.00007	-.00012	.04139	-.00054	-.00173	-.01376	-.02944	.00026	.00011	.00065
#2	.00019	.00078	.03675	-.00226	.00119	-.01680	-.03596	-.00021	.00003	.00027
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Fail	None	Chk Pass	Chk Pass	Chk Pass
High Limit			.01000			.01000				
Low Limit			-.01000			-.01000				

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00005**	**-.00195**	**.04401**	**-.00055**	**.00193**	**-.00056**
Stddev	.00012	.00094	.00593	.00010	.00000	.00042
%RSD	246.15	48.458	13.477	19.174	.16184	75.813
#1	.00013	-.00262	.04820	-.00047	.00194	-.00086
#2	-.00004	-.00128	.03981	-.00062	.00193	-.00026
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**3229.0**	**49884.**	**5233.4**
Stddev	.5	297.	6.3
%RSD	.01652	.59480	.12082
#1	3228.6	50094.	5237.8
#2	3229.3	49675.	5228.9

Sample Name: lcs 280-117356/2-a Acquired: 5/1/2012 16:06:33 Type: Unk
Method: 6500_025(v2) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 117356 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.05164**	**1.9046**	**1.0456**	**.99097**	**2.0041**	**.04888**	**2.1519**	**48.367**	**.10220**	**.49955**
Stddev	.00012	.0044	.0050	.00421	.0144	.00019	.0098	.399	.00009	.00147
%RSD	.23217	.23275	.47424	.42517	.71649	.39347	.45454	.82506	.08910	.29405
#1	.05155	1.9015	1.0421	.98799	2.0143	.04902	2.1450	48.650	.10226	.49851
#2	.05172	1.9078	1.0491	.99395	1.9940	.04875	2.1588	48.085	.10213	.50059
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.20473**	**.26183**	**.99484**	**49.760**	**.99519**	**49.908**	**.51666**	**1.0329**	**51.572**	**.50045**
Stddev	.00069	.00088	.01055	.319	.00858	.092	.00093	.0020	.104	.00097
%RSD	.33699	.33563	1.0604	.64069	.86264	.18382	.17934	.19351	.20130	.19402
#1	.20424	.26120	1.0023	49.986	1.0013	49.973	.51732	1.0315	51.646	.49976
#2	.20522	.26245	.98738	49.535	.98912	49.844	.51601	1.0343	51.499	.50113
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**9.9436**	**.50785**	**.04714**	**.49007**	**2.0577**	**9.8509**	F **21.081**	**2.0294**	**1.0051**	**1.0495**
Stddev	.0175	.00182	.00532	.00216	.0089	.0792	.169	.0019	.0072	.0035
%RSD	.17617	.35901	11.294	.44091	.42986	.80384	.80384	.09153	.71982	.33710
#1	9.9312	.50656	.04337	.49160	2.0515	9.9069	21.201	2.0307	1.0102	1.0520
#2	9.9560	.50914	.05090	.48855	2.0640	9.7950	20.961	2.0281	1.0000	1.0470
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit							24.610			
Low Limit							20.100			

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.0240**	**2.0210**	**2.2378**	**.52392**	**.51797**	**.49610**
Stddev	.0009	.0015	.0207	.00061	.00114	.00186
%RSD	.08651	.07671	.92444	.11652	.22020	.37492
#1	1.0234	2.0221	2.2232	.52348	.51877	.49742
#2	1.0247	2.0199	2.2525	.52435	.51716	.49479
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**3098.4**	**47048.**	**5162.9**
Stddev	7.1	169.	19.4
%RSD	.22928	.35892	.37567
#1	3103.5	46928.	5149.1
#2	3093.4	47167.	5176.6

Sample Name: 280-28188-a-13-a Acquired: 5/1/2012 16:08:43 Type: Unk
Method: 6500_025(v2) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 117356 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00002**	**.00972**	**-.00332**	**2.3018**	**.04015**	**.00009**	**-.00415**	**28.566**	**.00030**	**-.00036**
Stddev	.00035	.00010	.00127	.0002	.00017	.00005	.00037	.061	.00012	.00026
%RSD	2036.2	1.0533	38.127	.00946	.41207	51.762	8.8391	.21198	39.176	72.648
#1	-.00023	.00965	-.00243	2.3019	.04026	.00006	-.00441	28.523	.00038	-.00054
#2	.00026	.00980	-.00422	2.3016	.04003	.00013	-.00389	28.608	.00022	-.00017
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00006**	**.00076**	**.42442**	**7.4211**	**.04044**	**12.652**	**.00645**	**.00330**	**321.13**	**-.00014**
Stddev	.00010	.00012	.00324	.0197	.00350	.019	.00004	.00070	.73	.00054
%RSD	160.53	16.076	.76313	.26527	8.6467	.15093	.55418	21.359	.22650	375.32
#1	-.00014	.00085	.42213	7.4350	.03797	12.665	.00642	.00280	320.61	.00024
#2	.00001	.00068	.42671	7.4072	.04291	12.638	.00647	.00380	321.64	-.00053
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.06557**	**.00066**	**54.610**	**.00010**	**.00522**	**6.5764**	**14.074**	**.00058**	**2.3590**	**.00007**
Stddev	.00078	.00144	.234	.00070	.00508	.0244	.052	.00122	.0049	.00029
%RSD	1.1972	219.26	.42763	681.04	97.419	.37047	.37047	210.06	.20567	405.43
#1	.06612	.00167	54.775	.00060	.00162	6.5937	14.110	.00144	2.3556	-.00013
#2	.06501	-.00036	54.445	-.00039	.00881	6.5592	14.037	-.00028	2.3624	.00027
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00048**	**.00183**	**.01553**	**-.00036**	**.00280**	**-.00027**
Stddev	.00003	.00087	.00780	.00019	.00011	.00145
%RSD	7.0293	47.470	50.247	52.750	3.8246	540.66
#1	.00050	.00122	.02105	-.00023	.00288	-.00129
#2	.00045	.00245	.01001	-.00050	.00272	.00076
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**3016.2**	**45538.**	**5161.9**
Stddev	8.8	11.	1.4
%RSD	.29160	.02429	.02782
#1	3010.0	45530.	5160.9
#2	3022.4	45546.	5162.9

Sample Name: 280-28188-a-13-aSD@5 Acquired: 5/1/2012 16:11:08 Type: Unk
Method: 6500_025(v2) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 117356 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00051**	**.00259**	**-.00369**	**.49529**	**.00871**	**.00008**	**.00173**	**6.1254**	**.00023**	**-.00009**
Stddev	.00002	.00045	.00117	.00077	.00020	.00005	.00380	.0206	.00003	.00012
%RSD	3.2002	17.518	31.803	.15555	2.3355	59.032	220.32	.33680	11.926	134.55
#1	.00052	.00291	-.00286	.49584	.00885	.00005	.00441	6.1108	.00025	.00000
#2	.00050	.00227	-.00452	.49475	.00856	.00012	-.00096	6.1400	.00021	-.00017
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00015**	**-.00055**	**.09522**	**1.6124**	**.01067**	**2.7034**	**.00155**	**.00036**	**68.794**	**-.00035**
Stddev	.00031	.00002	.00014	.0294	.00046	.0088	.00003	.00032	.257	.00010
%RSD	206.67	4.2249	.15119	1.8250	4.2895	.32560	1.8622	89.706	.37365	28.174
#1	-.00007	-.00054	.09512	1.6332	.01100	2.6971	.00157	.00013	68.612	-.00028
#2	.00037	-.00057	.09532	1.5916	.01035	2.7096	.00153	.00059	68.976	-.00042
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01343**	**-.00035**	**11.217**	**-.00264**	**.00412**	**1.3832**	**2.9600**	**.00006**	**.49762**	**.00002**
Stddev	.00106	.00050	.010	.00031	.00449	.0054	.0115	.00062	.00071	.00120
%RSD	7.9181	143.27	.09099	11.591	109.00	.38866	.38866	1120.0	.14202	5341.6
#1	.01268	-.00070	11.224	-.00243	.00730	1.3870	2.9682	.00049	.49712	-.00083
#2	.01418	.00000	11.210	-.00286	.00094	1.3794	2.9519	-.00038	.49812	.00087
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00010**	**.00211**	**.00780**	**-.00080**	**.00640**	**.00037**
Stddev	.00029	.00085	.01587	.00002	.00019	.00151
%RSD	282.10	40.156	203.34	2.3355	2.9688	408.13
#1	-.00010	.00271	.01903	-.00078	.00653	.00143
#2	.00031	.00151	-.00342	-.00081	.00626	-.00070
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**3136.8**	**48222.**	**5148.8**
Stddev	.1	125.	13.5
%RSD	.00164	.25877	.26133
#1	3136.8	48311.	5158.4
#2	3136.7	48134.	5139.3

Sample Name: 280-28188-a-13-b ms Acquired: 5/1/2012 16:13:30 Type: Unk
Method: 6500_025(v2) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 117356 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.05250**	**1.8888**	**1.0728**	**3.2915**	**2.0654**	**.04976**	F **2.1113**	**78.601**	**.10322**	**.49581**
Stddev	.00030	.0045	.0001	.0117	.0040	.00013	.0096	.099	.00033	.00152
%RSD	.57538	.23869	.01031	.35584	.19340	.26079	.45258	.12572	.32199	.30733
#1	.05229	1.8856	1.0727	3.2833	2.0682	.04985	2.1045	78.670	.10299	.49474
#2	.05271	1.8920	1.0728	3.2998	2.0626	.04967	2.1180	78.531	.10346	.49689
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit							.10000			
Low Limit							-.10000			

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.20433**	**.25806**	**1.4643**	**58.445**	**1.0513**	**60.915**	**.51453**	**1.0416**	**379.54**	**.49670**
Stddev	.00136	.00106	.0034	.028	.0007	.115	.00149	.0038	1.06	.00040
%RSD	.66369	.41091	.22974	.04736	.06662	.18804	.28882	.36473	.27884	.08098
#1	.20337	.25731	1.4619	58.465	1.0508	60.834	.51348	1.0389	380.29	.49642
#2	.20529	.25881	1.4667	58.426	1.0518	60.996	.51559	1.0443	378.79	.49699
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **10.382**	**.49012**	**55.250**	**.49865**	**2.0868**	**16.848**	**36.054**	W **2.0186**	**3.4182**	**1.0448**
Stddev	.007	.00243	.073	.00333	.0016	.108	.230	.0054	.0037	.0001
%RSD	.06414	.49498	.13284	.66748	.07865	.63821	.63821	.26937	.10865	.01450
#1	10.377	.49183	55.198	.49629	2.0857	16.772	35.891	2.0147	3.4209	1.0447
#2	10.387	.48840	55.302	.50100	2.0880	16.924	36.217	2.0224	3.4156	1.0449
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass
High Limit	2.0000							2.0000		
Low Limit	-1.0000							-.05000		

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.0266**	**1.8855**	**2.1535**	**.52623**	**.52070**	**.50119**
Stddev	.0045	.0052	.0159	.00245	.00051	.00039
%RSD	.43544	.27731	.73887	.46523	.09749	.07781
#1	1.0235	1.8818	2.1423	.52450	.52105	.50092
#2	1.0298	1.8892	2.1648	.52796	.52034	.50147
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**2963.5**	**45455.**	**5064.2**
Stddev	.3	59.	16.9
%RSD	.01082	.13022	.33416
#1	2963.3	45414.	5052.2
#2	2963.8	45497.	5076.1

Sample Name: 280-28188-a-13-c msd Acquired: 5/1/2012 16:15:45 Type: Unk
Method: 6500_025(v2) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 117356 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.05324**	**1.8735**	**1.0727**	**3.2855**	**2.0757**	**.04941**	F **2.0988**	**78.232**	**.10291**	**.49480**
Stddev	.00096	.0034	.0117	.0033	.0131	.00046	.0025	.559	.00023	.00086
%RSD	1.8070	.18118	1.0883	.09936	.62869	.92847	.11764	.71488	.21901	.17293
#1	.05256	1.8711	1.0644	3.2832	2.0665	.04908	2.0971	77.836	.10306	.49540
#2	.05392	1.8759	1.0809	3.2878	2.0849	.04973	2.1005	78.627	.10275	.49419
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit							.10000			
Low Limit							-.10000			

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.20446**	**.26279**	**1.4473**	**59.009**	**1.0434**	**61.967**	**.52439**	**1.0484**	**382.42**	**.49299**
Stddev	.00028	.00135	.0140	.598	.0076	.175	.00157	.0009	2.74	.00109
%RSD	.13676	.51344	.96830	1.0139	.72956	.28234	.29998	.08691	.71695	.22028
#1	.20466	.26184	1.4374	58.586	1.0380	61.843	.52328	1.0490	380.48	.49375
#2	.20427	.26375	1.4572	59.432	1.0488	62.090	.52551	1.0478	384.36	.49222
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **10.281**	**.49091**	**55.282**	**.49220**	**2.0783**	**16.909**	**36.185**	W **2.0184**	**3.4612**	**1.0577**
Stddev	.005	.00029	.009	.00166	.0076	.191	.408	.0063	.0240	.0080
%RSD	.05313	.05852	.01574	.33700	.36591	1.1269	1.1269	.31276	.69467	.75292
#1	10.285	.49112	55.275	.49103	2.0837	16.774	35.897	2.0228	3.4442	1.0520
#2	10.278	.49071	55.288	.49338	2.0729	17.044	36.473	2.0139	3.4782	1.0633
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass
High Limit	2.0000							2.0000		
Low Limit	-1.0000							-.05000		

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.0363**	**1.8801**	**2.1744**	**.52807**	**.52916**	**.50865**
Stddev	.0029	.0009	.0198	.00206	.00011	.00412
%RSD	.28412	.04986	.90877	.39101	.02083	.81039
#1	1.0342	1.8794	2.1884	.52661	.52924	.50573
#2	1.0384	1.8808	2.1605	.52953	.52908	.51156
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**2965.6**	**44862.**	**5069.0**
Stddev	1.8	98.	46.3
%RSD	.06236	.21816	.91311
#1	2964.3	44931.	5101.7
#2	2966.9	44793.	5036.3

Sample Name: 280-28188-a-14-a Acquired: 5/1/2012 16:18:00 Type: Unk
Method: 6500_025(v2) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 117536 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00067**	**.05662**	**-.00286**	**1.7662**	**.02132**	**.00010**	**-.00274**	**76.388**	**.00067**	**-.00025**
Stddev	.00018	.00070	.00078	.0000	.00041	.00001	.00276	.324	.00016	.00007
%RSD	26.451	1.2398	27.276	.00185	1.9084	6.7952	100.84	.42357	23.125	29.785
#1	.00080	.05612	-.00341	1.7662	.02161	.00010	-.00079	76.617	.00056	-.00030
#2	.00054	.05711	-.00231	1.7662	.02103	.00009	-.00470	76.159	.00078	-.00019
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00020**	**.00062**	**.03583**	**7.8339**	**.04797**	**26.647**	**.00550**	**.00730**	**203.63**	**.00017**
Stddev	.00005	.00035	.00071	.0159	.00021	.177	.00004	.00052	.83	.00041
%RSD	25.407	56.701	1.9689	.20350	.43552	.66599	.81484	7.1482	.40658	243.58
#1	.00017	.00087	.03633	7.8226	.04783	26.521	.00547	.00693	204.22	-.00012
#2	.00024	.00037	.03533	7.8452	.04812	26.772	.00554	.00767	203.05	.00046
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.02376**	**.00059**	**111.28**	**-.00033**	**.00469**	**6.8903**	**14.745**	**.00012**	**4.9012**	**.00134**
Stddev	.00051	.00050	.25	.00061	.00097	.0670	.143	.00117	.0084	.00015
%RSD	2.1561	86.208	.22639	183.81	20.760	.97313	.97313	958.31	.17207	11.121
#1	.02339	.00094	111.46	-.00077	.00538	6.9377	14.847	-.00071	4.9071	.00123
#2	.02412	.00023	111.10	.00010	.00400	6.8429	14.644	.00095	4.8952	.00144
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00181**	**.00117**	**.03987**	**.00022**	**.00506**	**-.00101**
Stddev	.00004	.00158	.00340	.00073	.00029	.00089
%RSD	2.1875	135.58	8.5395	328.44	5.6589	87.849
#1	.00178	.00229	.04228	.00074	.00486	-.00164
#2	.00184	.00005	.03746	-.00030	.00526	-.00038
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**3039.3**	**46327.**	**5096.6**
Stddev	15.2	278.	15.0
%RSD	.49993	.60086	.29457
#1	3050.0	46524.	5107.2
#2	3028.5	46130.	5086.0

Sample Name: CCVH-1390999 Acquired: 5/1/2012 16:20:22 Type: QC
Method: 6500_025(v2) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00118**	**50.344**	**-.00379**	**.00827**	**.00056**	**.00007**	**1.0314**	**.02814**	**.00005**	**.00033**	**.00030**	**-.00437**
Stddev	.00042	.118	.00417	.00010	.00005	.00003	.0045	.00384	.00026	.00011	.00016	.00043
%RSD	35.450	.23398	110.11	1.2231	8.0748	39.620	.43275	13.633	532.81	32.195	53.547	9.8209
#1	-.00088	50.260	-.00674	.00820	.00059	.00009	1.0346	.03086	-.00014	.00041	.00041	-.00467
#2	-.00147	50.427	-.00084	.00834	.00053	.00005	1.0282	.02543	.00024	.00026	.00019	-.00407
Check ?	None	Chk Pass	None	None	None	None	Chk Pass	None	None	None	None	None
Value												
Range												

Elem	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316	P_1782	Pb2203	S_1820	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**50.359**	**.24732**	**.00238**	**-.02098**	**.00008**	**.00088**	**248.28**	**.00115**	**.00102**	**.00082**	**5.1060**	**-.00265**
Stddev	.095	.01089	.00002	.00129	.00001	.00094	1.14	.00059	.00045	.00144	.0259	.00015
%RSD	.18932	4.4041	.73724	6.1422	10.462	107.27	.45846	51.093	44.224	176.62	.50812	5.7045
#1	50.292	.23962	.00236	-.02007	.00008	.00155	247.47	.00073	.00134	-.00020	5.1243	-.00276
#2	50.427	.25502	.00239	-.02189	.00007	.00021	249.08	.00157	.00070	.00183	5.0876	-.00254
Check ?	Chk Pass	None	None	None	None	None	Chk Pass	None	None	None	Chk Pass	None
Value												
Range												

Elem	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00613**	**-.00865**	**-.01851**	**.00225**	**.00182**	**5.1772**	**.00754**	**.00174**	W **10.565**	**-.00396**	**.00153**	**-.04585**
Stddev	.00303	.00584	.01250	.00019	.00012	.0370	.00004	.00073	.017	.00002	.00008	.00576
%RSD	49.384	67.555	67.555	8.4478	6.3410	.71494	.47025	41.657	.16044	.45722	4.9653	12.572
#1	.00399	-.01278	-.02734	.00211	.00190	5.1510	.00756	.00226	10.553	-.00398	.00158	-.04178
#2	.00827	-.00452	-.00967	.00238	.00174	5.2033	.00751	.00123	10.577	-.00395	.00147	-.04993
Check ?	None	None	None	None	None	Chk Pass	None	None	Chk Warn	None	None	None
Value									10.000			
Range									5.0000%			

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**3089.3**	**46611.**	**5083.9**
Stddev	1.9	363.	13.5
%RSD	.06234	.77939	.26580
#1	3087.9	46867.	5074.3
#2	3090.7	46354.	5093.4

Sample Name: CCV-1390955 Acquired: 5/1/2012 16:22:42 Type: QC
Method: 6500_025(v2) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.51185**	**.50680**	**1.0221**	**.49810**	**.50626**	**.48424**	**-.00029**	**4.9334**	**.51167**	**.51113**	**.51439**	**.51903**	**2.5383**
Stddev	.00059	.00129	.0022	.00454	.00166	.00114	.00005	.0143	.00168	.00072	.00049	.00007	.0115
%RSD	.11542	.25451	.21231	.91129	.32798	.23446	17.562	.29065	.32748	.14040	.09444	.01399	.45347
#1	.51143	.50771	1.0236	.49489	.50743	.48504	-.00025	4.9435	.51049	.51062	.51405	.51908	2.5465
#2	.51227	.50588	1.0206	.50131	.50508	.48344	-.00033	4.9232	.51286	.51164	.51474	.51898	2.5302
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**49.736**	**.98927**	**20.070**	**.51229**	**.51220**	**5.2436**	**.51204**	**.97224**	**1.0534**	**.02378**	**.99312**	**1.0264**	**4.9112**
Stddev	.132	.00068	.001	.00022	.00074	.0281	.00166	.00437	.0006	.00453	.00650	.0038	.0380
%RSD	.26474	.06831	.00467	.04346	.14428	.53589	.32450	.44957	.06149	19.053	.65447	.36593	.77411
#1	49.829	.98975	20.069	.51213	.51167	5.2635	.51086	.96915	1.0530	.02058	.98852	1.0238	4.8843
#2	49.642	.98879	20.070	.51245	.51272	5.2237	.51321	.97533	1.0539	.02699	.99771	1.0291	4.9381
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**10.510**	**1.0264**	**.50003**	**.00068**	**.50445**	**1.0441**	**.00627**	**.51488**	**.52204**	**.50548**
Stddev	.081	.0009	.00093	.00037	.00006	.0009	.00275	.00106	.00384	.00364
%RSD	.77411	.08507	.18628	53.585	.01271	.08590	43.957	.20498	.73540	.72092
#1	10.452	1.0258	.50068	.00094	.50441	1.0448	.00432	.51413	.51932	.50805
#2	10.567	1.0270	.49937	.00042	.50450	1.0435	.00821	.51562	.52475	.50290
Check ?	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value										
Range										

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**3155.8**	**48087.**	**5100.5**
Stddev	.5	174.	19.1
%RSD	.01579	.36211	.37392
#1	3156.2	48210.	5114.0
#2	3155.5	47964.	5087.0

Sample Name: CCB Acquired: 5/1/2012 16:24:54 Type: QC
Method: 6500_025(v2) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00009**	**.00020**	W **-.00587**	**.00295**	**.00054**	**.00022**	**-.00106**	**.00161**	**.00014**	**-.00009**	**-.00016**
Stddev	.00037	.00036	.00017	.00066	.00011	.00010	.00117	.00229	.00011	.00021	.00004
%RSD	431.39	176.32	2.8592	22.528	20.673	43.286	110.26	142.26	75.360	236.69	28.745
#1	-.00018	.00046	-.00576	.00342	.00061	.00016	-.00023	.00323	.00021	.00006	-.00012
#2	.00035	-.00005	-.00599	.00248	.00046	.00029	-.00188	-.00001	.00007	-.00023	-.00019
Check ?	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit			.00441								
Low Limit			-.00441								

Elem	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00103**	**.00091**	**.10525**	W **.00276**	**.00315**	**.00015**	**.00120**	F **.24084**	**.00003**	**.00003**	**.00037**
Stddev	.00001	.00121	.04189	.00054	.00285	.00004	.00018	.00638	.00000	.00073	.00057
%RSD	1.4340	132.85	39.795	19.462	90.491	26.419	14.820	2.6476	9.5092	2791.2	156.04
#1	-.00104	.00006	.13487	.00238	.00516	.00012	.00108	.24535	.00003	.00054	.00077
#2	-.00102	.00176	.07563	.00314	.00113	.00018	.00133	.23633	.00003	-.00049	-.00004
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit				.00261				.18320			
Low Limit				-.00261				-.18320			

Elem	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.03098**	W **.00360**	**.00356**	**-.00986**	**-.02110**	**.00124**	**.00025**	**.00009**	**.00054**	**-.00048**	**.01390**
Stddev	.00237	.00078	.00053	.01549	.03315	.00055	.00004	.00032	.00027	.00022	.03346
%RSD	7.6578	21.737	14.819	157.15	157.15	44.741	14.155	365.97	49.383	45.078	240.62
#1	.02930	.00305	.00393	.00110	.00235	.00163	.00022	-.00014	.00073	-.00033	.03756
#2	.03265	.00416	.00318	-.02081	-.04454	.00085	.00028	.00031	.00035	-.00064	-.00975
Check ?	Chk Pass	Chk Warn	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit		.00314									
Low Limit		-.00314									

Elem	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm
Avg	**-.00011**	**.00245**	**-.00073**
Stddev	.00003	.00073	.00038
%RSD	27.627	29.916	52.320
#1	-.00009	.00193	-.00046
#2	-.00014	.00296	-.00100
Check ?	Chk Pass	Chk Pass	Chk Pass
High Limit			
Low Limit			

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**3142.4**	**48268.**	**5037.3**
Stddev	11.1	92.	9.2
%RSD	.35384	.19119	.18230
#1	3134.5	48203.	5043.8
#2	3150.2	48334.	5030.8

Sample Name: CCVL1390952 Acquired: 5/1/2012 16:27:19 Type: QC
Method: 6500_025(v2) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599	K_7664
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01119**	**.10969**	**.01150**	**.10346**	**.01067**	**.00108**	**.11904**	**.20254**	**.00529**	**.01099**	**.01065**	**.01558**	**.10168**	**3.1963**
Stddev	.00010	.00121	.00027	.00024	.00018	.00007	.00195	.00126	.00002	.00000	.00026	.00009	.00140	.0033
%RSD	.90940	1.1029	2.3567	.23512	1.7025	6.8029	1.6341	.62135	.31166	.02038	2.4068	.60298	1.3811	.10228
#1	.01126	.11054	.01169	.10329	.01054	.00102	.12042	.20343	.00530	.01099	.01084	.01565	.10267	3.1940
#2	.01112	.10883	.01131	.10363	.01079	.00113	.11767	.20165	.00528	.01100	.01047	.01552	.10069	3.1986
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value														
Range														

Elem	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01181**	**.21616**	**.01086**	**.02120**	**1.2476**	**.04274**	**2.9462**	**.00829**	**.02180**	**.00871**	**.01329**	**.51480**	**1.1017**	**.10905**
Stddev	.00017	.00162	.00001	.00009	.0038	.00022	.0098	.00097	.00203	.00009	.00402	.00172	.0037	.00155
%RSD	1.4272	.74824	.07238	.40145	.30519	.50905	.33360	11.673	9.3123	1.0764	30.232	.33430	.33430	1.4253
#1	.01169	.21730	.01087	.02114	1.2449	.04289	2.9531	.00898	.02036	.00865	.01045	.51602	1.1043	.10795
#2	.01193	.21502	.01085	.02126	1.2503	.04259	2.9392	.00761	.02323	.00878	.01613	.51359	1.0991	.11015
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value														
Range														

Elem	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01038**	**.01670**	**.01026**	**.01862**	**.06268**	**.00979**	**.02404**	**.01412**
Stddev	.00009	.00109	.00009	.00152	.00039	.00003	.00047	.00119
%RSD	.86777	6.5136	.91677	8.1753	.61646	.32044	1.9633	8.4163
#1	.01032	.01593	.01020	.01755	.06296	.00981	.02370	.01496
#2	.01045	.01747	.01033	.01970	.06241	.00977	.02437	.01328
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value								
Range								

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**3252.6**	**50505.**	**5221.6**
Stddev	5.1	24.	36.9
%RSD	.15704	.04738	.70714
#1	3256.2	50488.	5247.7
#2	3249.0	50522.	5195.5

Sample Name: 280-28188-a-15-a Acquired: 5/1/2012 16:29:42 Type: Unk
Method: 6500_025(v2) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 117356 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00043**	**.00518**	**-.00082**	**2.2483**	**.04562**	**.00008**	**.00095**	**30.365**	**.00041**	**-.00039**
Stddev	.00025	.00039	.00145	.0027	.00029	.00000	.00035	.001	.00008	.00016
%RSD	58.578	7.5906	176.35	.11990	.63472	5.5084	36.523	.00230	19.711	41.533
#1	.00025	.00490	.00020	2.2502	.04583	.00007	.00070	30.365	.00035	-.00050
#2	.00060	.00546	-.00184	2.2464	.04542	.00008	.00119	30.364	.00047	-.00027
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00016**	**.00089**	**.65228**	**7.4912**	**.03949**	**13.307**	**.02937**	**.00094**	**308.39**	**.00027**
Stddev	.00013	.00019	.00446	.0727	.00227	.037	.00016	.00010	.17	.00019
%RSD	83.240	20.837	.68449	.97113	5.7563	.27896	.54057	10.622	.05447	68.073
#1	.00025	.00102	.65544	7.5427	.04110	13.280	.02925	.00087	308.27	.00040
#2	.00007	.00076	.64912	7.4398	.03789	13.333	.02948	.00101	308.51	.00014
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.07772**	**-.00020**	**47.869**	**.00062**	**.00629**	**7.3210**	**15.667**	**-.00004**	**2.4589**	**-.00005**
Stddev	.00059	.00131	.019	.00171	.00306	.0080	.017	.00001	.0008	.00369
%RSD	.76358	647.17	.03993	274.66	48.601	.11001	.11001	15.686	.03062	7767.6
#1	.07814	.00072	47.856	.00183	.00845	7.3267	15.679	-.00004	2.4584	-.00266
#2	.07730	-.00113	47.883	-.00059	.00413	7.3153	15.655	-.00005	2.4595	.00256
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00021**	**-.00072**	**.00510**	**-.00030**	**.00343**	**-.00012**
Stddev	.00015	.00090	.00602	.00037	.00049	.00117
%RSD	71.810	125.71	118.20	124.83	14.182	962.31
#1	.00032	-.00008	.00935	-.00003	.00309	.00070
#2	.00011	-.00135	.00084	-.00056	.00378	-.00095
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**3044.0**	**45999.**	**5170.7**
Stddev	4.2	297.	5.6
%RSD	.13838	.64554	.10830
#1	3041.0	46209.	5174.6
#2	3046.9	45789.	5166.7

Sample Name: 280-28188-a-16-a Acquired: 5/1/2012 16:32:06 Type: Unk
Method: 6500_025(v2) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 117356 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00044**	**.00646**	**-.00215**	**1.6434**	**.06822**	**.00004**	**.00070**	**49.545**	**.00038**	**-.00032**
Stddev	.00013	.00052	.00170	.0002	.00028	.00003	.00200	.103	.00007	.00013
%RSD	28.552	8.0300	78.905	.01230	.40940	82.172	284.83	.20732	17.703	40.424
#1	.00035	.00683	-.00335	1.6436	.06842	.00002	-.00071	49.473	.00043	-.00023
#2	.00053	.00610	-.00095	1.6433	.06802	.00006	.00212	49.618	.00033	-.00042
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00010**	**.00105**	**.00909**	**6.1598**	**.03683**	**14.673**	**.00564**	**.00120**	**180.48**	**.00033**
Stddev	.00028	.00034	.00150	.0351	.00052	.015	.00015	.00007	.12	.00013
%RSD	272.78	32.031	16.450	.57014	1.4247	.10374	2.6125	5.4583	.06688	41.123
#1	-.00009	.00129	.00803	6.1846	.03645	14.663	.00554	.00124	180.57	.00042
#2	.00030	.00081	.01015	6.1349	.03720	14.684	.00574	.00115	180.40	.00023
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.04038**	**-.00049**	**11.109**	**-.00125**	**.00445**	**6.8837**	**14.731**	**-.00040**	**2.8242**	**-.00106**
Stddev	.00167	.00118	.025	.00140	.00012	.0214	.046	.00149	.0022	.00147
%RSD	4.1420	243.93	.22303	111.68	2.7398	.31026	.31026	373.94	.07863	138.98
#1	.04157	.00035	11.126	-.00026	.00437	6.8988	14.764	.00065	2.8258	-.00209
#2	.03920	-.00132	11.091	-.00224	.00454	6.8686	14.699	-.00145	2.8226	-.00002
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00078**	**-.00037**	**.02212**	**.00007**	**.00468**	**.00098**
Stddev	.00023	.00116	.01143	.00011	.00060	.00046
%RSD	29.823	314.20	51.683	145.54	12.859	47.492
#1	.00095	.00045	.01403	.00000	.00511	.00065
#2	.00062	-.00118	.03020	.00015	.00425	.00131
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**3076.2**	**46938.**	**5176.5**
Stddev	1.7	31.	1.2
%RSD	.05599	.06649	.02383
#1	3077.4	46960.	5175.7
#2	3075.0	46915.	5177.4

Sample Name: 280-28188-a-17-a Acquired: 5/1/2012 16:34:27 Type: Unk
Method: 6500_025(v2) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 117356 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00050**	**.01267**	**-.00401**	**1.1038**	**.06536**	**.00006**	**-.00175**	**59.076**	**.00046**	**-.00028**
Stddev	.00010	.00060	.00433	.0046	.00023	.00003	.00014	.202	.00004	.00038
%RSD	19.123	4.7397	108.04	.41590	.35503	55.380	7.9461	.34259	8.9374	138.60
#1	.00057	.01309	-.00707	1.1071	.06552	.00009	-.00165	59.219	.00043	-.00001
#2	.00043	.01224	-.00095	1.1006	.06519	.00004	-.00185	58.933	.00049	-.00054
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00023**	**.00228**	**.12227**	**5.9031**	**.03807**	**16.801**	**.01926**	**.00141**	**120.16**	**-.00001**
Stddev	.00012	.00014	.00183	.0589	.00103	.083	.00002	.00018	.36	.00029
%RSD	52.367	6.0145	1.4988	.99793	2.6959	.49150	.08038	12.586	.29959	2210.7
#1	.00032	.00218	.12356	5.8615	.03880	16.742	.01925	.00153	120.42	.00019
#2	.00015	.00237	.12097	5.9448	.03735	16.859	.01927	.00128	119.91	-.00022
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.02311**	**-.00005**	**20.937**	**.00075**	**.00187**	**7.3537**	**15.737**	**-.00011**	**3.2725**	**.00042**
Stddev	.00077	.00176	.055	.00171	.00270	.0150	.032	.00004	.0123	.00079
%RSD	3.3526	3548.7	.26285	228.84	144.49	.20466	.20466	37.599	.37503	189.65
#1	.02257	.00119	20.976	-.00046	-.00004	7.3643	15.760	-.00008	3.2812	.00098
#2	.02366	-.00129	20.898	.00196	.00378	7.3430	15.714	-.00014	3.2638	-.00014
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00061**	**.00177**	**.00951**	**-.00007**	**.00579**	**-.00150**
Stddev	.00030	.00065	.01888	.00021	.00001	.00223
%RSD	49.760	37.024	198.48	304.51	.21410	149.25
#1	.00039	.00223	-.00384	-.00022	.00578	-.00307
#2	.00082	.00131	.02286	.00008	.00580	.00008
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**3087.4**	**47328.**	**5157.4**
Stddev	5.5	289.	37.2
%RSD	.17777	.60996	.72176
#1	3091.3	47533.	5131.0
#2	3083.6	47124.	5183.7

Sample Name: 280-28188-a-18-a Acquired: 5/1/2012 16:36:48 Type: Unk
Method: 6500_025(v2) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 117356 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00047**	**.01163**	**-.00009**	**2.1486**	**.05072**	**.00003**	**-.00226**	**29.025**	**.00027**	**.00047**
Stddev	.00036	.00037	.00092	.0063	.00017	.00000	.00302	.047	.00006	.00024
%RSD	76.928	3.2059	1037.4	.29068	.33720	10.319	133.41	.16324	22.801	50.531
#1	.00072	.01136	.00056	2.1442	.05060	.00003	-.00440	29.058	.00023	.00064
#2	.00021	.01189	-.00074	2.1530	.05084	.00003	-.00013	28.991	.00032	.00030
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00032**	**.00172**	**.55331**	**7.5117**	**.03965**	**12.931**	**.00527**	**.00083**	**314.76**	**.00126**
Stddev	.00011	.00020	.00526	.0503	.00239	.031	.00000	.00004	.39	.00033
%RSD	33.706	11.877	.94994	.66980	6.0197	.23968	.04647	5.1874	.12518	26.173
#1	.00040	.00186	.55703	7.4761	.03796	12.910	.00527	.00080	314.48	.00149
#2	.00025	.00157	.54960	7.5473	.04134	12.953	.00526	.00086	315.04	.00103
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.04298**	**.00024**	**32.589**	**-.00218**	**.00497**	**5.9781**	**12.793**	**.00010**	**2.4881**	**.00003**
Stddev	.00093	.00013	.040	.00097	.00137	.0010	.002	.00003	.0009	.00046
%RSD	2.1582	51.667	.12232	44.519	27.442	.01633	.01633	27.619	.03507	1505.4
#1	.04364	.00016	32.561	-.00286	.00594	5.9774	12.792	.00008	2.4887	.00036
#2	.04233	.00033	32.617	-.00149	.00401	5.9788	12.795	.00012	2.4875	-.00029
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00026**	**-.00131**	**.01501**	**-.00014**	**.00585**	**.00078**
Stddev	.00025	.00136	.01842	.00024	.00028	.00026
%RSD	97.920	104.38	122.71	170.63	4.7561	32.936
#1	.00044	-.00034	.02803	-.00031	.00566	.00097
#2	.00008	-.00227	.00199	.00003	.00605	.00060
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**3039.9**	**45977.**	**5095.7**
Stddev	6.9	180.	8.6
%RSD	.22771	.39172	.16841
#1	3044.8	46104.	5089.6
#2	3035.0	45849.	5101.7

Sample Name: 280-28188-a-19-a Acquired: 5/1/2012 16:39:13 Type: Unk
Method: 6500_025(v2) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 117356 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00046**	**.00862**	**.00276**	**2.2483**	**.03444**	**.00004**	**-.00295**	**40.158**	**.00030**	**.00003**
Stddev	.00094	.00042	.00149	.0061	.00026	.00006	.00310	.076	.00028	.00005
%RSD	202.12	4.8743	54.047	.27220	.74386	145.05	105.07	.18999	94.519	193.38
#1	.00112	.00833	.00381	2.2440	.03426	.00000	-.00515	40.104	.00010	-.00001
#2	-.00020	.00892	.00170	2.2526	.03462	.00008	-.00076	40.212	.00050	.00006
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00036**	**.00086**	**.22731**	**8.3918**	**.04224**	**16.543**	**.00291**	**.00074**	**349.68**	**.00042**
Stddev	.00007	.00030	.00049	.0484	.00023	.013	.00006	.00004	1.24	.00032
%RSD	20.039	35.074	.21558	.57640	.54346	.07802	2.1018	5.9948	.35590	75.961
#1	.00041	.00107	.22766	8.3576	.04241	16.552	.00287	.00077	348.80	.00019
#2	.00031	.00065	.22696	8.4260	.04208	16.534	.00296	.00071	350.56	.00064
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.05062**	**-.00226**	**69.147**	**-.00087**	**.00699**	**6.3784**	**13.650**	**.00034**	**3.0787**	**.00063**
Stddev	.00022	.00024	.147	.00023	.00108	.0269	.058	.00084	.0075	.00015
%RSD	.43814	10.416	.21228	26.430	15.423	.42232	.42232	249.76	.24332	23.454
#1	.05077	-.00209	69.044	-.00071	.00775	6.3593	13.609	-.00026	3.0734	.00053
#2	.05046	-.00242	69.251	-.00104	.00622	6.3974	13.690	.00093	3.0840	.00074
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00045**	**.00150**	**.00743**	**.00016**	**.00330**	**.00030**
Stddev	.00002	.00227	.00088	.00028	.00045	.00179
%RSD	4.4506	151.48	11.778	172.27	13.682	586.25
#1	.00047	.00311	.00805	.00036	.00298	.00157
#2	.00044	-.00011	.00681	-.00004	.00362	-.00096
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**3008.9**	**45916.**	**5160.6**
Stddev	4.7	8.	2.7
%RSD	.15539	.01811	.05196
#1	3012.2	45922.	5158.7
#2	3005.6	45910.	5162.5

Sample Name: 280-28188-a-20-a Acquired: 5/1/2012 16:41:42 Type: Unk
Method: 6500_025(v2) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 117356 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00055**	**.00306**	**-.00279**	**1.9011**	**.01752**	**.00004**	**-.00295**	**172.88**	**.00088**	**-.00005**
Stddev	.00118	.00071	.00374	.0060	.00021	.00006	.00026	.21	.00004	.00025
%RSD	215.57	23.396	134.14	.31598	1.1798	151.94	8.7653	.11885	4.9524	473.75
#1	.00138	.00356	-.00014	1.8969	.01766	.00000	-.00277	173.02	.00091	.00013
#2	-.00029	.00255	-.00543	1.9054	.01737	.00008	-.00314	172.73	.00085	-.00023
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00017**	**.00081**	**.82986**	**11.658**	**.06597**	**66.595**	**.06365**	**.00279**	**240.41**	**.00075**
Stddev	.00016	.00022	.00728	.021	.00183	.027	.00003	.00018	.08	.00021
%RSD	94.441	27.595	.87729	.17957	2.7682	.04086	.04955	6.3464	.03363	28.447
#1	.00028	.00097	.82471	11.643	.06468	66.576	.06362	.00267	240.47	.00090
#2	.00006	.00065	.83501	11.672	.06726	66.615	.06367	.00292	240.36	.00060
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.03079**	**.00100**	F **271.36**	**-.00034**	**.00510**	**8.8139**	**18.862**	**-.00023**	W **10.966**	**.00018**
Stddev	.00210	.00057	.54	.00051	.00040	.0031	.007	.00118	.141	.00281
%RSD	6.8204	56.586	.20021	152.75	7.9350	.03513	.03513	517.05	1.2849	1536.4
#1	.03228	.00140	270.97	-.00070	.00539	8.8161	18.866	.00060	11.066	-.00180
#2	.02931	.00060	271.74	.00003	.00482	8.8117	18.857	-.00106	10.866	.00217
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass
High Limit			200.00						5.0000	
Low Limit			-.20000						-.01000	

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00043**	**.00049**	**-.00939**	**.00034**	**.00393**	**-.00093**
Stddev	.00006	.00025	.00667	.00029	.00023	.00072
%RSD	13.847	51.256	70.996	86.113	5.8284	77.531
#1	.00039	.00067	-.00468	.00054	.00409	-.00042
#2	.00047	.00031	-.01411	.00013	.00377	-.00143
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**2985.1**	**45346.**	**5122.4**
Stddev	6.6	12.	4.9
%RSD	.22065	.02602	.09630
#1	2980.4	45338.	5125.9
#2	2989.7	45355.	5118.9

Sample Name: 280-28188-a-21-a Acquired: 5/1/2012 16:44:09 Type: Unk
Method: 6500_025(v2) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 117356 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00010**	**.01706**	**-.00103**	**.61773**	**.01736**	**.00003**	**-.00343**	**240.89**	**.00071**	**-.00015**
Stddev	.00011	.00111	.00100	.00152	.00003	.00008	.00115	1.88	.00001	.00011
%RSD	111.90	6.5141	97.935	.24604	.19245	257.45	33.401	.78231	1.5808	75.748
#1	.00002	.01627	-.00032	.61665	.01734	-.00003	-.00262	242.22	.00071	-.00007
#2	.00017	.01784	-.00174	.61880	.01739	.00009	-.00425	239.56	.00072	-.00022
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00062**	**.00078**	**.02954**	**11.048**	**.07185**	**57.915**	**.02797**	**.00303**	**115.68**	**.00761**
Stddev	.00024	.00033	.00155	.004	.00132	.064	.00014	.00025	.11	.00014
%RSD	38.949	42.958	5.2503	.03248	1.8305	.11099	.50695	8.2860	.09093	1.9031
#1	.00079	.00054	.03064	11.050	.07092	57.869	.02787	.00321	115.61	.00772
#2	.00045	.00101	.02845	11.045	.07278	57.960	.02807	.00285	115.76	.00751
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.02067**	**.00034**	F **248.81**	**-.00146**	**.00455**	**10.200**	**21.827**	**-.00027**	W **10.467**	**-.00063**
Stddev	.00142	.00156	.20	.00087	.00112	.037	.078	.00075	.032	.00088
%RSD	6.8625	457.36	.07868	59.733	24.613	.35868	.35868	276.36	.30091	140.54
#1	.02167	.00144	248.67	-.00208	.00534	10.174	21.772	.00026	10.489	.00000
#2	.01966	-.00076	248.95	-.00085	.00375	10.226	21.883	-.00081	10.444	-.00125
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass
High Limit			200.00						5.0000	
Low Limit			-.20000						-.01000	

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00091**	**.00114**	**.02505**	**.00111**	**.00798**	**-.00143**
Stddev	.00005	.00144	.00068	.00003	.00014	.00014
%RSD	5.0603	126.49	2.6988	3.0222	1.7917	9.7717
#1	.00088	.00012	.02457	.00109	.00788	-.00153
#2	.00095	.00216	.02553	.00114	.00808	-.00133
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**2982.8**	**46205.**	**5154.8**
Stddev	.8	107.	7.5
%RSD	.02574	.23068	.14471
#1	2983.3	46281.	5149.5
#2	2982.2	46130.	5160.0

Sample Name: 280-28188-a-22-a Acquired: 5/1/2012 16:46:42 Type: Unk
Method: 6500_025(v2) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 117356 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00013**	**.00261**	**-.00192**	**2.1355**	**.01801**	**.00008**	**-.00498**	**132.39**	**.00063**	**-.00021**
Stddev	.00007	.00131	.00288	.0034	.00007	.00002	.00164	.06	.00015	.00015
%RSD	54.049	49.978	150.01	.15693	.39665	21.504	32.891	.04435	23.998	71.002
#1	.00008	.00169	.00012	2.1379	.01796	.00009	-.00382	132.35	.00052	-.00032
#2	.00018	.00353	-.00396	2.1332	.01806	.00007	-.00614	132.43	.00074	-.00011
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00042**	**.00137**	**.00533**	**11.272**	**.06762**	**51.662**	**.02711**	**.00145**	**310.31**	**.00040**
Stddev	.00024	.00043	.00023	.093	.00000	.007	.00006	.00057	.84	.00018
%RSD	55.650	31.208	4.3829	.82305	.00141	.01290	.22644	39.381	.27028	45.852
#1	.00059	.00107	.00549	11.206	.06762	51.667	.02707	.00185	309.71	.00027
#2	.00026	.00168	.00516	11.337	.06762	51.657	.02715	.00104	310.90	.00052
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.02665**	**-.00020**	F **260.71**	**-.00255**	**.00229**	**9.1835**	**19.653**	**-.00117**	W **8.5300**	**-.00074**
Stddev	.00070	.00114	.23	.00021	.00387	.0354	.076	.00136	.0476	.00048
%RSD	2.6101	579.54	.08772	8.3892	169.09	.38581	.38581	115.67	.55775	64.713
#1	.02616	-.00101	260.87	-.00240	.00503	9.1585	19.599	-.00021	8.5636	-.00040
#2	.02714	.00061	260.55	-.00270	-.00045	9.2086	19.706	-.00213	8.4964	-.00107
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass
High Limit			200.00						5.0000	
Low Limit			-.20000						-.01000	

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00023**	**.00309**	**.02125**	**-.00005**	**.00342**	**-.00142**
Stddev	.00022	.00169	.00528	.00067	.00059	.00084
%RSD	96.353	54.569	24.843	1301.5	17.107	58.792
#1	.00039	.00428	.02498	.00042	.00384	-.00201
#2	.00007	.00190	.01752	-.00052	.00301	-.00083
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**2988.8**	**45753.**	**5137.7**
Stddev	4.8	166.	1.3
%RSD	.16143	.36367	.02451
#1	2992.2	45635.	5138.6
#2	2985.4	45871.	5136.8

Sample Name: CCVH-1390999 Acquired: 5/1/2012 16:49:12 Type: QC
Method: 6500_025(v2) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00145**	**50.066**	**-.00109**	**.00842**	**.00048**	**.00006**	**1.0326**	**.08045**	**.00023**	**.00045**	**.00033**	**-.00393**
Stddev	.00009	.454	.00128	.00024	.00011	.00005	.0023	.01028	.00001	.00029	.00017	.00002
%RSD	5.8767	.90709	117.93	2.8162	23.013	83.070	.22081	12.783	2.6135	63.488	51.656	.39132
#1	-.00139	49.745	-.00199	.00859	.00056	.00003	1.0310	.08772	.00022	.00066	.00045	-.00394
#2	-.00151	50.387	-.00018	.00826	.00040	.00010	1.0342	.07317	.00023	.00025	.00021	-.00391
Check ?	None	Chk Pass	None	None	None	None	Chk Pass	None	None	None	None	None
Value												
Range												

Elem	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316	P_1782	Pb2203	S_1820	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**49.917**	**.16022**	**.00506**	**-.01300**	**.00010**	**.00040**	**247.99**	**.00094**	**.00426**	**.00032**	**5.1114**	**-.00261**
Stddev	.413	.02838	.00147	.00156	.00005	.00010	2.12	.00046	.00286	.00068	.0030	.00134
%RSD	.82671	17.714	29.071	12.005	47.997	24.885	.85600	48.332	67.110	215.05	.05811	51.263
#1	49.626	.18029	.00402	-.01190	.00013	.00033	246.49	.00062	.00224	-.00016	5.1093	-.00166
#2	50.209	.14015	.00609	-.01410	.00006	.00047	249.49	.00127	.00628	.00080	5.1135	-.00356
Check ?	Chk Pass	None	None	None	None	None	Chk Pass	None	None	None	Chk Pass	None
Value												
Range												

Elem	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00961**	**.01274**	**.02726**	**.00359**	**.00519**	**5.1077**	**.00744**	**.00077**	W **10.534**	**-.00450**	**.00139**	**-.03902**
Stddev	.00108	.00848	.01815	.00084	.00075	.0005	.00029	.00091	.019	.00001	.00066	.00009
%RSD	11.243	66.597	66.597	23.525	14.543	.01028	3.9294	118.47	.17629	.32288	47.507	.22324
#1	.00885	.00674	.01442	.00299	.00572	5.1073	.00765	.00141	10.521	-.00449	.00092	-.03908
#2	.01037	.01874	.04010	.00418	.00466	5.1081	.00723	.00012	10.547	-.00451	.00186	-.03896
Check ?	None	None	None	None	None	Chk Pass	None	None	Chk Warn	None	None	None
Value									10.000			
Range									5.0000%			

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**3116.9**	**47378.**	**5179.4**
Stddev	6.9	111.	30.1
%RSD	.21984	.23444	.58111
#1	3121.8	47456.	5200.7
#2	3112.1	47299.	5158.1

Sample Name: CCV-1390955 Acquired: 5/1/2012 16:51:32 Type: QC
Method: 6500_025(v2) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.50864**	**.50175**	**1.0122**	**.49543**	**.50315**	**.48235**	**-.00335**	**4.9164**	**.51022**	**.50902**	**.51161**	**.51500**	**2.5422**
Stddev	.00194	.00014	.0046	.00033	.00182	.00089	.00143	.0071	.00151	.00000	.00090	.00313	.0068
%RSD	.38129	.02754	.45512	.06673	.36188	.18439	42.597	.14375	.29628	.00036	.17508	.60810	.26866
#1	.51001	.50185	1.0155	.49520	.50186	.48172	-.00234	4.9114	.50915	.50902	.51097	.51721	2.5373
#2	.50727	.50165	1.0090	.49567	.50444	.48298	-.00435	4.9214	.51129	.50902	.51224	.51279	2.5470
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**49.553**	**.98728**	**19.807**	**.50607**	**.51017**	**5.2570**	**.50764**	**.96058**	**1.0444**	**.03355**	**.98727**	**1.0182**	**4.9036**
Stddev	.105	.00296	.077	.00178	.00026	.0202	.00129	.00367	.0036	.00069	.00307	.0010	.0255
%RSD	.21173	.30000	.39079	.35191	.05019	.38372	.25489	.38253	.34062	2.0689	.31112	.09432	.52041
#1	49.479	.98518	19.862	.50733	.51035	5.2712	.50672	.96318	1.0419	.03404	.98945	1.0176	4.9217
#2	49.628	.98937	19.752	.50481	.50999	5.2427	.50855	.95798	1.0469	.03306	.98510	1.0189	4.8856
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**10.494**	**1.0167**	**.49890**	**.00015**	**.49962**	**1.0370**	**.01204**	**.50902**	**.51641**	**.50674**
Stddev	.055	.0013	.00188	.00256	.00070	.0040	.00325	.00205	.00200	.00285
%RSD	.52041	.12879	.37769	1717.4	.14002	.38878	27.016	.40354	.38778	.56157
#1	10.532	1.0158	.49756	-.00166	.50012	1.0398	.01434	.51047	.51783	.50472
#2	10.455	1.0176	.50023	.00196	.49913	1.0341	.00974	.50757	.51500	.50875
Check ?	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value										
Range										

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**3179.8**	**48701.**	**5180.0**
Stddev	.4	161.	4.2
%RSD	.01115	.33090	.08161
#1	3180.1	48587.	5177.1
#2	3179.6	48815.	5183.0

Sample Name: CCB Acquired: 5/1/2012 16:53:46 Type: QC
Method: 6500_025(v2) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00022**	**.00032**	W **-.00476**	**.00328**	**.00034**	**.00032**	**-.00287**	**.00450**	**.00011**	**-.00015**	**.00013**
Stddev	.00003	.00010	.00080	.00033	.00006	.00002	.00129	.00132	.00004	.00016	.00005
%RSD	12.908	31.994	16.757	10.007	18.031	5.1195	45.141	29.379	33.983	101.46	36.821
#1	.00024	.00039	-.00532	.00305	.00039	.00033	-.00195	.00543	.00014	-.00004	.00016
#2	.00020	.00025	-.00419	.00351	.00030	.00031	-.00378	.00356	.00009	-.00027	.00009
Check ?	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit			.00441								
Low Limit			-.00441								

Elem	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00103**	**.00658**	**.08916**	**-.00147**	**.00562**	**.00017**	**.00095**	F **.27474**	**-.00027**	**.00041**	**.00051**
Stddev	.00049	.00775	.00136	.00119	.00162	.00002	.00002	.02377	.00032	.00156	.00082
%RSD	47.825	117.90	1.5260	80.660	28.776	12.461	2.0017	8.6507	121.91	379.51	160.65
#1	-.00068	.01206	.08820	-.00063	.00677	.00015	.00093	.29154	-.00050	.00152	.00109
#2	-.00138	.00109	.09012	-.00231	.00448	.00018	.00096	.25793	-.00004	-.00069	-.00007
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit								.18320			
Low Limit								-.18320			

Elem	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.03778**	**-.00013**	**.00015**	**-.00131**	**-.00280**	**.00138**	W **.00036**	**.00003**	**.00021**	**-.00062**	**.02618**
Stddev	.00525	.00097	.00398	.03339	.07146	.00053	.00002	.00131	.00013	.00024	.01999
%RSD	13.890	743.89	2588.4	2548.0	2548.0	38.208	5.2240	4117.5	59.853	38.165	76.367
#1	.03407	-.00081	-.00266	-.02492	-.05333	.00101	.00038	.00096	.00012	-.00078	.01204
#2	.04149	.00055	.00297	.02230	.04772	.00175	.00035	-.00089	.00030	-.00045	.04031
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							.00030				
Low Limit							-.00030				

Elem	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm
Avg	**-.00010**	**.00143**	**-.00057**
Stddev	.00020	.00052	.00134
%RSD	198.33	36.343	235.90
#1	.00004	.00179	.00038
#2	-.00024	.00106	-.00152
Check ?	Chk Pass	Chk Pass	Chk Pass
High Limit			
Low Limit			

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**3178.1**	**49005.**	**5112.3**
Stddev	.4	86.	6.9
%RSD	.01152	.17630	.13504
#1	3177.8	49066.	5117.2
#2	3178.3	48944.	5107.4

Sample Name: CCVL1390952 Acquired: 5/1/2012 16:56:11 Type: QC
Method: 6500_025(v2) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01096**	**.10809**	**.01110**	**.10350**	**.01048**	**.00099**	**.11999**	**.20195**	**.00537**	**.01084**	**.01085**	**.01524**	**.10362**
Stddev	.00025	.00175	.00014	.00044	.00005	.00001	.00071	.00059	.00014	.00038	.00019	.00001	.00189
%RSD	2.2792	1.6210	1.2175	.42879	.51124	.66174	.59253	.29034	2.5427	3.5132	1.7198	.07032	1.8198
#1	.01078	.10933	.01101	.10381	.01044	.00099	.12050	.20237	.00547	.01058	.01071	.01525	.10495
#2	.01114	.10685	.01120	.10318	.01052	.00100	.11949	.20154	.00527	.01111	.01098	.01524	.10229
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**3.1752**	**.01101**	**.21494**	**.01073**	**.02087**	F **1.3000**	**.04285**	**2.9065**	**.00878**	**.01947**	**.00728**	**.01559**	**.48956**
Stddev	.0152	.00246	.00603	.00014	.00014	.0143	.00000	.0041	.00242	.00611	.00182	.00127	.00678
%RSD	.47856	22.324	2.8053	1.3239	.66493	1.1014	.00665	.14199	27.535	31.399	24.931	8.1439	1.3849
#1	3.1860	.01275	.21068	.01063	.02097	1.2899	.04286	2.9036	.01049	.01515	.00857	.01649	.48476
#2	3.1645	.00928	.21920	.01083	.02077	1.3102	.04285	2.9094	.00707	.02379	.00600	.01469	.49435
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value						1.0000							
Range						30.000%							

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.0477**	**.10704**	**.01043**	**.01522**	**.01038**	**.01746**	F **.09256**	**.01029**	**.02341**	**.01665**
Stddev	.0145	.00025	.00009	.00132	.00040	.00137	.01592	.00036	.00015	.00162
%RSD	1.3849	.23372	.88799	8.6944	3.8453	7.8683	17.202	3.5168	.62417	9.7361
#1	1.0374	.10686	.01050	.01429	.01067	.01843	.10382	.01004	.02330	.01780
#2	1.0579	.10721	.01037	.01616	.01010	.01648	.08130	.01055	.02351	.01551
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
Value							.06000			
Range							30.000%			

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**3263.6**	**50358.**	**5187.3**
Stddev	7.0	69.	1.7
%RSD	.21582	.13704	.03359
#1	3268.6	50406.	5188.5
#2	3258.6	50309.	5186.0

Sample Name: 280-28188-a-23-a Acquired: 5/1/2012 16:58:34 Type: Unk
Method: 6500_025(v2) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 117356 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00011**	**.01852**	**-.00094**	**1.7702**	**.01524**	**.00010**	**-.00125**	**116.35**	**.00071**	**-.00027**
Stddev	.00062	.00008	.00304	.0064	.00016	.00001	.00227	.20	.00007	.00010
%RSD	583.41	.42978	324.16	.35936	1.0378	6.8099	180.97	.17280	9.7988	37.389
#1	-.00033	.01846	.00121	1.7747	.01512	.00009	-.00286	116.49	.00066	-.00020
#2	.00055	.01858	-.00308	1.7657	.01535	.00010	.00035	116.21	.00076	-.00034
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00020**	**.00075**	**.12973**	**7.9675**	**.04706**	**36.553**	**.00879**	**.00079**	**190.21**	**-.00025**
Stddev	.00019	.00036	.00122	.0322	.00260	.169	.00005	.00004	.15	.00080
%RSD	94.461	48.618	.93991	.40419	5.5347	.46267	.61371	5.2305	.07727	314.31
#1	.00034	.00100	.13059	7.9902	.04890	36.673	.00883	.00076	190.11	.00031
#2	.00007	.00049	.12887	7.9447	.04522	36.434	.00875	.00082	190.32	-.00082
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01206**	**.00098**	**154.47**	**-.00103**	**.00073**	**8.8030**	**18.838**	**.00114**	W **6.6806**	**-.00106**
Stddev	.00246	.00171	.99	.00193	.00497	.0030	.006	.00139	.0275	.00207
%RSD	20.381	174.46	.64141	187.18	684.01	.03363	.03363	122.02	.41107	194.25
#1	.01032	.00219	155.17	-.00239	-.00279	8.8009	18.834	.00016	6.6612	.00040
#2	.01379	-.00023	153.76	.00033	.00424	8.8051	18.843	.00213	6.7001	-.00253
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass
High Limit									5.0000	
Low Limit									-.01000	

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00107**	**.00103**	**.01518**	**.00013**	**.00628**	**.00008**
Stddev	.00029	.00085	.01311	.00013	.00054	.00266
%RSD	27.401	82.931	86.339	100.57	8.5662	3158.3
#1	.00128	.00163	.00591	.00004	.00666	-.00180
#2	.00087	.00042	.02445	.00022	.00590	.00197
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**2954.7**	**44188.**	**5090.6**
Stddev	43.7	18.	122.8
%RSD	1.4779	.04111	2.4124
#1	2985.6	44175.	5177.5
#2	2923.9	44201.	5003.8

Sample Name: 280-28188-a-24-a Acquired: 5/1/2012 17:01:01 Type: Unk
Method: 6500_025(v2) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 117356 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00042	.00984	-.00606	1.7950	.01552	.00009	-.00473	99.517	.00051	-.00019
Stddev	.00025	.00005	.00135	.0006	.00009	.00003	.00022	.235	.00003	.00023
%RSD	57.971	.47013	22.232	.03053	.61218	27.051	4.6908	.23619	6.7024	121.53
#1	.00060	.00988	-.00702	1.7954	.01545	.00011	-.00489	99.351	.00049	-.00003
#2	.00025	.00981	-.00511	1.7946	.01558	.00008	-.00458	99.683	.00054	-.00036
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00017	.00099	.02278	8.4818	.05425	33.819	.00740	.00236	223.47	-.00007
Stddev	.00003	.00004	.00321	.0053	.00288	.178	.00001	.00011	.44	.00000
%RSD	18.158	4.4818	14.069	.06232	5.3050	.52609	.14073	4.5986	.19823	4.0886
#1	.00015	.00096	.02505	8.4856	.05628	33.694	.00741	.00229	223.16	-.00007
#2	.00020	.00102	.02052	8.4781	.05221	33.945	.00739	.00244	223.79	-.00007
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.02879	.00053	154.05	-.00130	-.00157	7.9392	16.990	-.00066	W 5.9352	.00120
Stddev	.00249	.00032	.15	.00176	.00292	.0316	.068	.00023	.0213	.00046
%RSD	8.6638	60.858	.09744	135.01	186.04	.39744	.39744	34.980	.35854	37.934
#1	.02703	.00076	153.94	-.00255	.00050	7.9169	16.942	-.00049	5.9202	.00153
#2	.03056	.00030	154.15	-.00006	-.00363	7.9615	17.038	-.00082	5.9503	.00088
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass
High Limit									5.0000	
Low Limit									-.01000	

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00059	.00060	-.00565	-.00008	.00374	-.00141
Stddev	.00004	.00081	.00402	.00054	.00094	.00029
%RSD	6.8474	135.62	71.024	698.00	25.022	20.437
#1	.00062	.00002	-.00281	.00030	.00441	-.00120
#2	.00057	.00117	-.00849	-.00046	.00308	-.00161
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	3034.4	46240.	5144.9
Stddev	6.7	154.	20.3
%RSD	.21963	.33390	.39485
#1	3029.7	46349.	5159.3
#2	3039.1	46131.	5130.6

Sample Name: 280-28188-a-25-a Acquired: 5/1/2012 17:03:29 Type: Unk
Method: 6500_025(v2) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 117356 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00053**	**1.6254**	**.00004**	**.02531**	**.04873**	**.00015**	**-.00244**	**341.86**	**.00025**	**.00199**
Stddev	.00042	.0006	.00264	.00143	.00041	.00000	.00164	5.31	.00025	.00023
%RSD	79.494	.03543	6549.5	5.6519	.84291	.36373	67.397	1.5523	98.313	11.664
#1	.00082	1.6250	-.00182	.02632	.04844	.00015	-.00127	338.11	.00042	.00215
#2	.00023	1.6258	.00190	.02429	.04903	.00015	-.00360	345.61	.00008	.00182
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00422**	**.00184**	**1.3777**	**1.4447**	**.00739**	**5.7573**	**2.0167**	**.00000**	**32.495**	**.00652**
Stddev	.00015	.00039	.0075	.0328	.00241	.0309	.0047	.0002	.566	.00007
%RSD	3.4963	20.965	.54144	2.2706	32.533	.53693	.23489	7017.2	1.7429	1.0632
#1	.00432	.00211	1.3724	1.4215	.00910	5.7792	2.0200	.00017	32.094	.00647
#2	.00411	.00156	1.3830	1.4679	.00569	5.7355	2.0133	-.00017	32.895	.00657
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.85579**	**.00049**	**59.279**	**-.00166**	**.00552**	**9.4527**	**20.229**	**.00001**	**1.7798**	**.00176**
Stddev	.01738	.00084	.022	.00069	.00623	.0886	.190	.00017	.0088	.00022
%RSD	2.0313	170.20	.03662	41.372	112.95	.93727	.93727	1607.5	.49153	12.282
#1	.84350	-.00010	59.264	-.00118	.00992	9.3900	20.095	-.00011	1.7736	.00160
#2	.86808	.00108	59.294	-.00215	.00111	9.5153	20.363	.00013	1.7860	.00191
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.03878**	**.00137**	**-.03482**	**.00261**	**.00822**	**.00017**
Stddev	.00193	.00106	.02206	.00029	.00059	.00091
%RSD	4.9900	77.328	63.359	11.237	7.1488	526.18
#1	.03741	.00212	-.01922	.00282	.00864	.00081
#2	.04015	.00062	-.05042	.00241	.00780	-.00047
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**2998.6**	**44369.**	**5065.8**
Stddev	19.2	239.	118.2
%RSD	.64106	.53941	2.3332
#1	3012.2	44538.	5149.4
#2	2985.1	44200.	4982.2

Sample Name: 280-28188-a-26-a Acquired: 5/1/2012 17:05:55 Type: Unk
Method: 6500_025(v2) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 117356 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00062**	**.02967**	**-.00419**	**1.5621**	**.07048**	**.00009**	**-.00359**	**40.732**	**.00050**	**-.00016**
Stddev	.00019	.00016	.00007	.0019	.00029	.00003	.00488	.111	.00009	.00012
%RSD	31.300	.55132	1.5946	.12216	.40578	30.806	135.99	.27164	18.892	78.931
#1	.00048	.02956	-.00415	1.5634	.07028	.00007	-.00014	40.810	.00056	-.00007
#2	.00076	.02979	-.00424	1.5607	.07068	.00010	-.00704	40.653	.00043	-.00025
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00030**	**.00035**	**.07018**	**6.8099**	**.03620**	**16.028**	**.00294**	**.00239**	**151.79**	**-.00021**
Stddev	.00001	.00012	.00247	.0170	.00219	.064	.00017	.00040	.12	.00006
%RSD	3.0510	33.503	3.5261	.24927	6.0608	.40003	5.8282	16.786	.07939	26.401
#1	.00030	.00043	.07193	6.8219	.03464	16.073	.00306	.00267	151.71	-.00025
#2	.00029	.00027	.06843	6.7979	.03775	15.982	.00282	.00211	151.88	-.00017
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.05202**	**.00023**	**17.676**	**-.00063**	**-.00008**	**7.1021**	**15.199**	**.00040**	**2.9506**	**.00167**
Stddev	.00457	.00099	.017	.00067	.00063	.0408	.087	.00074	.0060	.00078
%RSD	8.7821	437.10	.09397	107.33	808.05	.57373	.57373	184.59	.20183	46.692
#1	.05525	.00093	17.688	-.00110	.00037	7.1310	15.260	.00093	2.9548	.00112
#2	.04879	-.00047	17.664	-.00015	-.00052	7.0733	15.137	-.00012	2.9464	.00222
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00085**	**.00130**	**.00030**	**.00074**	**.00380**	**-.00045**
Stddev	.00002	.00027	.02310	.00028	.00004	.00086
%RSD	2.0366	20.765	7710.7	38.025	1.0590	189.51
#1	.00083	.00149	-.01603	.00054	.00377	-.00106
#2	.00086	.00111	.01663	.00094	.00383	.00015
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**3080.0**	**45668.**	**5152.1**
Stddev	3.9	164.	7.5
%RSD	.12764	.35872	.14479
#1	3077.2	45784.	5157.4
#2	3082.8	45552.	5146.8

Sample Name: 280-28188-a-27-a Acquired: 5/1/2012 17:08:17 Type: Unk
Method: 6500_025(v2) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 117356 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00077**	**.01675**	**-.00164**	**1.9414**	**.05015**	**.00004**	**-.00448**	**42.315**	**.00048**	**-.00013**
Stddev	.00001	.00050	.00337	.0115	.00024	.00005	.00209	.118	.00003	.00023
%RSD	1.0527	2.9716	205.82	.59295	.48514	110.91	46.660	.27979	7.1293	171.54
#1	.00076	.01640	-.00402	1.9333	.05032	.00008	-.00596	42.399	.00050	.00003
#2	.00077	.01710	.00075	1.9496	.04998	.00001	-.00300	42.232	.00046	-.00029
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00025**	**.00091**	**.05406**	**6.7602**	**.03225**	**16.683**	**.01004**	**.00263**	**187.64**	**-.00008**
Stddev	.00003	.00019	.00024	.0426	.00130	.027	.00006	.00006	.51	.00011
%RSD	11.607	20.845	.44361	.62965	4.0375	.16215	.61815	2.3524	.27033	139.00
#1	.00023	.00077	.05423	6.7903	.03133	16.702	.01009	.00267	188.00	-.00016
#2	.00027	.00104	.05389	6.7301	.03317	16.664	.01000	.00259	187.28	.00000
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.04460**	**.00004**	**24.143**	**-.00300**	**.00080**	**5.8151**	**12.444**	**.00003**	**3.1423**	**.00033**
Stddev	.00105	.00058	.117	.00020	.00623	.0045	.010	.00005	.0051	.00002
%RSD	2.3578	1606.3	.48354	6.7920	781.99	.07694	.07694	190.44	.16219	5.7458
#1	.04385	-.00037	24.060	-.00314	.00520	5.8183	12.451	.00007	3.1459	.00035
#2	.04534	.00044	24.225	-.00285	-.00361	5.8120	12.438	-.00001	3.1387	.00032
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00067**	**.00030**	**-.00253**	**.00015**	**.00362**	**.00148**
Stddev	.00011	.00067	.01918	.00010	.00024	.00004
%RSD	17.041	221.20	756.78	62.609	6.5206	2.4772
#1	.00059	-.00017	-.01610	.00022	.00378	.00146
#2	.00075	.00077	.01103	.00008	.00345	.00151
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**3078.4**	**46947.**	**5201.5**
Stddev	5.6	77.	27.5
%RSD	.18182	.16333	.52781
#1	3082.4	46893.	5182.1
#2	3074.5	47001.	5220.9

Sample Name: 280-28188-a-28-a Acquired: 5/1/2012 17:10:37 Type: Unk
Method: 6500_025(v2) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 117356 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00013**	**.04165**	**-.00188**	**1.9137**	**.04975**	**.00004**	**-.00419**	**40.722**	**.00038**	**-.00029**
Stddev	.00080	.00116	.00153	.0070	.00057	.00004	.00101	.329	.00003	.00012
%RSD	633.57	2.7796	81.345	.36556	1.1406	81.972	23.978	.80911	7.1197	42.349
#1	.00044	.04247	-.00080	1.9087	.04935	.00007	-.00348	40.489	.00036	-.00020
#2	-.00069	.04083	-.00296	1.9186	.05015	.00002	-.00490	40.955	.00039	-.00037
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00035**	**.00083**	**.05423**	**6.5521**	**.03135**	**15.542**	**.00689**	**.00202**	**185.55**	**.00015**
Stddev	.00011	.00046	.00388	.0597	.00004	.052	.00006	.00004	.99	.00033
%RSD	32.318	54.974	7.1450	.91059	.12337	.33654	.83198	1.9680	.53242	217.42
#1	.00043	.00051	.05697	6.5099	.03137	15.505	.00685	.00199	184.85	-.00008
#2	.00027	.00116	.05149	6.5943	.03132	15.578	.00693	.00205	186.25	.00039
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.04275**	**-.00051**	**21.748**	**-.00031**	**.00227**	**5.9909**	**12.820**	**.00020**	**2.9532**	**.00068**
Stddev	.00208	.00055	.009	.00074	.00065	.0434	.093	.00005	.0159	.00046
%RSD	4.8681	109.17	.04317	241.40	28.609	.72456	.72456	25.490	.53690	67.433
#1	.04422	-.00090	21.741	.00022	.00181	5.9602	12.755	.00024	2.9420	.00036
#2	.04128	-.00012	21.755	-.00083	.00273	6.0216	12.886	.00017	2.9644	.00101
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00106**	**.00086**	**.01177**	**.00023**	**.00374**	**-.00060**
Stddev	.00036	.00012	.01120	.00024	.00043	.00046
%RSD	33.978	13.483	95.209	102.63	11.545	75.317
#1	.00132	.00078	.01969	.00006	.00344	-.00093
#2	.00081	.00095	.00385	.00040	.00405	-.00028
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**3086.0**	**47292.**	**5215.0**
Stddev	4.2	63.	33.4
%RSD	.13566	.13337	.64123
#1	3089.0	47336.	5238.6
#2	3083.0	47247.	5191.3

Sample Name: 280-28188-a-29-a Acquired: 5/1/2012 17:12:58 Type: Unk
Method: 6500_025(v2) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 117356 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00073**	**.04339**	**-.00253**	**2.1926**	**.03455**	**.00009**	**-.00506**	**42.701**	**.00047**	**.00194**
Stddev	.00003	.00056	.00314	.0015	.00016	.00003	.00261	.085	.00008	.00002
%RSD	3.4250	1.2961	124.23	.06887	.47352	36.746	51.573	.19825	17.593	1.2223
#1	.00071	.04378	-.00475	2.1915	.03467	.00006	-.00691	42.761	.00053	.00195
#2	.00075	.04299	-.00031	2.1936	.03444	.00011	-.00322	42.642	.00041	.00192
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00030**	**.00171**	**1.3180**	**7.9299**	**.03725**	**18.085**	**.18205**	**.00115**	**269.80**	**.00097**
Stddev	.00019	.00022	.0048	.0050	.00218	.008	.00014	.00045	.05	.00023
%RSD	63.780	12.774	.36736	.06353	5.8498	.04592	.07926	39.173	.01969	23.954
#1	.00017	.00187	1.3214	7.9264	.03571	18.079	.18216	.00147	269.84	.00081
#2	.00044	.00156	1.3145	7.9335	.03879	18.091	.18195	.00083	269.76	.00114
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.11566**	**-.00082**	**64.191**	**-.00156**	**.00799**	**6.1437**	**13.148**	**.00018**	**3.3992**	**-.00109**
Stddev	.00277	.00008	.048	.00233	.00140	.0485	.104	.00089	.0018	.00000
%RSD	2.3960	9.8595	.07422	148.80	17.540	.78868	.78868	490.09	.05253	.06712
#1	.11370	-.00076	64.224	.00008	.00700	6.1780	13.221	.00081	3.4005	-.00109
#2	.11762	-.00088	64.157	-.00321	.00898	6.1095	13.074	-.00045	3.3979	-.00109
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00086**	**.00174**	**-.02182**	**.00015**	**.00505**	**-.00002**
Stddev	.00011	.00426	.00669	.00008	.00025	.00182
%RSD	12.375	244.38	30.689	52.617	4.9964	11265.
#1	.00079	.00476	-.01708	.00021	.00487	-.00131
#2	.00094	-.00127	-.02655	.00010	.00523	.00127
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**3064.9**	**46533.**	**5200.1**
Stddev	2.7	6.	13.5
%RSD	.08902	.01387	.25964
#1	3066.9	46538.	5190.5
#2	3063.0	46529.	5209.6

Sample Name: CCVH-1390999 Acquired: 5/1/2012 17:15:19 Type: QC
Method: 6500_025(v2) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00155**	**50.254**	**-.00276**	**.00934**	**.00054**	**.00004**	**1.0355**	**.03066**	**.00018**	**.00021**	**.00052**	**-.00451**
Stddev	.00033	.100	.00223	.00063	.00015	.00002	.0011	.00766	.00018	.00031	.00017	.00001
%RSD	21.515	.19985	80.930	6.7483	27.404	42.158	.10384	24.972	96.565	145.09	33.009	.23205
#1	-.00178	50.325	-.00434	.00890	.00044	.00005	1.0363	.03607	.00031	.00043	.00040	-.00451
#2	-.00131	50.183	-.00118	.00979	.00065	.00003	1.0348	.02525	.00006	-.00001	.00064	-.00450
Check ?	None	Chk Pass	None	None	None	None	Chk Pass	None	None	None	None	None
Value												
Range												

Elem	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316	P_1782	Pb2203	S_1820	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**50.126**	**.13759**	**.00465**	**-.02023**	**.00023**	**.00000**	**249.05**	**.00164**	**.00603**	**-.00051**	**5.1329**	**-.00033**
Stddev	.227	.05660	.00014	.00205	.00004	.0003	.26	.00016	.00050	.00122	.0182	.00089
%RSD	.45367	41.136	3.0725	10.128	17.955	9917.0	.10432	9.6197	8.2629	237.82	.35393	269.58
#1	50.287	.09757	.00475	-.02167	.00026	-.00024	248.87	.00153	.00638	-.00137	5.1457	-.00096
#2	49.965	.17761	.00455	-.01878	.00020	.00023	249.23	.00175	.00567	.00035	5.1200	.00030
Check ?	Chk Pass	None	None	None	None	None	Chk Pass	None	None	None	Chk Pass	None
Value												
Range												

Elem	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00565**	**.02098**	**.04489**	**.00312**	**.00222**	**5.1677**	**.00780**	**.00260**	W **10.572**	**-.00451**	**.00190**	**-.04653**
Stddev	.00187	.03080	.06591	.00060	.00031	.0248	.00036	.00142	.057	.00039	.00020	.00049
%RSD	33.160	146.84	146.84	19.293	13.962	.48055	4.5547	54.483	.53989	8.6583	10.703	1.0489
#1	.00433	-.00080	-.00172	.00355	.00244	5.1502	.00805	.00360	10.532	-.00479	.00205	-.04687
#2	.00698	.04275	.09149	.00270	.00200	5.1853	.00755	.00160	10.613	-.00423	.00176	-.04618
Check ?	None	None	None	None	None	Chk Pass	None	None	Chk Warn	None	None	None
Value									10.000			
Range									5.0000%			

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**3129.0**	**47459.**	**5165.8**
Stddev	2.0	131.	3.5
%RSD	.06299	.27656	.06747
#1	3130.4	47552.	5168.3
#2	3127.6	47366.	5163.4

Sample Name: CCV-1390955 Acquired: 5/1/2012 17:17:40 Type: QC
Method: 6500_025(v2) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.50706**	**.50670**	**1.0069**	**.50121**	**.50494**	**.48701**	**-.00244**	**4.9504**	**.51222**	**.51039**	**.51230**	**.51364**	**2.5390**
Stddev	.00013	.00019	.0022	.00047	.00145	.00080	.00045	.0131	.00032	.00017	.00072	.00232	.0016
%RSD	.02573	.03773	.22251	.09458	.28755	.16442	18.398	.26507	.06150	.03295	.13964	.45192	.06167
#1	.50697	.50656	1.0085	.50155	.50392	.48757	-.00276	4.9411	.51245	.51051	.51281	.51200	2.5401
#2	.50715	.50684	1.0053	.50088	.50597	.48644	-.00213	4.9596	.51200	.51027	.51180	.51529	2.5379
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**49.582**	**.99789**	**19.733**	**.50330**	**.51159**	**5.3165**	**.51085**	**.97627**	**1.0510**	**.02030**	**.99865**	**1.0177**	**4.9144**
Stddev	.129	.00086	.100	.00191	.00055	.0357	.00042	.00174	.0015	.00024	.00089	.0036	.0254
%RSD	.26037	.08647	.50845	.37872	.10771	.67065	.08126	.17872	.14197	1.1892	.08882	.35562	.51685
#1	49.673	.99850	19.662	.50195	.51198	5.3417	.51114	.97503	1.0520	.02047	.99802	1.0202	4.9324
#2	49.490	.99728	19.804	.50465	.51120	5.2913	.51056	.97750	1.0499	.02013	.99928	1.0151	4.8965
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**10.517**	**1.0213**	**.49881**	**.00213**	**.50102**	**1.0429**	**.01445**	**.51122**	**.51377**	**.50181**
Stddev	.054	.0022	.00042	.00205	.00106	.0001	.03391	.00060	.00189	.00521
%RSD	.51685	.21509	.08517	96.219	.21129	.01050	234.74	.11648	.36774	1.0374
#1	10.555	1.0229	.49851	.00357	.50027	1.0430	.03843	.51080	.51243	.49813
#2	10.478	1.0198	.49911	.00068	.50177	1.0428	-.00953	.51164	.51511	.50549
Check ?	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value										
Range										

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**3181.3**	**49121.**	**5182.0**
Stddev	8.2	168.	37.5
%RSD	.25889	.34209	.72392
#1	3175.5	49239.	5155.5
#2	3187.1	49002.	5208.5

Sample Name: CCB Acquired: 5/1/2012 17:19:53 Type: QC
Method: 6500_025(v2) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00064**	**.00018**	**-.00070**	**.00408**	**.00016**	**.00035**	**-.00253**	**.00385**	**.00006**	**-.00010**	**-.00018**	**-.00077**
Stddev	.00013	.00030	.00288	.00013	.00012	.00005	.00437	.00163	.00003	.00012	.00022	.00001
%RSD	20.611	166.35	414.47	3.1571	75.005	14.407	172.38	42.371	53.079	118.61	124.41	.71700
#1	.00073	.00040	.00134	.00417	.00008	.00031	-.00562	.00500	.00009	-.00019	-.00002	-.00076
#2	.00054	-.00003	-.00274	.00398	.00024	.00038	.00055	.00270	.00004	-.00002	-.00033	-.00077
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit												
Low Limit												

Elem	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00235**	**.06813**	W **.00296**	**.00307**	**.00014**	**.00050**	F **.23296**	**-.00022**	**.00340**	**.00044**	**.02323**	**.00141**
Stddev	.00051	.00836	.00092	.00263	.00006	.00019	.00003	.00001	.00064	.00081	.00666	.00060
%RSD	21.612	12.265	31.040	85.615	44.175	38.283	.01411	5.5835	18.719	185.89	28.653	42.748
#1	.00271	.07403	.00231	.00493	.00018	.00037	.23294	-.00022	.00385	.00101	.02794	.00183
#2	.00199	.06222	.00361	.00121	.00010	.00064	.23299	-.00023	.00295	-.00014	.01852	.00098
Check ?	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit			.00261				.18320					
Low Limit			-.00261				-.18320					

Elem	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00432**	**.00459**	**.00983**	**.00126**	**.00027**	**.00059**	**-.00014**	**.00105**	**.01324**	**.00009**	**.00178**	**-.00071**
Stddev	.00158	.01144	.02448	.00057	.00013	.00034	.00015	.00035	.03056	.00011	.00036	.00187
%RSD	36.519	249.11	249.11	45.366	49.150	56.511	111.79	33.002	230.82	128.41	20.151	264.51
#1	.00320	-.00350	-.00748	.00166	.00036	.00083	-.00003	.00130	.03484	.00001	.00204	.00061
#2	.00543	.01268	.02713	.00085	.00017	.00036	-.00024	.00081	-.00837	.00017	.00153	-.00202
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit												
Low Limit												

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**3170.4**	**49106.**	**5146.7**
Stddev	5.5	287.	3.3
%RSD	.17351	.58488	.06495
#1	3166.5	49309.	5149.1
#2	3174.2	48903.	5144.4

Sample Name: CCVL1390952 Acquired: 5/1/2012 17:22:17 Type: QC
Method: 6500_025(v2) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01060**	**.10612**	**.01401**	**.10198**	**.01044**	**.00101**	**.11947**	**.20227**	**.00524**	**.01091**	**.01052**	**.01483**	**.10136**
Stddev	.00020	.00009	.00091	.00046	.00012	.00001	.00455	.00003	.00008	.00016	.00005	.00061	.00105
%RSD	1.8561	.08050	6.4950	.45391	1.1452	.63550	3.8103	.01710	1.5472	1.5100	.49052	4.0895	1.0373
#1	.01046	.10606	.01337	.10231	.01036	.00101	.12269	.20225	.00518	.01103	.01056	.01525	.10210
#2	.01074	.10618	.01465	.10165	.01053	.00102	.11625	.20230	.00529	.01079	.01049	.01440	.10061
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**3.1229**	**.01098**	**.20930**	**.01063**	**.02048**	**1.2275**	**.04194**	**2.8620**	**.00923**	**.01407**	**.00813**	**.01559**	**.48851**
Stddev	.0321	.00113	.00002	.00002	.00014	.0002	.00031	.0067	.00216	.00061	.00072	.00253	.00357
%RSD	1.0278	10.284	.01028	.18959	.68929	.01617	.73301	.23346	23.446	4.3563	8.8526	16.262	.73039
#1	3.1456	.01178	.20929	.01062	.02058	1.2276	.04172	2.8668	.00770	.01451	.00762	.01379	.49104
#2	3.1002	.01018	.20932	.01065	.02038	1.2274	.04215	2.8573	.01076	.01364	.00864	.01738	.48599
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.0454**	**.10486**	**.01027**	**.01686**	**.01006**	**.01846**	F **.09110**	**.00995**	**.02404**	**.01388**
Stddev	.0076	.00022	.00002	.00144	.00009	.00034	.02953	.00024	.00089	.00050
%RSD	.73039	.20822	.16774	8.5722	.93432	1.8458	32.413	2.3985	3.7040	3.6156
#1	1.0508	.10470	.01026	.01788	.00999	.01822	.11198	.00978	.02341	.01424
#2	1.0400	.10501	.01028	.01583	.01012	.01870	.07022	.01012	.02467	.01353
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
Value							.06000			
Range							30.000%			

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**3272.4**	**50282.**	**5229.4**
Stddev	8.0	340.	6.0
%RSD	.24417	.67701	.11494
#1	3266.8	50523.	5225.1
#2	3278.1	50042.	5233.6

Sample Name: 280-28154-A-2-A Acquired: 5/1/2012 17:24:40 Type: Unk
Method: 6500_025(v2) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 117228 6010B

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	kW **.83187**	k **10.298**	s **1.6988**	s **.09148**	W **20.865**	k **.00065**	sF **1.8374**	**37.877**	s **.06712**	s **.22037**
Stddev	.00260	.054	.0949	.00646	.363	.00001	.0874	.267	.00382	.01261
%RSD	.31242	.52349	5.5844	7.0664	1.7392	1.9687	4.7571	.70444	5.6886	5.7244
#1	k .83003	k 10.336	s 1.7659	s .09605	21.122	k .00064	s 1.8992	38.066	s .06982	s .22929
#2	k .83371	k 10.260	s 1.6318	s .08691	20.609	k .00066	s 1.7756	37.688	s .06442	s .21145
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit	.10000				10.000		.10000			
Low Limit	-.01000				-.01000		-.10000			

Elem	Cr2055	Cu3247	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	271.441 {124}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	s **.23367**	^ *****	k **76.830**	**2.3162**	**.01259**	k **5.9829**	k **1.4914**	s **.37333**	**6.5181**	s **1.6623**
Stddev	.01373	-----	.507	.0444	.00270	.0143	.0022	.02097	.0308	.0972
%RSD	5.8777	-----	.65995	1.9159	21.470	.23879	.14607	5.6173	.47203	5.8454
#1	s .24339	^ -----	k 77.189	2.3476	.01068	k 5.9728	k 1.4899	s .38816	6.5399	s 1.7311
#2	s .22396	^ -----	k 76.472	2.2848	.01451	k 5.9931	k 1.4930	s .35850	6.4964	s 1.5936
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	sW **13.026**	^ *****	s **56.231**	s **.43785**	s **2.3274**	k **1.1281**	k **2.4141**	s **.08584**	**.42472**	k **.10925**
Stddev	.709	-----	3.277	.03308	.1209	.0034	.0074	.00677	.00272	.00053
%RSD	5.4414	-----	5.8269	7.5561	5.1940	.30568	.30568	7.8908	.64085	.48884
#1	s 13.528	^ -----	s 58.548	s .46124	s 2.4128	k 1.1305	k 2.4193	s .09063	.42664	k .10887
#2	s 12.525	^ -----	s 53.914	s .41445	s 2.2419	k 1.1257	k 2.4089	s .08105	.42279	k .10963
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	2.0000									
Low Limit	-1.0000									

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	k **.24712**	s **.00183**	k **.04781**	kF **-.02202**	k **2.0268**	k **.01430**
Stddev	.00034	.00180	.03308	.00044	.0029	.00056
%RSD	.13906	97.930	69.200	1.9880	.14256	3.8912
#1	k .24736	s .00311	k .07120	k -.02171	k 2.0248	k .01470
#2	k .24687	s .00056	k .02441	k -.02233	k 2.0289	k .01391
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass
High Limit				50.000		
Low Limit				-.02000		

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	^ *****	**46403.**	**5226.1**
Stddev	-----	67.	19.4
%RSD	-----	.14368	.37173
#1	^ -----	46355.	5212.3
#2	^ -----	46450.	5239.8

Sample Name: 280-28154-A-2-A@5 Acquired: 5/1/2012 17:27:01 Type: Unk
Method: 6500_025(v2) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 117228 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	kW .16643	s 2.2963	s .24463	s .01524	4.2464	k .00018	sF .28882	7.8524	s .00967	s .03303
Stddev	.00104	.1122	.01376	.00015	.0133	.00002	.02126	.0226	.00039	.00151
%RSD	.62428	4.8846	5.6264	.97360	.31225	13.284	7.3623	.28755	4.0311	4.5646
#1	k .16569	s 2.2170	s .23490	s .01513	4.2370	k .00020	s .27378	7.8364	s .00939	s .03196
#2	k .16716	s 2.3756	s .25437	s .01534	4.2558	k .00017	s .30385	7.8683	s .00994	s .03409
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit	.10000						.10000			
Low Limit	-.01000						-.10000			

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	s .03505	^ *****	15.564	.49946	.00310	k 1.3098	k .30488	s .05463	1.3731	s .25211
Stddev	.00149	-----	.021	.01137	.00201	.0060	.00145	.00339	.0025	.01252
%RSD	4.2588	-----	.13359	2.2760	64.778	.45631	.47677	6.2041	.18355	4.9670
#1	s .03399	^ -----	15.549	.49142	.00452	k 1.3055	k .30385	s .05224	1.3749	s .24326
#2	s .03610	^ -----	15.578	.50750	.00168	k 1.3140	k .30590	s .05703	1.3713	s .26097
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	s 1.8919	s .15184	s 8.4163	s .06689	s .36221	k .20964	k .44863	s .01419	.08662	k .01128
Stddev	.0952	.00904	.3979	.00637	.02353	.01626	.03479	.00115	.00029	.00029
%RSD	5.0317	5.9541	4.7282	9.5255	6.4963	7.7551	7.7551	8.1001	.33241	2.5862
#1	s 1.8246	s .14545	s 8.1349	s .06238	s .34557	k .22114	k .47323	s .01338	.08642	k .01107
#2	s 1.9592	s .15824	s 8.6976	s .07140	s .37885	k .19814	k .42403	s .01500	.08683	k .01148
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	k .05010	s .00262	k .01692	k -.00515	k .41888	k .00277
Stddev	.00000	.00039	.02908	.00003	.00363	.00140
%RSD	.00671	14.810	171.90	.53823	.86764	50.503
#1	k .05010	s .00289	k .03748	k -.00517	k .41631	k .00376
#2	k .05010	s .00234	k -.00365	k -.00513	k .42145	k .00178
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	^ *****	49225.	5174.5
Stddev	-----	30.	58.8
%RSD	-----	.06185	1.1354
#1	^ -----	49246.	5216.1
#2	^ -----	49203.	5133.0

Sample Name: 280-28154-A-2-A@50 Acquired: 5/1/2012 17:29:21 Type: Unk
Method: 6500_025(v2) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 117228 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01745**	**.21819**	**.01932**	**.00106**	**.41537**	**-.00002**	**.02931**	**.77142**	**.00073**	**.00298**
Stddev	.00040	.00032	.00033	.00002	.00104	.00004	.00148	.00055	.00001	.00008
%RSD	2.2843	.14631	1.6877	1.8269	.25092	233.69	5.0401	.07097	1.7365	2.6795
#1	.01717	.21796	.01955	.00107	.41610	-.00004	.03035	.77104	.00072	.00303
#2	.01773	.21841	.01909	.00105	.41463	.00001	.02826	.77181	.00074	.00292
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00299**	F **65.680**	**1.5352**	**.04704**	**.00138**	**.13436**	**.03056**	**.00464**	**.17844**	**.02207**
Stddev	.00001	.088	.0108	.00504	.00123	.00065	.00010	.00045	.00930	.00013
%RSD	.48582	.13325	.70158	10.711	89.531	.48137	.32071	9.7946	5.2113	.59163
#1	.00298	65.742	1.5428	.05060	.00051	.13481	.03063	.00432	.17187	.02197
#2	.00300	65.618	1.5275	.04347	.00225	.13390	.03050	.00497	.18502	.02216
Check ?	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit		50.000								
Low Limit		-.02000								

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.16447**	**.01941**	**.74843**	**.00534**	**.03325**	**.00212**	**.00455**	**.00256**	**.00857**	**.00166**
Stddev	.00099	.00078	.00777	.00350	.00180	.00968	.02072	.00054	.00019	.00263
%RSD	.60309	4.0200	1.0382	65.517	5.4123	455.81	455.81	20.986	2.1912	159.11
#1	.16377	.01996	.74293	.00287	.03197	.00897	.01920	.00218	.00870	.00352
#2	.16517	.01886	.75392	.00781	.03452	-.00472	-.01011	.00294	.00844	-.00021
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00472**	**.00064**	**.01798**	**-.00083**	**.04397**	**-.00096**
Stddev	.00023	.00085	.00229	.00048	.00032	.00068
%RSD	4.8128	132.08	12.720	57.995	.72507	70.357
#1	.00488	.00004	.01637	-.00118	.04375	-.00144
#2	.00456	.00124	.01960	-.00049	.04420	-.00048
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**3224.6**	**48308.**	**5195.1**
Stddev	5.2	20.	50.8
%RSD	.16263	.04177	.97798
#1	3220.8	48322.	5231.1
#2	3228.3	48294.	5159.2

Sample Name: CCVH-1390999 Acquired: 5/1/2012 17:31:49 Type: QC
Method: 6500_025(v2) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2714
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00123**	**48.214**	**.00216**	**.00316**	**.00138**	**.00012**	**1.0038**	**.00843**	**.00008**	**.00032**	**.00029**	**.04633**	**48.260**
Stddev	.00011	.054	.00122	.00046	.00008	.00006	.0003	.00315	.00017	.00008	.00015	.00604	.156
%RSD	9.2263	.11216	56.287	14.547	5.8919	54.299	.03070	37.388	198.05	26.280	51.137	13.041	.32348
#1	-.00131	48.252	.00302	.00348	.00132	.00016	1.0041	.00620	.00020	.00038	.00018	.05060	48.370
#2	-.00115	48.176	.00130	.00283	.00143	.00007	1.0036	.01066	-.00003	.00026	.00039	.04206	48.150
Check ?	None	Chk Pass	None	None	None	None	Chk Pass	None	None	None	None	None	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.04578**	**.00135**	**-.02220**	**.00028**	**.00029**	**239.23**	**.00096**	**-.00059**	**-.00179**	**4.9536**	**-.00099**	**.00941**	**.00658**
Stddev	.01185	.00221	.00011	.00006	.00042	.26	.00032	.00000	.00219	.0078	.00242	.00224	.00367
%RSD	25.885	163.63	.49817	19.643	145.07	.10972	32.864	.10783	122.57	.15849	244.92	23.846	55.813
#1	.03740	-.00021	-.02212	.00032	.00059	239.42	.00119	-.00059	-.00334	4.9480	.00072	.00782	.00917
#2	.05416	.00292	-.02228	.00024	-.00001	239.05	.00074	-.00059	-.00024	4.9591	-.00270	.01100	.00398
Check ?	None	None	None	None	None	Chk Pass	None	None	None	Chk Pass	None	None	None
Value													
Range													

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01407**	**.00262**	**.00036**	**4.9752**	**.00757**	**-.00056**	**10.209**	**-.00409**	**.00164**	**-.04298**
Stddev	.00785	.00130	.00011	.0050	.00026	.00162	.015	.00007	.00011	.00397
%RSD	55.813	49.612	32.103	.10087	3.4660	290.28	.14454	1.6494	6.4012	9.2433
#1	.01962	.00354	.00027	4.9787	.00738	.00059	10.219	-.00404	.00157	-.04579
#2	.00852	.00170	.00044	4.9716	.00776	-.00171	10.198	-.00414	.00172	-.04017
Check ?	None	None	None	Chk Pass	None	None	Chk Pass	None	None	None
Value										
Range										

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**3154.4**	**47720.**	**5235.5**
Stddev	6.8	71.	14.0
%RSD	.21480	.14982	.26788
#1	3149.6	47770.	5225.6
#2	3159.2	47669.	5245.4

Sample Name: CCV-1390955 Acquired: 5/1/2012 17:34:09 Type: QC
Method: 6500_025(v2) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.49117**	**.48795**	**.98629**	**.47543**	**.48563**	**.46307**	**-.00393**	**4.7455**	**.49414**	**.49179**	**.49426**	**.51702**	**2.4348**
Stddev	.00053	.00144	.00624	.00264	.00023	.00026	.00121	.0106	.00005	.00144	.00082	.00127	.0101
%RSD	.10853	.29456	.63238	.55475	.04729	.05687	30.827	.22338	.00922	.29316	.16614	.24599	.41663
#1	.49079	.48693	.98188	.47357	.48547	.46326	-.00308	4.7530	.49411	.49077	.49368	.51792	2.4420
#2	.49155	.48896	.99070	.47730	.48579	.46288	-.00479	4.7380	.49417	.49281	.49484	.51612	2.4276
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**47.628**	**.94877**	**19.156**	**.48858**	**.49278**	**4.8425**	**.49119**	**.93258**	**1.0154**	**.02105**	**.95817**	**.98777**	**4.6594**
Stddev	.095	.00203	.030	.00013	.00082	.0040	.00158	.00121	.0010	.00446	.00349	.00428	.0179
%RSD	.19849	.21400	.15705	.02683	.16664	.08269	.32076	.12990	.09606	21.174	.36401	.43358	.38505
#1	47.695	.95021	19.177	.48867	.49220	4.8453	.49007	.93172	1.0147	.02421	.95570	.98474	4.6721
#2	47.561	.94733	19.135	.48848	.49336	4.8396	.49230	.93344	1.0161	.01790	.96064	.99080	4.6467
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**9.9712**	**.98798**	**.47917**	**.00208**	**.48271**	**1.0079**	**.00891**	**.49359**	**.50113**	**.48273**
Stddev	.0384	.00341	.00007	.00034	.00079	.0017	.02248	.00154	.00241	.00067
%RSD	.38505	.34465	.01369	16.139	.16458	.16594	252.21	.31157	.48117	.13783
#1	9.9983	.98557	.47922	.00231	.48215	1.0068	.02481	.49250	.50283	.48320
#2	9.9440	.99039	.47912	.00184	.48327	1.0091	-.00698	.49468	.49942	.48226
Check ?	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value										
Range										

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**3224.8**	**49178.**	**5269.4**
Stddev	2.2	36.	23.3
%RSD	.06889	.07411	.44139
#1	3226.4	49152.	5253.0
#2	3223.3	49204.	5285.9

Sample Name: CCB Acquired: 5/1/2012 17:36:22 Type: QC
Method: 6500_025(v2) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00087**	**.00038**	**-.00221**	**.00077**	**.00057**	**.00031**	**-.00296**	**.00287**	**.00025**	**-.00013**	**-.00003**	F **.00939**	**.00049**
Stddev	.00023	.00027	.00165	.00078	.00013	.00003	.00146	.00114	.00020	.00004	.00001	.00039	.00051
%RSD	26.392	72.686	74.820	101.07	23.131	9.0084	49.365	39.672	80.189	32.282	56.207	4.1425	103.86
#1	.00071	.00018	-.00338	.00132	.00066	.00033	-.00192	.00206	.00039	-.00016	-.00004	.00966	.00085
#2	.00103	.00057	-.00104	.00022	.00047	.00029	-.00399	.00367	.00011	-.00010	-.00002	.00911	.00013
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass
High Limit												.00272	
Low Limit												-.00272	

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.04735**	**.00139**	**.00735**	**.00011**	**.00075**	**.06576**	**-.00001**	**-.00023**	**.00019**	**.01703**	**-.00001**	**.00370**	**.01299**
Stddev	.00248	.00046	.00175	.00000	.00053	.00085	.00030	.00008	.00033	.00381	.00031	.00046	.00200
%RSD	5.2434	33.371	23.756	3.1156	70.374	1.2972	2614.5	35.287	171.68	22.356	3994.8	12.550	15.383
#1	.04910	.00171	.00859	.00011	.00038	.06515	-.00022	-.00028	.00042	.01434	.00021	.00337	.01157
#2	.04559	.00106	.00612	.00011	.00112	.06636	.00020	-.00017	-.00004	.01972	-.00023	.00403	.01440
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit													
Low Limit													

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.02779**	**.00126**	**.00027**	**-.00141**	**.00020**	**.00039**	**.03236**	**-.00036**	**.00208**	**-.00056**
Stddev	.00427	.00065	.00010	.00155	.00004	.00311	.00121	.00028	.00037	.00077
%RSD	15.383	51.415	37.851	110.18	21.447	795.85	3.7415	79.138	17.961	138.18
#1	.02477	.00080	.00034	-.00031	.00017	-.00181	.03150	-.00056	.00182	-.00001
#2	.03081	.00172	.00020	-.00251	.00023	.00259	.03321	-.00016	.00235	-.00110
Check ?	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**3223.8**	**49775.**	**5205.3**
Stddev	13.6	79.	11.9
%RSD	.42107	.15831	.22857
#1	3233.4	49720.	5213.7
#2	3214.2	49831.	5196.9

Sample Name: CCVL1390952 Acquired: 5/1/2012 17:38:46 Type: QC
Method: 6500_025(v2) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01054**	**.10414**	**.01194**	**.09813**	**.01042**	**.00097**	**.11297**	**.19033**	**.00532**	**.01017**	**.01019**	F **.02015**	**.09879**
Stddev	.00005	.00006	.00180	.00092	.00015	.00001	.00309	.00438	.00004	.00019	.00021	.00036	.00199
%RSD	.51959	.05442	15.074	.94035	1.4791	.91462	2.7386	2.2992	.76636	1.8205	2.0417	1.7825	2.0158
#1	.01058	.10418	.01322	.09878	.01053	.00098	.11516	.18724	.00529	.01030	.01004	.02041	.10019
#2	.01050	.10410	.01067	.09747	.01031	.00097	.11078	.19343	.00535	.01004	.01034	.01990	.09738
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass
Value												.01500	
Range												30.000%	

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**3.0346**	**.01202**	**.20864**	**.01033**	**.02019**	**1.0407**	**.04126**	**2.8308**	**.00923**	**.01204**	F **.00691**	**.01666**	**.46539**
Stddev	.0311	.00021	.00024	.00002	.00011	.0145	.00003	.0042	.00006	.00026	.00004	.00291	.01611
%RSD	1.0235	1.7796	.11439	.15153	.55707	1.3926	.08120	.14898	.61027	2.1902	.62001	17.461	3.4606
#1	3.0127	.01218	.20847	.01035	.02011	1.0304	.04128	2.8278	.00927	.01223	.00688	.01872	.45401
#2	3.0566	.01187	.20880	.01032	.02027	1.0509	.04124	2.8338	.00919	.01185	.00694	.01461	.47678
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Fail	Chk Pass	Chk Pass
Value											.01000		
Range											-30.000%		

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.99594**	**.10512**	**.00998**	**.01504**	**.00995**	**.01667**	F **.09332**	**.01011**	**.02210**	**.01369**
Stddev	.03447	.00081	.00011	.00022	.00003	.00062	.02302	.00043	.00002	.00216
%RSD	3.4606	.77245	1.0553	1.4883	.26087	3.7307	24.663	4.2162	.08700	15.809
#1	.97157	.10569	.00990	.01488	.00997	.01623	.07705	.00981	.02211	.01216
#2	1.0203	.10454	.01005	.01520	.00993	.01711	.10960	.01041	.02209	.01522
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
Value							.06000			
Range							30.000%			

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**3289.0**	**50922.**	**5278.7**
Stddev	5.4	75.	26.4
%RSD	.16455	.14673	.49928
#1	3292.8	50869.	5297.4
#2	3285.2	50975.	5260.1

Sample Name: MB 280-117232/1-A Acquired: 5/1/2012 17:41:08 Type: Unk
Method: 6500_025(v2) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 117232 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00058**	**.00537**	**-.00169**	**.00043**	**.00026**	**.00001**	**-.00072**	**.01167**	**.00020**	**-.00015**
Stddev	.00039	.00005	.00251	.00036	.00010	.00006	.00120	.00707	.00004	.00011
%RSD	66.058	.84660	148.64	83.164	38.673	727.61	166.70	60.600	18.393	77.277
#1	.00086	.00540	.00009	.00018	.00019	.00005	-.00157	.00667	.00022	-.00023
#2	.00031	.00534	-.00347	.00068	.00033	-.00004	.00013	.01666	.00017	-.00007
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00004**	**.00194**	**.00967**	**.08195**	**.00257**	**.00275**	**.00025**	**-.00017**	**.04879**	**-.00057**
Stddev	.00011	.00027	.00141	.01017	.00202	.00115	.00000	.00007	.00108	.00017
%RSD	298.80	13.807	14.563	12.408	78.861	41.932	1.6032	38.657	2.2217	30.349
#1	.00012	.00213	.00867	.07476	.00400	.00193	.00025	-.00012	.04955	-.00044
#2	-.00004	.00175	.01066	.08914	.00114	.00356	.00024	-.00021	.04802	-.00069
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00329**	**.00090**	F **.01816**	**-.00195**	**-.00122**	W **-.00910**	**-.01948**	**-.00014**	**.00006**	**.00188**
Stddev	.00077	.00003	.00286	.00052	.00039	.00498	.01065	.00010	.00011	.00112
%RSD	23.328	3.6872	15.755	26.645	31.509	54.688	54.688	70.033	187.37	59.938
#1	.00275	.00093	.01614	-.00158	-.00095	-.01262	-.02701	-.00021	.00013	.00108
#2	.00384	.00088	.02019	-.00231	-.00149	-.00558	-.01195	-.00007	-.00002	.00267
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Warn	None	Chk Pass	Chk Pass	Chk Pass
High Limit			.01000			.00500				
Low Limit			-.01000			-.00500				

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00025**	**-.00119**	**-.01502**	**-.00019**	**.00178**	**-.00130**
Stddev	.00002	.00228	.00208	.00013	.00007	.00040
%RSD	8.6220	190.97	13.816	70.377	4.1688	30.799
#1	-.00026	.00042	-.01649	-.00028	.00172	-.00159
#2	-.00023	-.00281	-.01355	-.00009	.00183	-.00102
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**3268.0**	**50675.**	**5273.7**
Stddev	20.7	95.	5.5
%RSD	.63470	.18769	.10409
#1	3253.4	50742.	5277.5
#2	3282.7	50607.	5269.8

Sample Name: LCS 280-117232/2-A Acquired: 5/1/2012 17:43:32 Type: Unk
Method: 6500_025(v2) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 117232 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.05084**	**1.8528**	**1.0076**	**1.0184**	**1.9597**	**.04754**	**2.0850**	**47.242**	**.09924**	**.48524**
Stddev	.00037	.0070	.0005	.0006	.0016	.00026	.0010	.095	.00063	.00075
%RSD	.72752	.37994	.04624	.05778	.08334	.55568	.04808	.20014	.63834	.15454
#1	.05110	1.8479	1.0079	1.0188	1.9585	.04735	2.0843	47.176	.09880	.48471
#2	.05058	1.8578	1.0073	1.0180	1.9608	.04772	2.0857	47.309	.09969	.48577
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.19806**	**.25310**	**.98029**	**48.539**	**.96622**	**48.144**	**.49639**	**1.0616**	**49.920**	**.48626**
Stddev	.00003	.00094	.00051	.006	.00073	.073	.00105	.0014	.202	.00163
%RSD	.01467	.37129	.05235	.01194	.07590	.15267	.21084	.13159	.40479	.33576
#1	.19808	.25376	.97993	48.543	.96570	48.196	.49713	1.0606	49.777	.48511
#2	.19804	.25243	.98065	48.535	.96674	48.092	.49565	1.0626	50.063	.48741
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**9.6237**	**.49300**	**.03479**	**.50074**	**1.9941**	**10.154**	F **21.730**	**2.0927**	**.98117**	**1.0093**
Stddev	.0202	.00044	.00283	.00010	.0033	.053	.113	.0041	.00031	.0016
%RSD	.20948	.08932	8.1313	.02055	.16550	.52067	.52067	.19569	.03126	.15765
#1	9.6379	.49269	.03679	.50066	1.9964	10.117	21.650	2.0956	.98139	1.0104
#2	9.6094	.49331	.03279	.50081	1.9918	10.192	21.810	2.0898	.98095	1.0081
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit							24.610			
Low Limit							20.100			

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.0494**	**1.9703**	**2.1315**	**.50730**	**.50285**	**.51497**
Stddev	.0001	.0006	.0344	.00173	.00116	.00087
%RSD	.00510	.03044	1.6126	.34093	.23015	.16838
#1	1.0494	1.9699	2.1558	.50853	.50203	.51436
#2	1.0495	1.9707	2.1072	.50608	.50367	.51558
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**3148.9**	**48090.**	**5239.6**
Stddev	5.0	108.	22.2
%RSD	.15864	.22516	.42464
#1	3152.4	48166.	5255.3
#2	3145.3	48013.	5223.8

Sample Name: 280-28156-A-1-B Acquired: 5/1/2012 17:45:40 Type: Unk
Method: 6500_025(v2) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 117232 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00023**	**.02365**	**-.00478**	**.28332**	**.00146**	**.00008**	**.00091**	**.12764**	**.00021**	**-.00017**
Stddev	.00052	.00032	.00198	.00204	.00003	.00010	.00181	.00075	.00001	.00014
%RSD	226.59	1.3533	41.393	.71936	1.7856	119.08	199.03	.58467	3.2746	78.849
#1	.00060	.02387	-.00338	.28476	.00148	.00001	-.00037	.12817	.00022	-.00008
#2	-.00014	.02342	-.00617	.28188	.00144	.00015	.00219	.12711	.00021	-.00027
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00033**	**.00005**	**.00437**	**.04441**	**.00267**	**.01819**	**.00022**	**.00186**	**.58944**	**-.00006**
Stddev	.00002	.00026	.00085	.01669	.00088	.00326	.00001	.00053	.00694	.00021
%RSD	4.6661	549.00	19.484	37.575	32.974	17.948	4.3751	28.286	1.1779	333.21
#1	.00032	.00023	.00377	.05621	.00205	.02049	.00022	.00149	.59435	-.00021
#2	.00034	-.00013	.00497	.03261	.00330	.01588	.00021	.00223	.58453	.00008
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00555**	**-.00013**	**.02352**	**-.00155**	**.00199**	**.70184**	**1.5019**	**.00107**	**.00069**	**.00210**
Stddev	.00019	.00042	.00058	.00025	.00535	.00341	.0073	.00022	.00009	.00055
%RSD	3.4477	334.95	2.4770	16.252	268.53	.48584	.48584	20.612	13.740	26.204
#1	.00569	.00017	.02311	-.00137	-.00179	.70426	1.5071	.00091	.00075	.00249
#2	.00542	-.00043	.02393	-.00173	.00578	.69943	1.4968	.00122	.00062	.00171
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00091**	**.00114**	**.02044**	**-.00025**	**.00205**	**.00084**
Stddev	.00022	.00042	.00283	.00006	.00063	.00001
%RSD	23.838	37.158	13.863	24.297	30.499	.64833
#1	.00107	.00144	.02244	-.00021	.00161	.00083
#2	.00076	.00084	.01843	-.00030	.00249	.00084
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**3300.0**	**50797.**	**5300.9**
Stddev	1.1	91.	44.3
%RSD	.03285	.17841	.83663
#1	3300.7	50862.	5269.5
#2	3299.2	50733.	5332.2

Sample Name: 280-28156-A-2-B Acquired: 5/1/2012 17:48:03 Type: Unk
Method: 6500_025(v2) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 117232 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00042**	**.02590**	**.10606**	**.20174**	**1.3259**	**.00107**	**-.00570**	**43.726**	**.00025**	**.07052**
Stddev	.00010	.00024	.00274	.00175	.0036	.00002	.00042	.120	.00004	.00029
%RSD	24.176	.92679	2.5859	.86631	.26988	1.7277	7.2870	.27396	17.715	.40417
#1	.00034	.02607	.10412	.20050	1.3234	.00106	-.00600	43.642	.00022	.07072
#2	.00049	.02573	.10799	.20297	1.3285	.00109	-.00541	43.811	.00028	.07032
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	271.441 {124}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00044**	**.00804**	**47.464**	**4.7327**	**.00580**	**30.913**	**1.6378**	**-.00084**	**166.65**	**.03138**
Stddev	.00011	.00025	.307	.0195	.00131	.002	.0029	.00002	.59	.00014
%RSD	26.091	3.1022	.64720	.41271	22.673	.00502	.17425	2.9622	.35569	.46130
#1	.00052	.00822	47.247	4.7189	.00487	30.912	1.6399	-.00085	166.23	.03149
#2	.00036	.00787	47.681	4.7466	.00673	30.914	1.6358	-.00082	167.07	.03128
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.23945**	**-.00033**	**1.7777**	**-.00287**	**.00321**	**21.916**	**46.900**	**.00021**	**1.0090**	**-.00069**
Stddev	.00188	.00016	.0054	.00106	.00497	.096	.205	.00061	.0028	.00025
%RSD	.78599	49.517	.30415	37.048	154.73	.43817	.43817	284.60	.28101	36.937
#1	.23812	-.00044	1.7815	-.00211	-.00030	21.848	46.754	.00064	1.0070	-.00087
#2	.24078	-.00021	1.7739	-.00362	.00672	21.984	47.045	-.00022	1.0110	-.00051
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00030**	**.00099**	**-.01509**	**.00092**	**.01880**	**-.00102**
Stddev	.00027	.00100	.01292	.00028	.00029	.00085
%RSD	90.444	101.38	85.617	30.906	1.5372	83.132
#1	.00011	.00028	-.02423	.00072	.01859	-.00163
#2	.00049	.00170	-.00595	.00112	.01900	-.00042
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**3174.1**	**48190.**	**5381.9**
Stddev	4.3	142.	8.6
%RSD	.13473	.29418	.16051
#1	3177.2	48090.	5388.0
#2	3171.1	48290.	5375.8

Sample Name: 280-28156-A-3-B Acquired: 5/1/2012 17:50:25 Type: Unk
Method: 6500_025(v2) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 117232 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00036**	**.02337**	**.17136**	**.19947**	**1.3116**	**.00116**	**-.00203**	**43.470**	**-.00005**	**.06879**
Stddev	.00015	.00121	.00137	.00043	.0057	.00004	.00132	.195	.00020	.00035
%RSD	41.081	5.1566	.80099	.21489	.43131	3.3329	64.853	.44847	397.39	.51275
#1	.00046	.02422	.17233	.19977	1.3076	.00113	-.00297	43.333	-.00019	.06904
#2	.00025	.02252	.17039	.19916	1.3156	.00119	-.00110	43.608	.00009	.06854
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	271.441 {124}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00063**	**.00209**	**48.573**	**4.7360**	**.00580**	**30.327**	**1.6026**	**-.00097**	**165.42**	**.03054**
Stddev	.00001	.00014	.254	.0133	.00100	.136	.0048	.00007	1.47	.00005
%RSD	.95181	6.5337	.52355	.28023	17.157	.44922	.29740	7.3209	.88733	.14744
#1	.00063	.00199	48.394	4.7266	.00651	30.231	1.5993	-.00092	164.38	.03051
#2	.00064	.00219	48.753	4.7454	.00510	30.423	1.6060	-.00102	166.46	.03058
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.25083**	**.00021**	**1.7451**	**-.00139**	**.00156**	**21.986**	**47.051**	**-.00046**	**.99696**	**-.00134**
Stddev	.00638	.00048	.0105	.00052	.00069	.152	.326	.00137	.00497	.00072
%RSD	2.5444	226.70	.60424	37.553	44.179	.69322	.69322	296.22	.49896	53.771
#1	.24632	.00055	1.7376	-.00176	.00205	21.878	46.820	.00051	.99345	-.00185
#2	.25535	-.00013	1.7525	-.00102	.00107	22.094	47.281	-.00143	1.0005	-.00083
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00061**	**.00056**	**-.00654**	**.00056**	**.01598**	**-.00020**
Stddev	.00030	.00043	.02944	.00010	.00035	.00097
%RSD	48.370	75.756	449.80	17.868	2.1933	493.85
#1	.00040	.00086	.01427	.00063	.01573	.00049
#2	.00082	.00026	-.02736	.00049	.01623	-.00088
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**3183.6**	**48531.**	**5351.6**
Stddev	1.6	23.	26.2
%RSD	.04938	.04790	.48899
#1	3184.7	48547.	5370.1
#2	3182.5	48515.	5333.1

Sample Name: 280-28156-A-4-B Acquired: 5/1/2012 17:52:47 Type: Unk
Method: 6500_025(v2) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 117232 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00011**	**.02082**	**.00216**	**.01750**	**.03250**	**.00007**	**-.00685**	**2.3534**	**.00037**	**-.00035**
Stddev	.00068	.00041	.00232	.00056	.00023	.00008	.00182	.0010	.00004	.00001
%RSD	606.70	1.9653	107.79	3.1976	.71492	111.76	26.532	.04161	10.371	1.8498
#1	-.00037	.02111	.00051	.01711	.03266	.00012	-.00556	2.3541	.00040	-.00035
#2	.00059	.02053	.00380	.01790	.03233	.00001	-.00813	2.3527	.00035	-.00036
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00034**	**.00154**	**.36496**	**2.0769**	**.02488**	**1.3910**	**.00364**	**.00022**	**16.040**	**.00043**
Stddev	.00005	.00027	.00022	.0447	.00100	.0036	.00012	.00019	.452	.00030
%RSD	14.278	17.224	.05960	2.1506	4.0087	.25998	3.3988	83.439	2.8156	70.854
#1	.00038	.00135	.36480	2.1085	.02558	1.3936	.00372	.00035	16.360	.00064
#2	.00031	.00173	.36511	2.0453	.02417	1.3885	.00355	.00009	15.721	.00021
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.09465**	**.00076**	**5.5292**	**-.00082**	**-.00150**	**30.909**	**66.146**	**-.00010**	**.09276**	**.00131**
Stddev	.00260	.00002	.0138	.00125	.00267	.001	.001	.00166	.00002	.00037
%RSD	2.7455	2.6565	.24999	153.32	178.33	.00215	.00215	1696.2	.02173	28.345
#1	.09649	.00078	5.5194	.00007	.00039	30.909	66.145	-.00127	.09278	.00105
#2	.09281	.00075	5.5389	-.00170	-.00339	30.910	66.147	.00108	.09275	.00158
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00037**	**-.00019**	**.00572**	**-.00030**	**.00580**	**-.00002**
Stddev	.00015	.00047	.00781	.00048	.00067	.00055
%RSD	41.708	244.25	136.50	158.06	11.552	2425.7
#1	.00026	.00014	.01125	-.00064	.00533	.00037
#2	.00048	-.00052	.00020	.00004	.00627	-.00041
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**3275.0**	**50117.**	**5353.0**
Stddev	7.1	139.	15.9
%RSD	.21538	.27672	.29619
#1	3270.1	50215.	5341.8
#2	3280.0	50019.	5364.3

Sample Name: 280-28156-A-5-B Acquired: 5/1/2012 17:55:10 Type: Unk
Method: 6500_025(v2) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 117232 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00034**	**1.2947**	**.00025**	**.01135**	**.16914**	**.00008**	**-.00351**	**32.715**	**.00021**	**.00175**
Stddev	.00010	.0003	.00413	.00042	.00056	.00004	.00178	.021	.00001	.00004
%RSD	29.540	.02217	1628.4	3.6693	.32887	48.836	50.814	.06348	6.2214	2.5758
#1	.00027	1.2949	.00317	.01164	.16953	.00006	-.00477	32.701	.00022	.00171
#2	.00041	1.2945	-.00267	.01105	.16875	.00011	-.00225	32.730	.00021	.00178
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01239**	**-.00053**	**.01093**	**2.3305**	**.01498**	**.04726**	**.00038**	**.00149**	**5.8415**	**-.00017**
Stddev	.00003	.00023	.00038	.0220	.00305	.00224	.00007	.00017	.0071	.00031
%RSD	.23771	42.682	3.4967	.94475	20.376	4.7415	18.295	11.097	.12107	183.29
#1	.01237	-.00037	.01066	2.3149	.01282	.04885	.00033	.00138	5.8365	-.00039
#2	.01241	-.00069	.01120	2.3460	.01714	.04568	.00043	.00161	5.8465	.00005
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01198**	**.00121**	**1.6860**	**-.00126**	**.00082**	**9.3951**	**20.106**	**-.00057**	**1.7203**	**.00080**
Stddev	.00073	.00128	.0087	.00009	.00195	.0366	.078	.00027	.0018	.00004
%RSD	6.0611	106.21	.51591	6.9943	236.62	.38936	.38936	47.723	.10708	4.7524
#1	.01147	.00211	1.6922	-.00119	.00220	9.4210	20.161	-.00076	1.7189	.00083
#2	.01250	.00030	1.6799	-.00132	-.00055	9.3693	20.050	-.00038	1.7216	.00077
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00004**	**-.00107**	**.00406**	**.00787**	**.00266**	**.00037**
Stddev	.00001	.00051	.01204	.00038	.00013	.00043
%RSD	25.277	47.613	296.42	4.8040	4.7971	118.62
#1	.00003	-.00142	.01257	.00761	.00257	.00006
#2	.00004	-.00071	-.00445	.00814	.00275	.00067
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**3271.8**	**49842.**	**5307.3**
Stddev	2.5	59.	25.3
%RSD	.07722	.11885	.47676
#1	3273.6	49800.	5325.2
#2	3270.0	49884.	5289.4

Sample Name: 280-28156-A-6-B Acquired: 5/1/2012 17:57:33 Type: Unk
Method: 6500_025(v2) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 117232 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00070**	**.00953**	**-.00190**	**.00839**	**.01475**	**.00003**	**-.00347**	**.96615**	**.00016**	**-.00015**
Stddev	.00008	.00033	.00041	.00003	.00006	.00001	.00137	.00533	.00016	.00020
%RSD	10.919	3.4674	21.414	.31388	.40463	25.197	39.351	.55167	104.13	130.76
#1	.00076	.00930	-.00162	.00837	.01470	.00003	-.00444	.96992	.00027	-.00001
#2	.00065	.00977	-.00219	.00840	.01479	.00004	-.00251	.96238	.00004	-.00029
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00141**	**-.00101**	**.00744**	**1.0707**	**.00519**	**.52283**	**.00228**	**.00001**	**3.0288**	**-.00034**
Stddev	.00005	.00002	.00005	.0359	.00056	.00397	.00002	.00029	.0248	.00029
%RSD	3.3405	2.2047	.61828	3.3544	10.788	.76028	1.0409	3150.2	.81954	86.431
#1	.00145	-.00103	.00741	1.0453	.00559	.52564	.00229	-.00020	3.0463	-.00054
#2	.00138	-.00100	.00748	1.0961	.00480	.52002	.00226	.00022	3.0112	-.00013
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00924**	**-.00053**	**.29528**	**-.00271**	**.00413**	**8.4705**	**18.127**	**.00049**	**.03049**	**-.00040**
Stddev	.00032	.00089	.00069	.00360	.00648	.0359	.077	.00021	.00050	.00103
%RSD	3.4144	167.43	.23314	132.73	156.75	.42404	.42404	42.916	1.6542	261.40
#1	.00946	.00010	.29480	-.00017	-.00045	8.4959	18.181	.00064	.03084	-.00113
#2	.00901	-.00116	.29577	-.00525	.00871	8.4451	18.072	.00034	.03013	.00034
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00010**	**.00108**	**.00503**	**-.00039**	**.00264**	**.00011**
Stddev	.00024	.00021	.01070	.00034	.00032	.00051
%RSD	244.53	19.465	212.83	88.194	11.975	452.34
#1	.00007	.00093	.01259	-.00063	.00287	-.00025
#2	-.00027	.00123	-.00254	-.00015	.00242	.00047
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**3266.9**	**50266.**	**5263.7**
Stddev	24.2	181.	10.0
%RSD	.74033	.35965	.18909
#1	3284.0	50138.	5256.7
#2	3249.8	50394.	5270.8

Sample Name: CCVH-1390999 Acquired: 5/1/2012 17:59:56 Type: QC
Method: 6500_025(v2) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2714
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00108**	**48.273**	**-.00065**	**.00212**	**.00037**	**.00016**	**.99276**	**.00727**	**-.00005**	**.00036**	**.00037**	**-.00432**	**48.170**
Stddev	.00088	.132	.00105	.00028	.00013	.00002	.00436	.00027	.00004	.00013	.00007	.00005	.102
%RSD	81.324	.27316	162.46	13.091	36.381	12.185	.43894	3.6943	79.474	35.729	18.046	1.2178	.21210
#1	-.00170	48.179	-.00139	.00193	.00027	.00015	.98968	.00708	-.00007	.00045	.00033	-.00428	48.098
#2	-.00046	48.366	.00010	.00232	.00046	.00017	.99584	.00746	-.00002	.00027	.00042	-.00436	48.243
Check ?	None	Chk Pass	None	None	None	None	Chk Pass	None	None	None	None	None	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.02715**	**.00328**	**-.02194**	**.00015**	**.00054**	**237.70**	**.00127**	**.00232**	**-.00031**	**4.8853**	**-.00028**	**.00849**	**.00813**
Stddev	.00583	.00126	.00399	.00012	.00031	.06	.00012	.00140	.00153	.0153	.00321	.00273	.01788
%RSD	21.482	38.342	18.169	77.812	56.868	.02564	9.5259	60.178	498.58	.31248	1146.7	32.115	220.02
#1	.03127	.00239	-.01912	.00007	.00076	237.65	.00136	.00133	.00078	4.8745	.00199	.00656	-.00452
#2	.02302	.00417	-.02476	.00023	.00032	237.74	.00119	.00331	-.00139	4.8961	-.00255	.01042	.02077
Check ?	None	None	None	None	None	Chk Pass	None	None	None	Chk Pass	None	None	None
Value													
Range													

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01739**	**.00194**	**.00029**	**4.9985**	**.00772**	**.00141**	**10.235**	**-.00426**	**.00137**	**-.04637**
Stddev	.03827	.00013	.00003	.0049	.00010	.00121	.007	.00035	.00022	.00062
%RSD	220.02	6.9081	10.144	.09699	1.2690	85.764	.07312	8.2855	15.838	1.3430
#1	-.00967	.00185	.00027	5.0019	.00765	.00056	10.240	-.00451	.00152	-.04681
#2	.04445	.00204	.00031	4.9950	.00779	.00227	10.230	-.00401	.00122	-.04593
Check ?	None	None	None	Chk Pass	None	None	Chk Pass	None	None	None
Value										
Range										

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**3138.1**	**46933.**	**5153.3**
Stddev	3.2	54.	18.1
%RSD	.10092	.11600	.35073
#1	3135.8	46894.	5166.0
#2	3140.3	46971.	5140.5

Sample Name: CCV-1390955 Acquired: 5/1/2012 18:02:16 Type: QC
Method: 6500_025(v2) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.49567**	**.48786**	**.98658**	**.47638**	**.48557**	**.46218**	**-.00235**	**4.7171**	**.49667**	**.49444**	**.49780**	**.50315**	**2.4272**
Stddev	.00119	.00179	.00207	.00110	.00007	.00060	.00104	.0029	.00020	.00040	.00067	.00081	.0029
%RSD	.24058	.36768	.21015	.23128	.01527	.12945	44.325	.06034	.03960	.08019	.13443	.16121	.12091
#1	.49483	.48913	.98511	.47716	.48552	.46175	-.00308	4.7151	.49680	.49473	.49732	.50373	2.4251
#2	.49652	.48660	.98805	.47560	.48562	.46260	-.00161	4.7191	.49653	.49416	.49827	.50258	2.4293
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**47.620**	**.94698**	**19.268**	**.49306**	**.49636**	**4.8048**	**.49438**	**.93370**	**1.0239**	**.01863**	**.95635**	**.99226**	**4.6940**
Stddev	.065	.00001	.036	.00043	.00066	.0161	.00013	.00972	.0010	.00224	.00192	.00712	.0180
%RSD	.13725	.00062	.18731	.08646	.13372	.33551	.02550	1.0411	.10220	12.029	.20073	.71795	.38339
#1	47.573	.94697	19.293	.49336	.49589	4.8162	.49447	.94057	1.0247	.02022	.95771	.98722	4.7068
#2	47.666	.94698	19.242	.49276	.49683	4.7934	.49429	.92682	1.0232	.01705	.95499	.99729	4.6813
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**10.045**	**.99430**	**.47902**	**-.00008**	**.48498**	**1.0095**	**.01494**	**.49632**	**.50544**	**.48549**
Stddev	.039	.00514	.00039	.00140	.00074	.0027	.00422	.00052	.00095	.00286
%RSD	.38339	.51674	.08091	1772.7	.15157	.26373	28.264	.10510	.18778	.58871
#1	10.072	.99793	.47929	-.00107	.48550	1.0076	.01196	.49669	.50477	.48347
#2	10.018	.99067	.47874	.00091	.48446	1.0114	.01793	.49595	.50612	.48751
Check ?	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value										
Range										

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**3200.2**	**48944.**	**5262.8**
Stddev	4.5	411.	2.1
%RSD	.14006	.83965	.03985
#1	3197.1	48653.	5261.3
#2	3203.4	49234.	5264.3

Sample Name: CCB Acquired: 5/1/2012 18:04:30 Type: QC
Method: 6500_025(v2) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00041**	**.00011**	**-.00072**	**.00077**	**.00049**	**.00031**	**-.00250**	**.00302**	**.00009**	**-.00009**	**.00007**	**-.00110**	**.00292**
Stddev	.00011	.00036	.00031	.00044	.00012	.00006	.00134	.00199	.00004	.00002	.00007	.00011	.00232
%RSD	27.728	330.13	43.101	56.448	23.851	20.558	53.617	65.689	42.262	25.349	101.33	10.068	79.415
#1	.00049	.00036	-.00050	.00108	.00041	.00035	-.00345	.00162	.00012	-.00007	.00012	-.00118	.00128
#2	.00033	-.00014	-.00093	.00046	.00057	.00026	-.00155	.00443	.00006	-.00011	.00002	-.00102	.00455
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit													
Low Limit													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.06058**	**.00153**	**.00617**	**.00016**	**.00076**	**.08157**	**-.00031**	**.00260**	**-.00050**	**.01593**	**.00212**	**.00313**	**-.00916**
Stddev	.00974	.00071	.00091	.00006	.00014	.01580	.00034	.00319	.00167	.00343	.00106	.00186	.00833
%RSD	16.070	46.367	14.771	38.123	19.103	19.369	109.71	122.50	332.61	21.507	50.004	59.530	90.959
#1	.05370	.00203	.00682	.00021	.00066	.09274	-.00007	.00035	.00068	.01835	.00137	.00444	-.00327
#2	.06747	.00103	.00553	.00012	.00086	.07040	-.00056	.00486	-.00169	.01351	.00287	.00181	-.01505
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit													
Low Limit													

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.01960**	**.00057**	**.00026**	**.00033**	**.00019**	**-.00070**	**-.00203**	**-.00017**	**.00220**	**-.00006**
Stddev	.01783	.00074	.00010	.00034	.00012	.00019	.01490	.00029	.00020	.00204
%RSD	90.959	129.16	38.422	105.17	60.235	26.975	732.87	169.79	9.1332	3157.0
#1	-.00699	.00110	.00033	.00008	.00011	-.00083	.00850	.00003	.00206	-.00151
#2	-.03221	.00005	.00019	.00057	.00028	-.00057	-.01257	-.00038	.00234	.00138
Check ?	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**3206.9**	**49271.**	**5155.5**
Stddev	8.3	204.	38.8
%RSD	.25836	.41480	.75259
#1	3212.8	49416.	5182.9
#2	3201.1	49127.	5128.0

Sample Name: CCVL1390952 Acquired: 5/1/2012 18:06:54 Type: QC
Method: 6500_025(v2) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599	K_7664
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01046**	**.10382**	**.01262**	**.09863**	**.01000**	**.00102**	**.11264**	**.19680**	**.00513**	**.01026**	**.01023**	**.01421**	**.09953**	**3.0002**
Stddev	.00008	.00029	.00074	.00054	.00004	.00008	.00027	.00231	.00007	.00013	.00009	.00017	.00040	.0512
%RSD	.78532	.28400	5.8285	.55039	.39167	7.5970	.23751	1.1723	1.3816	1.2928	.90857	1.2282	.40423	1.7083
#1	.01052	.10361	.01210	.09825	.00998	.00107	.11283	.19517	.00508	.01016	.01017	.01409	.09924	2.9639
#2	.01040	.10403	.01314	.09902	.01003	.00096	.11245	.19844	.00518	.01035	.01030	.01434	.09981	3.0364
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value														
Range														

Elem	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01160**	**.20807**	**.01036**	**.02016**	**1.0507**	**.04091**	**2.8064**	**.00859**	**.00612**	**.00751**	**.01729**	**.47944**	**1.0260**	**.10343**
Stddev	.00037	.00287	.00004	.00040	.0003	.00013	.0220	.00022	.00185	.00172	.00135	.02056	.0440	.00162
%RSD	3.1666	1.3782	.41650	1.9597	.02979	.32839	.78520	2.5133	30.199	22.916	7.8234	4.2886	4.2886	1.5686
#1	.01186	.20605	.01033	.01988	1.0504	.04081	2.7908	.00874	.00743	.00629	.01634	.49397	1.0571	.10229
#2	.01134	.21010	.01039	.02044	1.0509	.04100	2.8220	.00844	.00481	.00873	.01825	.46490	.99488	.10458
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value														
Range														

Elem	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00998**	**.01522**	**.00996**	**.01740**	**.07652**	**.00949**	**.02262**	**.01457**
Stddev	.00011	.00081	.00016	.00191	.00811	.00022	.00041	.00193
%RSD	1.1406	5.3153	1.5940	10.982	10.598	2.3018	1.8273	13.265
#1	.00990	.01464	.00985	.01605	.07079	.00934	.02232	.01593
#2	.01006	.01579	.01007	.01875	.08226	.00965	.02291	.01320
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value								
Range								

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**3311.8**	**50793.**	**5261.2**
Stddev	19.7	167.	46.3
%RSD	.59382	.32898	.88093
#1	3325.7	50911.	5293.9
#2	3297.9	50674.	5228.4

Sample Name: 280-28156-A-7-B Acquired: 5/1/2012 18:09:17 Type: Unk
Method: 6500_025(v2) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 117232 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00011**	**.02152**	**-.00369**	**.02469**	**.37430**	**.00023**	**-.00177**	**19.300**	**.00039**	**.00187**
Stddev	.00006	.00048	.00241	.00083	.01003	.00007	.00181	.497	.00003	.00012
%RSD	60.007	2.2518	65.304	3.3817	2.6805	31.810	102.72	2.5767	7.4882	6.3734
#1	.00015	.02187	-.00198	.02410	.38140	.00018	-.00305	19.652	.00037	.00196
#2	.00006	.02118	-.00539	.02528	.36721	.00028	-.00048	18.949	.00041	.00179
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00003**	**.00058**	**.01669**	**2.6051**	**.00424**	**9.0528**	**.04222**	**-.00018**	**31.057**	**.00500**
Stddev	.00005	.00007	.00054	.0453	.00028	.0271	.00012	.00013	.546	.00039
%RSD	150.14	12.930	3.2415	1.7393	6.6782	.29882	.27918	72.720	1.7585	7.8319
#1	.00007	.00063	.01630	2.6372	.00444	9.0336	.04214	-.00009	31.443	.00472
#2	.00000	.00053	.01707	2.5731	.00404	9.0719	.04230	-.00028	30.671	.00528
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.02198**	**-.00083**	**2.5454**	**-.00161**	**.00216**	**4.5086**	**9.6483**	**-.00004**	**.28840**	**-.00020**
Stddev	.00427	.00023	.0065	.00002	.00018	.1380	.2952	.00016	.00770	.00405
%RSD	19.428	27.653	.25420	1.0059	8.3040	3.0599	3.0599	420.79	2.6686	2010.9
#1	.02500	-.00067	2.5500	-.00160	.00229	4.6061	9.8571	-.00015	.29385	-.00306
#2	.01896	-.00100	2.5409	-.00162	.00204	4.4110	9.4396	.00008	.28296	.00266
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00031**	**.00066**	**.01006**	**-.00001**	**.00876**	**-.00255**
Stddev	.00021	.00031	.01868	.00059	.00088	.00100
%RSD	68.206	46.620	185.71	5323.0	10.089	39.336
#1	.00016	.00087	.02326	.00040	.00938	-.00326
#2	.00045	.00044	-.00315	-.00043	.00813	-.00184
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**3212.8**	**49317.**	**5209.4**
Stddev	8.4	173.	102.6
%RSD	.26073	.35059	1.9699
#1	3218.7	49440.	5136.8
#2	3206.8	49195.	5281.9

Sample Name: 280-28156-A-8-B Acquired: 5/1/2012 18:11:39 Type: Unk
Method: 6500_025(v2) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 117232 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00038**	**.35204**	**.00342**	**.01426**	**.16893**	**.00018**	**-.00598**	**12.096**	**.00036**	**.00067**
Stddev	.00031	.00083	.00238	.00082	.00276	.00003	.00173	.135	.00014	.00017
%RSD	83.312	.23449	69.617	5.7257	1.6318	14.604	29.000	1.1190	39.106	25.588
#1	.00060	.35145	.00511	.01368	.17088	.00016	-.00720	12.192	.00026	.00055
#2	.00015	.35262	.00174	.01484	.16698	.00019	-.00475	12.000	.00046	.00079
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00072**	**-.00024**	**.26559**	**3.8448**	**.02670**	**8.2706**	**.10293**	**-.00022**	**30.072**	**.00158**
Stddev	.00017	.00045	.00156	.0321	.00004	.0006	.00006	.00018	.605	.00007
%RSD	24.011	187.82	.58741	.83441	.14762	.00706	.05635	81.158	2.0123	4.6355
#1	.00084	-.00056	.26669	3.8675	.02667	8.2702	.10297	-.00035	30.500	.00153
#2	.00060	.00008	.26449	3.8221	.02673	8.2711	.10288	-.00009	29.644	.00163
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.05227**	**-.00092**	**2.2799**	**-.00195**	**.00130**	**21.409**	**45.815**	**.00012**	**.35066**	**.00017**
Stddev	.00220	.00081	.0103	.00005	.00162	.364	.780	.00084	.00580	.00174
%RSD	4.2016	88.588	.45166	2.7770	124.09	1.7017	1.7017	708.89	1.6530	1024.1
#1	.05382	-.00150	2.2872	-.00199	.00245	21.666	46.366	-.00048	.35476	-.00106
#2	.05072	-.00034	2.2726	-.00191	.00016	21.151	45.264	.00071	.34656	.00140
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00563**	**.00166**	**.01658**	**.00009**	**.01152**	**-.00091**
Stddev	.00028	.00107	.03018	.00013	.00014	.00050
%RSD	5.0105	64.260	182.03	148.91	1.2051	54.897
#1	.00543	.00090	.03792	.00000	.01162	-.00056
#2	.00583	.00241	-.00476	.00018	.01143	-.00127
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**3227.6**	**49407.**	**5263.4**
Stddev	.4	48.	44.8
%RSD	.01388	.09649	.85038
#1	3227.9	49373.	5231.7
#2	3227.3	49441.	5295.0

Sample Name: 280-28156-A-9-B Acquired: 5/1/2012 18:14:01 Type: Unk
Method: 6500_025(v2) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 117232 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00045**	**.02288**	**.00136**	**.00805**	**.29263**	**.00067**	**-.00358**	**5.8236**	**.00022**	**.01218**
Stddev	.00034	.00012	.00514	.00037	.00270	.00011	.00127	.0412	.00003	.00001
%RSD	75.439	.54594	379.13	4.6246	.92413	16.206	35.538	.70795	12.357	.06430
#1	.00070	.02279	.00499	.00831	.29454	.00059	-.00449	5.8528	.00024	.01218
#2	.00021	.02296	-.00228	.00779	.29071	.00075	-.00268	5.7945	.00020	.01217
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00015**	**-.00001**	**.02000**	**2.0763**	**.00379**	**5.2791**	**.07325**	**-.00015**	**18.051**	**.00592**
Stddev	.00029	.00001	.00286	.0245	.00164	.0311	.00030	.00020	.507	.00039
%RSD	191.20	78.315	14.310	1.1812	43.149	.58975	.40877	131.63	2.8088	6.6645
#1	.00036	-.00001	.02202	2.0590	.00495	5.2571	.07304	-.00001	18.409	.00564
#2	-.00005	-.00002	.01797	2.0936	.00264	5.3011	.07346	-.00029	17.692	.00619
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.09847**	**-.00064**	**1.2743**	**-.00286**	**-.00036**	**13.826**	**29.587**	**.00064**	**.14564**	**.00047**
Stddev	.00074	.00049	.0115	.00103	.00077	.114	.244	.00040	.00140	.00141
%RSD	.75311	77.731	.90574	36.139	213.01	.82633	.82633	63.033	.96456	299.63
#1	.09795	-.00029	1.2824	-.00213	.00018	13.906	29.760	.00092	.14663	-.00053
#2	.09900	-.00098	1.2661	-.00358	-.00090	13.745	29.414	.00035	.14465	.00146
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00034**	**-.00018**	**.02760**	**-.00048**	**.00985**	**-.00139**
Stddev	.00001	.00269	.01670	.00006	.00028	.00198
%RSD	2.8812	1475.7	60.497	13.081	2.8207	142.68
#1	-.00035	-.00209	.03941	-.00052	.00965	-.00279
#2	-.00033	.00172	.01580	-.00043	.01004	.00001
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**3259.3**	**50014.**	**5299.4**
Stddev	14.7	251.	38.3
%RSD	.45099	.50268	.72297
#1	3248.9	50191.	5272.3
#2	3269.7	49836.	5326.5

Sample Name: 280-28156-A-10-D Acquired: 5/1/2012 18:16:23 Type: Unk
Method: 6500_025(v2) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 117232 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00044**	**.08523**	**-.00045**	**.00785**	**.03583**	**.00011**	**-.00714**	**1.3108**	**.00014**	**.00032**
Stddev	.00021	.00037	.00299	.00013	.00035	.00000	.00036	.0186	.00018	.00003
%RSD	47.987	.43230	658.40	1.5993	.97220	.66652	5.0138	1.4181	127.31	8.5477
#1	.00059	.08497	.00166	.00794	.03608	.00011	-.00740	1.3239	.00001	.00030
#2	.00029	.08549	-.00257	.00776	.03559	.00011	-.00689	1.2976	.00027	.00034
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Na8183
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	818.326 { 41}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00153**	**.00005**	**.12076**	**.84462**	**.00709**	**1.0449**	**.00268**	**-.00037**	**9.4509**	W **10.260**
Stddev	.00004	.00023	.00074	.03478	.00035	.0031	.00004	.00023	.0414	.024
%RSD	2.4088	496.58	.60920	4.1181	4.8946	.29682	1.3690	63.261	.43779	.23849
#1	.00156	.00021	.12024	.86922	.00734	1.0471	.00266	-.00020	9.4802	10.277
#2	.00151	-.00012	.12128	.82003	.00684	1.0427	.00271	-.00053	9.4216	10.242
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn
High Limit										500.00
Low Limit										11.000

Elem	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077
Line	231.604 {446}	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00082**	**.01826**	**-.00017**	**.07408**	**.00024**	**-.00064**	**14.383**	**30.780**	**.00028**	**.02928**
Stddev	.00036	.00367	.00021	.00212	.00074	.00055	.057	.122	.00007	.00010
%RSD	43.297	20.100	122.52	2.8664	313.64	86.706	.39655	.39655	25.182	.32468
#1	.00057	.02086	-.00032	.07258	.00076	-.00025	14.424	30.866	.00023	.02935
#2	.00108	.01567	-.00002	.07558	-.00029	-.00103	14.343	30.694	.00032	.02921
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	283.730 {119}	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00229**	**.00123**	**.00023**	**-.00651**	**-.00016**	**.00668**	**-.00067**
Stddev	.00014	.00030	.00067	.00440	.00046	.00023	.00127
%RSD	6.3012	24.217	292.96	67.639	279.76	3.4706	189.88
#1	.00219	.00102	.00070	-.00963	-.00049	.00652	-.00156
#2	.00240	.00144	-.00025	-.00340	.00016	.00685	.00023
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**3266.9**	**50504.**	**5300.7**
Stddev	3.2	296.	26.4
%RSD	.09830	.58661	.49871
#1	3269.2	50294.	5282.0
#2	3264.7	50713.	5319.4

Sample Name: 280-28156-A-12-B Acquired: 5/1/2012 18:18:45 Type: Unk
Method: 6500_025(v2) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 117232 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00085**	**.02536**	**-.00243**	**.00111**	**.00094**	**.00008**	**-.00118**	**.19900**	**.00023**	**-.00004**
Stddev	.00054	.00012	.00127	.00034	.00014	.00007	.00075	.00339	.00013	.00013
%RSD	62.806	.47684	52.269	30.557	14.798	86.886	63.329	1.7046	57.432	345.38
#1	.00048	.02527	-.00332	.00087	.00084	.00003	-.00171	.19660	.00014	-.00013
#2	.00123	.02544	-.00153	.00135	.00104	.00013	-.00065	.20140	.00033	.00006
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00000**	**-.00071**	**.00648**	**.06522**	**.00217**	**.00825**	**.00021**	**-.00028**	**.40735**	**-.00016**
Stddev	.00003	.00026	.00049	.06621	.00055	.00329	.00006	.00009	.00494	.00015
%RSD	632.26	37.162	7.5652	101.52	25.273	39.941	28.851	32.901	1.2115	90.448
#1	-.00002	-.00053	.00683	.01840	.00178	.01057	.00025	-.00035	.41084	-.00006
#2	.00003	-.00090	.00614	.11204	.00256	.00592	.00017	-.00022	.40386	-.00027
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00293**	**-.00025**	**.01822**	**-.00226**	**.00016**	**.74387**	**1.5919**	**.00043**	**.00033**	**.00121**
Stddev	.00004	.00018	.00069	.00161	.00335	.02427	.0519	.00019	.00007	.00062
%RSD	1.3023	72.539	3.7870	71.161	2147.0	3.2625	3.2625	44.451	22.442	51.592
#1	.00295	-.00012	.01871	-.00112	.00253	.72671	1.5552	.00030	.00027	.00165
#2	.00290	-.00038	.01773	-.00340	-.00222	.76103	1.6286	.00057	.00038	.00077
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00002**	**-.00070**	**.01657**	**-.00029**	**.00309**	**-.00075**
Stddev	.00007	.00062	.00029	.00006	.00074	.00011
%RSD	373.43	87.689	1.7451	22.043	24.043	14.415
#1	-.00007	-.00027	.01636	-.00034	.00257	-.00082
#2	.00003	-.00114	.01677	-.00025	.00362	-.00067
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**3282.3**	**50676.**	**5295.3**
Stddev	6.7	106.	47.6
%RSD	.20540	.20855	.89862
#1	3287.1	50750.	5328.9
#2	3277.6	50601.	5261.6

Sample Name: 280-28156-A-13-B Acquired: 5/1/2012 18:21:09 Type: Unk
Method: 6500_025(v2) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 117232 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00012**	**.36530**	**.01527**	**.01255**	**.48910**	**.00029**	**-.00547**	**8.2243**	**.00027**	**.01258**
Stddev	.00011	.00083	.00469	.00074	.00152	.00004	.00082	.0058	.00004	.00036
%RSD	90.784	.22724	30.730	5.9172	.31143	13.699	14.975	.07006	14.512	2.8807
#1	-.00020	.36588	.01195	.01307	.49017	.00032	-.00605	8.2284	.00024	.01232
#2	-.00004	.36471	.01859	.01202	.48802	.00027	-.00489	8.2202	.00030	.01283
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00058**	**.00086**	**15.246**	**1.8330**	**.00213**	**7.5701**	**.85894**	**-.00043**	**13.849**	**.00596**
Stddev	.00021	.00027	.042	.0057	.00325	.0363	.00245	.00034	.187	.00008
%RSD	36.777	31.792	.27677	.31171	152.44	.47994	.28538	79.226	1.3522	1.3461
#1	.00074	.00066	15.276	1.8289	-.00017	7.5958	.86068	-.00067	13.716	.00591
#2	.00043	.00105	15.216	1.8370	.00443	7.5444	.85721	-.00019	13.981	.00602
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.37128**	**.00132**	**.73393**	**-.00126**	**.00499**	**7.2023**	**15.413**	**-.00035**	**.10388**	**-.00125**
Stddev	.00211	.00001	.00250	.00272	.00222	.0615	.132	.00086	.00036	.00079
%RSD	.56871	1.0144	.34095	216.52	44.479	.85335	.85335	246.44	.34719	63.471
#1	.36978	.00131	.73216	-.00318	.00656	7.2458	15.506	-.00096	.10414	-.00069
#2	.37277	.00133	.73570	.00067	.00342	7.1589	15.320	.00026	.10363	-.00181
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00388**	**.00028**	**.00018**	**.00020**	**.01136**	**-.00163**
Stddev	.00011	.00030	.01090	.00009	.00022	.00050
%RSD	2.7863	107.07	6047.9	46.683	1.9108	30.961
#1	.00381	.00007	.00789	.00026	.01121	-.00198
#2	.00396	.00050	-.00753	.00013	.01152	-.00127
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**3273.9**	**49992.**	**5312.3**
Stddev	4.6	275.	1.9
%RSD	.14188	.55096	.03627
#1	3270.6	49797.	5310.9
#2	3277.2	50186.	5313.6

Sample Name: 280-28156-A-14-B Acquired: 5/1/2012 18:23:30 Type: Unk
Method: 6500_025(v2) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 117232 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00034**	**.05662**	**.01336**	**.01207**	**.49101**	**.00024**	**-.00385**	**8.3017**	**.00017**	**.01247**
Stddev	.00065	.00041	.00223	.00006	.00368	.00008	.00266	.0512	.00029	.00002
%RSD	191.17	.71835	16.670	.49443	.74965	34.290	69.010	.61694	167.96	.13070
#1	.00080	.05633	.01494	.01211	.48841	.00018	-.00573	8.2655	-.00003	.01248
#2	-.00012	.05690	.01179	.01203	.49361	.00030	-.00197	8.3379	.00038	.01246
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00013**	**-.00002**	**14.589**	**1.7566**	**.00398**	**7.6795**	**.87373**	**-.00060**	**14.128**	**.00590**
Stddev	.00012	.00006	.067	.0335	.00176	.0097	.00209	.00027	.191	.00003
%RSD	90.892	383.11	.46194	1.9064	44.123	.12563	.23927	45.364	1.3517	.48130
#1	.00005	-.00006	14.541	1.7329	.00522	7.6727	.87521	-.00041	13.993	.00592
#2	.00021	.00003	14.637	1.7802	.00274	7.6864	.87225	-.00080	14.263	.00588
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.40049**	**.00086**	**.74206**	**-.00097**	**.00223**	**6.7467**	**14.438**	**-.00059**	**.10391**	**-.00014**
Stddev	.00590	.00169	.00442	.00222	.00160	.0636	.136	.00051	.00040	.00013
%RSD	1.4741	197.03	.59567	227.54	71.677	.94322	.94322	87.791	.38505	96.494
#1	.39632	.00206	.73894	.00059	.00337	6.7017	14.342	-.00022	.10362	-.00004
#2	.40467	-.00034	.74519	-.00254	.00110	6.7917	14.534	-.00095	.10419	-.00023
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00067**	**.00075**	**.01594**	**-.00018**	**.00988**	**-.00113**
Stddev	.00026	.00042	.01511	.00002	.00058	.00060
%RSD	39.432	56.271	94.795	9.8096	5.8220	52.967
#1	.00085	.00105	.02662	-.00016	.00948	-.00155
#2	.00048	.00045	.00525	-.00019	.01029	-.00071
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**3240.3**	**49723.**	**5271.1**
Stddev	5.5	44.	20.6
%RSD	.16998	.08896	.39105
#1	3244.2	49691.	5285.7
#2	3236.4	49754.	5256.5

Sample Name: 280-28156-A-15-B Acquired: 5/1/2012 18:25:52 Type: Unk
Method: 6500_025(v2) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 117232 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00062**	**.28834**	**.00390**	**.01145**	**.05481**	**.00017**	**-.00716**	**2.9861**	**.00050**	**-.00039**
Stddev	.00037	.00117	.00026	.00008	.00054	.00010	.00009	.0288	.00024	.00018
%RSD	59.082	.40479	6.6934	.68405	.97837	60.798	1.2898	.96477	47.433	45.866
#1	.00089	.28917	.00371	.01139	.05443	.00024	-.00709	2.9657	.00067	-.00026
#2	.00036	.28752	.00408	.01150	.05519	.00009	-.00723	3.0064	.00033	-.00052
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00038**	**.00101**	**.27620**	**2.3524**	**.01674**	**1.6008**	**.01710**	**.00105**	**39.790**	**-.00001**
Stddev	.00027	.00028	.00324	.0789	.00065	.0065	.00008	.00002	.196	.00033
%RSD	70.044	27.504	1.1735	3.3518	3.8928	.40580	.45535	1.9163	.49219	6462.0
#1	.00019	.00121	.27391	2.2967	.01627	1.6053	.01716	.00106	39.652	-.00024
#2	.00057	.00081	.27849	2.4082	.01720	1.5962	.01705	.00103	39.929	.00023
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.05887**	**-.00136**	**4.7218**	**-.00250**	**.00102**	**36.268**	**77.613**	**-.00014**	**.07699**	**-.00104**
Stddev	.00169	.00001	.0246	.00107	.00090	.415	.889	.00018	.00120	.00021
%RSD	2.8723	.48344	.52187	42.823	87.547	1.1454	1.1454	126.22	1.5648	20.347
#1	.06007	-.00136	4.7392	-.00326	.00166	35.974	76.985	-.00027	.07614	-.00119
#2	.05768	-.00137	4.7044	-.00174	.00039	36.562	78.242	-.00002	.07784	-.00089
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00570**	**.00146**	**.01653**	**.00018**	**.00875**	**.00072**
Stddev	.00004	.00132	.00063	.00014	.00039	.00121
%RSD	.74164	90.121	3.8098	81.793	4.4716	168.34
#1	.00573	.00053	.01609	.00007	.00903	.00158
#2	.00567	.00239	.01698	.00028	.00848	-.00014
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**3244.9**	**49242.**	**5292.0**
Stddev	7.5	101.	75.4
%RSD	.22960	.20551	1.4255
#1	3239.6	49170.	5345.4
#2	3250.2	49313.	5238.7

Sample Name: CCVH-1390999 Acquired: 5/1/2012 18:28:14 Type: QC
Method: 6500_025(v2) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2714
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00169**	**49.384**	**.00056**	**.00238**	**.00027**	**.00006**	**1.0213**	**.01312**	**.00010**	**.00047**	**.00055**	**-.00481**	**49.200**
Stddev	.00011	.020	.00022	.00034	.00005	.00002	.0067	.00251	.00014	.00005	.00014	.00033	.113
%RSD	6.6099	.03968	38.436	14.293	18.709	31.937	.65755	19.121	148.96	10.965	25.263	6.9298	.23015
#1	-.00161	49.397	.00041	.00263	.00023	.00004	1.0166	.01134	.00020	.00043	.00065	-.00457	49.120
#2	-.00176	49.370	.00071	.00214	.00030	.00007	1.0261	.01489	-.00001	.00050	.00045	-.00504	49.280
Check ?	None	Chk Pass	None	None	None	None	Chk Pass	None	None	None	None	None	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.04268**	**.00219**	**-.02294**	**.00026**	**.00060**	**243.35**	**.00097**	**.00787**	**-.00097**	**5.0350**	**-.00253**	**.00606**	**.02146**
Stddev	.04118	.00145	.00450	.00005	.00017	.60	.00003	.00075	.00121	.0196	.00311	.00469	.01233
%RSD	96.481	66.195	19.610	20.244	28.561	.24514	2.5771	9.4877	124.50	.38856	123.15	77.454	57.457
#1	.01356	.00117	-.02612	.00030	.00072	242.93	.00095	.00840	-.00012	5.0212	-.00473	.00937	.03018
#2	.07180	.00322	-.01976	.00022	.00048	243.77	.00099	.00734	-.00182	5.0488	-.00033	.00274	.01274
Check ?	None	None	None	None	None	Chk Pass	None	None	None	Chk Pass	None	None	None
Value													
Range													

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.04593**	**.00161**	**.00039**	**5.1011**	**.00862**	**.00206**	**10.453**	**-.00422**	**.00188**	**-.04662**
Stddev	.02639	.00015	.00001	.0346	.00012	.00127	.062	.00015	.00055	.00480
%RSD	57.457	9.1671	2.5949	.67766	1.4241	61.713	.59003	3.6223	29.351	10.287
#1	.06459	.00172	.00038	5.1256	.00871	.00116	10.497	-.00411	.00149	-.05001
#2	.02727	.00151	.00039	5.0767	.00854	.00296	10.410	-.00433	.00228	-.04323
Check ?	None	None	None	Chk Pass	None	None	Chk Pass	None	None	None
Value										
Range										

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**3191.5**	**48134.**	**5278.7**
Stddev	10.9	274.	11.4
%RSD	.34131	.56841	.21557
#1	3199.2	47940.	5286.7
#2	3183.8	48327.	5270.6

Sample Name: CCV-1390955 Acquired: 5/1/2012 18:30:35 Type: QC
Method: 6500_025(v2) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.50095**	**.49383**	**.98084**	**.47532**	**.49373**	**.46977**	**-.00201**	**4.8229**	**.49632**	**.49032**	**.49326**	**.50840**	**2.4607**
Stddev	.00294	.00242	.00158	.00327	.00068	.00110	.00164	.0214	.00010	.00100	.00167	.00304	.0030
%RSD	.58695	.49094	.16095	.68877	.13788	.23468	81.699	.44335	.02106	.20310	.33864	.59776	.12105
#1	.49888	.49555	.98195	.47300	.49324	.46899	-.00317	4.8078	.49624	.48961	.49208	.50625	2.4585
#2	.50303	.49212	.97972	.47763	.49421	.47055	-.00085	4.8380	.49639	.49102	.49444	.51055	2.4628
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**48.227**	**.96414**	**19.316**	**.49387**	**.49278**	**4.8659**	**.48943**	**.93145**	**1.0138**	**.01832**	**.95709**	**.98718**	**4.7343**
Stddev	.014	.00082	.093	.00220	.00057	.0022	.00004	.00018	.0031	.00204	.00268	.00360	.0203
%RSD	.02998	.08483	.48078	.44611	.11500	.04564	.00818	.01948	.30722	11.146	.28031	.36514	.42813
#1	48.217	.96356	19.251	.49231	.49318	4.8643	.48941	.93158	1.0116	.01687	.95519	.98463	4.7487
#2	48.237	.96472	19.382	.49542	.49238	4.8675	.48946	.93132	1.0160	.01976	.95898	.98973	4.7200
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**10.131**	**.98579**	**.48661**	**.00120**	**.49022**	**1.0013**	**.02597**	**.50227**	**.50865**	**.49137**
Stddev	.043	.00103	.00051	.00077	.00162	.0006	.00572	.00145	.00351	.00162
%RSD	.42813	.10428	.10403	63.967	.33006	.05579	22.039	.28866	.69081	.32970
#1	10.162	.98506	.48697	.00174	.48908	1.0017	.03002	.50124	.50616	.49022
#2	10.101	.98651	.48625	.00066	.49136	1.0010	.02193	.50329	.51113	.49252
Check ?	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value										
Range										

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**3250.7**	**49426.**	**5275.8**
Stddev	2.3	296.	25.6
%RSD	.07127	.59870	.48501
#1	3249.1	49636.	5293.9
#2	3252.3	49217.	5257.7

Sample Name: CCB Acquired: 5/1/2012 18:32:48 Type: QC
Method: 6500_025(v2) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00048**	**-.00016**	**-.00299**	**.00066**	**.00027**	**.00012**	**-.00320**	**-.00058**	**.00005**	**-.00031**	**.00010**	**-.00091**	**-.00110**
Stddev	.00012	.00022	.00094	.00034	.00009	.00006	.00350	.00067	.00004	.00006	.00001	.00004	.00271
%RSD	25.681	136.43	31.597	52.204	33.637	54.258	109.32	115.15	70.806	19.374	8.6505	4.7087	247.35
#1	.00056	-.00031	-.00365	.00041	.00034	.00016	-.00073	-.00105	.00008	-.00026	.00010	-.00094	-.00302
#2	.00039	-.00001	-.00232	.00090	.00021	.00007	-.00568	-.00011	.00003	-.00035	.00009	-.00088	.00082
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit													
Low Limit													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.05145**	**.00251**	**-.00063**	**.00012**	**.00087**	**.07840**	**-.00046**	**.00332**	**.00041**	**.00836**	**.00214**	**.00105**	**-.01987**
Stddev	.02621	.00069	.00069	.00004	.00001	.01097	.00020	.00204	.00212	.00128	.00076	.00011	.00213
%RSD	50.937	27.436	109.49	29.796	1.5622	13.992	43.288	61.548	520.89	15.340	35.515	10.194	10.734
#1	.06998	.00202	-.00111	.00015	.00088	.08616	-.00060	.00477	.00190	.00927	.00160	.00112	-.01836
#2	.03292	.00300	-.00014	.00009	.00086	.07064	-.00032	.00188	-.00109	.00746	.00268	.00097	-.02137
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit													
Low Limit													

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.04251**	**.00083**	**.00008**	**.00010**	**-.00013**	**.00025**	**.01023**	**-.00046**	**.00166**	**-.00094**
Stddev	.00456	.00007	.00002	.00226	.00001	.00088	.02892	.00023	.00015	.00093
%RSD	10.734	8.1718	23.740	2363.4	10.240	345.91	282.69	50.561	9.2791	99.414
#1	-.03929	.00078	.00006	.00170	-.00013	.00088	-.01022	-.00030	.00155	-.00028
#2	-.04574	.00087	.00009	-.00150	-.00012	-.00037	.03068	-.00063	.00177	-.00160
Check ?	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**3248.0**	**50258.**	**5154.0**
Stddev	1.1	111.	24.8
%RSD	.03478	.22180	.48123
#1	3247.2	50179.	5171.5
#2	3248.8	50337.	5136.5

Sample Name: CCVL1390952 Acquired: 5/1/2012 18:35:12 Type: QC
Method: 6500_025(v2) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01061**	**.10077**	**.01253**	**.09692**	**.01012**	**.00100**	**.11754**	**.19362**	**.00504**	**.01023**	**.01015**	**.01496**	**.09669**
Stddev	.00021	.00032	.00031	.00215	.00015	.00008	.00031	.00163	.00011	.00024	.00020	.00051	.00094
%RSD	2.0222	.31514	2.4623	2.2154	1.5045	7.6197	.26129	.83929	2.1292	2.3263	1.9486	3.4155	.97448
#1	.01076	.10100	.01232	.09540	.01001	.00095	.11733	.19247	.00496	.01006	.01001	.01460	.09602
#2	.01046	.10055	.01275	.09844	.01023	.00105	.11776	.19477	.00511	.01040	.01029	.01532	.09735
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**2.9820**	**.01143**	**.20550**	**.01031**	**.01988**	**1.0585**	**.04081**	**2.7755**	**.00783**	**.00844**	F **.00610**	**.01441**	**.48300**
Stddev	.0275	.00166	.00216	.00023	.00006	.0101	.00022	.0046	.00027	.00333	.00150	.00718	.01504
%RSD	.92307	14.520	1.0517	2.2221	.31600	.94978	.53983	.16720	3.4939	39.456	24.668	49.837	3.1134
#1	3.0015	.01260	.20397	.01015	.01992	1.0514	.04096	2.7722	.00802	.01080	.00504	.00933	.47237
#2	2.9626	.01026	.20703	.01047	.01983	1.0656	.04065	2.7788	.00764	.00609	.00716	.01949	.49363
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Fail	Chk Pass	Chk Pass
Value											.01000		
Range											-30.000%		

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.0336**	**.10312**	**.00987**	**.01476**	**.00994**	**.01734**	**.07120**	**.00946**	**.02209**	**.01371**
Stddev	.0322	.00025	.00003	.00055	.00001	.00083	.00057	.00024	.00054	.00101
%RSD	3.1134	.23943	.34842	3.7597	.13511	4.7803	.79881	2.5406	2.4399	7.3621
#1	1.0109	.10295	.00990	.01515	.00995	.01675	.07160	.00929	.02171	.01300
#2	1.0564	.10330	.00985	.01436	.00993	.01793	.07079	.00963	.02247	.01443
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value										
Range										

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**3329.6**	**50992.**	**5344.9**
Stddev	3.6	676.	15.0
%RSD	.10806	1.3265	.28024
#1	3327.1	51471.	5355.5
#2	3332.2	50514.	5334.3

Sample Name: 280-28156-A-16-B Acquired: 5/1/2012 18:37:35 Type: Unk
Method: 6500_025(v2) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 117232 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00048**	**.08109**	**.02895**	**.01615**	**.28210**	**.00041**	**-.00943**	**4.1812**	**.00043**	**-.00041**
Stddev	.00039	.00028	.00243	.00040	.00009	.00001	.00036	.0056	.00015	.00007
%RSD	82.762	.34390	8.3771	2.4747	.03082	2.6512	3.8112	.13393	36.100	17.034
#1	.00020	.08089	.03067	.01587	.28204	.00042	-.00917	4.1772	.00032	-.00045
#2	.00075	.08128	.02724	.01643	.28216	.00041	-.00968	4.1852	.00054	-.00036
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00023**	**.00034**	**6.1596**	**2.7102**	**.03066**	**3.1083**	**.12205**	**.00014**	**17.411**	**.00077**
Stddev	.00001	.00021	.0063	.0133	.00166	.0080	.00042	.00011	.009	.00007
%RSD	4.2461	61.776	.10248	.49140	5.4107	.25689	.34556	79.276	.05050	9.4490
#1	.00023	.00019	6.1641	2.7008	.02949	3.1027	.12176	.00006	17.405	.00082
#2	.00022	.00048	6.1551	2.7196	.03184	3.1140	.12235	.00022	17.417	.00072
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **2.2373**	**.00073**	**5.8232**	**-.00141**	**.00041**	**48.796**	**104.42**	**-.00043**	**.13195**	**.00035**
Stddev	.0126	.00074	.0322	.00067	.00057	.071	.15	.00069	.00007	.00107
%RSD	.56192	101.47	.55227	47.537	140.15	.14462	.14462	158.54	.05332	307.17
#1	2.2284	.00021	5.8004	-.00188	.00081	48.746	104.32	.00005	.13200	.00111
#2	2.2462	.00125	5.8459	-.00093	.00000	48.846	104.53	-.00092	.13190	-.00041
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	2.0000									
Low Limit	-1.0000									

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00071**	**.00040**	**.00424**	**-.00026**	**.00487**	**.00056**
Stddev	.00005	.00015	.00989	.00014	.00002	.00027
%RSD	7.5636	38.134	233.04	53.308	.39226	47.803
#1	.00075	.00029	-.00275	-.00036	.00489	.00037
#2	.00067	.00051	.01124	-.00016	.00486	.00075
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**3262.7**	**49936.**	**5368.1**
Stddev	2.7	73.	16.8
%RSD	.08140	.14694	.31221
#1	3260.8	49884.	5356.2
#2	3264.6	49988.	5379.9

Sample Name: 280-28156-A-17-B Acquired: 5/1/2012 18:39:56 Type: Unk
Method: 6500_025(v2) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 117232 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00034**	**.85586**	**-.00275**	**.01039**	**.03599**	**.00038**	**-.00833**	**1.0997**	**.00037**	**-.00004**
Stddev	.00004	.00342	.00173	.00036	.00046	.00009	.00013	.0114	.00012	.00008
%RSD	10.763	.39960	62.851	3.4435	1.2840	23.635	1.5557	1.0323	33.261	191.06
#1	.00032	.85345	-.00397	.01065	.03566	.00044	-.00824	1.0917	.00045	-.00010
#2	.00037	.85828	-.00153	.01014	.03631	.00032	-.00842	1.1077	.00028	.00001
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Na8183
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	818.326 { 41}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00141**	**.00106**	**1.0226**	**1.7246**	**.01437**	**.81731**	**.00983**	**-.00010**	**10.457**	**11.388**
Stddev	.00013	.00003	.0118	.0537	.00157	.00224	.00003	.00023	.048	.246
%RSD	9.2982	2.8002	1.1540	3.1150	10.925	.27453	.31924	237.41	.45445	2.1577
#1	.00132	.00104	1.0143	1.6866	.01548	.81889	.00986	.00007	10.424	11.215
#2	.00151	.00108	1.0310	1.7626	.01326	.81572	.00981	-.00026	10.491	11.562
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077
Line	231.604 {446}	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00092**	**.06715**	**.00143**	**.53200**	**-.00081**	**.00052**	**34.540**	**73.917**	**.00013**	**.03751**
Stddev	.00001	.00175	.00221	.00229	.00100	.00169	.392	.839	.00040	.00024
%RSD	1.3201	2.6040	154.31	.43045	124.17	326.99	1.1355	1.1355	305.19	.63432
#1	.00091	.06839	.00300	.53362	-.00152	.00171	34.263	73.323	-.00015	.03734
#2	.00093	.06592	-.00013	.53038	-.00010	-.00068	34.818	74.510	.00041	.03767
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	283.730 {119}	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00075**	**.01430**	**.00108**	**.01087**	**.00101**	**.00953**	**-.00016**
Stddev	.00247	.00083	.00024	.01482	.00005	.00004	.00010
%RSD	330.87	5.7756	22.445	136.26	4.7639	.36917	61.531
#1	.00249	.01488	.00091	.00040	.00097	.00950	-.00009
#2	-.00100	.01371	.00125	.02135	.00104	.00955	-.00023
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**3269.2**	**50278.**	**5313.5**
Stddev	11.0	297.	42.5
%RSD	.33647	.59130	.79910
#1	3261.4	50068.	5343.5
#2	3277.0	50489.	5283.5

Sample Name: 280-28156-A-18-B Acquired: 5/1/2012 18:42:18 Type: Unk
Method: 6500_025(v2) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 117232 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00036**	**.28073**	**.00276**	**.01518**	**.04304**	**.00009**	**-.00737**	**24.591**	**.00055**	**-.00022**
Stddev	.00046	.00008	.00027	.00009	.00065	.00002	.00154	.360	.00010	.00002
%RSD	125.94	.02946	9.6380	.61238	1.5135	26.830	20.862	1.4623	18.677	8.6096
#1	.00069	.28067	.00257	.01511	.04350	.00008	-.00628	24.845	.00063	-.00023
#2	.00004	.28079	.00295	.01524	.04258	.00011	-.00845	24.337	.00048	-.00020
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00024**	**.00171**	**.21804**	**5.4180**	**.10849**	**13.386**	**.06332**	**.00834**	**139.06**	**.00078**
Stddev	.00019	.00022	.00468	.0813	.00334	.432	.00181	.00014	2.72	.00026
%RSD	77.731	13.003	2.1454	1.5013	3.0765	3.2254	2.8526	1.7241	1.9576	32.639
#1	.00038	.00187	.22134	5.4756	.11085	13.692	.06460	.00824	140.99	.00096
#2	.00011	.00156	.21473	5.3605	.10613	13.081	.06204	.00845	137.14	.00060
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.19176**	**.00019**	**26.296**	**-.00120**	**-.00150**	**28.009**	**59.940**	**-.00104**	**.62346**	**-.00025**
Stddev	.00459	.00007	.056	.00003	.00446	.386	.825	.00068	.01048	.00166
%RSD	2.3927	37.006	.21474	2.4356	298.25	1.3771	1.3771	65.269	1.6805	672.18
#1	.18852	.00014	26.256	-.00122	.00166	28.282	60.523	-.00056	.63087	-.00142
#2	.19501	.00024	26.336	-.00118	-.00465	27.736	59.356	-.00152	.61605	.00092
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00391**	**.00036**	**.02281**	**.00057**	**.00605**	**-.00013**
Stddev	.00018	.00052	.00278	.00063	.00022	.00072
%RSD	4.5304	145.09	12.195	110.27	3.7022	543.02
#1	.00403	-.00001	.02084	.00101	.00621	.00038
#2	.00378	.00072	.02478	.00013	.00589	-.00065
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**3140.2**	**47955.**	**5202.2**
Stddev	.3	1022.	41.9
%RSD	.00830	2.1321	.80550
#1	3140.4	47232.	5172.6
#2	3140.1	48678.	5231.8

Sample Name: 280-28156-A-19-B Acquired: 5/1/2012 18:44:40 Type: Unk
Method: 6500_025(v2) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 117232 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00051**	**.04032**	**-.00049**	**.02862**	**1.3734**	**.00395**	**-.00193**	**12.383**	**.00037**	**.03994**
Stddev	.00010	.00016	.00113	.00031	.0133	.00022	.00137	.113	.00002	.00026
%RSD	18.646	.39563	228.74	1.0722	.97084	5.6276	70.945	.91181	4.0145	.64244
#1	.00058	.04044	.00031	.02883	1.3640	.00379	-.00096	12.303	.00039	.03976
#2	.00045	.04021	-.00130	.02840	1.3828	.00410	-.00290	12.463	.00036	.04012
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00044**	**-.00019**	**.72972**	**6.2120**	**.00615**	**14.570**	**.63724**	**-.00012**	**21.241**	**.03652**
Stddev	.00023	.00025	.00891	.0664	.00311	.226	.00847	.00001	.137	.00022
%RSD	51.724	134.20	1.2205	1.0693	50.559	1.5543	1.3285	8.1250	.64647	.59291
#1	.00061	-.00001	.72342	6.1650	.00835	14.730	.64322	-.00011	21.143	.03637
#2	.00028	-.00037	.73602	6.2589	.00395	14.410	.63125	-.00013	21.338	.03668
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.08776**	**.00008**	**.89999**	**-.00188**	**-.00092**	**11.630**	**24.889**	**-.00032**	**.29067**	**.00006**
Stddev	.00045	.00076	.00954	.00148	.00180	.105	.225	.00014	.00248	.00035
%RSD	.51510	908.82	1.0595	78.742	195.95	.90270	.90270	44.444	.85466	590.18
#1	.08808	.00062	.89324	-.00083	.00035	11.556	24.730	-.00042	.28892	.00031
#2	.08744	-.00046	.90673	-.00293	-.00219	11.705	25.048	-.00022	.29243	-.00019
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00022**	**.00098**	**.00517**	**.00020**	**.02053**	**.00126**
Stddev	.00017	.00063	.00155	.00037	.00024	.00140
%RSD	76.105	64.715	30.025	182.99	1.1592	110.81
#1	.00034	.00053	.00626	-.00006	.02037	.00225
#2	.00010	.00143	.00407	.00046	.02070	.00027
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**3226.5**	**49286.**	**5270.9**
Stddev	24.8	500.	15.1
%RSD	.76809	1.0151	.28723
#1	3244.0	48933.	5281.6
#2	3208.9	49640.	5260.2

Sample Name: 280-28156-A-20-B Acquired: 5/1/2012 18:47:02 Type: Unk
Method: 6500_025(v2) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 117232 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00009**	**.45749**	**-.00152**	**.01053**	**.02115**	**.00014**	**-.00527**	**.74072**	**.00028**	**.00048**
Stddev	.00018	.00289	.00006	.00057	.00042	.00003	.00080	.02204	.00014	.00014
%RSD	201.60	.63216	4.2556	5.4111	1.9988	21.952	15.136	2.9749	48.372	29.921
#1	-.00004	.45953	-.00147	.01013	.02145	.00016	-.00583	.75630	.00019	.00038
#2	.00022	.45544	-.00156	.01094	.02085	.00012	-.00470	.72514	.00038	.00058
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00162**	**.00094**	**.33535**	**1.0555**	**.00154**	**.51481**	**.01016**	**-.00042**	**2.0746**	**.00068**
Stddev	.00002	.00022	.00832	.0166	.00295	.00551	.00003	.00047	.0465	.00050
%RSD	1.4781	23.594	2.4809	1.5744	192.13	1.0711	.34427	111.11	2.2419	73.100
#1	.00160	.00109	.34123	1.0673	.00363	.51871	.01014	-.00075	2.1075	.00033
#2	.00163	.00078	.32947	1.0438	-.00055	.51091	.01019	-.00009	2.0417	.00104
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01084**	**-.00060**	**.10084**	**-.00167**	**.00055**	**7.6576**	**16.387**	**.00013**	**.01233**	**.00094**
Stddev	.00014	.00043	.00415	.00087	.00147	.1464	.313	.00102	.00040	.00001
%RSD	1.3299	71.449	4.1201	52.215	268.05	1.9120	1.9120	783.71	3.2532	1.3586
#1	.01074	-.00030	.10378	-.00229	-.00049	7.7612	16.609	-.00059	.01261	.00093
#2	.01094	-.00091	.09790	-.00105	.00159	7.5541	16.166	.00085	.01205	.00095
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00606**	**-.00024**	**.01063**	**.00018**	**.00829**	**-.00077**
Stddev	.00063	.00059	.00688	.00009	.00020	.00011
%RSD	10.340	247.60	64.714	52.183	2.4169	14.757
#1	.00650	.00018	.01549	.00011	.00844	-.00085
#2	.00562	-.00066	.00576	.00025	.00815	-.00069
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**3275.0**	**49944.**	**5293.9**
Stddev	29.8	58.	95.8
%RSD	.90859	.11527	1.8087
#1	3254.0	49985.	5226.2
#2	3296.1	49904.	5361.6

Sample Name: sd280-28156-A-20-B@5 Acquired: 5/1/2012 18:49:24 Type: Unk
Method: 6500_025(v2) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 117232 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00044**	**.10401**	**-.00327**	**.00254**	**.00451**	**.00005**	**-.00259**	**.15443**	**.00005**	**.00001**
Stddev	.00028	.00001	.00063	.00068	.00018	.00004	.00149	.00359	.00005	.00003
%RSD	63.480	.01346	19.229	26.853	3.8992	85.649	57.485	2.3225	101.98	221.04
#1	.00024	.10402	-.00371	.00302	.00463	.00002	-.00154	.15697	.00001	.00004
#2	.00064	.10400	-.00282	.00206	.00438	.00008	-.00364	.15190	.00009	-.00001
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00047**	**-.00049**	**.08173**	**.25193**	**.00281**	**.10337**	**.00218**	**-.00030**	**.47891**	**-.00012**
Stddev	.00015	.00057	.00079	.07077	.00175	.00158	.00000	.00027	.01131	.00015
%RSD	31.109	115.22	.96250	28.093	62.248	1.5330	.14441	91.233	2.3607	122.96
#1	.00037	-.00009	.08228	.30197	.00405	.10449	.00218	-.00011	.47092	-.00002
#2	.00058	-.00090	.08117	.20188	.00157	.10225	.00218	-.00049	.48690	-.00023
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00042**	**.00063**	**.02622**	**-.00322**	**.00116**	**1.5693**	**3.3582**	**.00060**	**.00257**	**.00134**
Stddev	.00221	.00060	.00491	.00104	.00539	.0025	.0053	.00095	.00002	.00112
%RSD	527.95	96.418	18.722	32.241	464.91	.15709	.15709	157.81	.70566	83.559
#1	.00198	.00105	.02969	-.00395	.00498	1.5710	3.3620	.00127	.00256	.00055
#2	-.00114	.00020	.02275	-.00249	-.00265	1.5675	3.3545	-.00007	.00258	.00213
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00184**	**.00136**	**.01446**	**-.00022**	**.00407**	**-.00124**
Stddev	.00068	.00006	.01704	.00004	.00038	.00099
%RSD	36.888	4.5620	117.89	16.538	9.3495	80.031
#1	.00232	.00132	.02651	-.00019	.00380	-.00054
#2	.00136	.00141	.00241	-.00024	.00434	-.00194
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**3251.0**	**50699.**	**5233.9**
Stddev	24.6	326.	6.7
%RSD	.75684	.64374	.12792
#1	3233.6	50468.	5238.7
#2	3268.3	50930.	5229.2

Sample Name: 280-28156-A-20-C MS Acquired: 5/1/2012 18:51:48 Type: Unk
Method: 6500_025(v2) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 117232 6010B

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.05197**	**3.3787**	**1.0529**	**.98577**	**2.0725**	**.04993**	F **2.1822**	**50.148**	**.10382**	**.50565**
Stddev	.00116	.0284	.0095	.00854	.0071	.00039	.0220	.211	.00087	.00427
%RSD	2.2382	.83953	.90008	.86625	.34198	.77648	1.0096	.42101	.83530	.84409
#1	.05279	3.3586	1.0596	.99181	2.0675	.04966	2.1978	49.999	.10443	.50866
#2	.05114	3.3987	1.0462	.97973	2.0775	.05021	2.1667	50.298	.10321	.50263
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit							.10000			
Low Limit							-.10000			

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.20906**	**.25993**	**1.6250**	**51.692**	**1.0142**	**49.725**	**.51848**	**1.0176**	**54.615**	**.50581**
Stddev	.00135	.00071	.0181	.247	.0037	.001	.00020	.0093	.073	.00397
%RSD	.64679	.27425	1.1158	.47875	.36598	.00204	.03895	.91502	.13286	.78541
#1	.21002	.25943	1.6122	51.517	1.0116	49.726	.51834	1.0242	54.666	.50862
#2	.20811	.26043	1.6378	51.867	1.0169	49.724	.51863	1.0110	54.564	.50301
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **9.9916**	**.51407**	**.12269**	**.48744**	**2.0831**	**19.480**	**41.688**	W **2.0071**	**1.0393**	**1.0366**
Stddev	.0815	.00285	.00483	.00054	.0086	.138	.296	.0148	.0050	.0035
%RSD	.81600	.55517	3.9331	.11126	.41445	.70907	.70907	.73933	.47792	.33583
#1	10.049	.51609	.11928	.48782	2.0892	19.383	41.479	2.0176	1.0358	1.0391
#2	9.9339	.51205	.12610	.48706	2.0769	19.578	41.897	1.9966	1.0428	1.0341
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass
High Limit	2.0000							2.0000		
Low Limit	-1.0000							-.05000		

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.0113**	**2.0451**	**2.2183**	**.52102**	**.51734**	**.49460**
Stddev	.0017	.0175	.0116	.00005	.00045	.00046
%RSD	.17148	.85391	.52262	.01002	.08669	.09205
#1	1.0126	2.0574	2.2101	.52099	.51766	.49428
#2	1.0101	2.0327	2.2265	.52106	.51703	.49492
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**3094.3**	**47833.**	**5155.1**
Stddev	25.0	64.	43.0
%RSD	.80903	.13363	.83457
#1	3076.6	47878.	5185.5
#2	3112.0	47788.	5124.6

Sample Name: 280-28156-A-20-D MSD Acquired: 5/1/2012 18:53:56 Type: Unk
Method: 6500_025(v2) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 117232 6010B

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.05239**	**3.3259**	**1.0329**	**.87095**	**2.0585**	**.04942**	F **2.1366**	**49.691**	**.10172**	**.49380**
Stddev	.00073	.0695	.0084	.00316	.0262	.00065	.0021	.716	.00024	.00172
%RSD	1.3994	2.0893	.81152	.36333	1.2744	1.3216	.09944	1.4418	.23418	.34901
#1	.05291	3.3751	1.0388	.86872	2.0770	.04988	2.1351	50.197	.10155	.49258
#2	.05187	3.2768	1.0270	.87319	2.0399	.04896	2.1381	49.184	.10189	.49502
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit							.10000			
Low Limit							-.10000			

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.20480**	**.26109**	**1.6251**	**51.353**	**1.0040**	**49.817**	**.52002**	**.89765**	**53.569**	**.49603**
Stddev	.00112	.00531	.0182	.589	.0115	.710	.00792	.00500	.816	.00266
%RSD	.54809	2.0350	1.1201	1.1474	1.1470	1.4244	1.5234	.55727	1.5240	.53661
#1	.20401	.26485	1.6379	51.770	1.0121	50.319	.52562	.89411	54.146	.49414
#2	.20559	.25734	1.6122	50.936	.99585	49.315	.51442	.90119	52.992	.49791
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **9.7864**	**.50040**	**.12535**	**.42779**	**2.0345**	**18.302**	**39.166**	**1.7624**	**1.0321**	**1.0398**
Stddev	.0162	.00301	.00351	.00378	.0149	.218	.466	.0099	.0133	.0185
%RSD	.16550	.60200	2.8018	.88400	.73340	1.1907	1.1907	.55947	1.2833	1.7830
#1	9.7749	.49827	.12287	.42512	2.0239	18.456	39.496	1.7554	1.0415	1.0529
#2	9.7978	.50253	.12784	.43047	2.0450	18.148	38.837	1.7694	1.0227	1.0267
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	2.0000									
Low Limit	-1.0000									

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.90976**	**2.0029**	**2.2052**	**.52037**	**.52206**	**.43830**
Stddev	.01115	.0051	.0421	.00817	.00990	.00412
%RSD	1.2251	.25606	1.9077	1.5699	1.8969	.93952
#1	.91764	1.9993	2.2350	.52615	.52906	.44121
#2	.90188	2.0065	2.1755	.51460	.51506	.43538
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**3129.5**	**47508.**	**5162.2**
Stddev	10.9	568.	70.0
%RSD	.34675	1.1961	1.3558
#1	3137.2	47106.	5112.7
#2	3121.9	47910.	5211.7

Sample Name: CCVH-1390999 Acquired: 5/1/2012 18:56:05 Type: QC
Method: 6500_025(v2) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2714
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00115**	**49.295**	**-.00181**	**.00361**	**.00093**	**.00016**	**1.0116**	**.01809**	**-.00003**	**.00058**	**.00042**	**-.00476**	**48.941**
Stddev	.00042	.172	.00270	.00081	.00022	.00003	.0019	.00139	.00024	.00009	.00026	.00041	.276
%RSD	36.657	.34889	148.65	22.432	23.018	21.526	.18786	7.6912	734.93	15.951	62.140	8.6872	.56415
#1	-.00145	49.416	.00009	.00418	.00109	.00019	1.0103	.01907	-.00020	.00052	.00060	-.00446	49.136
#2	-.00085	49.173	-.00372	.00303	.00078	.00014	1.0130	.01711	.00013	.00065	.00023	-.00505	48.746
Check ?	None	Chk Pass	None	None	None	None	Chk Pass	None	None	None	None	None	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.09387**	**.00266**	**-.02336**	**.00018**	**.00171**	**242.37**	**.00144**	**.00632**	**-.00026**	**4.9518**	**-.00069**	**.00741**	**.01162**
Stddev	.02781	.00195	.00190	.00003	.00041	1.35	.00014	.00252	.00083	.0220	.00152	.00204	.00037
%RSD	29.626	73.079	8.1379	14.401	23.884	.55877	9.7217	39.776	318.30	.44518	219.55	27.476	3.1952
#1	.11354	.00404	-.02470	.00019	.00142	243.33	.00154	.00810	.00033	4.9362	.00038	.00885	.01188
#2	.07421	.00129	-.02201	.00016	.00200	241.41	.00134	.00455	-.00085	4.9673	-.00176	.00597	.01136
Check ?	None	None	None	None	None	Chk Pass	None	None	None	Chk Pass	None	None	None
Value													
Range													

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.02486**	**.00255**	**.00050**	**5.0399**	**.00853**	**.00319**	**10.309**	**-.00423**	**.00227**	**-.04494**
Stddev	.00079	.00068	.00003	.0198	.00029	.00079	.091	.00014	.00004	.00154
%RSD	3.1952	26.689	5.5346	.39324	3.3817	24.867	.88334	3.2222	1.5771	3.4172
#1	.02543	.00303	.00052	5.0540	.00833	.00375	10.374	-.00433	.00230	-.04602
#2	.02430	.00207	.00048	5.0259	.00874	.00263	10.245	-.00414	.00225	-.04385
Check ?	None	None	None	Chk Pass	None	None	Chk Pass	None	None	None
Value										
Range										

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**3148.0**	**47253.**	**5167.5**
Stddev	5.7	142.	4.7
%RSD	.18026	.30060	.09001
#1	3152.0	47153.	5170.8
#2	3144.0	47354.	5164.2

Sample Name: CCV-1390955 Acquired: 5/1/2012 18:58:25 Type: QC
Method: 6500_025(v2) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.49986**	**.49020**	**.99636**	**.48117**	**.48426**	**.46138**	**-.00317**	**4.7197**	**.50028**	**.49498**	**.49877**	**.50748**	**2.4120**
Stddev	.00237	.00405	.00592	.00159	.01209	.01223	.00015	.0994	.00446	.00471	.00499	.00157	.0543
%RSD	.47508	.82614	.59413	.33002	2.4971	2.6516	4.7351	2.1059	.89153	.95065	1.0007	.30972	2.2493
#1	.49818	.49306	1.0005	.48229	.49281	.47003	-.00328	4.7900	.50343	.49831	.50230	.50637	2.4504
#2	.50154	.48734	.99217	.48004	.47570	.45273	-.00306	4.6495	.49712	.49165	.49524	.50859	2.3736
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**47.378**	**.94723**	**19.365**	**.49476**	**.49759**	**4.7957**	**.49450**	**.94075**	**1.0230**	**.01007**	**.96578**	**.98932**	**4.7000**
Stddev	1.166	.02119	.071	.00125	.00467	.1088	.00347	.00564	.0059	.00190	.00719	.00263	.0885
%RSD	2.4620	2.2373	.36636	.25329	.93831	2.2686	.70183	.59997	.57923	18.832	.74476	.26587	1.8835
#1	48.203	.96221	19.315	.49387	.50089	4.8726	.49695	.94474	1.0272	.01141	.97087	.98746	4.7626
#2	46.553	.93224	19.415	.49564	.49429	4.7188	.49204	.93675	1.0189	.00873	.96069	.99118	4.6374
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**10.058**	**.99518**	**.47691**	**.00136**	**.48980**	**1.0138**	**.00179**	**.50151**	**.50727**	**.48123**
Stddev	.189	.00705	.01207	.00044	.00172	.0076	.04541	.00057	.00114	.01082
%RSD	1.8835	.70877	2.5308	32.538	.35188	.74595	2533.9	.11344	.22429	2.2477
#1	10.192	1.0002	.48544	.00167	.48859	1.0192	-.03031	.50110	.50646	.48888
#2	9.9240	.99019	.46837	.00105	.49102	1.0085	.03390	.50191	.50807	.47358
Check ?	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value										
Range										

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**3206.0**	**49040.**	**5274.8**
Stddev	22.6	77.	73.8
%RSD	.70418	.15607	1.3987
#1	3190.0	49094.	5222.7
#2	3222.0	48986.	5327.0

Sample Name: CCB Acquired: 5/1/2012 19:00:37 Type: QC
Method: 6500_025(v2) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00031**	**-.00045**	**-.00264**	**.00153**	**.00015**	**.00011**	**-.00101**	**-.00181**	**.00024**	**-.00018**	**.00019**	**-.00128**
Stddev	.00050	.00032	.00435	.00142	.00024	.00002	.00046	.00190	.00012	.00008	.00013	.00039
%RSD	157.36	72.546	164.87	92.926	157.16	14.025	45.760	105.03	47.734	41.637	68.873	30.227
#1	-.00004	-.00022	-.00571	.00253	.00032	.00012	-.00068	-.00047	.00032	-.00013	.00028	-.00155
#2	.00066	-.00068	.00044	.00052	-.00002	.00010	-.00133	-.00315	.00016	-.00024	.00010	-.00101
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit												
Low Limit												

Elem	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00057**	**.03862**	**.00117**	**.00067**	**.00009**	**.00081**	W **.09694**	**-.00054**	**.00177**	**-.00135**	**.01034**	**.00079**
Stddev	.00196	.04319	.00208	.00082	.00004	.00022	.00411	.00007	.00044	.00072	.00076	.00170
%RSD	343.13	111.84	177.04	122.02	39.075	27.471	4.2352	12.757	24.864	53.429	7.3519	214.47
#1	.00196	.06916	-.00030	.00009	.00012	.00065	.09984	-.00049	.00208	-.00084	.01088	-.00041
#2	-.00081	.00808	.00264	.00125	.00007	.00097	.09403	-.00058	.00146	-.00186	.00980	.00200
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							.09160					
Low Limit							-.09160					

Elem	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00355**	**-.00954**	**-.02042**	**.00085**	**.00008**	**.00160**	**.00016**	**.00016**	**.02861**	**.00001**	**.00201**	**-.00223**
Stddev	.00182	.00492	.01053	.00069	.00004	.00250	.00000	.00142	.00307	.00056	.00079	.00046
%RSD	51.147	51.575	51.575	80.469	45.305	155.57	1.3075	904.35	10.725	10978.	39.118	20.837
#1	.00483	-.01302	-.02787	.00134	.00005	-.00016	.00016	.00116	.03078	-.00039	.00257	-.00190
#2	.00227	-.00606	-.01297	.00037	.00010	.00337	.00016	-.00085	.02644	.00040	.00146	-.00256
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit												
Low Limit												

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**3218.6**	**49589.**	**5170.6**
Stddev	.7	299.	5.7
%RSD	.02110	.60217	.11062
#1	3218.1	49378.	5174.7
#2	3219.1	49800.	5166.6

Sample Name: CCVL1390952 Acquired: 5/1/2012 19:03:03 Type: QC
Method: 6500_025(v2) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599	K_7664
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01074**	**.10344**	**.01293**	**.09923**	**.01024**	**.00104**	**.11757**	**.19630**	**.00536**	**.01028**	**.01045**	**.01477**	**.09961**	**3.0614**
Stddev	.00018	.00007	.00036	.00053	.00023	.00004	.00182	.00069	.00013	.00009	.00026	.00061	.00350	.0435
%RSD	1.6653	.06779	2.7687	.53073	2.2208	3.9389	1.5482	.34942	2.4332	.89961	2.4526	4.0980	3.5116	1.4193
#1	.01086	.10339	.01268	.09960	.01008	.00101	.11629	.19678	.00526	.01022	.01064	.01520	.09714	3.0307
#2	.01061	.10349	.01319	.09886	.01040	.00107	.11886	.19581	.00545	.01035	.01027	.01435	.10209	3.0921
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value														
Range														

Elem	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01157**	**.20812**	**.01036**	**.02006**	**1.1006**	**.04111**	**2.8310**	**.00987**	**.00869**	**.00771**	**.01756**	**.47765**	**1.0222**	**.10574**
Stddev	.00133	.00166	.00006	.00012	.0011	.00015	.0002	.00133	.00027	.00097	.00101	.00996	.0213	.00097
%RSD	11.476	.79611	.54375	.58927	.09613	.36186	.00800	13.439	3.0916	12.536	5.7341	2.0859	2.0859	.91464
#1	.01251	.20695	.01032	.02014	1.1014	.04101	2.8308	.01081	.00850	.00702	.01828	.47060	1.0071	.10505
#2	.01064	.20929	.01040	.01998	1.0999	.04122	2.8311	.00893	.00888	.00839	.01685	.48469	1.0372	.10642
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value														
Range														

Elem	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00990**	**.01436**	**.01023**	**.01640**	**.07789**	**.00942**	**.02381**	**.01560**
Stddev	.00000	.00041	.00007	.00178	.00470	.00047	.00005	.00008
%RSD	.04151	2.8535	.72217	10.861	6.0380	5.0304	.20159	.52464
#1	.00990	.01465	.01018	.01514	.07456	.00908	.02385	.01554
#2	.00990	.01407	.01029	.01766	.08121	.00975	.02378	.01566
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value								
Range								

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**3295.4**	**50862.**	**5258.1**
Stddev	7.2	30.	16.2
%RSD	.21776	.05881	.30870
#1	3300.5	50883.	5269.6
#2	3290.3	50841.	5246.6

Sample Name: 280-28002-A-27-J Acquired: 5/1/2012 19:05:27 Type: Unk
Method: 6500_025(v2) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 117135 6010c q4

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00056**	**97.622**	**.05183**	**.02480**	**1.5522**	**.00405**	**-.00400**	**28.993**	**.00165**	**.08100**
Stddev	.00022	.293	.00540	.00048	.0039	.00005	.00184	.067	.00008	.00008
%RSD	39.668	.29968	10.415	1.9329	.25382	1.3574	46.067	.22958	4.8394	.10261
#1	-.00040	97.829	.04801	.02514	1.5549	.00409	-.00530	29.040	.00160	.08094
#2	-.00071	97.416	.05565	.02446	1.5494	.00401	-.00270	28.946	.00171	.08105
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	271.441 {124}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.22891**	**.09491**	**161.90**	**13.048**	**.08030**	**43.523**	**2.7642**	**.00204**	**1.0265**	**.25773**
Stddev	.00049	.00025	.37	.085	.00149	.038	.0017	.00011	.0076	.00034
%RSD	.21411	.26690	.22609	.64865	1.8516	.08748	.06207	5.5211	.74489	.13124
#1	.22926	.09509	162.16	13.108	.08135	43.550	2.7654	.00196	1.0319	.25749
#2	.22856	.09473	161.64	12.989	.07925	43.496	2.7630	.00212	1.0211	.25797
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **4.9445**	**.08320**	**1.4024**	**-.00200**	**.00574**	**2.1339**	**4.5666**	**.00828**	**.26704**	**.03868**
Stddev	.0073	.00055	.0027	.00138	.00230	.0212	.0453	.00053	.00058	.00180
%RSD	.14840	.65540	.19368	68.909	40.006	.99150	.99150	6.3532	.21766	4.6441
#1	4.9497	.08359	1.4005	-.00298	.00736	2.1190	4.5346	.00865	.26746	.03741
#2	4.9394	.08281	1.4043	-.00103	.00411	2.1489	4.5986	.00791	.26663	.03996
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	2.0000									
Low Limit	-1.0000									

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.6183**	**.00045**	F **-.12342**	**.30548**	**.52544**	**.09483**
Stddev	.0007	.00279	.00457	.00025	.00224	.00060
%RSD	.04441	616.51	3.6999	.08281	.42591	.63547
#1	1.6178	.00242	-.12665	.30530	.52385	.09526
#2	1.6188	-.00152	-.12019	.30566	.52702	.09441
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit			50.000			
Low Limit			-.10000			

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**3425.1**	**51829.**	**5748.2**
Stddev	2.2	209.	30.0
%RSD	.06497	.40331	.52255
#1	3423.5	51682.	5727.0
#2	3426.7	51977.	5769.5

Sample Name: 280-28002-A-27-K MS Acquired: 5/1/2012 19:07:43 Type: Unk
Method: 6500_025(v2) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 117135 6010c q4

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.04880**	**144.61**	**1.0126**	**.91394**	**3.7483**	**.04972**	F **1.9727**	**74.389**	**.09651**	**.53346**
Stddev	.00070	1.14	.0052	.00151	.0265	.00034	.0015	.546	.00017	.00045
%RSD	1.4405	.78530	.51702	.16471	.70746	.69027	.07504	.73397	.18128	.08466
#1	.04930	143.81	1.0089	.91500	3.7296	.04948	1.9716	74.003	.09638	.53378
#2	.04830	145.41	1.0163	.91287	3.7671	.04997	1.9737	74.775	.09663	.53314
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit							.10000			
Low Limit							-.10000			

Elem	Cr2055	Cu3247	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	271.441 {124}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.49269**	**.34605**	**179.13**	**65.944**	**1.0175**	**93.618**	**3.3483**	**.89940**	**50.009**	**.70786**
Stddev	.00062	.00098	1.40	.444	.0067	.303	.0133	.00102	.380	.00135
%RSD	.12513	.28260	.78007	.67283	.65842	.32336	.39848	.11391	.75988	.19125
#1	.49226	.34674	178.14	65.630	1.0128	93.832	3.3578	.90012	49.740	.70690
#2	.49313	.34536	180.12	66.258	1.0222	93.404	3.3389	.89867	50.277	.70882
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **13.657**	**.53385**	**1.4917**	**.18895**	**1.8742**	**4.5044**	**9.6393**	**1.7645**	**1.2796**	**1.0132**
Stddev	.052	.00065	.0076	.00267	.0030	.0442	.0946	.0034	.0078	.0044
%RSD	.37994	.12182	.50896	1.4105	.15847	.98178	.98178	.19548	.61083	.43316
#1	13.620	.53431	1.4970	.18707	1.8721	4.4731	9.5724	1.7620	1.2741	1.0163
#2	13.694	.53340	1.4863	.19084	1.8763	4.5356	9.7062	1.7669	1.2852	1.0101
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	2.0000									
Low Limit	-1.0000									

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**3.7516**	**1.7590**	**1.9370**	**.95805**	**1.0204**	**.57326**
Stddev	.0087	.0040	.0167	.00440	.0025	.00338
%RSD	.23088	.22900	.86445	.45927	.24717	.58904
#1	3.7577	1.7619	1.9252	.96116	1.0222	.57087
#2	3.7454	1.7562	1.9488	.95494	1.0186	.57565
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**3301.7**	**49701.**	**5680.0**
Stddev	3.4	270.	49.8
%RSD	.10268	.54335	.87605
#1	3299.3	49510.	5715.2
#2	3304.1	49892.	5644.8

Sample Name: 280-28002-A-27-L MSD Acquired: 5/1/2012 19:09:52 Type: Unk
Method: 6500_025(v2) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 117135 6010c q4

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.04850**	**141.34**	**1.0131**	**.90214**	**3.6925**	**.04876**	F **1.9519**	**73.499**	**.09552**	**.53194**
Stddev	.00046	2.11	.0106	.00367	.0565	.00058	.0030	.946	.00026	.00020
%RSD	.94910	1.4944	1.0426	.40675	1.5299	1.1926	.15167	1.2871	.27457	.03708
#1	.04818	139.85	1.0205	.90473	3.6526	.04835	1.9498	72.831	.09571	.53208
#2	.04883	142.83	1.0056	.89954	3.7324	.04917	1.9540	74.168	.09534	.53180
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit							.10000			
Low Limit							-.10000			

Elem	Cr2055	Cu3247	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	271.441 {124}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.48597**	**.34560**	**195.46**	**64.227**	**.99772**	**92.944**	**3.6684**	**.89338**	**48.989**	**.71158**
Stddev	.00051	.00117	2.66	1.009	.01572	.092	.0001	.00245	.513	.00000
%RSD	.10593	.33749	1.3600	1.5712	1.5761	.09931	.00225	.27421	1.0473	.00051
#1	.48560	.34477	193.58	63.514	.98660	92.879	3.6683	.89165	48.626	.71158
#2	.48633	.34642	197.34	64.941	1.0088	93.010	3.6684	.89511	49.352	.71158
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **13.990**	**.53004**	**1.4090**	**.19153**	**1.8428**	**4.4601**	**9.5446**	**1.7459**	**1.2527**	**.99708**
Stddev	.009	.00232	.0130	.00175	.0030	.0793	.1698	.0061	.0186	.00027
%RSD	.06662	.43732	.92287	.91569	.16353	1.7788	1.7788	.34722	1.4865	.02666
#1	13.996	.52841	1.3998	.19029	1.8407	4.4040	9.4245	1.7416	1.2395	.99727
#2	13.983	.53168	1.4182	.19277	1.8449	4.5162	9.6646	1.7502	1.2658	.99689
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	2.0000									
Low Limit	-1.0000									

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**3.6336**	**1.7404**	**1.8880**	**.97001**	**1.0253**	**.56571**
Stddev	.0027	.0085	.0143	.00155	.0004	.00798
%RSD	.07450	.48833	.75860	.15972	.04381	1.4097
#1	3.6355	1.7344	1.8981	.97111	1.0256	.56007
#2	3.6317	1.7464	1.8778	.96892	1.0250	.57135
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**3300.8**	**49915.**	**5720.7**
Stddev	4.7	15.	71.6
%RSD	.14169	.03049	1.2520
#1	3297.5	49904.	5771.3
#2	3304.1	49925.	5670.1

Sample Name: 280-28002-A-28-D Acquired: 5/1/2012 19:12:01 Type: Unk
Method: 6500_025(v2) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 117135 6010c q4

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00024**	**117.81**	**.10182**	**.08230**	**1.0316**	**.00758**	**-.00188**	**141.72**	**.00291**	**.07755**
Stddev	.00004	.12	.00610	.00101	.0024	.00002	.00167	.09	.00009	.00023
%RSD	14.990	.10180	5.9899	1.2280	.23765	.28075	88.868	.06669	3.0202	.29701
#1	.00026	117.89	.10613	.08159	1.0333	.00760	-.00070	141.79	.00297	.07738
#2	.00021	117.72	.09751	.08302	1.0299	.00757	-.00306	141.66	.00285	.07771
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	271.441 {124}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.19187**	**.23111**	**165.40**	**18.142**	**.15265**	**108.85**	**3.6510**	**.00794**	**5.6721**	**.20296**
Stddev	.00006	.00051	.13	.064	.00372	.15	.0030	.00030	.0095	.00031
%RSD	.03141	.21979	.07975	.35546	2.4363	.13611	.08144	3.8144	.16772	.15471
#1	.19183	.23075	165.50	18.188	.15002	108.74	3.6531	.00772	5.6654	.20318
#2	.19192	.23147	165.31	18.097	.15528	108.95	3.6489	.00815	5.6788	.20274
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **4.5825**	**.13575**	**6.1377**	**.00124**	**.00885**	**2.5139**	**5.3798**	**.00921**	**.39128**	**.06362**
Stddev	.0114	.00013	.0162	.00016	.00249	.0060	.0129	.00043	.00121	.00148
%RSD	.24921	.09401	.26361	12.540	28.107	.24055	.24055	4.6913	.30911	2.3188
#1	4.5744	.13566	6.1262	.00135	.00709	2.5096	5.3706	.00890	.39214	.06466
#2	4.5906	.13584	6.1491	.00113	.01061	2.5182	5.3889	.00951	.39043	.06258
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	2.0000									
Low Limit	-1.0000									

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.2057**	**.00110**	F **-.20373**	**.26622**	**.57846**	**.12961**
Stddev	.0011	.00200	.00955	.00092	.00072	.00037
%RSD	.09452	181.50	4.6859	.34613	.12501	.28562
#1	1.2049	-.00031	-.21048	.26557	.57897	.12987
#2	1.2065	.00252	-.19698	.26687	.57795	.12934
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit			50.000			
Low Limit			-.10000			

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**3410.0**	**51655.**	**5904.0**
Stddev	.5	39.	25.3
%RSD	.01413	.07453	.42863
#1	3409.6	51628.	5921.9
#2	3410.3	51682.	5886.1

Sample Name: 280-28002-A-29-D Acquired: 5/1/2012 19:14:16 Type: Unk
Method: 6500_025(v2) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 117135 6010c q4

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00002**	**112.43**	**.16699**	**.06139**	**1.0790**	**.00750**	**.00004**	**194.40**	**.00307**	**.06352**
Stddev	.00053	.57	.00004	.00115	.0050	.00000	.00364	.95	.00012	.00043
%RSD	2308.9	.50733	.02541	1.8783	.45937	.01029	8425.9	.48677	4.0587	.67045
#1	-.00035	112.83	.16702	.06058	1.0825	.00750	-.00253	195.07	.00316	.06383
#2	.00039	112.03	.16696	.06221	1.0755	.00751	.00262	193.73	.00299	.06322
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	271.441 {124}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.13935**	**.21112**	**166.26**	**18.611**	**.14346**	**85.537**	**3.3370**	**.00750**	**1.1206**	**.16461**
Stddev	.00015	.00067	1.07	.101	.00005	.182	.0049	.00002	.0019	.00029
%RSD	.10877	.31512	.64127	.54436	.03314	.21294	.14633	.24894	.16562	.17825
#1	.13924	.21065	167.02	18.682	.14350	85.408	3.3336	.00749	1.1193	.16441
#2	.13945	.21159	165.51	18.539	.14343	85.666	3.3405	.00751	1.1220	.16482
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **3.3403**	**.15513**	**2.6682**	**-.00206**	**.00953**	**2.7191**	**5.8189**	**.00913**	**.33789**	**.06583**
Stddev	.0028	.00091	.0046	.00083	.00333	.0363	.0777	.00047	.00133	.00345
%RSD	.08478	.58824	.17174	40.332	34.933	1.3353	1.3353	5.1245	.39352	5.2401
#1	3.3383	.15578	2.6714	-.00265	.00718	2.7448	5.8738	.00946	.33883	.06339
#2	3.3423	.15449	2.6649	-.00148	.01188	2.6934	5.7640	.00880	.33695	.06827
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	2.0000									
Low Limit	-1.0000									

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.77562**	**.00154**	F **-.19581**	**.21451**	**.52796**	**.08631**
Stddev	.00025	.00077	.03550	.00024	.00213	.00151
%RSD	.03198	50.303	18.129	.11101	.40373	1.7550
#1	.77579	.00208	-.22091	.21468	.52645	.08738
#2	.77544	.00099	-.17071	.21434	.52946	.08524
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit			50.000			
Low Limit			-.10000			

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**3401.8**	**51415.**	**5858.5**
Stddev	.8	198.	8.9
%RSD	.02251	.38425	.15122
#1	3401.2	51275.	5864.7
#2	3402.3	51555.	5852.2

Sample Name: 280-28002-A-30-D Acquired: 5/1/2012 19:16:32 Type: Unk
Method: 6500_025(v2) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 117135 6010c q4

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00012**	**109.42**	**.07206**	**.05905**	**1.0253**	**.00660**	**-.00503**	**184.95**	**.00262**	**.06733**
Stddev	.00057	.09	.00638	.00023	.0003	.00002	.00427	.39	.00014	.00032
%RSD	466.55	.08287	8.8514	.39793	.03326	.31384	84.907	.21335	5.2232	.46889
#1	.00028	109.48	.06755	.05889	1.0255	.00659	-.00201	185.23	.00272	.06756
#2	-.00053	109.35	.07657	.05922	1.0250	.00662	-.00804	184.67	.00252	.06711
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	271.441 {124}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.18052**	**.18354**	**151.02**	**17.344**	**.11632**	**95.805**	**3.2655**	**.00388**	**1.4867**	**.16194**
Stddev	.00010	.00022	.17	.022	.00060	.253	.0052	.00037	.0040	.00012
%RSD	.05750	.11752	.11025	.12427	.51954	.26378	.15965	9.4901	.27135	.07300
#1	.18044	.18339	151.14	17.359	.11590	95.626	3.2618	.00362	1.4896	.16202
#2	.18059	.18369	150.91	17.329	.11675	95.984	3.2692	.00414	1.4839	.16185
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **4.8307**	**.12199**	**2.3029**	**.00122**	**.00874**	**2.3746**	**5.0817**	**.00647**	**.47744**	**.05904**
Stddev	.0122	.00291	.0014	.00081	.00057	.0232	.0497	.00135	.00008	.00423
%RSD	.25250	2.3874	.05991	66.564	6.4944	.97716	.97716	20.810	.01691	7.1684
#1	4.8393	.11993	2.3039	.00065	.00914	2.3910	5.1168	.00743	.47739	.05605
#2	4.8221	.12405	2.3019	.00180	.00834	2.3582	5.0466	.00552	.47750	.06203
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	2.0000									
Low Limit	-1.0000									

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.1713**	**-.00122**	F **-.19656**	**.24873**	**.52570**	**.08460**
Stddev	.0033	.00200	.01768	.00098	.00073	.00069
%RSD	.28527	164.48	8.9962	.39350	.13885	.81338
#1	1.1690	.00020	-.18405	.24803	.52621	.08508
#2	1.1737	-.00263	-.20906	.24942	.52518	.08411
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit			50.000			
Low Limit			-.10000			

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**3391.2**	**51089.**	**5856.5**
Stddev	4.5	109.	8.0
%RSD	.13284	.21292	.13681
#1	3388.0	51166.	5850.9
#2	3394.4	51012.	5862.2

Sample Name: 280-28002-A-31-D Acquired: 5/1/2012 19:18:49 Type: Unk
Method: 6500_025(v2) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 117135 6010c q4

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00023**	**121.50**	**.10349**	**.07271**	**1.7907**	**.00720**	**-.00179**	**121.50**	**.00379**	**.08096**
Stddev	.00002	.53	.00210	.00091	.0053	.00011	.00135	.32	.00012	.00000
%RSD	7.6018	.43902	2.0330	1.2567	.29736	1.4776	75.422	.26461	3.1768	.00203
#1	.00025	121.12	.10498	.07207	1.7869	.00712	-.00274	121.27	.00370	.08096
#2	.00022	121.87	.10200	.07336	1.7944	.00727	-.00083	121.72	.00387	.08096
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	271.441 {124}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.19333**	**.21762**	**177.26**	**22.888**	**.11983**	**86.034**	**5.4514**	**.00664**	**1.7235**	**.21262**
Stddev	.00027	.00060	.29	.004	.00135	.232	.0678	.00015	.0138	.00032
%RSD	.13713	.27685	.16524	.01750	1.1247	.26912	1.2429	2.3237	.80342	.14848
#1	.19352	.21805	177.05	22.885	.11887	86.198	5.4035	.00674	1.7138	.21284
#2	.19315	.21719	177.47	22.891	.12078	85.871	5.4994	.00653	1.7333	.21239
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **5.7104**	**.15923**	**3.1316**	**.00128**	**.01017**	**2.4505**	**5.2441**	**.00902**	**.34688**	**.05882**
Stddev	.0009	.00070	.0120	.00055	.00022	.0188	.0401	.00047	.00071	.00131
%RSD	.01643	.43878	.38406	43.112	2.2082	.76546	.76546	5.1974	.20341	2.2202
#1	5.7111	.15874	3.1401	.00167	.01001	2.4638	5.2725	.00935	.34638	.05975
#2	5.7098	.15972	3.1231	.00089	.01033	2.4373	5.2158	.00869	.34738	.05790
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	2.0000									
Low Limit	-1.0000									

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.3710**	**.00231**	F **-.19041**	**.30713**	**.66699**	**.12998**
Stddev	.0034	.00090	.03942	.00114	.00480	.00217
%RSD	.24481	38.885	20.703	.37230	.71890	1.6730
#1	1.3734	.00295	-.16254	.30794	.67038	.13152
#2	1.3687	.00168	-.21829	.30632	.66360	.12844
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit			50.000			
Low Limit			-.10000			

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**3448.1**	**51802.**	**5930.3**
Stddev	7.8	41.	30.7
%RSD	.22603	.07958	.51728
#1	3442.6	51773.	5952.0
#2	3453.6	51831.	5908.7

Sample Name: 280-28002-A-32-D Acquired: 5/1/2012 19:21:11 Type: Unk
Method: 6500_025(v2) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 117135 6010c q4

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00056**	**127.43**	**.11805**	**.07109**	**1.9537**	**.00786**	**.00082**	**140.92**	**.00402**	**.09006**
Stddev	.00026	.01	.00276	.00079	.0024	.00001	.00355	.15	.00003	.00024
%RSD	46.532	.00643	2.3384	1.1149	.12306	.06609	435.16	.10860	.85588	.26578
#1	.00074	127.43	.12000	.07165	1.9520	.00786	-.00169	140.82	.00399	.09023
#2	.00037	127.44	.11610	.07053	1.9554	.00785	.00332	141.03	.00404	.08989
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	271.441 {124}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.20376**	**.23684**	**196.02**	**24.088**	**.12878**	**91.830**	**6.3460**	**.00669**	**1.8049**	**.24042**
Stddev	.00112	.00020	.48	.093	.00257	.020	.0757	.00045	.0041	.00114
%RSD	.55181	.08302	.24650	.38695	1.9941	.02196	1.1937	6.7070	.22821	.47468
#1	.20296	.23670	195.68	24.022	.12696	91.844	6.2924	.00637	1.8079	.24122
#2	.20455	.23698	196.36	24.154	.13059	91.816	6.3996	.00701	1.8020	.23961
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **6.2305**	**.17288**	**3.4397**	**-.00266**	**.01526**	**2.2902**	**4.9010**	**.00971**	**.37680**	**.06208**
Stddev	.0111	.00003	.0023	.00344	.00230	.0064	.0138	.00093	.00069	.00057
%RSD	.17874	.01966	.06791	129.27	15.041	.28063	.28063	9.5884	.18389	.91414
#1	6.2226	.17286	3.4381	-.00509	.01364	2.2856	4.8912	.01036	.37631	.06249
#2	6.2384	.17291	3.4414	-.00023	.01689	2.2947	4.9107	.00905	.37729	.06168
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	2.0000									
Low Limit	-1.0000									

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.3690**	**-.00001**	F **-.20996**	**.32495**	**.72098**	**.13617**
Stddev	.0021	.00170	.01264	.00064	.00303	.00129
%RSD	.15302	16447.	6.0200	.19774	.42044	.94516
#1	1.3705	.00119	-.21890	.32449	.72313	.13526
#2	1.3676	-.00122	-.20102	.32540	.71884	.13708
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit			50.000			
Low Limit			-.10000			

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**3475.8**	**51922.**	**5948.0**
Stddev	1.1	80.	9.8
%RSD	.03174	.15405	.16419
#1	3476.6	51866.	5954.9
#2	3475.0	51979.	5941.1

Sample Name: CCVH-1390999 Acquired: 5/1/2012 19:23:32 Type: QC
Method: 6500_025(v2) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2714
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00168**	**48.495**	**.00061**	**.00203**	**.00108**	**.00004**	**1.0094**	**.04452**	**.00009**	**.00015**	**.00047**	**-.00452**	**48.512**
Stddev	.00024	.045	.00027	.00032	.00019	.00006	.0032	.00255	.00003	.00012	.00012	.00003	.103
%RSD	14.146	.09306	43.631	15.545	17.462	163.01	.31833	5.7291	28.619	79.649	24.688	.76714	.21141
#1	-.00151	48.527	.00042	.00225	.00122	.00008	1.0117	.04632	.00011	.00024	.00055	-.00449	48.585
#2	-.00185	48.463	.00080	.00180	.00095	-.00001	1.0072	.04272	.00008	.00007	.00039	-.00454	48.440
Check ?	None	Chk Pass	None	None	None	None	Chk Pass	None	None	None	None	None	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.09054**	**.00271**	**.00150**	**.00169**	**.00057**	**239.51**	**.00086**	**.00552**	**-.00119**	**4.9747**	**-.00359**	**.00917**	**-.00315**
Stddev	.01422	.00005	.00462	.00006	.00007	1.01	.00005	.00092	.00042	.0037	.00024	.00461	.00634
%RSD	15.705	1.6628	308.33	3.7803	12.397	.42253	5.6070	16.606	35.373	.07350	6.6823	50.254	201.47
#1	.10059	.00268	.00476	.00174	.00062	240.22	.00082	.00617	-.00149	4.9773	-.00342	.00591	-.00763
#2	.08048	.00274	-.00177	.00165	.00052	238.79	.00089	.00488	-.00089	4.9721	-.00376	.01243	.00134
Check ?	None	None	None	None	None	Chk Pass	None	None	None	Chk Pass	None	None	None
Value													
Range													

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00674**	**.00172**	**.00050**	**4.9988**	**.00889**	**.00177**	**10.256**	**-.00435**	**.00091**	**-.04438**
Stddev	.01357	.00108	.00007	.0161	.00025	.00199	.038	.00053	.00123	.00040
%RSD	201.47	63.170	14.140	.32148	2.8208	112.09	.37049	12.122	135.03	.89816
#1	-.01633	.00095	.00055	5.0101	.00871	.00037	10.283	-.00397	.00004	-.04466
#2	.00286	.00248	.00045	4.9874	.00907	.00318	10.229	-.00472	.00178	-.04409
Check ?	None	None	None	Chk Pass	None	None	Chk Pass	None	None	None
Value										
Range										

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**3171.6**	**47951.**	**5275.1**
Stddev	2.5	33.	44.7
%RSD	.07761	.06810	.84817
#1	3173.3	47974.	5243.5
#2	3169.9	47928.	5306.8

Sample Name: CCV-1390955 Acquired: 5/1/2012 19:25:52 Type: QC
Method: 6500_025(v2) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.50005**	**.50443**	**.98971**	**.47808**	**.48916**	**.46530**	**-.00370**	**4.7528**	**.50006**	**.49549**	**.49863**	**.50914**	**2.4543**
Stddev	.00125	.00020	.00114	.00115	.00029	.00109	.00122	.0077	.00075	.00038	.00035	.00113	.0071
%RSD	.25016	.03968	.11558	.24041	.05848	.23384	32.967	.16288	.15023	.07670	.06936	.22234	.29018
#1	.49916	.50428	.99052	.47727	.48896	.46453	-.00284	4.7474	.49953	.49522	.49838	.50834	2.4493
#2	.50093	.50457	.98890	.47889	.48936	.46607	-.00456	4.7583	.50059	.49576	.49887	.50994	2.4594
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**47.897**	**.94958**	**19.430**	**.49609**	**.49649**	**4.8184**	**.49448**	**.94038**	**1.0272**	**.01223**	**.96364**	**1.0053**	**4.6700**
Stddev	.100	.00049	.043	.00085	.00009	.0338	.00098	.00101	.0030	.00117	.00182	.0087	.0365
%RSD	.20890	.05127	.22138	.17196	.01849	.70110	.19868	.10767	.29591	9.5759	.18857	.86442	.78174
#1	47.827	.94993	19.399	.49549	.49643	4.8423	.49379	.93966	1.0294	.01306	.96236	1.0114	4.6441
#2	47.968	.94924	19.460	.49669	.49656	4.7945	.49518	.94109	1.0251	.01140	.96493	.99915	4.6958
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**9.9937**	**.99248**	**.48219**	**.00238**	**.48897**	**1.0143**	**.00604**	**.49854**	**.50820**	**.48834**
Stddev	.0781	.00324	.00083	.00226	.00116	.0014	.03116	.00074	.00176	.00268
%RSD	.78174	.32628	.17239	94.765	.23680	.13777	515.69	.14895	.34541	.54923
#1	9.9385	.99477	.48160	.00079	.48978	1.0133	.02808	.49801	.50696	.49023
#2	10.049	.99019	.48278	.00398	.48815	1.0153	-.01599	.49906	.50944	.48644
Check ?	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value										
Range										

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**3226.3**	**49235.**	**5293.5**
Stddev	7.7	222.	9.5
%RSD	.23839	.45017	.17933
#1	3231.8	49391.	5286.7
#2	3220.9	49078.	5300.2

Sample Name: CCB Acquired: 5/1/2012 19:28:05 Type: QC
Method: 6500_025(v2) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00031**	**.00449**	**-.00152**	**.00041**	**.00047**	**.00019**	**-.00196**	**.00584**	**.00004**	**-.00026**	**-.00005**	**-.00122**
Stddev	.00004	.00049	.00171	.00011	.00008	.00001	.00064	.00270	.00010	.00015	.00020	.00037
%RSD	12.930	10.808	112.72	27.373	17.683	7.6087	32.574	46.288	241.73	57.228	413.53	30.600
#1	.00034	.00484	-.00031	.00049	.00053	.00020	-.00151	.00775	.00011	-.00037	.00009	-.00096
#2	.00028	.00415	-.00273	.00033	.00041	.00018	-.00241	.00393	-.00003	-.00016	-.00019	-.00148
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit												
Low Limit												

Elem	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00906**	**.04972**	**.00238**	**.00662**	**.00023**	**.00101**	W **.10573**	**-.00032**	**.00199**	**.00018**	**.00932**	**.00078**
Stddev	.00276	.04203	.00099	.00141	.00007	.00004	.00324	.00046	.00146	.00081	.00243	.00007
%RSD	30.466	84.529	41.494	21.263	30.897	3.8641	3.0635	143.27	73.356	441.37	26.116	8.4346
#1	.01101	.07943	.00308	.00762	.00028	.00103	.10344	.00000	.00096	-.00039	.01104	.00073
#2	.00711	.02000	.00168	.00563	.00018	.00098	.10802	-.00065	.00302	.00076	.00760	.00082
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							.09160					
Low Limit							-.09160					

Elem	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00460**	**-.01573**	**-.03366**	**.00192**	**.00012**	**.00071**	**.00058**	**-.00054**	**.02183**	**-.00025**	**.00244**	**-.00237**
Stddev	.00051	.00097	.00208	.00139	.00008	.00147	.00022	.00265	.02905	.00012	.00060	.00139
%RSD	11.135	6.1761	6.1761	72.149	61.967	205.10	37.469	490.57	133.09	47.195	24.553	58.869
#1	.00424	-.01504	-.03219	.00290	.00018	-.00032	.00073	.00133	.04236	-.00017	.00201	-.00138
#2	.00497	-.01642	-.03513	.00094	.00007	.00175	.00042	-.00241	.00129	-.00034	.00286	-.00335
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit												
Low Limit												

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**3257.8**	**50168.**	**5264.9**
Stddev	.4	24.	48.4
%RSD	.01365	.04882	.91910
#1	3258.1	50186.	5230.7
#2	3257.5	50151.	5299.1

Sample Name: CCVL1390952 Acquired: 5/1/2012 19:30:29 Type: QC
Method: 6500_025(v2) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01055**	**.10441**	**.01366**	**.09727**	**.01032**	**.00104**	**.11576**	**.19563**	**.00509**	**.01012**	**.00992**	**.01436**	**.10056**
Stddev	.00023	.00076	.00100	.00069	.00054	.00002	.00036	.00164	.00011	.00008	.00002	.00030	.00280
%RSD	2.1802	.73016	7.3193	.71245	5.1869	1.7063	.30825	.83582	2.2548	.76686	.20674	2.1230	2.7856
#1	.01071	.10495	.01437	.09678	.00994	.00105	.11551	.19447	.00501	.01006	.00994	.01414	.09858
#2	.01039	.10387	.01296	.09776	.01070	.00103	.11601	.19678	.00517	.01017	.00991	.01457	.10254
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**3.0051**	F **.01483**	**.20925**	**.01042**	**.01974**	**1.0810**	**.04061**	**2.7954**	**.00965**	**.00855**	**.00774**	**.01585**	**.45637**
Stddev	.0008	.00008	.00584	.00004	.00010	.0128	.00010	.0157	.00042	.00039	.00187	.00381	.01528
%RSD	.02572	.51930	2.7917	.34350	.49681	1.1836	.23906	.56144	4.3557	4.5717	24.088	24.020	3.3476
#1	3.0056	.01477	.21339	.01039	.01967	1.0720	.04068	2.7843	.00994	.00828	.00642	.01316	.44557
#2	3.0045	.01488	.20512	.01044	.01981	1.0901	.04054	2.8065	.00935	.00883	.00906	.01854	.46717
Check ?	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value		.01000											
Range		30.000%											

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.97663**	**.10190**	**.00990**	**.01548**	**.00991**	**.01858**	**.07320**	**.00941**	**.02220**	**.01288**
Stddev	.03269	.00049	.00003	.00097	.00015	.00126	.01008	.00000	.00009	.00028
%RSD	3.3476	.47674	.33290	6.2523	1.5123	6.7932	13.777	.03522	.39419	2.1816
#1	.95351	.10156	.00988	.01480	.00980	.01769	.08033	.00941	.02214	.01308
#2	.99974	.10225	.00992	.01617	.01002	.01947	.06607	.00941	.02226	.01268
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value										
Range										

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**3323.0**	**51063.**	**5303.6**
Stddev	5.3	210.	7.2
%RSD	.15874	.41035	.13541
#1	3326.7	51211.	5308.7
#2	3319.2	50915.	5298.6

Sample Name: LB 280-117437/1-B Acquired: 5/1/2012 19:32:52 Type: Unk
Method: 6500_025(v2) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 117539 6010b tclp

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00004**	**.00342**	W **-.00563**	W **.00984**	F **.01206**	**.00003**	**-.00131**	W **.17544**	**.00021**	**-.00027**
Stddev	.00037	.00021	.00390	.00035	.00023	.00007	.00027	.00222	.00014	.00013
%RSD	836.83	6.2630	69.345	3.5315	1.8840	243.04	20.811	1.2641	68.973	49.458
#1	-.00031	.00327	-.00839	.01009	.01190	.00008	-.00112	.17387	.00031	-.00036
#2	.00022	.00358	-.00287	.00960	.01222	-.00002	-.00150	.17701	.00011	-.00017
Check ?	Chk Pass	Chk Pass	Chk Warn	Chk Warn	Chk Fail	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass
High Limit			.00500	.00500	.01000			.10000		
Low Limit			-.00500	-.00500	-.01000			-.10000		

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00019**	**.00292**	**.00371**	**.09700**	**.00179**	**.02118**	**.00026**	**-.00029**	**263.91**	**.00024**
Stddev	.00005	.00036	.00103	.00227	.00113	.00154	.00002	.00036	.81	.00053
%RSD	26.222	12.430	27.670	2.3446	62.922	7.2552	7.2026	123.09	.30865	219.93
#1	.00022	.00266	.00443	.09539	.00259	.02227	.00024	-.00054	263.33	.00062
#2	.00015	.00317	.00298	.09861	.00099	.02010	.00027	-.00004	264.48	-.00014
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00314**	**-.00057**	F **.01162**	**-.00177**	**.00109**	F **-.01418**	**-.03035**	**.00092**	**.00058**	**.00101**
Stddev	.00425	.00119	.00130	.00145	.00196	.00283	.00606	.00071	.00004	.00140
%RSD	135.47	209.00	11.144	81.758	179.67	19.964	19.964	77.329	6.5919	138.50
#1	.00013	.00027	.01071	-.00280	-.00029	-.01218	-.02606	.00142	.00060	.00200
#2	.00614	-.00142	.01254	-.00075	.00247	-.01618	-.03463	.00042	.00055	.00002
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Fail	None	Chk Pass	Chk Pass	Chk Pass
High Limit			.01000			.01000				
Low Limit			-.01000			-.01000				

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00009**	**-.00055**	**.00465**	**-.00059**	W **.00689**	**.00051**
Stddev	.00039	.00080	.01775	.00033	.00064	.00012
%RSD	428.46	145.14	382.15	56.600	9.2364	22.840
#1	.00019	-.00112	.01720	-.00035	.00734	.00060
#2	-.00037	.00001	-.00791	-.00082	.00644	.00043
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass
High Limit					.00500	
Low Limit					-.00500	

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**3103.2**	**47343.**	**5277.2**
Stddev	1.5	98.	60.3
%RSD	.04872	.20671	1.1422
#1	3102.1	47412.	5319.8
#2	3104.3	47274.	5234.6

Sample Name: LCS 280-117437/2-B Acquired: 5/1/2012 19:35:18 Type: Unk
Method: 6500_025(v2) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 117539 6010b tclp

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.20570**	W **.36542**	**.78954**	**.18693**	**2.2722**	**.00887**	**.38561**	**9.1304**	**.21709**	**.09190**
Stddev	.00037	.00285	.00531	.00048	.0014	.00012	.00039	.0106	.00039	.00037
%RSD	.17821	.77903	.67308	.25922	.06367	1.3344	.10239	.11658	.18116	.40056
#1	.20596	.36744	.79330	.18727	2.2733	.00896	.38589	9.1379	.21736	.09164
#2	.20544	.36341	.78578	.18659	2.2712	.00879	.38533	9.1229	.21681	.09216
Check ?	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
High Limit		.43200								
Low Limit		1.7200								

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.0082**	**.45244**	**.21011**	**9.3487**	**.18255**	F **8.8454**	**.09569**	**.19276**	F **264.68**	**.09203**
Stddev	.0012	.00153	.00172	.0048	.00101	.0236	.00067	.00082	.49	.00021
%RSD	.12306	.33806	.81876	.05126	.55298	.26724	.69974	.42647	.18342	.22926
#1	1.0091	.45136	.20889	9.3453	.18327	8.8286	.09521	.19335	265.03	.09217
#2	1.0074	.45353	.21132	9.3521	.18184	8.8621	.09616	.19218	264.34	.09188
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Fail	Chk Pass
High Limit						11.300			11.200	
Low Limit						9.2000			9.1000	

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.8458**	**1.0483**	**.09910**	F **.08618**	**.58406**	F **1.8168**	F **3.8880**	**.37634**	**.18679**	**.19091**
Stddev	.0035	.0027	.00044	.00228	.00391	.0157	.0335	.00067	.00011	.00112
%RSD	.18989	.25813	.44564	2.6470	.66875	.86133	.86133	.17702	.06075	.58873
#1	1.8483	1.0503	.09879	.08779	.58130	1.8279	3.9117	.37681	.18687	.19012
#2	1.8434	1.0464	.09941	.08456	.58682	1.8058	3.8643	.37587	.18671	.19171
Check ?	Chk Pass	Chk Pass	None	Chk Fail	Chk Pass	Chk Fail	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit				.10800		2.3000	4.9220			
Low Limit				.08800		1.8800	4.0200			

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.19063**	**.35823**	**.43152**	**.09766**	**.50805**	**.09178**
Stddev	.00004	.00064	.04791	.00047	.00316	.00081
%RSD	.02113	.17728	11.102	.47716	.62188	.88044
#1	.19060	.35868	.39764	.09799	.50581	.09235
#2	.19066	.35778	.46539	.09733	.51028	.09121
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**3096.7**	**47008.**	**5275.1**
Stddev	2.0	97.	10.8
%RSD	.06362	.20601	.20465
#1	3098.1	47076.	5267.4
#2	3095.4	46939.	5282.7

Sample Name: 280-28166-A-1-B Acquired: 5/1/2012 19:37:37 Type: Unk
Method: 6500_025(v2) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 117539 6010b tclp

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00049**	**.06095**	**-.00461**	**.00589**	**.11180**	**.00009**	**-.00496**	**1.7379**	**.00026**	**.00022**
Stddev	.00002	.00063	.00220	.00063	.00037	.00002	.00196	.0047	.00003	.00025
%RSD	3.9489	1.0264	47.586	10.681	.33206	26.798	39.550	.27131	13.017	114.79
#1	.00051	.06140	-.00306	.00634	.11154	.00007	-.00635	1.7346	.00029	.00004
#2	.00048	.06051	-.00617	.00545	.11206	.00010	-.00357	1.7413	.00024	.00039
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00076**	**.00606**	**1.0713**	**.32869**	**.00239**	**.15021**	**.02988**	**.00010**	**265.01**	**.00108**
Stddev	.00028	.00003	.0004	.02397	.00146	.00066	.00002	.00010	.15	.00020
%RSD	36.687	.43868	.03929	7.2916	61.168	.43946	.05387	98.615	.05765	18.144
#1	.00057	.00608	1.0716	.31174	.00136	.15067	.02987	.00017	264.90	.00122
#2	.00096	.00604	1.0710	.34563	.00343	.14974	.02989	.00003	265.11	.00094
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00181**	**.00073**	**.08105**	**-.00253**	**-.00447**	**.17386**	**.37207**	**.00095**	**.01650**	**.00082**
Stddev	.00146	.00027	.00432	.00057	.00475	.00773	.01654	.00084	.00002	.00066
%RSD	80.393	37.183	5.3332	22.474	106.36	4.4450	4.4450	88.916	.13976	80.000
#1	.00078	.00092	.08411	-.00213	-.00783	.16840	.36037	.00035	.01651	.00036
#2	.00284	.00054	.07800	-.00293	-.00111	.17933	.38376	.00155	.01648	.00129
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00013**	**.00052**	**.02170**	**-.00011**	**.07998**	**.00013**
Stddev	.00006	.00227	.02008	.00021	.00077	.00101
%RSD	45.004	431.92	92.539	188.67	.96399	786.66
#1	.00017	-.00108	.03590	-.00026	.07944	-.00059
#2	.00009	.00213	.00750	.00004	.08053	.00085
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**3107.3**	**47454.**	**5273.4**
Stddev	4.4	4.	16.0
%RSD	.14148	.00774	.30306
#1	3110.4	47457.	5262.1
#2	3104.2	47451.	5284.7

Sample Name: 280-28166-A-2-B Acquired: 5/1/2012 19:40:02 Type: Unk
Method: 6500_025(v2) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 117539 6010b tclp

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00003**	**.07858**	**-.00172**	**.00532**	**.11440**	**.00017**	**.00080**	**2.4928**	**.00020**	**.00080**
Stddev	.00054	.00019	.00064	.00078	.00018	.00003	.00029	.0043	.00015	.00011
%RSD	1699.5	.24455	36.970	14.648	.15746	15.862	36.559	.17152	75.510	14.008
#1	.00041	.07872	-.00218	.00587	.11427	.00015	.00059	2.4958	.00031	.00087
#2	-.00035	.07845	-.00127	.00477	.11452	.00019	.00101	2.4897	.00009	.00072
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00093**	**.00733**	**1.4667**	**.39924**	**.00117**	**.17656**	**.05624**	**-.00027**	**265.40**	**.00178**
Stddev	.00014	.00025	.0103	.05298	.00027	.00437	.00010	.00008	.24	.00017
%RSD	14.802	3.3601	.69998	13.271	22.780	2.4757	.17101	29.710	.09206	9.3583
#1	.00103	.00750	1.4594	.36177	.00136	.17347	.05618	-.00021	265.23	.00190
#2	.00083	.00715	1.4740	.43671	.00098	.17965	.05631	-.00032	265.57	.00166
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00173**	**.00118**	**.12220**	**-.00122**	**.00132**	**.24148**	**.51677**	**.00058**	**.02128**	**-.00134**
Stddev	.00179	.00022	.00077	.00113	.00247	.00246	.00527	.00107	.00004	.00051
%RSD	103.34	19.010	.62757	92.972	187.26	1.0204	1.0204	184.50	.17905	37.800
#1	.00299	.00102	.12274	-.00042	-.00043	.24323	.52050	.00133	.02131	-.00170
#2	.00047	.00133	.12166	-.00202	.00307	.23974	.51304	-.00018	.02125	-.00098
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00015**	**.00146**	**.04505**	**-.00067**	**.15434**	**-.00014**
Stddev	.00023	.00235	.00858	.00001	.00030	.00018
%RSD	150.28	160.53	19.048	2.0926	.19749	122.97
#1	.00031	-.00020	.05112	-.00066	.15456	-.00002
#2	-.00001	.00313	.03898	-.00068	.15413	-.00027
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**3104.4**	**47282.**	**5296.1**
Stddev	.2	20.	12.0
%RSD	.00607	.04207	.22585
#1	3104.5	47296.	5304.5
#2	3104.3	47268.	5287.6

Sample Name: 280-28166-A-3-B Acquired: 5/1/2012 19:42:25 Type: Unk
Method: 6500_025(v2) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 117539 6010b tclp

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00002**	**.09202**	**-.00342**	**.00603**	**.13400**	**.00016**	**-.00159**	**2.6365**	**.00045**	**.00131**
Stddev	.00038	.00106	.00225	.00075	.00056	.00005	.00025	.0069	.00029	.00001
%RSD	2539.8	1.1477	65.692	12.467	.41760	33.213	15.537	.26171	64.634	.83431
#1	-.00026	.09277	-.00183	.00550	.13360	.00012	-.00141	2.6316	.00024	.00131
#2	.00029	.09128	-.00501	.00656	.13439	.00019	-.00176	2.6413	.00065	.00130
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00181**	**.00907**	**4.4039**	**.45708**	**.00159**	**.29875**	**.14878**	**-.00044**	**268.85**	**.00334**
Stddev	.00029	.00019	.0003	.02631	.00097	.00367	.00025	.00045	.60	.00024
%RSD	15.926	2.0820	.00592	5.7553	61.212	1.2270	.16844	102.10	.22473	7.1909
#1	.00202	.00894	4.4037	.43847	.00090	.29616	.14860	-.00012	269.28	.00317
#2	.00161	.00921	4.4041	.47568	.00228	.30134	.14895	-.00076	268.43	.00351
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00453**	**-.00022**	**.20209**	**-.00169**	**.00440**	**.29015**	**.62092**	**.00067**	**.02581**	**-.00017**
Stddev	.00074	.00136	.00314	.00127	.00020	.00587	.01256	.00055	.00014	.00049
%RSD	16.411	620.90	1.5548	75.057	4.5271	2.0226	2.0226	82.130	.56141	292.94
#1	.00401	-.00118	.20431	-.00259	.00426	.29430	.62980	.00106	.02571	-.00051
#2	.00506	.00074	.19987	-.00079	.00454	.28600	.61204	.00028	.02592	.00018
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00020**	**-.00060**	**.03604**	**-.00012**	**.12229**	**-.00138**
Stddev	.00003	.00089	.00210	.00004	.00068	.00055
%RSD	12.718	149.01	5.8378	36.097	.55379	39.568
#1	-.00018	.00003	.03753	-.00015	.12181	-.00177
#2	-.00022	-.00123	.03455	-.00009	.12277	-.00099
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**3106.0**	**47256.**	**5196.3**
Stddev	6.1	99.	10.1
%RSD	.19582	.20914	.19454
#1	3110.3	47326.	5203.4
#2	3101.7	47186.	5189.1

Sample Name: CCVH-1390999 Acquired: 5/1/2012 19:44:48 Type: QC
Method: 6500_025(v2) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2714
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00080**	**48.846**	**.00004**	**.00135**	**.00042**	**.00007**	**1.0187**	**.00091**	**.00010**	**.00044**	**.00045**	**-.00421**	**48.547**
Stddev	.00049	.134	.00231	.00014	.00013	.00005	.0018	.00111	.00003	.00011	.00004	.00046	.057
%RSD	60.497	.27376	5785.7	10.698	31.152	72.210	.17986	121.78	28.015	24.510	8.8723	10.991	.11663
#1	-.00115	48.751	.00167	.00124	.00033	.00011	1.0200	.00013	.00008	.00037	.00042	-.00454	48.507
#2	-.00046	48.941	-.00159	.00145	.00052	.00003	1.0174	.00170	.00012	.00052	.00048	-.00388	48.587
Check ?	None	Chk Pass	None	None	None	None	Chk Pass	None	None	None	None	None	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.11373**	**.00188**	**-.02061**	**.00016**	**.00022**	**240.46**	**.00111**	**-.00005**	**-.00122**	**4.9789**	**-.00189**	**.00286**	**-.00881**
Stddev	.00059	.00230	.00565	.00001	.00049	.02	.00036	.00027	.00070	.0076	.00097	.00625	.00341
%RSD	.51822	122.09	27.419	5.4281	216.53	.00972	31.961	515.89	57.400	.15295	51.470	218.86	38.698
#1	.11415	.00351	-.02460	.00016	.00057	240.48	.00086	-.00024	-.00073	4.9843	-.00120	-.00156	-.01122
#2	.11331	.00026	-.01661	.00017	-.00012	240.45	.00136	.00014	-.00172	4.9735	-.00257	.00728	-.00640
Check ?	None	None	None	None	None	Chk Pass	None	None	None	Chk Pass	None	None	None
Value													
Range													

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.01885**	**.00142**	**.00032**	**5.0210**	**.00715**	**.00094**	**10.310**	**-.00394**	**.00089**	**-.04234**
Stddev	.00729	.00066	.00004	.0132	.00021	.00206	.103	.00019	.00003	.00231
%RSD	38.698	46.337	12.368	.26345	2.8843	219.03	1.0015	4.7011	3.8676	5.4563
#1	-.02401	.00096	.00029	5.0116	.00701	.00239	10.237	-.00407	.00091	-.04071
#2	-.01369	.00189	.00035	5.0303	.00730	-.00052	10.383	-.00381	.00086	-.04398
Check ?	None	None	None	Chk Pass	None	None	Chk Pass	None	None	None
Value										
Range										

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**3168.8**	**47648.**	**5214.9**
Stddev	7.4	316.	.6
%RSD	.23471	.66250	.01163
#1	3174.0	47871.	5215.3
#2	3163.5	47424.	5214.4

Sample Name: CCV-1390955 Acquired: 5/1/2012 19:47:08 Type: QC
Method: 6500_025(v2) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.50235**	**.50021**	**.98914**	**.48293**	**.49343**	**.47028**	**-.00123**	**4.7805**	**.50256**	**.49828**	**.50123**	**.51118**	**2.4502**
Stddev	.00245	.00041	.00364	.00156	.00003	.00104	.00001	.0041	.00011	.00000	.00011	.00202	.0129
%RSD	.48803	.08246	.36764	.32234	.00607	.22176	.77582	.08648	.02125	.00022	.02213	.39537	.52466
#1	.50409	.50051	.98657	.48183	.49341	.46955	-.00124	4.7776	.50249	.49828	.50115	.51261	2.4411
#2	.50062	.49992	.99171	.48403	.49345	.47102	-.00122	4.7834	.50264	.49827	.50131	.50975	2.4593
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**48.382**	**.95690**	**19.521**	**.49811**	**.49888**	**4.9044**	**.49749**	**.94961**	**1.0291**	**.01073**	**.97099**	**1.0004**	**4.7149**
Stddev	.050	.00137	.062	.00228	.00091	.0143	.00036	.00632	.0020	.00088	.00580	.0029	.0026
%RSD	.10329	.14276	.31995	.45860	.18288	.29193	.07281	.66546	.19318	8.2218	.59782	.29050	.05426
#1	48.347	.95787	19.566	.49972	.49952	4.8943	.49774	.95408	1.0305	.01135	.97510	1.0024	4.7167
#2	48.417	.95594	19.477	.49649	.49823	4.9146	.49723	.94514	1.0277	.01010	.96689	.99834	4.7130
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**10.090**	**.99998**	**.48818**	**-.00020**	**.48991**	**1.0217**	**.01609**	**.50000**	**.50408**	**.49241**
Stddev	.005	.00015	.00058	.00189	.00066	.0028	.00168	.00404	.00251	.00390
%RSD	.05426	.01455	.11809	945.33	.13481	.27199	10.414	.80767	.49823	.79228
#1	10.094	.99988	.48778	.00114	.49037	1.0197	.01728	.50285	.50586	.48965
#2	10.086	1.0001	.48859	-.00154	.48944	1.0237	.01491	.49714	.50230	.49517
Check ?	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value										
Range										

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**3215.6**	**49212.**	**5261.5**
Stddev	5.6	102.	19.5
%RSD	.17490	.20744	.37106
#1	3219.6	49140.	5275.3
#2	3211.6	49284.	5247.7

Sample Name: CCB Acquired: 5/1/2012 19:49:21 Type: QC
Method: 6500_025(v2) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00015**	**.00021**	**-.00407**	**.00041**	**.00033**	**.00013**	**-.00319**	**.00071**	**.00005**	**-.00014**	**.00031**	**-.00046**
Stddev	.00016	.00053	.00072	.00014	.00019	.00000	.00108	.00188	.00009	.00018	.00000	.00036
%RSD	106.55	254.94	17.744	35.082	56.350	.09685	33.872	265.63	193.13	124.65	.59276	78.116
#1	.00026	.00058	-.00356	.00031	.00046	.00013	-.00243	-.00062	.00011	-.00002	.00031	-.00021
#2	.00004	-.00017	-.00458	.00051	.00020	.00013	-.00396	.00204	-.00002	-.00027	.00031	-.00072
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit												
Low Limit												

Elem	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00212**	**.08462**	**.00111**	**.00676**	**.00012**	**.00095**	W **.12633**	**-.00040**	**.00114**	**-.00092**	**.00704**	**.00109**
Stddev	.00017	.02614	.00025	.00021	.00004	.00012	.00554	.00026	.00091	.00159	.00044	.00055
%RSD	8.0088	30.891	22.648	3.0944	34.543	12.784	4.3823	66.607	79.837	173.16	6.1816	50.333
#1	.00200	.10310	.00093	.00661	.00009	.00086	.13025	-.00021	.00178	.00021	.00735	.00070
#2	.00224	.06614	.00129	.00691	.00014	.00103	.12242	-.00058	.00049	-.00204	.00673	.00148
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							.09160					
Low Limit							-.09160					

Elem	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **.00672**	**-.01123**	**-.02404**	**.00086**	**.00014**	**.00152**	**-.00007**	**-.00047**	**.02202**	**-.00025**	**.00193**	**-.00185**
Stddev	.00892	.00109	.00234	.00022	.00010	.00089	.00007	.00055	.01393	.00007	.00030	.00059
%RSD	132.72	9.7144	9.7144	25.439	71.869	58.516	98.215	116.27	63.257	28.059	15.449	31.914
#1	.00041	-.01200	-.02569	.00101	.00021	.00089	-.00011	-.00008	.03187	-.00030	.00214	-.00226
#2	.01303	-.01046	-.02239	.00070	.00007	.00214	-.00002	-.00086	.01217	-.00020	.00172	-.00143
Check ?	Chk Warn	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	.00486											
Low Limit	-.00486											

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**3233.0**	**49925.**	**5196.0**
Stddev	5.6	473.	1.7
%RSD	.17263	.94683	.03196
#1	3229.0	49591.	5194.8
#2	3236.9	50260.	5197.2

Sample Name: CCVL1390952 Acquired: 5/1/2012 19:51:46 Type: QC
Method: 6500_025(v2) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01080**	**.10324**	**.01470**	**.09785**	**.01014**	**.00105**	**.11595**	**.19478**	**.00531**	**.01042**	**.01016**	**.01492**	**.09806**
Stddev	.00008	.00044	.00093	.00005	.00007	.00003	.00068	.00216	.00015	.00000	.00012	.00043	.00196
%RSD	.72938	.42519	6.3595	.04745	.70768	3.0942	.58253	1.1102	2.7540	.03933	1.2009	2.8627	2.0017
#1	.01075	.10293	.01536	.09788	.01019	.00103	.11643	.19631	.00520	.01041	.01024	.01522	.09667
#2	.01086	.10355	.01404	.09782	.01009	.00107	.11548	.19325	.00541	.01042	.01007	.01462	.09945
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**2.9996**	F **.01432**	**.21055**	**.01052**	**.02008**	**1.1004**	**.04111**	**2.8299**	**.00835**	**.00000**	F **.00663**	**.01251**	**.45941**
Stddev	.0199	.00135	.00227	.00007	.00012	.0139	.00056	.0146	.00063	.0032	.00122	.00469	.02483
%RSD	.66304	9.4179	1.0761	.62691	.60376	1.2629	1.3683	.51535	7.5612	193490.	18.438	37.467	5.4056
#1	2.9855	.01528	.20895	.01057	.02017	1.0905	.04071	2.8196	.00879	-.00224	.00576	.00920	.47697
#2	3.0136	.01337	.21215	.01048	.01999	1.1102	.04151	2.8402	.00790	.00223	.00749	.01583	.44185
Check ?	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Fail	Chk Pass	Chk Pass
Value		.01000									.01000		
Range		30.000%									-30.000%		

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.98313**	**.10315**	**.01003**	**.01623**	**.00989**	**.01668**	**.07747**	**.00956**	**.02234**	**.01482**
Stddev	.05314	.00237	.00004	.00258	.00026	.00090	.00243	.00000	.00014	.00075
%RSD	5.4056	2.3001	.43132	15.877	2.6646	5.3770	3.1382	.04853	.63357	5.0401
#1	1.0207	.10147	.01006	.01441	.01008	.01732	.07919	.00956	.02224	.01535
#2	.94555	.10483	.01000	.01806	.00970	.01605	.07576	.00955	.02244	.01429
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value										
Range										

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**3319.7**	**50629.**	**5333.6**
Stddev	1.0	98.	10.8
%RSD	.03124	.19382	.20336
#1	3319.0	50560.	5341.2
#2	3320.4	50699.	5325.9

Sample Name: 280-28166-A-4-B Acquired: 5/1/2012 19:54:09 Type: Unk
Method: 6500_025(v2) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 117539 6010b tclp

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00043**	**.06958**	**-.00520**	**.00663**	**.11620**	**.00015**	**-.00159**	**2.0247**	**.00029**	**.00088**
Stddev	.00010	.00183	.00388	.00046	.00028	.00001	.00178	.0021	.00012	.00031
%RSD	23.613	2.6262	74.663	6.9948	.24449	5.3314	111.63	.10503	42.857	35.135
#1	.00036	.06828	-.00794	.00630	.11640	.00015	-.00285	2.0231	.00020	.00066
#2	.00051	.07087	-.00245	.00695	.11600	.00016	-.00034	2.0262	.00038	.00110
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00066**	**.00838**	**2.4391**	**.38115**	**.00054**	**.15738**	**.10686**	**-.00011**	**261.34**	**.00229**
Stddev	.00003	.00002	.0059	.03318	.00051	.00137	.00002	.00007	1.19	.00007
%RSD	5.1540	.21511	.24140	8.7042	94.704	.87075	.02316	66.833	.45498	3.2135
#1	.00064	.00839	2.4433	.35769	.00090	.15835	.10685	-.00016	262.19	.00224
#2	.00069	.00837	2.4349	.40461	.00018	.15641	.10688	-.00006	260.50	.00234
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00157**	**-.00012**	**.15439**	**-.00106**	**.00507**	**.18270**	**.39098**	**.00125**	**.01902**	**.00096**
Stddev	.00076	.00060	.00120	.00091	.00320	.00687	.01471	.00028	.00012	.00064
%RSD	48.573	498.95	.77785	85.428	63.014	3.7615	3.7615	22.012	.62902	66.764
#1	.00211	.00030	.15354	-.00170	.00281	.18756	.40137	.00106	.01911	.00142
#2	.00103	-.00054	.15524	-.00042	.00734	.17784	.38058	.00145	.01894	.00051
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00010**	**.00093**	**-.00440**	**-.00032**	**.05567**	**.00002**
Stddev	.00034	.00015	.00127	.00045	.00025	.00128
%RSD	343.00	15.631	28.919	143.32	.44745	7210.7
#1	-.00034	.00103	-.00350	-.00063	.05550	.00092
#2	.00014	.00083	-.00530	.00000	.05585	-.00089
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**3076.5**	**47010.**	**5272.2**
Stddev	39.4	33.	26.0
%RSD	1.2816	.07105	.49236
#1	3104.4	47034.	5253.8
#2	3048.7	46987.	5290.5

Sample Name: 280-28175-D-1-C Acquired: 5/1/2012 19:56:32 Type: Unk
Method: 6500_025(v2) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 117539 6010b tclp

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00000**	**.01063**	**-.00315**	**.00895**	**.17440**	**.00005**	**-.00031**	**125.06**	**.00040**	**.00030**
Stddev	.00025	.00082	.00349	.00043	.00157	.00002	.00003	.80	.00025	.00004
%RSD	16996.	7.6996	110.98	4.7588	.89994	46.001	9.9619	.64043	62.250	13.535
#1	.00018	.01006	-.00562	.00865	.17551	.00007	-.00033	125.62	.00057	.00027
#2	-.00018	.01121	-.00068	.00925	.17329	.00003	-.00029	124.49	.00022	.00032
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00014**	**.00143**	**.02667**	**.82322**	**.00119**	**1.0641**	**.13088**	**.00026**	**272.83**	**.00000**
Stddev	.00000	.00001	.00045	.02702	.00289	.0048	.00032	.00022	1.76	.00053
%RSD	3.6046	.60848	1.6878	3.2822	242.93	.45053	.24831	86.732	.64474	15468.
#1	.00014	.00144	.02635	.84233	-.00085	1.0675	.13111	.00042	274.07	.00038
#2	.00013	.00143	.02698	.80412	.00323	1.0607	.13065	.00010	271.58	-.00037
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00537**	**-.00008**	**.28603**	**-.00111**	**.00567**	**1.0366**	**2.2183**	**.00011**	**.08172**	**.00236**
Stddev	.00191	.00013	.00693	.00165	.00130	.0036	.0076	.00094	.00070	.00115
%RSD	35.551	175.49	2.4227	148.80	22.938	.34316	.34316	832.43	.85161	48.750
#1	.00402	.00002	.29093	-.00228	.00659	1.0391	2.2237	-.00055	.08221	.00155
#2	.00672	-.00017	.28113	.00006	.00475	1.0341	2.2129	.00078	.08123	.00317
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00040**	**-.00016**	**-.04394**	**.00069**	**.00468**	**-.00007**
Stddev	.00000	.00014	.02399	.00006	.00057	.00089
%RSD	.47745	86.654	54.607	8.1103	12.230	1317.7
#1	.00040	-.00026	-.02697	.00073	.00509	.00056
#2	.00040	-.00006	-.06091	.00065	.00428	-.00069
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**3082.5**	**46577.**	**5275.1**
Stddev	4.4	92.	36.7
%RSD	.14413	.19762	.69626
#1	3085.6	46512.	5249.2
#2	3079.3	46642.	5301.1

Sample Name: 280-28159-F-1-B Acquired: 5/1/2012 19:58:55 Type: Unk
Method: 6500_025(v2) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 117539 6010b tclp

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00010**	**.01150**	**-.00231**	**.07841**	**.05701**	**.00005**	**-.00419**	**29.992**	**.00051**	**.00046**
Stddev	.00018	.00001	.00196	.00024	.00075	.00002	.00278	.328	.00027	.00023
%RSD	182.59	.07574	84.715	.29991	1.3103	39.874	66.174	1.0926	53.166	50.221
#1	-.00023	.01151	-.00369	.07825	.05649	.00007	-.00616	29.760	.00032	.00030
#2	.00003	.01150	-.00093	.07858	.05754	.00004	-.00223	30.224	.00070	.00062
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00030**	**.00986**	**.25091**	**3.5265**	**.00046**	**8.6449**	**.12880**	**.00092**	**248.38**	**.00631**
Stddev	.00000	.00042	.00158	.0219	.00071	.0213	.00037	.00013	2.92	.00047
%RSD	.25395	4.2539	.62816	.61989	155.17	.24653	.28722	14.035	1.1764	7.5166
#1	.00030	.01016	.24979	3.5111	-.00004	8.6298	.12854	.00101	246.31	.00597
#2	.00030	.00956	.25202	3.5420	.00096	8.6600	.12906	.00083	250.44	.00664
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **13.081**	**.00192**	**7.8919**	**.00023**	**.00301**	**.42421**	**.90781**	**.00064**	**.06960**	**.00018**
Stddev	.002	.00240	.0074	.00044	.00527	.00727	.01555	.00086	.00080	.00012
%RSD	.01247	125.08	.09427	188.03	175.18	1.7127	1.7127	134.86	1.1563	68.566
#1	13.080	.00361	7.8867	.00055	.00673	.42935	.91880	.00124	.06903	.00026
#2	13.083	.00022	7.8972	-.00008	-.00072	.41907	.89682	.00003	.07017	.00009
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	2.0000									
Low Limit	-1.0000									

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00004**	**.00051**	**.02087**	**-.00047**	**.05005**	**-.00175**
Stddev	.00024	.00072	.00498	.00077	.00072	.00232
%RSD	640.01	141.51	23.864	163.88	1.4409	132.53
#1	-.00021	.00000	.02439	.00008	.05056	-.00011
#2	.00013	.00102	.01734	-.00102	.04954	-.00338
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**3112.6**	**47351.**	**5285.7**
Stddev	5.2	141.	34.5
%RSD	.16699	.29863	.65279
#1	3116.2	47451.	5310.1
#2	3108.9	47251.	5261.3

Sample Name: sd 280-28159-F-1-B@5 Acquired: 5/1/2012 20:01:16 Type: Unk
Method: 6500_025(v2) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 117539 6010b tclp

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00028**	**.00219**	**-.00508**	**.01590**	**.01171**	**.00008**	**-.00040**	**6.0565**	**.00019**	**.00012**
Stddev	.00034	.00024	.00245	.00040	.00026	.00004	.00266	.0291	.00023	.00018
%RSD	121.12	10.794	48.190	2.5395	2.2550	48.730	663.11	.48101	120.10	148.03
#1	.00053	.00236	-.00682	.01561	.01152	.00011	-.00229	6.0359	.00003	-.00001
#2	.00004	.00203	-.00335	.01618	.01189	.00005	.00148	6.0771	.00036	.00025
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00003**	**.00152**	**.05367**	**.74357**	**.00376**	**1.7733**	**.02574**	**.00002**	**50.341**	**.00094**
Stddev	.00007	.00039	.00073	.00378	.00285	.0088	.00006	.00007	.762	.00017
%RSD	232.58	25.267	1.3628	.50864	75.713	.49829	.24019	329.28	1.5144	17.670
#1	-.00002	.00125	.05419	.74625	.00578	1.7671	.02570	-.00003	49.801	.00106
#2	.00008	.00180	.05315	.74090	.00175	1.7796	.02578	.00007	50.880	.00082
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **2.5521**	**.00001**	**1.5458**	**-.00207**	**.00440**	**.06704**	**.14348**	**.00092**	**.01379**	**-.00038**
Stddev	.0039	.00062	.0075	.00192	.00439	.03010	.06440	.00082	.00017	.00161
%RSD	.15172	5486.9	.48230	92.619	99.837	44.888	44.888	88.866	1.1972	422.50
#1	2.5493	.00045	1.5406	-.00072	.00751	.08832	.18902	.00150	.01368	-.00152
#2	2.5548	-.00042	1.5511	-.00343	.00129	.04576	.09793	.00034	.01391	.00076
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	2.0000									
Low Limit	-1.0000									

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00021**	**-.00077**	**.00756**	**-.00049**	**.01192**	**-.00045**
Stddev	.00003	.00021	.02564	.00030	.00037	.00008
%RSD	14.765	26.706	339.12	61.940	3.1111	17.526
#1	-.00024	-.00092	.02569	-.00070	.01166	-.00039
#2	-.00019	-.00063	-.01057	-.00027	.01218	-.00050
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**3239.2**	**49657.**	**5278.6**
Stddev	.7	169.	5.4
%RSD	.02080	.34083	.10151
#1	3239.7	49777.	5282.4
#2	3238.7	49538.	5274.8

Sample Name: 280-28159-F-1-C MS Acquired: 5/1/2012 20:03:38 Type: Unk
Method: 6500_025(v2) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 117539 6010b tclp

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W .21257	.38344	.81728	.26502	2.4173	.00939	F .39759	40.044	.22397	.09494
Stddev	.00067	.00151	.00037	.00098	.0027	.00001	.00221	.079	.00002	.00055
%RSD	.31641	.39346	.04557	.36858	.11084	.09691	.55605	.19668	.01076	.57575
#1	.21210	.38451	.81702	.26433	2.4192	.00939	.39602	40.100	.22395	.09456
#2	.21305	.38238	.81754	.26571	2.4154	.00938	.39915	39.989	.22398	.09533
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit	.10000						.10000			
Low Limit	-.01000						-.10000			

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.0361	.47670	.39873	13.104	.18977	17.836	.22700	.19910	263.79	.10116
Stddev	.0001	.00080	.00057	.022	.00309	.020	.00047	.00030	.37	.00069
%RSD	.00638	.16835	.14252	.17142	1.6267	.10978	.20706	.15185	.14076	.67769
#1	1.0360	.47727	.39833	13.088	.18759	17.822	.22666	.19931	264.05	.10165
#2	1.0361	.47614	.39913	13.120	.19196	17.850	.22733	.19889	263.53	.10068
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W 15.200	1.0738	8.0455	.09204	.59795	2.3364	5.0000	.38093	.26371	.19436
Stddev	.008	.0015	.0465	.00121	.00372	.0071	.0151	.00072	.00019	.00008
%RSD	.05230	.14296	.57750	1.3149	.62249	.30202	.30202	.19013	.07155	.04271
#1	15.194	1.0727	8.0126	.09289	.59532	2.3414	5.0107	.38144	.26384	.19431
#2	15.205	1.0749	8.0783	.09118	.60059	2.3315	4.9893	.38042	.26358	.19442
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	2.0000									
Low Limit	-1.0000									

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.19796	.36619	.42815	.10113	.56092	.09089
Stddev	.00048	.00021	.00778	.00029	.00096	.00010
%RSD	.24410	.05698	1.8174	.28707	.17152	.11516
#1	.19762	.36604	.43365	.10133	.56024	.09096
#2	.19830	.36634	.42265	.10092	.56160	.09081
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	3108.2	47272.	5245.0
Stddev	5.2	40.	3.6
%RSD	.16654	.08413	.06815
#1	3104.5	47244.	5242.5
#2	3111.9	47300.	5247.6

Sample Name: 280-28159-F-1-D MSD Acquired: 5/1/2012 20:05:55 Type: Unk
Method: 6500_025(v2) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 117539 6010b tclp

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W .21421	.39091	.82782	.27207	2.4379	.00945	F .40988	40.284	.22777	.09656
Stddev	.00047	.00087	.00232	.00095	.0112	.00011	.00214	.206	.00011	.00001
%RSD	.22071	.22319	.28039	.34804	.45909	1.1574	.52123	.51227	.04920	.00965
#1	.21454	.39030	.82618	.27140	2.4458	.00953	.40837	40.429	.22785	.09657
#2	.21387	.39153	.82946	.27274	2.4300	.00937	.41139	40.138	.22769	.09655
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit	.10000						.10000			
Low Limit	-.01000						-.10000			

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.0521	.48246	.40616	13.273	.19271	18.109	.23021	.20183	265.68	.10318
Stddev	.0045	.00013	.00265	.057	.00313	.020	.00006	.00149	1.38	.00012
%RSD	.42688	.02664	.65188	.43165	1.6234	.11078	.02402	.73840	.52021	.11846
#1	1.0490	.48255	.40429	13.314	.19492	18.124	.23017	.20077	266.66	.10326
#2	1.0553	.48237	.40803	13.233	.19050	18.095	.23025	.20288	264.70	.10309
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W 15.543	1.0880	8.1827	.09378	.60873	2.3447	5.0176	.39081	.26593	.19774
Stddev	.042	.0022	.0463	.00007	.00864	.0255	.0546	.00114	.00151	.00280
%RSD	.27080	.19797	.56545	.07532	1.4187	1.0892	1.0892	.29126	.56723	1.4185
#1	15.514	1.0864	8.1500	.09373	.60262	2.3627	5.0562	.39162	.26699	.19972
#2	15.573	1.0895	8.2154	.09383	.61484	2.3266	4.9789	.39001	.26486	.19576
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	2.0000									
Low Limit	-1.0000									

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.20045	.37260	.42542	.10191	.57185	.09167
Stddev	.00003	.00170	.01838	.00082	.00155	.00019
%RSD	.01622	.45666	4.3206	.80656	.27156	.21156
#1	.20047	.37140	.41242	.10249	.57295	.09153
#2	.20043	.37380	.43842	.10133	.57075	.09181
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	3102.6	47310.	5287.9
Stddev	6.6	6.	54.8
%RSD	.21187	.01363	1.0370
#1	3107.3	47305.	5249.1
#2	3098.0	47314.	5326.7

Sample Name: CCVH-1390999 Acquired: 5/1/2012 20:08:10 Type: QC
Method: 6500_025(v2) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2714
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00097**	**48.786**	**.00104**	**.00213**	**.00169**	**.00007**	**1.0180**	**.02482**	**.00018**	**.00031**	**.00034**	**-.00412**	**48.464**
Stddev	.00088	.035	.00284	.00010	.00004	.00007	.0012	.00077	.00005	.00002	.00020	.00007	.072
%RSD	91.512	.07215	273.38	4.6811	2.5024	93.099	.12094	3.0840	27.167	7.4944	56.667	1.6098	.14958
#1	-.00034	48.811	-.00097	.00220	.00172	.00002	1.0171	.02428	.00015	.00032	.00048	-.00417	48.413
#2	-.00159	48.761	.00304	.00206	.00166	.00012	1.0188	.02536	.00022	.00029	.00021	-.00407	48.516
Check ?	None	Chk Pass	None	None	None	None	Chk Pass	None	None	None	None	None	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.14099**	**.00294**	**-.01575**	**.00017**	**.00066**	**240.80**	**.00079**	**.00489**	**.00029**	**4.9895**	**-.00271**	**.00295**	**.00949**
Stddev	.00827	.00198	.00340	.00002	.00032	.49	.00025	.00389	.00039	.0042	.00114	.00194	.01195
%RSD	5.8663	67.162	21.553	11.670	48.058	.20251	31.076	79.557	136.50	.08414	41.965	65.767	125.91
#1	.14683	.00155	-.01335	.00019	.00089	240.45	.00062	.00764	.00001	4.9925	-.00191	.00432	.00104
#2	.13514	.00434	-.01815	.00016	.00044	241.14	.00097	.00214	.00056	4.9866	-.00351	.00158	.01794
Check ?	None	None	None	None	None	Chk Pass	None	None	None	Chk Pass	None	None	None
Value													
Range													

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.02031**	**.00229**	**.00040**	**4.9891**	**.00752**	**.00054**	**10.220**	**-.00390**	**.00171**	**-.04143**
Stddev	.02558	.00112	.00010	.0035	.00043	.00189	.029	.00094	.00051	.00197
%RSD	125.91	48.773	24.592	.06991	5.7529	349.00	.28371	24.118	30.038	4.7603
#1	.00223	.00150	.00047	4.9916	.00783	.00188	10.240	-.00456	.00135	-.04282
#2	.03840	.00307	.00033	4.9866	.00722	-.00080	10.199	-.00323	.00207	-.04003
Check ?	None	None	None	Chk Pass	None	None	Chk Pass	None	None	None
Value										
Range										

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**3186.0**	**48271.**	**5243.7**
Stddev	1.5	20.	21.3
%RSD	.04644	.04088	.40550
#1	3187.1	48285.	5228.7
#2	3185.0	48257.	5258.8

Sample Name: CCV-1390955 Acquired: 5/1/2012 20:10:31 Type: QC
Method: 6500_025(v2) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599	K_7664
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.50391**	**.49867**	**.98863**	**.48332**	**.49307**	**.47261**	**.00018**	**4.8162**	**.50224**	**.49689**	**.49929**	**.51040**	**2.4607**	**48.280**
Stddev	.00061	.00186	.00032	.00006	.00539	.00523	.00007	.0557	.00038	.00027	.00015	.00091	.0288	.529
%RSD	.12164	.37377	.03273	.01310	1.0932	1.1069	37.680	1.1568	.07661	.05369	.02985	.17924	1.1714	1.0966
#1	.50348	.49999	.98886	.48328	.49688	.47631	.00023	4.8556	.50251	.49670	.49940	.50975	2.4811	48.654
#2	.50435	.49735	.98840	.48337	.48926	.46891	.00013	4.7768	.50197	.49708	.49919	.51104	2.4403	47.906
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value														
Range														

Elem	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.96295**	**19.594**	**.49870**	**.49705**	**5.0299**	**.49622**	**.94587**	**1.0256**	**.00590**	**.96647**	**.99733**	**4.7618**	**10.190**	**.99234**
Stddev	.01086	.030	.00067	.00013	.0728	.00023	.00247	.0027	.00122	.00055	.00037	.0390	.084	.00230
%RSD	1.1273	.15283	.13391	.02637	1.4481	.04608	.26130	.26339	20.646	.05679	.03732	.81964	.81964	.23137
#1	.97062	19.615	.49917	.49714	5.0814	.49606	.94412	1.0276	.00677	.96685	.99759	4.7894	10.249	.99396
#2	.95527	19.573	.49822	.49695	4.9784	.49638	.94762	1.0237	.00504	.96608	.99706	4.7342	10.131	.99072
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value														
Range														

Elem	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.48770**	**.00307**	**.49470**	**1.0185**	**.00601**	**.50372**	**.50624**	**.49104**
Stddev	.00636	.00006	.00081	.0031	.00049	.00136	.00159	.00528
%RSD	1.3037	1.8208	.16282	.29945	8.2361	.26920	.31446	1.0759
#1	.49219	.00311	.49413	1.0163	.00566	.50276	.50736	.49477
#2	.48320	.00303	.49527	1.0206	.00636	.50467	.50511	.48730
Check ?	Chk Pass	None	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value								
Range								

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**3246.4**	**49301.**	**5295.1**
Stddev	5.3	.	50.0
%RSD	.16445	.00043	.94365
#1	3242.7	49301.	5259.7
#2	3250.2	49301.	5330.4

Sample Name: CCB Acquired: 5/1/2012 20:12:44 Type: QC
Method: 6500_025(v2) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00025**	**.00029**	**-.00213**	**.00046**	**.00030**	**.00022**	**-.00275**	**.00401**	**.00003**	**.00003**	**.00002**	**-.00132**
Stddev	.00011	.00048	.00163	.00039	.00018	.00004	.00219	.00576	.00006	.00001	.00021	.00011
%RSD	45.660	164.45	76.545	85.873	58.596	17.857	79.523	143.56	204.36	30.211	836.01	8.6201
#1	.00033	.00063	-.00098	.00074	.00018	.00025	-.00121	.00808	-.00001	.00003	-.00012	-.00140
#2	.00017	-.00005	-.00329	.00018	.00043	.00019	-.00430	-.00006	.00007	.00002	.00017	-.00124
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit												
Low Limit												

Elem	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00209**	**.09567**	**-.00037**	**.00608**	**.00017**	**.00119**	W **.13850**	**-.00027**	**.00230**	**-.00172**	**-.00149**	**-.00067**
Stddev	.00007	.02909	.00082	.00114	.00006	.00039	.00739	.00018	.00511	.00049	.00350	.00251
%RSD	3.2132	30.412	220.54	18.750	37.956	32.693	5.3344	66.967	221.86	28.285	235.19	376.83
#1	.00213	.11624	.00021	.00688	.00022	.00091	.14372	-.00039	-.00131	-.00138	.00099	-.00244
#2	.00204	.07509	-.00095	.00527	.00013	.00146	.13328	-.00014	.00592	-.00207	-.00397	.00111
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							.09160					
Low Limit							-.09160					

Elem	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00208**	**-.00575**	**-.01231**	**.00136**	**.00015**	**.00041**	**.00058**	**.00129**	**.01676**	**-.00024**	**.00245**	**-.00134**
Stddev	.00039	.01309	.02801	.00045	.00007	.00149	.00043	.00145	.00776	.00014	.00033	.00121
%RSD	18.969	227.63	227.63	33.212	45.342	360.93	74.432	112.38	46.290	58.018	13.480	90.322
#1	-.00180	-.01501	-.03211	.00104	.00020	.00147	.00089	.00027	.01128	-.00014	.00222	-.00220
#2	-.00236	.00351	.00750	.00168	.00010	-.00064	.00028	.00232	.02225	-.00033	.00269	-.00049
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit												
Low Limit												

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**3262.1**	**50678.**	**5197.2**
Stddev	1.8	365.	43.3
%RSD	.05506	.72090	.83323
#1	3263.4	50936.	5166.6
#2	3260.9	50419.	5227.8

Sample Name: CCVL1390952 Acquired: 5/1/2012 20:15:10 Type: QC
Method: 6500_025(v2) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01077**	**.10325**	**.01256**	**.09780**	**.01024**	**.00102**	**.11307**	**.19542**	**.00525**	**.01034**	**.01222**	**.01502**	**.10953**
Stddev	.00038	.00005	.00312	.00097	.00001	.00015	.00214	.00133	.00000	.00025	.00015	.00010	.00343
%RSD	3.5278	.05209	24.816	.98780	.10770	14.988	1.8912	.67816	.04045	2.3999	1.2086	.66868	3.1356
#1	.01104	.10329	.01035	.09711	.01024	.00091	.11155	.19448	.00525	.01017	.01212	.01509	.11195
#2	.01050	.10321	.01476	.09848	.01025	.00113	.11458	.19636	.00526	.01052	.01233	.01495	.10710
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**3.0394**	F **.01365**	**.20679**	**.01057**	**.02000**	**1.1278**	**.04157**	**2.8197**	**.00793**	**.00067**	F **.00663**	**.01331**	**.47981**
Stddev	.0284	.00204	.00154	.00003	.00069	.0146	.00058	.0190	.00038	.00354	.00024	.00421	.00150
%RSD	.93450	14.914	.74526	.31826	3.4678	1.2950	1.4007	.67445	4.8034	526.95	3.6373	31.660	.31200
#1	3.0595	.01221	.20570	.01059	.01951	1.1382	.04116	2.8062	.00766	.00317	.00646	.01033	.47875
#2	3.0193	.01509	.20788	.01054	.02049	1.1175	.04198	2.8331	.00820	-.00183	.00680	.01629	.48086
Check ?	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Fail	Chk Pass	Chk Pass
Value		.01000									.01000		
Range		30.000%									-30.000%		

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.0268**	**.10274**	**.01007**	**.01484**	**.01002**	**.01605**	F **.09964**	**.00937**	**.02258**	**.01542**
Stddev	.0032	.00160	.00003	.00067	.00023	.00061	.02054	.00018	.00045	.00033
%RSD	.31200	1.5614	.33422	4.5355	2.2838	3.8245	20.616	1.8886	1.9846	2.1688
#1	1.0245	.10388	.01005	.01531	.01018	.01649	.08511	.00950	.02290	.01565
#2	1.0290	.10161	.01010	.01436	.00986	.01562	.11417	.00925	.02227	.01518
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
Value							.06000			
Range							30.000%			

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**3324.6**	**50955.**	**5285.1**
Stddev	14.8	86.	13.1
%RSD	.44590	.16936	.24859
#1	3335.1	50894.	5275.8
#2	3314.1	51016.	5294.4

Sample Name: MB 280-117157/1-A Acquired: 5/1/2012 20:17:33 Type: Unk
Method: 6500_025(v2) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 117157 6010b

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00007**	**.01038**	**-.00376**	**.00078**	**.00039**	**.00004**	**-.00130**	**.01138**	**.00030**	**-.00022**
Stddev	.00008	.00073	.00018	.00081	.00014	.00001	.00227	.00002	.00009	.00020
%RSD	106.14	7.0095	4.8889	103.32	35.531	13.736	174.33	.14353	28.118	87.894
#1	-.00002	.01090	-.00389	.00135	.00030	.00004	-.00290	.01139	.00036	-.00036
#2	-.00013	.00987	-.00363	.00021	.00049	.00005	.00030	.01137	.00024	-.00008
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00001**	**-.00090**	**.01126**	**.04575**	**.00055**	**.00351**	**.00019**	**-.00021**	**.09255**	**-.00053**
Stddev	.00005	.00011	.00048	.01839	.00055	.00094	.00005	.00000	.00910	.00022
%RSD	609.55	11.924	4.2501	40.209	100.90	26.781	24.849	2.1436	9.8268	42.016
#1	-.00004	-.00097	.01160	.03274	.00016	.00418	.00022	-.00021	.08612	-.00037
#2	.00003	-.00082	.01093	.05876	.00094	.00285	.00016	-.00021	.09898	-.00069
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00268**	**-.00146**	**.00429**	**-.00231**	**-.00492**	**-.00083**	**-.00178**	**.00119**	**.00007**	**.00065**
Stddev	.00185	.00003	.00200	.00065	.00361	.01363	.02917	.00133	.00006	.00080
%RSD	68.923	1.9792	46.722	27.991	73.483	1634.8	1634.8	112.05	81.194	124.09
#1	.00399	-.00148	.00287	-.00185	-.00236	.00880	.01884	.00025	.00011	.00122
#2	.00137	-.00144	.00570	-.00276	-.00747	-.01047	-.02241	.00213	.00003	.00008
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00017**	**.00017**	**.02202**	**-.00072**	**.00221**	**.00065**
Stddev	.00022	.00002	.03225	.00012	.00055	.00010
%RSD	130.47	13.199	146.45	17.095	24.849	15.856
#1	.00033	.00019	-.00078	-.00063	.00182	.00058
#2	.00001	.00016	.04482	-.00081	.00260	.00072
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**3259.3**	**50028.**	**5221.2**
Stddev	6.6	65.	28.4
%RSD	.20198	.13025	.54329
#1	3254.7	49982.	5201.2
#2	3264.0	50074.	5241.3

Sample Name: LCS 280-117157/2-A Acquired: 5/1/2012 20:19:58 Type: Unk
Method: 6500_025(v2) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 117157 6010b

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.05109**	**1.8984**	**1.0363**	**.95025**	**2.0023**	**.04861**	**2.1367**	**48.258**	**.10151**	**.49566**
Stddev	.00002	.0067	.0001	.00292	.0139	.00029	.0025	.309	.00054	.00076
%RSD	.03708	.35461	.00883	.30748	.69320	.59676	.11904	.64057	.53410	.15406
#1	.05111	1.8936	1.0364	.94819	1.9925	.04841	2.1349	48.039	.10190	.49512
#2	.05108	1.9031	1.0363	.95232	2.0121	.04882	2.1385	48.477	.10113	.49620
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.20316**	**.25498**	**1.0047**	**49.249**	**.98716**	**48.499**	**.50192**	**.99841**	**51.308**	**.49485**
Stddev	.00005	.00101	.0075	.358	.00810	.032	.00040	.00275	.569	.00041
%RSD	.02314	.39591	.74921	.72603	.82065	.06613	.08053	.27499	1.1089	.08313
#1	.20319	.25570	.99940	48.996	.98143	48.476	.50221	.99647	50.906	.49456
#2	.20313	.25427	1.0100	49.502	.99289	48.522	.50164	1.0004	51.711	.49515
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**9.8445**	**.50127**	**.02199**	**.47270**	**2.0283**	**9.5463**	F **20.429**	**1.9626**	**1.0039**	**1.0256**
Stddev	.0355	.00193	.00461	.00259	.0062	.0377	.081	.0059	.0073	.0023
%RSD	.36079	.38519	20.946	.54823	.30639	.39522	.39522	.30249	.72380	.22342
#1	9.8194	.49990	.01873	.47087	2.0239	9.5196	20.372	1.9584	.99877	1.0240
#2	9.8696	.50263	.02525	.47453	2.0327	9.5730	20.486	1.9668	1.0090	1.0273
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit							24.610			
Low Limit							20.100			

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.97882**	**1.9999**	**2.1610**	**.51501**	**.50884**	**.47933**
Stddev	.00110	.0016	.0121	.00187	.00111	.00164
%RSD	.11207	.07983	.55958	.36268	.21870	.34115
#1	.97804	2.0010	2.1696	.51634	.50963	.47818
#2	.97960	1.9988	2.1525	.51369	.50805	.48049
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**3109.7**	**47968.**	**5219.8**
Stddev	.2	222.	24.3
%RSD	.00668	.46266	.46479
#1	3109.5	48125.	5237.0
#2	3109.8	47812.	5202.7

Sample Name: 280-28137-H-1-D Acquired: 5/1/2012 20:22:08 Type: Unk
Method: 6500_025(v2) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 117157 6010b

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00031**	**.07301**	**-.00379**	**2.3170**	**.02172**	**.00014**	**-.00731**	W **521.95**	**.00124**	**-.00040**
Stddev	.00018	.00068	.00164	.0152	.00004	.00008	.00214	5.66	.00011	.00008
%RSD	57.661	.93361	43.403	.65695	.17968	56.320	29.319	1.0845	8.6659	19.180
#1	-.00018	.07253	-.00495	2.3063	.02169	.00019	-.00882	517.95	.00131	-.00045
#2	-.00043	.07349	-.00262	2.3278	.02175	.00008	-.00579	525.95	.00116	-.00034
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass
High Limit								500.00		
Low Limit								-.05000		

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.18782**	**.00824**	**.44064**	**31.846**	**.20670**	**273.81**	**.00598**	**.03152**	**131.82**	**.31740**
Stddev	.00034	.00030	.00200	.122	.00254	.31	.00006	.00042	.38	.00070
%RSD	.18111	3.6352	.45499	.38167	1.2288	.11210	.99268	1.3478	.28492	.22023
#1	.18806	.00845	.43923	31.932	.20849	274.03	.00602	.03122	132.08	.31691
#2	.18758	.00803	.44206	31.760	.20490	273.59	.00593	.03182	131.55	.31790
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.02384**	**.00031**	F **821.20**	**.00069**	**.03004**	**6.3495**	**13.588**	**.00204**	W **10.344**	**-.00254**
Stddev	.00218	.00207	2.84	.00157	.00402	.0271	.058	.00161	.047	.00268
%RSD	9.1364	666.43	.34643	229.22	13.384	.42632	.42632	78.774	.45701	105.86
#1	.02230	-.00115	819.19	-.00043	.02719	6.3303	13.547	.00090	10.310	-.00064
#2	.02538	.00177	823.21	.00180	.03288	6.3686	13.629	.00317	10.377	-.00443
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass
High Limit			200.00						5.0000	
Low Limit			-.20000						-.01000	

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00548**	**.00205**	**.05807**	**.00151**	**.07449**	**.00077**
Stddev	.00165	.00263	.02182	.00035	.00063	.00163
%RSD	30.070	127.80	37.582	23.183	.84918	211.18
#1	.00432	.00391	.04264	.00126	.07494	-.00038
#2	.00665	.00020	.07350	.00175	.07405	.00192
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**2844.1**	**44158.**	**5060.1**
Stddev	18.1	66.	18.5
%RSD	.63578	.14968	.36603
#1	2856.9	44204.	5047.0
#2	2831.3	44111.	5073.2

Sample Name: sd 280-28137-H-1-D@5 Acquired: 5/1/2012 20:24:45 Type: Unk
Method: 6500_025(v2) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 117157 6010b

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00006**	**.01445**	**-.00459**	**.47505**	**.00436**	**.00013**	**-.00314**	**107.05**	**.00068**	**-.00002**
Stddev	.00038	.00029	.00032	.00385	.00002	.00005	.00003	.11	.00010	.00004
%RSD	657.22	1.9863	7.0345	.81125	.42736	36.658	1.0869	.09954	15.361	200.93
#1	.00032	.01465	-.00481	.47778	.00435	.00010	-.00311	106.97	.00061	-.00005
#2	-.00021	.01424	-.00436	.47233	.00437	.00017	-.00316	107.12	.00076	.00001
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.03740**	**.00147**	**.09322**	**6.2454**	**.04134**	**54.617**	**.00140**	**.00558**	**26.286**	**.06498**
Stddev	.00004	.00025	.00307	.0407	.00086	.101	.00005	.00006	.067	.00016
%RSD	.10246	17.167	3.2939	.65172	2.0846	.18501	3.5111	.99032	.25357	.25367
#1	.03743	.00165	.09104	6.2166	.04195	54.688	.00143	.00554	26.333	.06509
#2	.03737	.00129	.09539	6.2742	.04073	54.546	.00136	.00562	26.239	.06486
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00303**	**-.00082**	**166.47**	**-.00158**	**.01127**	**1.2234**	**2.6182**	**-.00023**	**2.0676**	**-.00022**
Stddev	.00146	.00039	.49	.00096	.00493	.0287	.0614	.00069	.0041	.00060
%RSD	48.290	47.561	.29725	61.159	43.780	2.3445	2.3445	295.48	.19758	274.15
#1	.00199	-.00110	166.82	-.00089	.00778	1.2032	2.5748	-.00072	2.0647	.00021
#2	.00406	-.00055	166.12	-.00226	.01476	1.2437	2.6616	.00025	2.0705	-.00064
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00107**	**-.00017**	**.02061**	**.00041**	**.01811**	**-.00103**
Stddev	.00020	.00275	.01134	.00011	.00062	.00311
%RSD	18.484	1577.4	55.014	26.717	3.4281	301.50
#1	.00120	.00177	.02863	.00048	.01855	-.00323
#2	.00093	-.00212	.01260	.00033	.01767	.00117
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**3122.9**	**48266.**	**5190.1**
Stddev	5.8	8.	3.2
%RSD	.18423	.01612	.06222
#1	3118.8	48271.	5192.4
#2	3126.9	48260.	5187.9

Sample Name: 280-28137-H-1-E MS Acquired: 5/1/2012 20:27:07 Type: Unk
Method: 6500_025(v2) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 117157 6010b

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.05397**	**1.9406**	**1.0906**	**3.2583**	**2.0717**	**.04823**	F **2.1822**	W **551.86**	**.10717**	**.48509**
Stddev	.00059	.0045	.0001	.0015	.0130	.00018	.0023	.97	.00025	.00031
%RSD	1.0969	.23303	.00686	.04669	.62523	.37296	.10350	.17654	.22995	.06409
#1	.05439	1.9374	1.0906	3.2594	2.0625	.04810	2.1806	552.55	.10734	.48531
#2	.05356	1.9438	1.0907	3.2573	2.0808	.04835	2.1838	551.17	.10699	.48487
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Warn	Chk Pass	Chk Pass
High Limit							.10000	500.00		
Low Limit							-.10000	-.05000		

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.39290**	**.27196**	**1.4519**	**83.054**	**1.2398**	**316.65**	**.51155**	**1.0581**	**181.78**	**.79229**
Stddev	.00042	.00159	.0094	.507	.0057	.70	.00362	.0008	1.50	.00172
%RSD	.10733	.58324	.64514	.61017	.45808	.22178	.70790	.07736	.82320	.21703
#1	.39261	.27308	1.4452	82.696	1.2357	316.15	.51411	1.0586	180.72	.79351
#2	.39320	.27083	1.4585	83.413	1.2438	317.14	.50899	1.0575	182.83	.79108
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **10.697**	**.47874**	F **816.60**	**.50765**	**2.2034**	**16.378**	**35.049**	**1.9325**	W **11.007**	**1.0403**
Stddev	.038	.00044	.89	.00048	.0022	.140	.300	.0037	.206	.0123
%RSD	.35545	.09290	.10846	.09396	.09899	.85576	.85576	.19178	1.8713	1.1822
#1	10.724	.47842	817.22	.50731	2.2049	16.279	34.837	1.9351	10.861	1.0490
#2	10.670	.47905	815.97	.50799	2.2018	16.477	35.261	1.9299	11.152	1.0316
Check ?	Chk Warn	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass
High Limit	2.0000		200.00						5.0000	
Low Limit	-1.0000		-.20000						-.01000	

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.0146**	**1.8204**	**2.1919**	**.52549**	**.56316**	**.49343**
Stddev	.0068	.0012	.0073	.00358	.00230	.00699
%RSD	.67421	.06526	.33217	.68197	.40879	1.4176
#1	1.0194	1.8196	2.1970	.52802	.56479	.48848
#2	1.0097	1.8212	2.1867	.52296	.56154	.49837
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**2825.0**	**43934.**	**5127.2**
Stddev	1.4	434.	30.0
%RSD	.04942	.98874	.58506
#1	2824.0	43627.	5148.4
#2	2826.0	44241.	5105.9

Sample Name: 280-28137-H-1-F MSD Acquired: 5/1/2012 20:29:33 Type: Unk
Method: 6500_025(v2) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 117157 6010b

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.05414**	**1.9225**	**1.0890**	**3.2496**	**2.0623**	**.04777**	F **2.1710**	W **556.43**	**.10613**	**.48238**
Stddev	.00005	.0024	.0011	.0134	.0058	.00025	.0081	5.01	.00029	.00089
%RSD	.08560	.12541	.09835	.41121	.28045	.53176	.37496	.89996	.27324	.18522
#1	.05410	1.9242	1.0897	3.2402	2.0664	.04795	2.1652	552.88	.10592	.48175
#2	.05417	1.9208	1.0882	3.2591	2.0582	.04760	2.1767	559.97	.10633	.48301
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Warn	Chk Pass	Chk Pass
High Limit							.10000	500.00		
Low Limit							-.10000	-.05000		

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.39089**	**.27220**	**1.4476**	**83.235**	**1.2318**	**317.06**	**.51177**	**1.0598**	**182.42**	**.79055**
Stddev	.00060	.00158	.0018	.317	.0067	.33	.00253	.0019	.55	.00276
%RSD	.15345	.58088	.12195	.38088	.54372	.10507	.49434	.18438	.30090	.34973
#1	.39046	.27108	1.4464	83.459	1.2366	316.83	.50998	1.0585	182.81	.78859
#2	.39131	.27332	1.4489	83.010	1.2271	317.30	.51356	1.0612	182.03	.79250
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **10.623**	**.47615**	F **815.69**	**.50756**	**2.1981**	**16.440**	**35.181**	**1.9416**	W **11.165**	**1.0400**
Stddev	.004	.00366	.77	.00068	.0030	.076	.163	.0028	.221	.0067
%RSD	.03444	.76919	.09463	.13391	.13593	.46455	.46455	.14615	1.9808	.64564
#1	10.620	.47874	815.14	.50708	2.1960	16.494	35.296	1.9396	11.321	1.0353
#2	10.625	.47356	816.23	.50804	2.2002	16.386	35.065	1.9436	11.009	1.0447
Check ?	Chk Warn	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass
High Limit	2.0000		200.00						5.0000	
Low Limit	-1.0000		-.20000						-.01000	

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.0178**	**1.8097**	**2.2386**	**.52604**	**.56143**	**.49202**
Stddev	.0029	.0032	.0141	.00140	.00297	.00070
%RSD	.28424	.17454	.62816	.26585	.52965	.14131
#1	1.0157	1.8119	2.2486	.52506	.55933	.49152
#2	1.0198	1.8074	2.2287	.52703	.56354	.49251
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**2825.5**	**43694.**	**5093.1**
Stddev	4.3	6.	38.1
%RSD	.15389	.01340	.74851
#1	2828.6	43698.	5066.2
#2	2822.4	43689.	5120.1

Sample Name: 280-28137-H-3-B Acquired: 5/1/2012 20:32:00 Type: Unk
Method: 6500_025(v2) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 117157 6010b

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00006**	**.02070**	**.06787**	W **29.560**	**.02406**	**.00012**	**-.00559**	W **545.72**	**.00119**	**-.00069**
Stddev	.00090	.00043	.00222	.040	.00027	.00003	.00257	4.74	.00058	.00008
%RSD	1633.6	2.0966	3.2716	.13689	1.1231	24.036	45.941	.86871	49.065	11.645
#1	.00069	.02101	.06944	29.588	.02425	.00014	-.00740	549.07	.00078	-.00074
#2	-.00058	.02039	.06630	29.531	.02387	.00010	-.00377	542.37	.00160	-.00063
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass
High Limit				10.000				500.00		
Low Limit				-.01000				-.05000		

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00114**	**.00221**	**1.5196**	**80.540**	W **6.1154**	**273.13**	**.38125**	**.05216**	W **3636.7**	**-.00043**
Stddev	.00028	.00056	.0039	.284	.0486	.25	.00160	.00046	20.6	.00004
%RSD	24.568	25.339	.25433	.35276	.79403	.09137	.41974	.88387	.56700	9.4875
#1	.00094	.00181	1.5223	80.741	6.1498	272.95	.38012	.05183	3651.3	-.00046
#2	.00134	.00261	1.5169	80.339	6.0811	273.31	.38238	.05248	3622.1	-.00040
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass
High Limit					2.0000				500.00	
Low Limit					-.01000				11.000	

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.06784**	**-.00040**	F **1498.7**	**.00174**	**.01197**	**10.086**	**21.584**	**.00219**	W **11.638**	**.00015**
Stddev	.00447	.00122	1.6	.00386	.00402	.053	.113	.00054	.161	.00105
%RSD	6.5927	302.10	.10404	221.84	33.555	.52561	.52561	24.787	1.3820	692.05
#1	.07101	.00046	1499.9	.00447	.00913	10.124	21.665	.00181	11.752	.00089
#2	.06468	-.00127	1497.6	-.00099	.01481	10.049	21.504	.00258	11.525	-.00059
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass
High Limit			200.00						5.0000	
Low Limit			-.20000						-.01000	

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00200**	**.00222**	**-.00429**	**.00094**	**.07342**	**.00033**
Stddev	.00010	.00006	.02316	.00029	.00124	.00059
%RSD	4.9431	2.9158	539.95	30.956	1.6894	176.84
#1	.00207	.00227	.01209	.00115	.07255	.00075
#2	.00193	.00217	-.02067	.00073	.07430	-.00008
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**2559.2**	**38516.**	**5009.2**
Stddev	6.0	221.	29.2
%RSD	.23361	.57348	.58238
#1	2555.0	38672.	4988.6
#2	2563.4	38360.	5029.8

Sample Name: 280-28137-H-5-B Acquired: 5/1/2012 20:34:44 Type: Unk
Method: 6500_025(v2) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 117157 6010b

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00005**	**.02060**	**.00287**	W **13.047**	**.01656**	**.00004**	**-.00592**	W **586.19**	**.00133**	**-.00062**
Stddev	.00053	.00100	.00459	.027	.00036	.00008	.00685	5.65	.00009	.00004
%RSD	995.24	4.8661	159.98	.20929	2.2007	199.76	115.67	.96405	6.5563	6.5622
#1	-.00032	.02131	-.00038	13.066	.01682	-.00002	-.01076	590.18	.00140	-.00065
#2	.00043	.01989	.00612	13.028	.01630	.00010	-.00108	582.19	.00127	-.00059
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass
High Limit				10.000				500.00		
Low Limit				-.01000				-.05000		

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00081**	**.00388**	**.13606**	**38.077**	**1.7298**	**253.92**	**.08459**	**.49504**	W **799.25**	**-.00061**
Stddev	.00003	.00028	.00096	.007	.0102	.54	.00046	.00004	1.32	.00003
%RSD	3.1758	7.3063	.70315	.01728	.59049	.21221	.54669	.00747	.16508	5.2375
#1	.00079	.00408	.13538	38.082	1.7225	254.30	.08492	.49501	798.32	-.00063
#2	.00083	.00368	.13673	38.073	1.7370	253.54	.08426	.49506	800.18	-.00059
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass
High Limit									500.00	
Low Limit									11.000	

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.02289**	**-.00133**	F **849.52**	**.00337**	**.00682**	**7.8925**	**16.890**	**-.00107**	W **13.238**	**-.00117**
Stddev	.00233	.00068	.10	.00303	.00011	.0007	.002	.00115	.215	.00244
%RSD	10.183	50.928	.01183	89.946	1.6672	.00930	.00930	107.34	1.6240	207.98
#1	.02454	-.00181	849.59	.00123	.00674	7.8930	16.891	-.00026	13.390	-.00290
#2	.02125	-.00085	849.45	.00551	.00690	7.8920	16.889	-.00188	13.086	.00055
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass
High Limit			200.00						5.0000	
Low Limit			-.20000						-.01000	

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00075**	**.00113**	**-.00645**	**.00074**	**.17259**	**-.00069**
Stddev	.00022	.00063	.00196	.00067	.00129	.00114
%RSD	29.503	55.491	30.406	90.852	.74901	164.36
#1	.00090	.00158	-.00784	.00121	.17351	.00011
#2	.00059	.00069	-.00506	.00026	.17168	-.00150
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**2759.5**	**42521.**	**5141.8**
Stddev	.6	188.	26.0
%RSD	.02284	.44273	.50485
#1	2760.0	42388.	5123.4
#2	2759.1	42654.	5160.1

Sample Name: 280-28137-H-5-B@5 Acquired: 5/1/2012 20:37:28 Type: Unk
Method: 6500_025(v2) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 117157 6010b

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00041**	**.00426**	**.00232**	**2.7572**	**.00357**	**.00007**	**-.00497**	**122.32**	**.00060**	**-.00032**
Stddev	.00019	.00043	.00146	.0026	.00011	.00015	.00341	.17	.00000	.00025
%RSD	45.940	10.045	63.074	.09426	3.0521	227.71	68.480	.13540	.44649	77.040
#1	.00054	.00396	.00129	2.7590	.00349	-.00004	-.00257	122.44	.00060	-.00015
#2	.00027	.00456	.00336	2.7553	.00364	.00017	-.00738	122.20	.00060	-.00049
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00047**	**.00068**	**.02955**	**7.4847**	**.33508**	**51.149**	**.01710**	**.09947**	**157.11**	**-.00045**
Stddev	.00008	.00006	.00005	.0677	.00036	.015	.00006	.00025	.35	.00005
%RSD	16.052	8.5182	.16299	.90472	.10885	.02973	.33219	.25239	.22357	10.487
#1	.00053	.00072	.02959	7.4368	.33482	51.138	.01714	.09930	156.87	-.00042
#2	.00042	.00063	.02952	7.5325	.33534	51.160	.01706	.09965	157.36	-.00049
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00447**	**.00007**	**173.24**	**-.00065**	**-.00091**	**1.5280**	**3.2699**	**.00019**	**2.6782**	**-.00068**
Stddev	.00208	.00089	.02	.00273	.00455	.0198	.0424	.00182	.0029	.00017
%RSD	46.573	1301.4	.01284	418.79	498.01	1.2980	1.2980	961.16	.10736	24.445
#1	.00595	.00070	173.23	.00128	-.00413	1.5420	3.2999	-.00110	2.6762	-.00080
#2	.00300	-.00056	173.26	-.00259	.00231	1.5140	3.2399	.00148	2.6802	-.00056
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00018**	**.00179**	**.00983**	**.00029**	**.03788**	**.00120**
Stddev	.00011	.00098	.00532	.00003	.00063	.00019
%RSD	62.365	54.699	54.072	9.7391	1.6709	15.878
#1	.00025	.00249	.00607	.00030	.03833	.00106
#2	.00010	.00110	.01359	.00027	.03743	.00133
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**3072.4**	**47230.**	**5271.5**
Stddev	4.6	35.	3.9
%RSD	.14994	.07468	.07461
#1	3075.7	47205.	5268.7
#2	3069.1	47255.	5274.3

Sample Name: CCVH-1390999 Acquired: 5/1/2012 20:39:48 Type: QC
Method: 6500_025(v2) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2714
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00157**	**49.506**	**-.00118**	**.02805**	**.00038**	**.00003**	**1.0293**	**.01152**	**.00008**	**.00028**	**.00045**	**-.00495**	**49.163**
Stddev	.00028	.204	.00080	.00109	.00034	.00008	.0060	.00081	.00001	.00028	.00017	.00028	.080
%RSD	17.653	.41274	67.619	3.8952	89.514	225.98	.58753	7.0598	13.240	99.174	37.176	5.7518	.16257
#1	-.00177	49.361	-.00175	.02883	.00014	.00009	1.0251	.01095	.00008	.00008	.00057	-.00475	49.106
#2	-.00138	49.650	-.00062	.02728	.00062	-.00002	1.0336	.01210	.00009	.00047	.00033	-.00515	49.219
Check ?	None	Chk Pass	None	None	None	None	Chk Pass	None	None	None	None	None	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.14529**	**.00270**	**-.02258**	**.00012**	**.00097**	**244.20**	**.00131**	**.00123**	**-.00050**	**5.1041**	**-.00317**	**.00725**	**-.00587**
Stddev	.03149	.00097	.00347	.00002	.00001	.89	.00007	.00081	.00284	.0036	.00251	.00296	.00626
%RSD	21.671	36.019	15.388	16.347	.53001	.36592	5.5064	65.664	571.04	.07139	79.188	40.808	106.51
#1	.12303	.00201	-.02504	.00014	.00097	243.57	.00136	.00181	.00151	5.1015	-.00495	.00935	-.01030
#2	.16755	.00339	-.02012	.00011	.00097	244.83	.00126	.00066	-.00251	5.1066	-.00140	.00516	-.00145
Check ?	None	None	None	None	None	Chk Pass	None	None	None	Chk Pass	None	None	None
Value													
Range													

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.01257**	**.00127**	**.00057**	**5.0590**	**.00797**	**.00147**	**10.398**	**-.00471**	**.00135**	**-.04322**
Stddev	.01339	.00059	.00007	.0073	.00006	.00225	.040	.00005	.00015	.00045
%RSD	106.51	46.453	12.449	.14325	.78875	153.10	.38726	1.0344	11.027	1.0305
#1	-.02203	.00168	.00062	5.0539	.00792	.00306	10.369	-.00475	.00125	-.04353
#2	-.00310	.00085	.00052	5.0641	.00801	-.00012	10.426	-.00468	.00146	-.04290
Check ?	None	None	None	Chk Pass	None	None	Chk Pass	None	None	None
Value										
Range										

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**3174.4**	**48402.**	**5279.0**
Stddev	4.5	19.	17.2
%RSD	.14242	.03928	.32494
#1	3171.2	48388.	5291.1
#2	3177.6	48415.	5266.8

Sample Name: CCV-1390955 Acquired: 5/1/2012 20:42:08 Type: QC
Method: 6500_025(v2) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.49814**	**.49254**	**.99701**	**.50319**	**.49430**	**.47040**	**-.00227**	**4.7987**	**.50434**	**.49834**	**.50282**	**.50522**	**2.4329**
Stddev	.00055	.00019	.00131	.00075	.00029	.00093	.00137	.0032	.00066	.00053	.00145	.00077	.0059
%RSD	.11075	.03809	.13133	.14936	.05778	.19754	60.245	.06589	.13093	.10708	.28781	.15285	.24352
#1	.49853	.49241	.99608	.50372	.49450	.46974	-.00324	4.8009	.50387	.49796	.50384	.50468	2.4370
#2	.49775	.49267	.99793	.50265	.49410	.47105	-.00130	4.7964	.50480	.49871	.50180	.50577	2.4287
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**48.128**	**.96841**	**19.259**	**.49379**	**.49979**	**4.9763**	**.49780**	**.94924**	**1.0283**	**.04672**	**.97114**	**1.0026**	**4.7653**
Stddev	.115	.00033	.073	.00042	.00029	.0037	.00051	.00300	.0038	.00228	.00109	.0044	.0401
%RSD	.23962	.03454	.37994	.08591	.05718	.07506	.10317	.31606	.36715	4.8721	.11233	.44012	.84263
#1	48.047	.96865	19.311	.49409	.49959	4.9737	.49816	.94712	1.0256	.04511	.97037	.99950	4.7369
#2	48.210	.96818	19.207	.49349	.50000	4.9790	.49744	.95136	1.0309	.04833	.97191	1.0057	4.7937
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**10.198**	**.99966**	**.48648**	**-.00024**	**.48996**	**1.0190**	**.01536**	**.50248**	**.50673**	**.48973**
Stddev	.086	.00273	.00054	.00196	.00137	.0046	.02796	.00146	.00248	.00093
%RSD	.84263	.27335	.11012	815.08	.28026	.44948	182.04	.29015	.48896	.18966
#1	10.137	.99773	.48610	-.00163	.49093	1.0222	.03513	.50352	.50848	.49039
#2	10.258	1.0016	.48686	.00115	.48899	1.0157	-.00441	.50145	.50498	.48907
Check ?	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value										
Range										

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**3210.5**	**49176.**	**5308.7**
Stddev	9.9	287.	39.0
%RSD	.30936	.58393	.73388
#1	3217.6	48973.	5336.3
#2	3203.5	49379.	5281.2

Sample Name: CCB Acquired: 5/1/2012 20:44:21 Type: QC
Method: 6500_025(v2) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00006**	**-.00028**	**-.00193**	F **.01483**	**.00021**	**.00005**	**-.00229**	**-.00196**	**.00010**	**-.00028**	**-.00001**
Stddev	.00011	.00021	.00543	.00074	.00031	.00004	.00077	.00175	.00018	.00004	.00027
%RSD	178.39	74.665	280.79	5.0040	148.69	92.199	33.679	89.069	177.85	12.553	2088.8
#1	-.00002	-.00042	.00191	.01536	.00042	.00002	-.00174	-.00320	.00023	-.00026	.00018
#2	.00015	-.00013	-.00578	.01431	-.00001	.00008	-.00283	-.00073	-.00003	-.00031	-.00020
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				.00700							
Low Limit				-.00700							

Elem	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **-.00149**	**-.00217**	**.05288**	**.00150**	**.00102**	**.00002**	**.00099**	F **.18420**	**-.00053**	**.00132**	**-.00064**
Stddev	.00024	.00187	.00453	.00012	.00019	.00002	.00037	.00336	.00003	.00147	.00030
%RSD	16.252	85.973	8.5673	7.9483	18.364	93.002	37.479	1.8231	6.0660	111.37	46.714
#1	-.00132	-.00085	.04968	.00141	.00089	.00004	.00073	.18183	-.00055	.00028	-.00043
#2	-.00167	-.00349	.05609	.00158	.00115	.00001	.00125	.18658	-.00051	.00236	-.00085
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit	.00136							.18320			
Low Limit	-.00136							-.18320			

Elem	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.04651**	**.00192**	**.00190**	**-.01397**	**-.02991**	**.00135**	**.00005**	**.00182**	**.00019**	**.00095**	**.02834**
Stddev	.00464	.00048	.00276	.00536	.01147	.00039	.00001	.00053	.00016	.00004	.00248
%RSD	9.9818	25.279	145.40	38.342	38.342	29.143	12.379	29.223	82.701	4.5480	8.7475
#1	.04979	.00226	-.00005	-.01776	-.03801	.00107	.00006	.00144	.00030	.00092	.02659
#2	.04323	.00157	.00385	-.01019	-.02180	.00163	.00005	.00219	.00008	.00098	.03009
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit											
Low Limit											

Elem	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm
Avg	**-.00055**	**.00145**	**-.00104**
Stddev	.00054	.00078	.00055
%RSD	97.495	53.887	53.006
#1	-.00017	.00200	-.00143
#2	-.00093	.00090	-.00065
Check ?	Chk Pass	Chk Pass	Chk Pass
High Limit			
Low Limit			

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**3236.5**	**50016.**	**5210.5**
Stddev	3.3	220.	27.5
%RSD	.10090	.43987	.52720
#1	3238.8	49860.	5191.1
#2	3234.2	50171.	5229.9

Sample Name: CCVL1390952 Acquired: 5/1/2012 20:46:47 Type: QC
Method: 6500_025(v2) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599	K_7664
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01053**	**.10325**	**.01220**	**.11001**	**.01026**	**.00098**	**.11434**	**.19721**	**.00520**	**.01041**	**.01016**	**.01489**	**.09792**	**3.0370**
Stddev	.00035	.00074	.00292	.00015	.00025	.00007	.00407	.00203	.00019	.00001	.00030	.00019	.00262	.0559
%RSD	3.3379	.72044	23.975	.13238	2.4430	7.4707	3.5566	1.0299	3.6187	.11983	2.9507	1.2675	2.6782	1.8396
#1	.01078	.10272	.01427	.10991	.01044	.00093	.11146	.19577	.00507	.01042	.01037	.01503	.09977	2.9975
#2	.01028	.10377	.01013	.11011	.01008	.00103	.11721	.19864	.00534	.01040	.00994	.01476	.09607	3.0765
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value														
Range														

Elem	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00846**	**.20695**	**.01042**	**.02002**	**1.1605**	**.04104**	**2.8089**	**.01016**	**.03252**	**.00783**	**.01252**	**.47020**	**1.0062**	**.10372**
Stddev	.00098	.00648	.00005	.00013	.0029	.00015	.0155	.00158	.00623	.00245	.00310	.00836	.0179	.00102
%RSD	11.604	3.1292	.46660	.65859	.25212	.37183	.55337	15.581	19.164	31.282	24.763	1.7779	1.7779	.98511
#1	.00777	.21153	.01039	.02012	1.1626	.04115	2.8199	.00904	.03693	.00610	.01032	.46429	.99358	.10444
#2	.00916	.20237	.01045	.01993	1.1585	.04093	2.7979	.01128	.02811	.00956	.01471	.47611	1.0189	.10299
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value														
Range														

Elem	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00995**	**.01521**	**.00998**	**.01687**	**.07574**	**.00986**	**.02210**	**.01387**
Stddev	.00003	.00204	.00009	.00093	.03242	.00015	.00060	.00060
%RSD	.28603	13.384	.91610	5.4936	42.806	1.5405	2.7338	4.3483
#1	.00997	.01377	.01005	.01621	.09867	.00976	.02167	.01344
#2	.00993	.01665	.00992	.01752	.05282	.00997	.02253	.01430
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value								
Range								

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**3314.7**	**50928.**	**5327.0**
Stddev	3.5	2.	23.1
%RSD	.10512	.00312	.43443
#1	3312.2	50927.	5310.6
#2	3317.1	50929.	5343.4

Sample Name: 280-28137-H-7-B Acquired: 5/1/2012 20:49:10 Type: Unk
Method: 6500_025(v2) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 117157 6010b

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00028**	**.01794**	**.01587**	**7.3612**	**.02523**	**.00009**	**-.00385**	W **502.85**	**.00145**	**-.00060**
Stddev	.00083	.00057	.00097	.0032	.00003	.00007	.00045	1.39	.00000	.00028
%RSD	294.03	3.1569	6.0885	.04406	.10859	82.612	11.697	.27605	.26993	46.066
#1	.00087	.01834	.01656	7.3635	.02521	.00014	-.00417	503.83	.00146	-.00040
#2	-.00030	.01754	.01519	7.3589	.02525	.00004	-.00353	501.87	.00145	-.00079
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass
High Limit								500.00		
Low Limit								-.05000		

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00072**	**.00119**	**.18949**	**33.043**	**1.4129**	**220.67**	**.08152**	**.11138**	W **641.73**	**-.00051**
Stddev	.00020	.00034	.00142	.092	.0009	.33	.00030	.00051	2.00	.00031
%RSD	28.100	28.227	.75020	.27947	.06549	.15030	.37020	.46001	.31191	59.918
#1	.00086	.00143	.19050	33.108	1.4123	220.90	.08173	.11174	643.14	-.00029
#2	.00058	.00095	.18849	32.978	1.4136	220.43	.08130	.11102	640.31	-.00073
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass
High Limit									500.00	
Low Limit									11.000	

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01855**	**-.00205**	F **895.95**	**-.00304**	**.01596**	**7.4974**	**16.044**	**.00127**	W **10.779**	**.00042**
Stddev	.00391	.00127	1.09	.00120	.00483	.0251	.054	.00232	.088	.00030
%RSD	21.080	62.243	.12161	39.543	30.277	.33434	.33434	183.44	.81310	70.660
#1	.02131	-.00115	896.72	-.00389	.01254	7.5151	16.082	-.00038	10.841	.00063
#2	.01578	-.00295	895.18	-.00219	.01938	7.4797	16.006	.00291	10.717	.00021
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass
High Limit			200.00						5.0000	
Low Limit			-.20000						-.01000	

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00085**	**.00075**	**.00706**	**.00129**	**.00748**	**.00031**
Stddev	.00025	.00022	.00127	.00026	.00020	.00024
%RSD	29.558	28.973	18.038	20.107	2.6465	75.169
#1	.00102	.00059	.00796	.00147	.00734	.00015
#2	.00067	.00090	.00616	.00111	.00762	.00048
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**2809.9**	**42993.**	**5112.6**
Stddev	5.8	115.	8.1
%RSD	.20740	.26652	.15862
#1	2805.8	42912.	5106.9
#2	2814.0	43074.	5118.3

Sample Name: 280-28137-H-9-B Acquired: 5/1/2012 20:51:55 Type: Unk
Method: 6500_025(v2) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 117157 6010b

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00027**	**.04263**	**-.00514**	**1.5022**	**.02481**	**.00010**	**-.00780**	W **521.92**	**.00131**	**-.00029**
Stddev	.00018	.00022	.00749	.0042	.00069	.00003	.00041	8.08	.00016	.00009
%RSD	64.798	.51008	145.71	.28248	2.7943	35.113	5.2264	1.5488	12.283	31.721
#1	.00040	.04279	-.01043	1.5052	.02531	.00012	-.00809	516.21	.00120	-.00022
#2	.00015	.04248	.00016	1.4992	.02432	.00007	-.00751	527.64	.00142	-.00035
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass
High Limit								500.00		
Low Limit								-.05000		

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00102**	**.00065**	**.04784**	**52.127**	**.26192**	**288.93**	**.03354**	**.00719**	**51.115**	**.00168**
Stddev	.00001	.00086	.00323	.308	.00334	.31	.00008	.00008	.608	.00006
%RSD	.99541	131.03	6.7540	.59153	1.2749	.10664	.24042	1.0612	1.1892	3.4470
#1	.00101	.00126	.05013	52.345	.26428	289.15	.03360	.00725	51.545	.00172
#2	.00102	.00005	.04556	51.908	.25956	288.71	.03348	.00714	50.685	.00164
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.02054**	**.00098**	F **767.84**	**-.00202**	**.00890**	**11.993**	**25.665**	**-.00007**	W **10.871**	**-.00010**
Stddev	.00008	.00114	1.98	.00110	.00321	.104	.222	.00186	.019	.00100
%RSD	.40909	116.73	.25813	54.411	36.004	.86532	.86532	2688.8	.17032	1004.4
#1	.02048	.00017	769.25	-.00124	.00664	12.066	25.822	-.00138	10.884	-.00080
#2	.02060	.00179	766.44	-.00279	.01117	11.920	25.508	.00125	10.858	.00060
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass
High Limit			200.00						5.0000	
Low Limit			-.20000						-.01000	

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00113**	**.00172**	**.05875**	**.00080**	**.12592**	**-.00110**
Stddev	.00005	.00178	.01273	.00037	.00086	.00299
%RSD	3.9786	103.75	21.666	46.464	.68655	270.35
#1	.00110	.00046	.06775	.00107	.12653	.00101
#2	.00116	.00298	.04975	.00054	.12530	-.00322
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**2891.4**	**45183.**	**5255.3**
Stddev	8.8	198.	9.1
%RSD	.30407	.43714	.17372
#1	2885.1	45044.	5248.8
#2	2897.6	45323.	5261.7

Sample Name: 280-28137-H-9-B@5 Acquired: 5/1/2012 20:54:34 Type: Unk
Method: 6500_025(v2) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 117157 6010b

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00010**	**.00889**	**-.00397**	**.32020**	**.00508**	**.00005**	**-.00385**	**110.18**	**.00074**	**-.00010**
Stddev	.00046	.00086	.00007	.00178	.00036	.00006	.00066	.36	.00010	.00027
%RSD	443.26	9.6569	1.7889	.55639	6.9942	105.11	17.127	.32433	12.960	275.83
#1	.00043	.00950	-.00402	.31894	.00483	.00009	-.00432	109.93	.00081	-.00029
#2	-.00022	.00829	-.00392	.32146	.00533	.00001	-.00338	110.43	.00067	.00009
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Na8183
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	818.326 { 41}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00019**	**-.00041**	**.01598**	**10.304**	**.05301**	**58.807**	**.00697**	**.00132**	**9.7417**	W **10.559**
Stddev	.00003	.00012	.00269	.040	.00065	.174	.00004	.00008	.0489	.311
%RSD	16.909	27.829	16.808	.38444	1.2312	.29520	.62366	6.2279	.50194	2.9445
#1	.00017	-.00050	.01788	10.276	.05255	58.684	.00700	.00138	9.7071	10.339
#2	.00021	-.00033	.01408	10.332	.05347	58.929	.00694	.00126	9.7763	10.779
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn
High Limit										500.00
Low Limit										11.000

Elem	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077
Line	231.604 {446}	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00038**	**.00219**	**.00111**	**157.67**	**-.00293**	**.00163**	**2.3667**	**5.0648**	**-.00192**	**2.2000**
Stddev	.00021	.00060	.00032	.16	.00030	.00027	.0282	.0603	.00020	.0032
%RSD	56.758	27.415	29.332	.09973	10.239	16.523	1.1910	1.1910	10.172	.14620
#1	-.00053	.00176	.00088	157.78	-.00272	.00144	2.3468	5.0222	-.00206	2.1977
#2	-.00023	.00261	.00134	157.55	-.00314	.00182	2.3867	5.1075	-.00178	2.2023
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	283.730 {119}	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00127**	**.00043**	**.00149**	**.04119**	**.00027**	**.02800**	**.00110**
Stddev	.00068	.00011	.00085	.00520	.00005	.00046	.00015
%RSD	53.696	25.205	57.118	12.629	19.175	1.6587	13.829
#1	-.00175	.00051	.00209	.03751	.00030	.02767	.00121
#2	-.00079	.00036	.00089	.04486	.00023	.02833	.00100
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**3156.0**	**49023.**	**5372.2**
Stddev	6.8	4.	.9
%RSD	.21667	.00747	.01757
#1	3160.9	49026.	5372.9
#2	3151.2	49020.	5371.5

Sample Name: 280-28137-H-11-B Acquired: 5/1/2012 20:56:57 Type: Unk
Method: 6500_025(v2) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 117157 6010b

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00003**	**.00323**	**.08391**	W **32.590**	**.02881**	**.00016**	**-.00201**	W **604.00**	**.00142**	**-.00054**
Stddev	.00022	.00028	.00185	.057	.00003	.00002	.00146	4.71	.00013	.00003
%RSD	798.56	8.5930	2.2054	.17378	.10337	12.220	72.787	.77948	9.3325	5.9660
#1	-.00013	.00303	.08261	32.550	.02879	.00014	-.00305	600.68	.00152	-.00056
#2	.00019	.00342	.08522	32.630	.02883	.00017	-.00098	607.33	.00133	-.00051
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass
High Limit				10.000				500.00		
Low Limit				-.01000				-.05000		

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00102**	**.00068**	**.86827**	**57.052**	W **5.2234**	**231.38**	**.63818**	**.02408**	W **2590.9**	**-.00136**
Stddev	.00005	.00013	.00831	.305	.0056	.89	.00056	.00007	4.3	.00031
%RSD	5.2428	19.312	.95672	.53475	.10769	.38437	.08773	.27830	.16651	22.498
#1	.00106	.00058	.86239	56.836	5.2194	230.75	.63778	.02412	2587.8	-.00158
#2	.00098	.00077	.87414	57.268	5.2274	232.00	.63857	.02403	2593.9	-.00115
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass
High Limit					2.0000				500.00	
Low Limit					-.01000				11.000	

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.07574**	**-.00066**	F **1195.5**	**-.00111**	**.00364**	**9.3458**	**20.000**	**-.00017**	W **12.463**	**-.00218**
Stddev	.00617	.00061	.9	.00015	.00022	.0538	.115	.00206	.146	.00024
%RSD	8.1497	91.797	.07608	13.290	6.0009	.57519	.57519	1201.2	1.1697	11.111
#1	.07137	-.00109	1194.8	-.00121	.00348	9.3838	20.081	.00129	12.566	-.00201
#2	.08010	-.00023	1196.1	-.00100	.00379	9.3078	19.919	-.00163	12.360	-.00235
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass
High Limit			200.00						5.0000	
Low Limit			-.20000						-.01000	

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00037**	**.00119**	**.00295**	**.00047**	**.00265**	**-.00069**
Stddev	.00015	.00028	.02015	.00108	.00046	.00099
%RSD	41.381	23.458	682.69	228.79	17.403	143.63
#1	.00026	.00099	.01720	.00123	.00297	.00001
#2	.00047	.00139	-.01130	-.00029	.00232	-.00139
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**2631.7**	**39834.**	**5076.1**
Stddev	.9	53.	14.2
%RSD	.03527	.13314	.27985
#1	2631.1	39871.	5086.1
#2	2632.4	39796.	5066.0

Sample Name: 280-28137-H-12-B Acquired: 5/1/2012 20:59:42 Type: Unk
Method: 6500_025(v2) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 117157 6010b

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00047**	**.00499**	**.08169**	W **11.332**	**.01195**	**.00004**	**-.00385**	**486.76**	**.00117**	**-.00039**
Stddev	.00065	.00007	.00247	.012	.00055	.00005	.00004	7.23	.00037	.00002
%RSD	137.21	1.3536	3.0236	.10380	4.5748	118.27	1.0769	1.4859	31.266	4.2331
#1	.00093	.00504	.07994	11.340	.01233	.00007	-.00382	491.87	.00143	-.00038
#2	.00001	.00494	.08343	11.324	.01156	.00001	-.00388	481.64	.00091	-.00040
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				10.000						
Low Limit				-.01000						

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01124**	**.01671**	**.08408**	**53.933**	**1.8636**	**189.52**	**.00175**	**.28408**	W **733.29**	**.03337**
Stddev	.00018	.00006	.00295	.184	.0007	.18	.00004	.00176	1.30	.00024
%RSD	1.5607	.36583	3.5112	.34069	.03909	.09369	2.3908	.61809	.17740	.72010
#1	.01136	.01675	.08617	54.063	1.8641	189.39	.00178	.28532	734.21	.03320
#2	.01111	.01667	.08199	53.803	1.8631	189.64	.00172	.28284	732.37	.03354
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass
High Limit									500.00	
Low Limit									11.000	

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01187**	**-.00133**	F **944.95**	**-.00139**	**.00638**	**4.2706**	**9.1390**	**-.00004**	W **9.9610**	**-.00125**
Stddev	.00483	.00211	1.08	.00151	.00436	.0030	.0064	.00083	.0989	.00140
%RSD	40.678	158.74	.11416	108.51	68.334	.06962	.06962	2322.4	.99309	111.81
#1	.00846	.00016	945.71	-.00246	.00330	4.2685	9.1345	-.00062	10.031	-.00026
#2	.01529	-.00283	944.19	-.00032	.00946	4.2727	9.1435	.00055	9.8911	-.00224
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass
High Limit			200.00						5.0000	
Low Limit			-.20000						-.01000	

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00075**	**.00261**	**.00880**	**.00111**	**.00379**	**-.00102**
Stddev	.00034	.00252	.00516	.00014	.00034	.00002
%RSD	45.455	96.387	58.619	13.065	8.8877	1.6942
#1	.00051	.00439	.01244	.00100	.00355	-.00100
#2	.00100	.00083	.00515	.00121	.00403	-.00103
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**2848.6**	**43217.**	**5241.1**
Stddev	7.1	94.	23.2
%RSD	.24880	.21662	.44281
#1	2843.6	43283.	5224.7
#2	2853.6	43151.	5257.5

Sample Name: 280-28137-H-12-B@5 Acquired: 5/1/2012 21:02:28 Type: Unk
Method: 6500_025(v2) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 117157 6010b

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00041**	**.00058**	**.01487**	**2.4387**	**.00275**	**.00007**	**-.00201**	**101.60**	**.00058**	**-.00021**
Stddev	.00006	.00052	.00678	.0063	.00004	.00003	.00254	.19	.00013	.00020
%RSD	14.089	89.684	45.575	.26055	1.4461	41.518	126.42	.18666	22.631	96.573
#1	.00037	.00094	.01008	2.4432	.00272	.00009	-.00021	101.74	.00067	-.00007
#2	.00045	.00021	.01966	2.4342	.00278	.00005	-.00380	101.47	.00049	-.00035
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00253**	**.00317**	**.02212**	**10.665**	**.36591**	**39.059**	**.00097**	**.05765**	**147.46**	**.00722**
Stddev	.00012	.00024	.00021	.001	.00071	.196	.00005	.00038	.72	.00020
%RSD	4.8922	7.4856	.97137	.00867	.19518	.50201	4.9362	.66086	.48594	2.7256
#1	.00244	.00300	.02228	10.666	.36540	39.197	.00100	.05792	147.97	.00708
#2	.00262	.00334	.02197	10.664	.36641	38.920	.00094	.05738	146.95	.00736
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00445**	**.00000**	W **198.43**	**-.00301**	**-.00121**	**.84050**	**1.7987**	**-.00031**	**2.0387**	**-.00163**
Stddev	.00055	.0006	.09	.00074	.00403	.00537	.0115	.00015	.0031	.00168
%RSD	12.387	42563.	.04683	24.693	334.19	.63851	.63851	46.555	.15333	103.23
#1	.00484	.00042	198.37	-.00249	-.00406	.83670	1.7905	-.00021	2.0409	-.00044
#2	.00406	-.00042	198.50	-.00354	.00165	.84429	1.8068	-.00042	2.0365	-.00282
Check ?	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit			180.00							
Low Limit			-.15000							

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00024**	**.00207**	**.01416**	**-.00006**	**.00309**	**.00063**
Stddev	.00017	.00151	.03138	.00012	.00000	.00090
%RSD	70.042	73.022	221.68	210.65	.09650	141.89
#1	.00012	.00315	-.00803	-.00014	.00309	.00127
#2	.00036	.00100	.03635	.00003	.00310	.00000
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**3131.8**	**47928.**	**5395.7**
Stddev	4.1	184.	53.6
%RSD	.12995	.38375	.99252
#1	3134.7	47798.	5433.6
#2	3128.9	48058.	5357.9

Sample Name: 280-28137-H-13-B@5 Acquired: 5/1/2012 21:04:50 Type: Unk
Method: 6500_025(v2) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 117157 6010b

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00000**	**.02116**	**-.00233**	**6.9292**	**.00973**	**.00008**	**-.00137**	**157.93**	**.00084**	**-.00009**
Stddev	.0001	.00030	.00164	.0076	.00044	.00000	.00184	.50	.00017	.00004
%RSD	2071.1	1.4023	70.138	.11022	4.5019	5.0558	134.47	.31931	19.750	49.982
#1	.00007	.02095	-.00118	6.9346	.00942	.00008	-.00007	157.57	.00073	-.00012
#2	-.00008	.02137	-.00349	6.9238	.01004	.00009	-.00267	158.28	.00096	-.00006
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01394**	**.08353**	**1.2227**	**14.686**	**1.8409**	**71.420**	**.36379**	**.00220**	W **2552.7**	**.00646**
Stddev	.00052	.00019	.0026	.275	.0051	.498	.00290	.00045	6.8	.00030
%RSD	3.7086	.23104	.21181	1.8727	.27893	.69764	.79601	20.489	.26653	4.5938
#1	.01358	.08366	1.2209	14.492	1.8373	71.068	.36174	.00188	2547.9	.00625
#2	.01431	.08339	1.2245	14.880	1.8445	71.772	.36583	.00252	2557.5	.00667
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass
High Limit									500.00	
Low Limit									11.000	

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.05504**	**-.00128**	F **508.49**	**-.00185**	**.00313**	**1.1823**	**2.5301**	**.00085**	**3.3358**	**-.00189**
Stddev	.00480	.00122	.42	.00117	.00074	.0082	.0175	.00043	.0075	.00006
%RSD	8.7214	95.147	.08236	63.017	23.544	.69311	.69311	50.368	.22362	3.2414
#1	.05164	-.00215	508.78	-.00103	.00365	1.1881	2.5425	.00055	3.3306	-.00185
#2	.05843	-.00042	508.19	-.00267	.00261	1.1765	2.5177	.00116	3.3411	-.00194
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit			200.00							
Low Limit			-.20000							

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00085**	**.00142**	**.01504**	**.00052**	**4.5843**	**-.00108**
Stddev	.00001	.00115	.02619	.00040	.0352	.00026
%RSD	.91399	80.599	174.13	77.721	.76806	24.459
#1	.00085	.00061	.03356	.00023	4.5594	-.00089
#2	.00084	.00223	-.00348	.00080	4.6092	-.00127
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**2725.8**	**40574.**	**5192.0**
Stddev	2.6	206.	10.4
%RSD	.09589	.50887	.20071
#1	2723.9	40720.	5199.4
#2	2727.6	40428.	5184.7

Sample Name: 280-28137-H-13-B@100 Acquired: 5/1/2012 21:07:16 Type: Unk
Method: 6500_025(v2) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 117157 6010b

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00093**	**.00540**	**.00044**	**.37791**	**.00057**	**.00008**	**.00074**	**7.5987**	**.00012**	**-.00009**
Stddev	.00036	.00017	.00332	.00396	.00011	.00010	.00024	.0276	.00009	.00001
%RSD	38.417	3.1096	756.80	1.0486	19.421	128.31	32.235	.36255	75.727	12.846
#1	.00068	.00552	-.00191	.38072	.00064	.00001	.00091	7.5792	.00019	-.00008
#2	.00118	.00528	.00279	.37511	.00049	.00015	.00057	7.6182	.00006	-.00010
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00067**	**.00343**	**.06585**	**.86422**	**.08482**	**3.5586**	**.01747**	**.00000**	**121.52**	**-.00002**
Stddev	.00007	.00019	.00001	.00105	.00063	.0035	.00004	.0005	.29	.00014
%RSD	10.213	5.4325	.01118	.12156	.74843	.09910	.24253	69897.	.23983	904.57
#1	.00072	.00356	.06585	.86348	.08527	3.5561	.01750	-.00033	121.32	.00009
#2	.00062	.00330	.06584	.86496	.08438	3.5611	.01744	.00033	121.73	-.00012
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00465**	**-.00144**	**23.200**	**-.00320**	**.00220**	**.02528**	**.05411**	**.00099**	**.15798**	**-.00174**
Stddev	.00010	.00043	.001	.00049	.00236	.01404	.03004	.00107	.00008	.00045
%RSD	2.1770	29.805	.00402	15.287	107.38	55.508	55.508	108.05	.04803	26.091
#1	.00472	-.00113	23.199	-.00286	.00387	.01536	.03287	.00174	.15803	-.00206
#2	.00458	-.00174	23.201	-.00355	.00053	.03521	.07535	.00023	.15792	-.00142
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00001**	**.00126**	**.01354**	**-.00076**	**.21928**	**-.00135**
Stddev	.00012	.00050	.00738	.00041	.00018	.00039
%RSD	2050.0	39.782	54.514	54.576	.08240	28.615
#1	-.00008	.00091	.00832	-.00047	.21940	-.00163
#2	.00009	.00162	.01876	-.00105	.21915	-.00108
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**3193.3**	**48505.**	**5392.8**
Stddev	9.9	150.	19.6
%RSD	.30974	.30997	.36301
#1	3186.3	48611.	5406.6
#2	3200.3	48399.	5378.9

Sample Name: 280-28137-H-14-B Acquired: 5/1/2012 21:09:37 Type: Unk
Method: 6500_025(v2) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 117157 6010b

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00035**	**.00100**	**.07032**	W **33.838**	**.03217**	**.00006**	**-.00603**	W **723.48**	**.00124**	**-.00042**
Stddev	.00024	.00018	.00644	.180	.00032	.00002	.00195	1.63	.00014	.00025
%RSD	67.361	18.011	9.1520	.53298	1.0085	35.719	32.382	.22508	11.387	58.557
#1	.00052	.00113	.06577	33.965	.03194	.00004	-.00741	724.63	.00134	-.00060
#2	.00018	.00087	.07487	33.710	.03240	.00008	-.00465	722.33	.00114	-.00025
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass
High Limit				10.000				500.00		
Low Limit				-.01000				-.05000		

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00055**	**.00020**	**.03258**	**88.434**	W **8.4916**	**305.87**	**.42009**	**.01105**	W **7476.3**	**-.00169**
Stddev	.00010	.00025	.00158	.286	.0067	1.51	.00007	.00051	.3	.00002
%RSD	18.882	123.42	4.8545	.32296	.07878	.49261	.01665	4.6596	.00441	1.0370
#1	.00062	.00038	.03146	88.232	8.4963	304.80	.42004	.01141	7476.0	-.00167
#2	.00047	.00003	.03370	88.636	8.4869	306.93	.42014	.01068	7476.5	-.00170
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass
High Limit					2.0000				500.00	
Low Limit					-.01000				11.000	

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.21204**	**.00051**	F **1608.8**	**.00010**	**.00759**	**7.7069**	**16.493**	**.00137**	W **16.059**	**-.00161**
Stddev	.00079	.00021	4.4	.00196	.00037	.0270	.058	.00060	.158	.00043
%RSD	.37417	41.188	.27600	2002.2	4.8221	.34981	.34981	43.606	.98692	26.661
#1	.21148	.00066	1611.9	-.00129	.00785	7.7260	16.534	.00095	16.172	-.00191
#2	.21260	.00036	1605.6	.00148	.00733	7.6878	16.452	.00179	15.947	-.00131
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass
High Limit			200.00						5.0000	
Low Limit			-.20000						-.01000	

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00076**	**.00254**	**-.00682**	**.00121**	**.02512**	**-.00016**
Stddev	.00046	.00242	.05148	.00023	.00193	.00111
%RSD	60.386	95.322	754.34	18.744	7.6661	689.59
#1	.00044	.00083	-.04322	.00105	.02376	-.00094
#2	.00109	.00425	.02957	.00137	.02648	.00062
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**2376.3**	**35410.**	**4958.4**
Stddev	7.0	23.	31.6
%RSD	.29534	.06495	.63696
#1	2371.3	35393.	4936.1
#2	2381.3	35426.	4980.8

Sample Name: CCVH-1390999 Acquired: 5/1/2012 21:12:22 Type: QC
Method: 6500_025(v2) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00157**	**48.380**	**-.00133**	**.05476**	**.00052**	**.00003**	**1.0181**	**.02453**	**.00002**	**.00013**	**.00045**	**-.00527**
Stddev	.00020	.157	.00290	.00393	.00024	.00001	.0003	.00644	.00002	.00028	.00003	.00027
%RSD	13.070	.32350	218.94	7.1772	46.756	26.073	.02465	26.255	92.503	212.04	7.2970	5.1029
#1	-.00142	48.269	-.00338	.05754	.00035	.00004	1.0179	.02908	.00003	-.00006	.00043	-.00508
#2	-.00171	48.490	.00073	.05199	.00070	.00003	1.0183	.01998	.00001	.00032	.00048	-.00546
Check ?	None	Chk Pass	None	None	None	None	Chk Pass	None	None	None	None	None
Value												
Range												

Elem	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316	P_1782	Pb2203	S_1820	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**48.365**	**.33644**	**.00254**	**-.01769**	**.00026**	**.00051**	**240.99**	**.00135**	**.00373**	**-.00097**	**5.1439**	**-.00326**
Stddev	.091	.09230	.00155	.00228	.00000	.00016	1.50	.00026	.00043	.00065	.0046	.00069
%RSD	.18783	27.433	60.958	12.873	.73247	32.456	.62268	19.594	11.473	66.820	.08966	21.109
#1	48.301	.40170	.00363	-.01608	.00026	.00062	239.93	.00153	.00343	-.00051	5.1472	-.00375
#2	48.429	.27118	.00144	-.01930	.00026	.00039	242.05	.00116	.00404	-.00143	5.1407	-.00277
Check ?	Chk Pass	None	None	None	None	None	Chk Pass	None	None	None	Chk Pass	None
Value												
Range												

Elem	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00808**	**-.00740**	**-.01583**	**.00244**	**.00080**	**5.1356**	**.00807**	**-.00106**	W **10.557**	**-.00484**	**.00024**	**-.05372**
Stddev	.00002	.00010	.00021	.00012	.00010	.0017	.00020	.00278	.007	.00010	.00002	.00265
%RSD	.22415	1.3014	1.3014	4.9920	12.563	.03206	2.4884	261.41	.07017	1.9894	8.6281	4.9313
#1	.00807	-.00746	-.01597	.00235	.00087	5.1345	.00793	.00090	10.551	-.00491	.00022	-.05559
#2	.00810	-.00733	-.01568	.00252	.00073	5.1368	.00821	-.00303	10.562	-.00478	.00025	-.05184
Check ?	None	None	None	None	None	Chk Pass	None	None	Chk Warn	None	None	None
Value									10.000			
Range									5.0000%			

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**3213.3**	**48453.**	**5464.8**
Stddev	5.6	63.	19.3
%RSD	.17484	.12967	.35343
#1	3217.2	48498.	5478.4
#2	3209.3	48409.	5451.1

Sample Name: CCV-1390955 Acquired: 5/1/2012 21:14:42 Type: QC
Method: 6500_025(v2) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.50917**	**.49507**	**1.0139**	**.51827**	**.50163**	**.46732**	**-.00426**	**4.7623**	**.50663**	**.50144**	**.50578**	**.52254**	**2.4818**
Stddev	.00068	.00174	.0022	.00396	.00039	.00102	.00278	.0036	.00024	.00055	.00030	.00045	.0054
%RSD	.13409	.35055	.21696	.76372	.07713	.21764	65.201	.07520	.04726	.11068	.05885	.08523	.21876
#1	.50869	.49384	1.0155	.52107	.50135	.46660	-.00623	4.7598	.50680	.50183	.50599	.52222	2.4780
#2	.50966	.49629	1.0124	.51547	.50190	.46804	-.00230	4.7649	.50646	.50105	.50557	.52285	2.4856
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**48.975**	**.96052**	**19.653**	**.50640**	**.50484**	**5.1425**	**.50082**	**.95313**	**1.0430**	**.09486**	**.97437**	**1.0223**	**4.6687**
Stddev	.072	.00010	.027	.00090	.00171	.0237	.00049	.00352	.0002	.00169	.00318	.0056	.0363
%RSD	.14685	.01020	.13880	.17786	.33929	.46098	.09811	.36900	.01699	1.7790	.32686	.54918	.77797
#1	48.924	.96045	19.633	.50577	.50605	5.1257	.50117	.95561	1.0429	.09605	.97662	1.0263	4.6430
#2	49.026	.96058	19.672	.50704	.50363	5.1592	.50048	.95064	1.0431	.09367	.97211	1.0184	4.6943
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**9.9909**	**1.0102**	**.49429**	**.00131**	**.49207**	**1.0272**	**-.00835**	**.50630**	**.51597**	**.50007**
Stddev	.0777	.0015	.00031	.00121	.00103	.0015	.02171	.00092	.00135	.00051
%RSD	.77797	.15064	.06309	92.845	.20982	.14979	259.89	.18182	.26100	.10241
#1	9.9360	1.0113	.49407	.00045	.49134	1.0283	.00700	.50565	.51502	.50043
#2	10.046	1.0091	.49451	.00216	.49280	1.0262	-.02370	.50695	.51692	.49970
Check ?	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value										
Range										

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**3256.0**	**49626.**	**5377.6**
Stddev	3.2	131.	42.8
%RSD	.09748	.26322	.79576
#1	3253.8	49534.	5407.8
#2	3258.3	49719.	5347.3

Sample Name: CCB Acquired: 5/1/2012 21:16:55 Type: QC
Method: 6500_025(v2) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00054**	**-.00095**	**-.00098**	F **.02674**	**.00013**	**.00011**	**-.00376**	**-.00212**	**.00015**	**-.00011**	**.00018**	**-.00102**	**.00182**
Stddev	.00006	.00029	.00093	.00107	.00015	.00016	.00061	.00296	.00016	.00011	.00013	.00003	.00003
%RSD	10.743	30.870	95.208	4.0110	120.01	143.41	16.213	139.47	103.61	101.00	71.545	3.0361	1.8933
#1	.00059	-.00115	-.00164	.02750	.00023	.00023	-.00333	-.00422	.00004	-.00018	.00009	-.00104	.00179
#2	.00050	-.00074	-.00032	.02599	.00002	.00000	-.00419	-.00003	.00026	-.00003	.00027	-.00099	.00184
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				.00700									
Low Limit				-.00700									

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.10898**	**.00097**	**.00253**	**.00001**	**.00075**	F **.37612**	**-.00021**	**.00210**	**-.00063**	**.10527**	**.00202**	**.00039**	**-.02111**
Stddev	.02298	.00054	.00130	.00003	.00011	.00004	.00028	.00060	.00067	.00125	.00021	.00357	.00433
%RSD	21.086	56.080	51.591	329.88	15.191	.01035	132.97	28.597	107.46	1.1907	10.448	922.24	20.505
#1	.09274	.00135	.00345	-.00001	.00067	.37615	-.00040	.00252	-.00110	.10615	.00187	-.00214	-.02417
#2	.12523	.00058	.00161	.00003	.00083	.37609	-.00001	.00167	-.00015	.10438	.00217	.00291	-.01805
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						.18320							
Low Limit						-.18320							

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.04518**	**.00153**	**.00007**	**.00023**	**.00029**	**-.00059**	**.04325**	**-.00029**	**.00230**	**-.00006**
Stddev	.00926	.00090	.00005	.00127	.00021	.00161	.04584	.00005	.00014	.00199
%RSD	20.505	58.676	77.485	553.34	70.046	273.24	106.01	15.907	5.9590	3546.9
#1	-.05173	.00090	.00011	.00113	.00044	.00055	.01083	-.00026	.00239	.00135
#2	-.03863	.00217	.00003	-.00067	.00015	-.00173	.07566	-.00032	.00220	-.00146
Check ?	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**3308.8**	**50146.**	**5342.3**
Stddev	7.3	47.	17.8
%RSD	.22035	.09445	.33314
#1	3303.7	50180.	5354.9
#2	3314.0	50113.	5329.7

Sample Name: CCVL1390952 Acquired: 5/1/2012 21:19:19 Type: QC
Method: 6500_025(v2) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01103**	**.10284**	**.01424**	**.12045**	**.01012**	**.00093**	**.11445**	**.19024**	**.00523**	**.01017**	**.01013**	**.01519**	**.09916**
Stddev	.00007	.00000	.00095	.00066	.00009	.00003	.00050	.00004	.00023	.00034	.00004	.00031	.00118
%RSD	.63118	.00310	6.6960	.54625	.89008	3.5719	.43502	.02118	4.4329	3.3346	.44201	2.0473	1.1914
#1	.01098	.10284	.01356	.12092	.01018	.00091	.11480	.19027	.00539	.00993	.01009	.01541	.09832
#2	.01108	.10285	.01491	.11999	.01006	.00096	.11410	.19022	.00506	.01041	.01016	.01497	.09999
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**3.0563**	**.01071**	**.21125**	**.01056**	**.01990**	**1.2786**	**.04060**	**2.7942**	**.01015**	**.07845**	F **.00538**	**.01855**	**.45404**
Stddev	.0128	.00333	.00088	.00003	.00072	.0063	.00047	.0012	.00172	.00850	.00145	.00013	.00991
%RSD	.41829	31.101	.41428	.30117	3.6273	.49091	1.1477	.04302	16.987	10.832	26.892	.72678	2.1833
#1	3.0653	.01306	.21063	.01054	.02041	1.2831	.04027	2.7951	.01137	.08446	.00436	.01846	.44703
#2	3.0472	.00835	.21187	.01058	.01939	1.2742	.04092	2.7934	.00893	.07244	.00640	.01865	.46105
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Fail	Chk Pass	Chk Pass
Value											.01000		
Range											-30.000%		

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.97164**	**.10295**	**.00991**	**.01645**	**.00985**	**.01700**	F **.09275**	**.00925**	**.02255**	**.01371**
Stddev	.02121	.00135	.00007	.00146	.00008	.00045	.01089	.00048	.00049	.00050
%RSD	2.1833	1.3156	.68493	8.8525	.84953	2.6719	11.737	5.1752	2.1556	3.6183
#1	.95664	.10199	.00986	.01542	.00979	.01732	.10045	.00959	.02290	.01336
#2	.98664	.10390	.00995	.01748	.00991	.01668	.08506	.00891	.02221	.01406
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
Value							.06000			
Range							30.000%			

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**3383.5**	**51482.**	**5485.9**
Stddev	11.9	100.	17.1
%RSD	.35310	.19465	.31165
#1	3391.9	51411.	5473.8
#2	3375.0	51553.	5498.0

Sample Name: 280-28137-H-15-B Acquired: 5/1/2012 21:21:41 Type: Unk
Method: 6500_025(v2) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 117157 6010b

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00052**	**.00937**	**.09175**	W **18.381**	**.01914**	**-.00001**	**-.00438**	**464.98**	**.00097**	**-.00032**
Stddev	.00065	.00045	.00040	.019	.00006	.00007	.00143	.60	.00003	.00026
%RSD	125.10	4.8051	.43694	.10262	.29893	1320.5	32.604	.12999	3.1121	79.179
#1	.00098	.00969	.09146	18.368	.01918	-.00005	-.00337	464.55	.00095	-.00014
#2	.00006	.00905	.09203	18.394	.01910	.00004	-.00538	465.41	.00100	-.00050
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				10.000						
Low Limit				-.01000						

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00107**	**.00161**	**.29040**	**51.330**	W **2.7866**	**209.28**	**.13650**	**.11471**	W **1237.4**	**-.00018**
Stddev	.00013	.00015	.00134	.106	.0087	.97	.00041	.00010	.6	.00017
%RSD	12.303	9.3028	.46208	.20641	.31366	.46303	.30055	.09093	.05235	93.354
#1	.00116	.00172	.29135	51.255	2.7928	209.97	.13679	.11463	1237.9	-.00006
#2	.00098	.00150	.28945	51.405	2.7805	208.60	.13621	.11478	1237.0	-.00030
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass
High Limit					2.0000				500.00	
Low Limit					-.01000				11.000	

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01872**	**-.00137**	F **1102.9**	**-.00098**	**.00609**	**5.2455**	**11.225**	**.00070**	W **9.8847**	**-.00135**
Stddev	.00007	.00051	.5	.00175	.00058	.0137	.029	.00094	.0988	.00059
%RSD	.36549	36.845	.04682	179.46	9.5998	.26161	.26161	133.88	.99970	44.092
#1	.01877	-.00102	1102.5	-.00221	.00568	5.2552	11.246	.00137	9.9546	-.00093
#2	.01867	-.00173	1103.3	.00026	.00650	5.2357	11.205	.00004	9.8148	-.00177
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass
High Limit			200.00						5.0000	
Low Limit			-.20000						-.01000	

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00080**	**.00203**	**.00381**	**.00028**	**.00282**	**.00110**
Stddev	.00021	.00087	.03951	.00010	.00001	.00047
%RSD	26.426	42.741	1037.8	35.935	.37568	42.565
#1	.00065	.00264	-.02413	.00021	.00282	.00077
#2	.00095	.00142	.03175	.00035	.00281	.00143
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**2795.6**	**41789.**	**5182.2**
Stddev	5.5	128.	22.7
%RSD	.19708	.30574	.43899
#1	2799.5	41698.	5198.3
#2	2791.7	41879.	5166.1

Sample Name: 280-28137-H-16-B Acquired: 5/1/2012 21:24:26 Type: Unk
Method: 6500_025(v2) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 117157 6010b

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00047**	**.01778**	**.02859**	W **32.066**	**.03879**	**.00009**	**-.00622**	W **626.72**	**.00136**	**-.00076**
Stddev	.00034	.00049	.00261	.069	.00041	.00000	.00046	2.48	.00002	.00001
%RSD	71.894	2.7300	9.1381	.21524	1.0542	.61524	7.4658	.39496	1.3604	1.7220
#1	.00023	.01812	.02674	32.115	.03850	.00009	-.00589	628.47	.00134	-.00077
#2	.00071	.01744	.03043	32.017	.03908	.00009	-.00655	624.97	.00137	-.00075
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass
High Limit				10.000				500.00		
Low Limit				-.01000				-.05000		

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00277**	**.00064**	**.06493**	**63.588**	W **7.3133**	**228.62**	**.69233**	**.03829**	W **6372.0**	**-.00069**
Stddev	.00030	.00016	.00173	.042	.0283	1.10	.00034	.00008	16.0	.00007
%RSD	10.844	25.154	2.6576	.06612	.38643	.47931	.04873	.20348	.25169	10.802
#1	.00255	.00075	.06371	63.558	7.2933	227.84	.69209	.03834	6360.7	-.00074
#2	.00298	.00052	.06615	63.618	7.3332	229.39	.69257	.03823	6383.3	-.00063
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass
High Limit					2.0000				500.00	
Low Limit					-.01000				11.000	

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.13272**	**.00083**	F **1671.6**	**.00067**	**.00719**	**4.3152**	**9.2346**	**.00040**	W **13.447**	**-.00169**
Stddev	.00261	.00182	1.9	.00025	.00785	.0081	.0174	.00139	.193	.00035
%RSD	1.9668	218.98	.11242	37.907	109.23	.18845	.18845	350.75	1.4387	20.822
#1	.13087	.00211	1672.9	.00085	.01274	4.3095	9.2223	-.00059	13.311	-.00144
#2	.13457	-.00046	1670.3	.00049	.00164	4.3210	9.2469	.00138	13.584	-.00194
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass
High Limit			200.00						5.0000	
Low Limit			-.20000						-.01000	

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00091**	**.00253**	**-.00994**	**.00057**	**.00362**	**-.00106**
Stddev	.00036	.00014	.04149	.00042	.00097	.00221
%RSD	39.857	5.7262	417.36	74.226	26.795	207.85
#1	.00117	.00263	.01940	.00086	.00294	-.00263
#2	.00065	.00243	-.03928	.00027	.00431	.00050
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**2452.2**	**36580.**	**5075.5**
Stddev	3.1	116.	38.8
%RSD	.12481	.31589	.76384
#1	2454.4	36498.	5048.1
#2	2450.0	36662.	5102.9

Sample Name: 280-28137-H-17-B@5 Acquired: 5/1/2012 21:27:13 Type: Unk
Method: 6500_025(v2) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 117157 6010b

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00030**	**-.00009**	**-.00264**	**9.9604**	**.00610**	**.00006**	**-.00437**	**166.65**	**.00075**	**-.00029**
Stddev	.00009	.00030	.00013	.0057	.00007	.00000	.00000	.40	.00013	.00024
%RSD	30.477	340.19	4.8763	.05761	1.1792	.44241	.04635	.23867	17.829	81.777
#1	.00036	-.00030	-.00255	9.9564	.00605	.00006	-.00437	166.37	.00084	-.00012
#2	.00024	.00012	-.00273	9.9645	.00615	.00006	-.00438	166.94	.00065	-.00046
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00044**	**.00359**	**.04037**	**13.558**	W **2.1904**	**65.532**	**.22446**	**.00153**	W **2421.2**	**.00002**
Stddev	.00008	.00044	.00126	.037	.0011	.055	.00056	.00026	2.2	.00024
%RSD	17.761	12.160	3.1276	.27450	.04887	.08358	.24921	16.886	.09039	976.37
#1	.00050	.00389	.03947	13.584	2.1896	65.570	.22485	.00171	2419.6	.00019
#2	.00039	.00328	.04126	13.531	2.1912	65.493	.22406	.00135	2422.7	-.00014
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass
High Limit					2.0000				500.00	
Low Limit					-.01000				11.000	

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.02190**	**-.00201**	F **478.99**	**-.00368**	**.00280**	**2.8932**	**6.1914**	**-.00008**	**3.9544**	**-.00283**
Stddev	.00084	.00078	.44	.00116	.00229	.0281	.0601	.00051	.0013	.00081
%RSD	3.8444	38.829	.09119	31.499	81.575	.97068	.97068	642.18	.03162	28.516
#1	.02131	-.00256	478.68	-.00450	.00442	2.8733	6.1489	-.00044	3.9535	-.00341
#2	.02250	-.00146	479.30	-.00286	.00119	2.9130	6.2339	.00028	3.9553	-.00226
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit			200.00							
Low Limit			-.20000							

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00007**	**.00304**	**.00952**	**.00003**	**.03388**	**.00030**
Stddev	.00027	.00297	.06265	.00042	.00039	.00120
%RSD	391.05	97.624	658.03	1378.5	1.1610	397.39
#1	.00026	.00094	.05382	.00033	.03416	.00115
#2	-.00012	.00514	-.03478	-.00027	.03360	-.00055
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**2763.1**	**40836.**	**5283.2**
Stddev	7.2	13.	28.9
%RSD	.26230	.03198	.54702
#1	2768.3	40827.	5303.7
#2	2758.0	40846.	5262.8

Sample Name: 280-28137-H-17-B@100 Acquired: 5/1/2012 21:29:41 Type: Unk
Method: 6500_025(v2) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 117157 6010b

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00003**	**-.00034**	**-.00313**	**.54969**	**.00042**	**-.00002**	**.00234**	**7.9755**	**.00000**	**-.00025**
Stddev	.00006	.00015	.00647	.00312	.00001	.00006	.00153	.0290	.00013	.00004
%RSD	169.28	42.845	206.59	.56693	2.7147	282.66	65.599	.36310	3917.6	17.570
#1	-.00008	-.00045	-.00771	.55189	.00041	.00002	.00125	7.9960	-.00009	-.00021
#2	.00001	-.00024	.00144	.54749	.00043	-.00006	.00342	7.9550	.00010	-.00028
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00024**	**-.00026**	**.00722**	**.78569**	**.10279**	**3.1651**	**.01045**	**.00004**	**114.32**	**-.00053**
Stddev	.00015	.00035	.00081	.01785	.00237	.0109	.00005	.00009	.32	.00030
%RSD	62.209	136.51	11.184	2.2723	2.3085	.34427	.51683	237.87	.28095	55.729
#1	.00013	-.00001	.00665	.79832	.10111	3.1574	.01041	-.00003	114.55	-.00074
#2	.00034	-.00050	.00780	.77307	.10447	3.1728	.01048	.00010	114.09	-.00032
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00063**	**.00049**	**21.741**	**-.00398**	**.00018**	**.11610**	**.24846**	**-.00065**	**.18527**	**.00094**
Stddev	.00049	.00069	.049	.00310	.00636	.00699	.01496	.00016	.00060	.00019
%RSD	76.903	141.96	.22759	77.908	3467.7	6.0218	6.0218	24.858	.32356	20.011
#1	.00029	.00000	21.776	-.00618	-.00431	.11116	.23788	-.00054	.18569	.00081
#2	.00098	.00098	21.706	-.00179	.00468	.12105	.25904	-.00077	.18485	.00107
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00006**	**.00126**	**.02896**	**-.00042**	**.00475**	**-.00141**
Stddev	.00024	.00019	.01597	.00011	.00029	.00184
%RSD	400.86	14.817	55.145	27.293	6.0509	130.19
#1	-.00011	.00139	.04025	-.00034	.00495	-.00272
#2	.00023	.00113	.01766	-.00050	.00454	-.00011
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**3227.7**	**49435.**	**5461.7**
Stddev	6.1	106.	24.1
%RSD	.18874	.21424	.44216
#1	3223.4	49510.	5444.6
#2	3232.0	49360.	5478.8

Sample Name: 280-28137-H-19-B@5 Acquired: 5/1/2012 21:32:03 Type: Unk
Method: 6500_025(v2) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 117157 6010b

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00020**	**.06316**	**.00445**	**9.7206**	**.00720**	**.00006**	**.00222**	**129.56**	**.00059**	**.00030**
Stddev	.00062	.00125	.00203	.0150	.00007	.00007	.00077	.36	.00015	.00002
%RSD	303.45	1.9791	45.678	.15465	.95078	112.12	34.462	.27626	25.261	5.0934
#1	-.00064	.06227	.00301	9.7313	.00715	.00011	.00168	129.81	.00049	.00029
#2	.00023	.06404	.00588	9.7100	.00725	.00001	.00276	129.30	.00070	.00031
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.09630**	**.00236**	**1.4380**	**12.586**	W **2.4058**	**42.370**	**.19185**	**.00864**	W **2040.6**	**.02721**
Stddev	.00012	.00025	.0075	.022	.0067	.127	.00058	.00003	6.7	.00029
%RSD	.11980	10.574	.51919	.17089	.28029	.29976	.30355	.33787	.33040	1.0622
#1	.09638	.00219	1.4433	12.570	2.4106	42.460	.19226	.00861	2045.4	.02741
#2	.09622	.00254	1.4327	12.601	2.4010	42.280	.19144	.00866	2035.9	.02700
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass
High Limit					2.0000				500.00	
Low Limit					-.01000				11.000	

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.04216**	**-.00040**	F **543.71**	**-.00021**	**.00421**	**1.5851**	**3.3922**	**-.00033**	**2.6997**	**-.00093**
Stddev	.00246	.00267	.98	.00379	.00681	.0024	.0052	.00059	.0054	.00154
%RSD	5.8382	665.04	.18099	1807.7	161.71	.15237	.15237	176.11	.19935	166.35
#1	.04390	.00149	544.41	.00247	.00903	1.5868	3.3958	-.00075	2.7035	-.00202
#2	.04042	-.00229	543.02	-.00289	-.00060	1.5834	3.3885	.00008	2.6959	.00016
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit			200.00							
Low Limit			-.20000							

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00238**	**-.00088**	**.03170**	**.00047**	**.05711**	**.00109**
Stddev	.00013	.00127	.01281	.00012	.00066	.00362
%RSD	5.5276	144.96	40.406	25.972	1.1506	333.67
#1	.00229	-.00178	.04075	.00055	.05758	-.00148
#2	.00248	.00002	.02264	.00038	.05665	.00365
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**2800.9**	**41871.**	**5289.8**
Stddev	3.0	34.	11.9
%RSD	.10756	.08109	.22492
#1	2798.8	41847.	5281.3
#2	2803.0	41895.	5298.2

Sample Name: 280-28137-H-19-B@100 Acquired: 5/1/2012 21:34:30 Type: Unk
Method: 6500_025(v2) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 117157 6010b

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00050**	**.00302**	**.00057**	**.53130**	**.00052**	**.00006**	**-.00177**	**6.2124**	**.00008**	**.00002**
Stddev	.00038	.00006	.00280	.00520	.00024	.00000	.00190	.0005	.00021	.00012
%RSD	76.707	1.8740	490.47	.97960	46.455	6.0486	106.93	.00770	249.60	511.98
#1	.00077	.00298	.00255	.53498	.00070	.00006	-.00043	6.2121	-.00006	-.00006
#2	.00023	.00306	-.00141	.52762	.00035	.00006	-.00311	6.2128	.00023	.00011
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00458**	**-.00111**	**.06835**	**.72112**	**.11303**	**2.1002**	**.00906**	**.00005**	**97.742**	**.00084**
Stddev	.00001	.00023	.00178	.01571	.00067	.0083	.00019	.00004	.266	.00019
%RSD	.23268	20.549	2.6040	2.1781	.58936	.39486	2.0974	81.607	.27238	22.245
#1	.00458	-.00127	.06961	.71001	.11350	2.1061	.00919	.00002	97.554	.00071
#2	.00459	-.00095	.06709	.73222	.11256	2.0944	.00892	.00008	97.931	.00098
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00413**	**-.00037**	**24.993**	**-.00279**	**.00077**	**.06629**	**.14187**	**-.00063**	**.12787**	**.00092**
Stddev	.00435	.00112	.051	.00038	.00443	.00181	.00388	.00004	.00037	.00015
%RSD	105.30	303.31	.20423	13.569	576.84	2.7365	2.7365	6.4306	.28965	16.828
#1	.00721	-.00116	25.029	-.00305	.00390	.06501	.13912	-.00066	.12814	.00103
#2	.00106	.00042	24.956	-.00252	-.00237	.06758	.14461	-.00060	.12761	.00081
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00003**	**.00099**	**.01262**	**-.00024**	**.00606**	**-.00172**
Stddev	.00004	.00168	.00169	.00008	.00050	.00136
%RSD	105.66	169.50	13.369	34.028	8.2500	78.624
#1	.00001	-.00020	.01142	-.00029	.00571	-.00268
#2	.00006	.00218	.01381	-.00018	.00641	-.00077
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**3236.4**	**49557.**	**5484.7**
Stddev	8.9	17.	22.9
%RSD	.27586	.03384	.41831
#1	3230.1	49545.	5500.9
#2	3242.7	49569.	5468.5

Sample Name: 280-28137-H-21-B Acquired: 5/1/2012 21:36:52 Type: Unk
Method: 6500_025(v2) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 117157 6010b

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00014**	**.00696**	**-.00083**	**1.0363**	**.01730**	**.00003**	**-.00767**	**498.80**	**.00137**	**.00027**
Stddev	.00005	.00096	.00355	.0046	.00021	.00003	.00185	3.83	.00017	.00037
%RSD	34.071	13.858	428.63	.43980	1.2411	117.16	24.154	.76876	12.459	135.29
#1	-.00018	.00628	.00168	1.0331	.01745	.00005	-.00636	496.09	.00125	.00001
#2	-.00011	.00764	-.00334	1.0395	.01715	.00000	-.00898	501.51	.00149	.00053
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00242**	**.09573**	**.00951**	**19.740**	**.30700**	**228.23**	**.01830**	**.02808**	**230.70**	**.00157**
Stddev	.00013	.00036	.00074	.166	.00355	1.41	.00010	.00038	2.14	.00046
%RSD	5.2129	.37925	7.7676	.84175	1.1551	.61984	.53550	1.3687	.92677	29.062
#1	.00250	.09599	.00898	19.858	.30951	229.23	.01837	.02781	232.22	.00125
#2	.00233	.09548	.01003	19.623	.30450	227.23	.01823	.02835	229.19	.00189
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.06739**	**-.00044**	F **808.12**	**-.00016**	**.00987**	**8.4064**	**17.990**	**-.00008**	W **10.675**	**-.00137**
Stddev	.00065	.00026	1.45	.00068	.00520	.0623	.133	.00123	.124	.00038
%RSD	.96708	59.567	.17988	433.05	52.733	.74133	.74133	1553.2	1.1662	27.643
#1	.06785	-.00063	807.09	.00032	.00619	8.4505	18.084	-.00095	10.763	-.00164
#2	.06693	-.00026	809.15	-.00063	.01355	8.3624	17.895	.00079	10.587	-.00110
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass
High Limit			200.00						5.0000	
Low Limit			-.20000						-.01000	

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00080**	**.00024**	**.04141**	**.00081**	**.04983**	**-.00041**
Stddev	.00018	.00092	.02950	.00049	.00028	.00020
%RSD	22.759	381.72	71.222	60.596	.56513	48.160
#1	.00067	-.00041	.06227	.00116	.04963	-.00027
#2	.00092	.00089	.02056	.00047	.05002	-.00056
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**2884.1**	**44761.**	**5306.2**
Stddev	1.4	161.	14.7
%RSD	.04890	.35877	.27626
#1	2883.1	44875.	5295.9
#2	2885.1	44648.	5316.6

Sample Name: 280-28137-H-22-B Acquired: 5/1/2012 21:39:31 Type: Unk
Method: 6500_025(v2) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 117157 6010b

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00024**	**.00438**	**.08984**	W **25.749**	**.03246**	**.00011**	**-.00546**	W **569.96**	**.00104**	**-.00039**
Stddev	.00030	.00004	.00408	.132	.00007	.00006	.00441	4.55	.00009	.00017
%RSD	124.03	.91392	4.5448	.51155	.22717	50.374	80.768	.79765	8.4815	44.746
#1	.00003	.00441	.09273	25.842	.03241	.00015	-.00858	573.17	.00098	-.00027
#2	.00045	.00436	.08695	25.656	.03251	.00007	-.00234	566.74	.00110	-.00051
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass
High Limit				10.000				500.00		
Low Limit				-.01000				-.05000		

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00078**	**.00077**	**1.0766**	**56.710**	W **3.9078**	**234.44**	**1.0624**	**.01326**	W **1767.0**	**-.00107**
Stddev	.00035	.00021	.0078	.109	.0103	.64	.0038	.00018	2.8	.00033
%RSD	45.327	26.928	.72212	.19216	.26264	.27257	.35387	1.3279	.15620	30.837
#1	.00103	.00092	1.0711	56.633	3.9005	234.89	1.0598	.01339	1765.1	-.00130
#2	.00053	.00063	1.0821	56.787	3.9150	233.99	1.0651	.01314	1769.0	-.00084
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass
High Limit					2.0000				500.00	
Low Limit					-.01000				11.000	

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.08148**	**-.00144**	F **1065.4**	**.00126**	**.01130**	**10.554**	**22.585**	**.00026**	W **12.107**	**-.00071**
Stddev	.00118	.00110	4.7	.00092	.00060	.016	.035	.00021	.090	.00102
%RSD	1.4429	76.112	.44033	73.031	5.3125	.15379	.15379	81.397	.74520	142.64
#1	.08065	-.00222	1068.7	.00191	.01088	10.542	22.561	.00040	12.044	.00001
#2	.08231	-.00067	1062.1	.00061	.01173	10.565	22.610	.00011	12.171	-.00143
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass
High Limit			200.00						5.0000	
Low Limit			-.20000						-.01000	

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00049**	**.00142**	**.02200**	**.00038**	**.00489**	**.00028**
Stddev	.00029	.00188	.02677	.00054	.00022	.00164
%RSD	58.542	132.65	121.70	142.47	4.4208	580.31
#1	.00029	.00275	.00307	.00000	.00474	.00144
#2	.00069	.00009	.04093	.00076	.00504	-.00088
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**2688.5**	**41224.**	**5196.7**
Stddev	8.0	128.	10.0
%RSD	.29788	.30952	.19275
#1	2682.8	41314.	5189.6
#2	2694.1	41134.	5203.8

Sample Name: 280-28137-H-23-D Acquired: 5/1/2012 21:42:16 Type: Unk
Method: 6500_025(v2) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 117157 6010b

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00057**	**.01043**	**.02598**	W **35.741**	**.03033**	**.00010**	**-.00695**	W **577.21**	**.00127**	**-.00071**
Stddev	.00018	.00067	.00475	.055	.00058	.00006	.00384	11.65	.00000	.00019
%RSD	31.746	6.4193	18.268	.15476	1.9115	57.580	55.290	2.0185	.14566	26.069
#1	.00044	.00995	.02934	35.702	.03074	.00014	-.00967	585.45	.00128	-.00084
#2	.00070	.01090	.02263	35.780	.02992	.00006	-.00423	568.97	.00127	-.00058
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass
High Limit				10.000				500.00		
Low Limit				-.01000				-.05000		

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00055**	**.00024**	**2.5640**	**61.111**	W **8.0828**	**226.25**	**.56809**	**.02857**	W **6440.8**	**-.00095**
Stddev	.00021	.00036	.0194	.283	.0368	.48	.00193	.00027	27.6	.00035
%RSD	37.893	149.84	.75652	.46384	.45505	.21072	.33931	.93402	.42785	37.040
#1	.00040	-.00001	2.5777	61.312	8.1088	225.91	.56672	.02838	6460.3	-.00070
#2	.00070	.00049	2.5503	60.911	8.0568	226.59	.56945	.02875	6421.3	-.00120
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass
High Limit					2.0000				500.00	
Low Limit					-.01000				11.000	

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.14939**	**.00007**	F **1746.6**	**-.00008**	**.01089**	**3.3858**	**7.2457**	**.00107**	W **12.333**	**-.00047**
Stddev	.00052	.00047	.6	.00269	.01229	.0150	.0320	.00018	.035	.00099
%RSD	.34934	660.35	.03506	3388.2	112.90	.44222	.44222	16.474	.28238	212.08
#1	.14976	-.00026	1746.1	-.00198	.01958	3.3964	7.2684	.00095	12.358	.00023
#2	.14903	.00040	1747.0	.00182	.00220	3.3753	7.2230	.00120	12.309	-.00117
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass
High Limit			200.00						5.0000	
Low Limit			-.20000						-.01000	

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00079**	**-.00022**	**.00611**	**.00033**	**.00977**	**.00017**
Stddev	.00004	.00103	.03664	.00085	.00075	.00242
%RSD	5.3639	465.62	599.44	254.89	7.6234	1439.8
#1	.00076	.00051	-.01980	-.00027	.00925	-.00154
#2	.00082	-.00095	.03202	.00093	.01030	.00188
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**2442.0**	**36881.**	**5097.5**
Stddev	1.0	159.	55.5
%RSD	.04187	.43235	1.0888
#1	2442.7	36994.	5058.2
#2	2441.3	36768.	5136.7

Sample Name: CCVH-1390999 Acquired: 5/1/2012 21:45:00 Type: QC
Method: 6500_025(v2) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2714
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00139**	**48.158**	**.00222**	**.06622**	**.00037**	**.00010**	**1.0160**	**.01990**	**.00008**	**.00034**	**.00034**	**-.00504**	**47.782**
Stddev	.00037	.005	.00044	.00606	.00001	.00003	.0028	.00272	.00023	.00021	.00026	.00049	.084
%RSD	26.760	.01122	19.942	9.1496	3.2917	24.930	.27754	13.688	279.59	62.486	77.393	9.6248	.17584
#1	-.00165	48.154	.00191	.07050	.00036	.00008	1.0180	.02183	.00025	.00019	.00052	-.00470	47.722
#2	-.00113	48.162	.00254	.06193	.00037	.00012	1.0140	.01797	-.00008	.00049	.00015	-.00539	47.841
Check ?	None	Chk Pass	None	None	None	None	Chk Pass	None	None	None	None	None	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.26768**	**.00228**	**-.01592**	**.00012**	**.00053**	**240.41**	**.00098**	**.00055**	**-.00033**	**5.1438**	**-.00060**	**.00106**	**-.00728**
Stddev	.07241	.00094	.00025	.00009	.00018	.10	.00037	.00005	.00098	.0062	.00104	.00300	.01106
%RSD	27.053	41.155	1.5782	71.971	33.480	.04312	37.589	8.2528	293.10	.12006	171.89	283.45	151.85
#1	.31888	.00294	-.01575	.00006	.00040	240.34	.00124	.00052	.00036	5.1394	-.00134	-.00106	.00054
#2	.21647	.00162	-.01610	.00018	.00066	240.48	.00072	.00058	-.00103	5.1481	.00013	.00318	-.01510
Check ?	None	None	None	None	None	Chk Pass	None	None	None	Chk Pass	None	None	None
Value													
Range													

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.01558**	**.00117**	**.00065**	**5.0399**	**.00839**	**.00083**	**10.423**	**-.00474**	**.00105**	**-.04974**
Stddev	.02367	.00112	.00000	.0194	.00017	.00018	.037	.00078	.00067	.00065
%RSD	151.85	96.505	.64712	.38495	1.9727	21.271	.35302	16.518	63.566	1.3083
#1	.00115	.00037	.00066	5.0536	.00851	.00096	10.449	-.00529	.00058	-.05020
#2	-.03232	.00196	.00065	5.0262	.00827	.00071	10.397	-.00419	.00152	-.04928
Check ?	None	None	None	Chk Pass	None	None	Chk Pass	None	None	None
Value										
Range										

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**3243.4**	**49178.**	**5531.8**
Stddev	.4	47.	26.1
%RSD	.01320	.09462	.47116
#1	3243.1	49145.	5513.4
#2	3243.7	49211.	5550.3

Sample Name: CCV-1390955 Acquired: 5/1/2012 21:47:21 Type: QC
Method: 6500_025(v2) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.50797**	**.48766**	**.99941**	**.52654**	**.49549**	**.46344**	**-.00263**	**4.7052**	**.50514**	**.49859**	**.50375**	**.52077**	**2.4227**
Stddev	.00114	.00039	.00064	.00328	.00211	.00293	.00120	.0349	.00013	.00041	.00081	.00095	.0208
%RSD	.22350	.07900	.06367	.62212	.42563	.63293	45.852	.74136	.02663	.08164	.16076	.18156	.85804
#1	.50717	.48793	.99896	.52886	.49698	.46552	-.00348	4.7299	.50505	.49888	.50432	.52010	2.4374
#2	.50877	.48738	.99986	.52423	.49400	.46137	-.00177	4.6805	.50524	.49830	.50318	.52144	2.4080
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**48.268**	**.95898**	**19.372**	**.50083**	**.50168**	**5.1792**	**.49674**	**.95826**	**1.0294**	**.11954**	**.97638**	**1.0124**	**4.6419**
Stddev	.194	.01068	.048	.00090	.00145	.0568	.00005	.00494	.0034	.00095	.00162	.0048	.0778
%RSD	.40116	1.1141	.24893	.18046	.28944	1.0960	.01047	.51559	.33282	.79332	.16595	.47386	1.6758
#1	48.405	.96654	19.337	.50019	.50271	5.2193	.49671	.96176	1.0318	.11887	.97523	1.0158	4.6969
#2	48.131	.95143	19.406	.50147	.50065	5.1390	.49678	.95477	1.0270	.12021	.97753	1.0090	4.5869
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**9.9336**	**1.0030**	**.48793**	**-.00060**	**.49259**	**1.0193**	**.02118**	**.50579**	**.50800**	**.49016**
Stddev	.1665	.0033	.00305	.00026	.00147	.0003	.01191	.00054	.00058	.00513
%RSD	1.6758	.33344	.62466	43.870	.29907	.02465	56.242	.10586	.11414	1.0459
#1	10.051	1.0053	.49009	-.00078	.49155	1.0195	.01276	.50541	.50759	.49379
#2	9.8159	1.0006	.48578	-.00041	.49363	1.0191	.02961	.50617	.50841	.48654
Check ?	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value										
Range										

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**3281.1**	**50089.**	**5539.2**
Stddev	2.1	50.	2.1
%RSD	.06397	.09964	.03827
#1	3279.6	50124.	5540.7
#2	3282.6	50053.	5537.7

Sample Name: CCB Acquired: 5/1/2012 21:49:33 Type: QC
Method: 6500_025(v2) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00001**	**-.00032**	W **-.00471**	F **.03432**	**.00019**	**.00005**	**-.00067**	**.00287**	**.00012**	**-.00005**	**.00013**
Stddev	.00005	.00035	.00376	.00100	.00001	.00006	.00264	.00020	.00000	.00027	.00002
%RSD	727.64	111.32	79.871	2.9083	2.9710	104.46	392.94	6.9588	3.1715	548.20	15.560
#1	.00003	-.00007	-.00737	.03503	.00019	.00001	.00120	.00273	.00012	.00014	.00011
#2	-.00005	-.00057	-.00205	.03362	.00018	.00009	-.00254	.00301	.00012	-.00024	.00014
Check ?	Chk Pass	Chk Pass	Chk Warn	Chk Fail	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit			.00441	.00700							
Low Limit			-.00441	-.00700							

Elem	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00031**	F **.27840**	**.07104**	**.00026**	**.00187**	F **.00227**	**.00081**	F **.44531**	**-.00067**	**-.00202**	**-.00016**
Stddev	.00008	.00407	.01965	.00194	.00104	.00001	.00039	.00697	.00017	.00205	.00171
%RSD	25.243	1.4628	27.664	756.84	55.444	.39378	47.820	1.5646	26.260	101.20	1040.6
#1	.00036	.28128	.08494	.00163	.00261	.00227	.00054	.45024	-.00079	-.00347	-.00138
#2	.00025	.27553	.05715	-.00112	.00114	.00228	.00109	.44038	-.00054	-.00057	.00105
Check ?	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit		.03000				.00050		.18320			
Low Limit		-.03000				-.00050		-.18320			

Elem	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.13413**	**.00235**	**.00007**	**-.01815**	**-.03884**	**.00058**	**.00007**	**-.00011**	**.00012**	**-.00001**	**.02692**
Stddev	.00276	.00129	.00023	.00352	.00754	.00017	.00001	.00136	.00030	.00035	.01814
%RSD	2.0559	55.066	312.42	19.401	19.401	29.591	15.611	1214.8	246.17	2410.7	67.408
#1	.13218	.00143	-.00009	-.01566	-.03352	.00070	.00008	-.00107	.00033	.00023	.01409
#2	.13608	.00326	.00023	-.02064	-.04417	.00046	.00007	.00085	-.00009	-.00026	.03975
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit											
Low Limit											

Elem	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm
Avg	**-.00053**	**.00340**	**-.00004**
Stddev	.00011	.00044	.00269
%RSD	21.098	12.973	6432.2
#1	-.00045	.00371	.00186
#2	-.00061	.00308	-.00194
Check ?	Chk Pass	Chk Pass	Chk Pass
High Limit			
Low Limit			

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**3308.0**	**51248.**	**5452.0**
Stddev	8.1	160.	23.9
%RSD	.24562	.31130	.43871
#1	3302.3	51135.	5435.1
#2	3313.7	51360.	5468.9

Sample Name: CCVL1390952 Acquired: 5/1/2012 21:51:58 Type: QC
Method: 6500_025(v2) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01081**	**.10122**	**.01347**	**.12592**	**.01035**	**.00102**	**.11622**	**.18755**	**.00521**	**.01021**	**.01023**	**.01509**	**.09730**
Stddev	.00015	.00094	.00176	.00052	.00004	.00003	.00215	.00110	.00025	.00036	.00038	.00036	.00249
%RSD	1.4121	.92629	13.061	.41501	.42200	2.7666	1.8514	.58776	4.7812	3.4851	3.6664	2.3835	2.5612
#1	.01071	.10188	.01472	.12629	.01038	.00100	.11774	.18832	.00503	.00996	.00997	.01484	.09554
#2	.01092	.10056	.01223	.12555	.01032	.00104	.11470	.18677	.00539	.01046	.01050	.01535	.09906
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**3.0945**	**.00879**	**.20350**	**.01048**	**.01997**	F **1.3448**	**.04003**	**2.7896**	**.01000**	**.09871**	F **.00619**	**.01550**	**.44919**
Stddev	.0197	.00230	.00277	.00007	.00021	.0255	.00015	.0007	.00082	.00149	.00142	.00171	.00414
%RSD	.63788	26.170	1.3599	.67222	1.0480	1.8924	.38097	.02669	8.1752	1.5119	22.892	11.043	.92107
#1	3.0805	.00717	.20546	.01043	.01982	1.3628	.03992	2.7891	.01058	.09765	.00519	.01671	.44627
#2	3.1084	.01042	.20155	.01053	.02011	1.3268	.04014	2.7901	.00942	.09976	.00719	.01429	.45212
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	None	Chk Fail	Chk Pass	Chk Pass
Value						1.0000					.01000		
Range						30.000%					-30.000%		

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.96127**	**.10297**	**.01001**	**.01582**	**.00988**	**.01684**	F **.08063**	**.00936**	**.02261**	**.01465**
Stddev	.00885	.00131	.00007	.00112	.00033	.00053	.00229	.00031	.00030	.00266
%RSD	.92107	1.2702	.67824	7.0594	3.3477	3.1640	2.8403	3.3347	1.3279	18.165
#1	.95501	.10390	.01006	.01503	.00965	.01721	.07901	.00914	.02240	.01653
#2	.96753	.10205	.00996	.01661	.01012	.01646	.08225	.00958	.02282	.01277
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
Value							.06000			
Range							30.000%			

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**3401.1**	**51761.**	**5531.3**
Stddev	4.4	34.	11.8
%RSD	.12964	.06619	.21378
#1	3404.2	51737.	5539.7
#2	3398.0	51785.	5523.0

Sample Name: MB 280-117070/1-A Acquired: 5/1/2012 21:54:21 Type: Unk
Method: 6500_025(v2) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 117070 6010C

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00024**	**.02802**	**-.00436**	F **.04716**	**.00041**	**.00006**	**-.00808**	**.05158**	**.00029**	**-.00006**
Stddev	.00015	.00011	.00369	.00025	.00008	.00003	.00044	.00130	.00018	.00036
%RSD	63.801	.38518	84.658	.53741	19.500	51.858	5.4333	2.5167	60.105	636.89
#1	.00013	.02810	-.00697	.04698	.00047	.00004	-.00839	.05067	.00042	-.00031
#2	.00034	.02795	-.00175	.04734	.00036	.00008	-.00777	.05250	.00017	.00020
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				.01000						
Low Limit				-.01000						

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00020**	**-.00055**	**.02513**	**.12034**	**.00002**	**.01478**	**.00082**	**-.00005**	**.45652**	**-.00032**
Stddev	.00028	.00009	.00109	.01618	.00004	.00198	.00005	.00019	.00249	.00017
%RSD	138.38	16.578	4.3467	13.444	263.11	13.383	5.7790	419.15	.54442	54.756
#1	.00040	-.00048	.02436	.13178	.00005	.01617	.00079	.00009	.45828	-.00019
#2	.00000	-.00061	.02590	.10890	-.00001	.01338	.00086	-.00018	.45476	-.00044
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00448**	**.00021**	F **.13692**	**-.00087**	**-.00019**	F **.09300**	**.19902**	**.00932**	**.00028**	**.00122**
Stddev	.00143	.00025	.00164	.00131	.00114	.00843	.01804	.00016	.00001	.00041
%RSD	31.861	118.88	1.1984	151.87	589.48	9.0648	9.0648	1.7387	2.4686	33.128
#1	.00347	.00038	.13808	-.00179	-.00100	.08704	.18627	.00944	.00029	.00094
#2	.00549	.00003	.13576	.00006	.00061	.09896	.21178	.00921	.00028	.00151
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Fail	None	Chk Pass	Chk Pass	Chk Pass
High Limit			.01000			.01000				
Low Limit			-.01000			-.01000				

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00036**	**-.00052**	**.02861**	**-.00022**	**.00260**	**-.00224**
Stddev	.00019	.00027	.01077	.00067	.00047	.00018
%RSD	53.761	52.394	37.648	307.76	18.223	8.0319
#1	.00022	-.00033	.02100	.00025	.00293	-.00211
#2	.00049	-.00071	.03623	-.00069	.00226	-.00236
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**3339.3**	**51443.**	**5530.7**
Stddev	4.9	27.	42.8
%RSD	.14602	.05184	.77310
#1	3342.8	51462.	5500.4
#2	3335.9	51424.	5560.9

Sample Name: LCS 280-117070/2-A Acquired: 5/1/2012 21:56:45 Type: Unk
Method: 6500_025(v2) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 117070 6010C

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.04956**	**1.8554**	**.99526**	**1.0430**	**1.9523**	**.04610**	**2.0448**	**45.437**	**.09712**	**.48055**
Stddev	.00034	.0031	.00700	.0029	.0016	.00002	.0003	.061	.00039	.00098
%RSD	.68025	.16843	.70325	.27872	.08211	.03915	.01250	.13487	.39973	.20443
#1	.04932	1.8532	1.0002	1.0409	1.9512	.04611	2.0447	45.393	.09684	.48125
#2	.04979	1.8576	.99031	1.0450	1.9535	.04609	2.0450	45.480	.09739	.47986
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.19790**	**.25561**	**.96264**	**48.094**	**.94889**	**47.153**	**.49886**	**.99922**	**49.914**	**.47772**
Stddev	.00019	.00053	.00121	.004	.00179	.070	.00076	.00202	.271	.00068
%RSD	.09421	.20738	.12584	.00839	.18870	.14804	.15330	.20237	.54365	.14207
#1	.19777	.25523	.96349	48.091	.94762	47.202	.49940	.99779	49.722	.47820
#2	.19803	.25598	.96178	48.097	.95015	47.103	.49832	1.0007	50.106	.47724
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**9.4565**	**.48530**	**.15939**	**.46303**	**1.9563**	**5.5161**	**11.804**	**1.9546**	**.97769**	**1.0140**
Stddev	.0032	.00130	.00295	.00279	.0069	.0804	.172	.0024	.00192	.0051
%RSD	.03411	.26749	1.8527	.60313	.35216	1.4576	1.4576	.12195	.19645	.50583
#1	9.4588	.48439	.16147	.46105	1.9514	5.4592	11.683	1.9530	.97633	1.0176
#2	9.4543	.48622	.15730	.46500	1.9611	5.5729	11.926	1.9563	.97905	1.0104
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.97919**	**1.9247**	**2.1876**	**.50323**	**.49565**	**.47992**
Stddev	.00117	.0012	.0038	.00028	.00080	.00193
%RSD	.11909	.06341	.17205	.05487	.16156	.40127
#1	.98001	1.9238	2.1849	.50303	.49622	.47856
#2	.97836	1.9255	2.1902	.50342	.49508	.48128
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**3148.0**	**48188.**	**5366.9**
Stddev	1.3	38.	3.9
%RSD	.04042	.07953	.07202
#1	3148.9	48215.	5364.2
#2	3147.1	48161.	5369.7

Sample Name: 280-28056-A-1-H Acquired: 5/1/2012 21:58:54 Type: Unk
Method: 6500_025(v2) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 117070 6010C

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00110**	**219.68**	**.03213**	**.12457**	**2.6888**	**.01350**	**-.00660**	**110.08**	**.00156**	**.09016**
Stddev	.00001	.38	.00126	.00015	.0043	.00010	.00068	.11	.00004	.00024
%RSD	1.2667	.17449	3.9056	.12397	.16070	.74630	10.383	.09660	2.6376	.27165
#1	-.00109	219.41	.03125	.12447	2.6857	.01343	-.00708	110.00	.00153	.08999
#2	-.00111	219.95	.03302	.12468	2.6918	.01358	-.00611	110.15	.00158	.09033
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	271.441 {124}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.23579**	**.10695**	**237.07**	**55.194**	**.12695**	**58.408**	**7.0744**	**.00176**	**.92560**	**.19864**
Stddev	.00022	.00001	.63	.178	.00018	.269	.0594	.00014	.01416	.00021
%RSD	.09327	.01051	.26629	.32252	.14178	.46010	.83965	7.9800	1.5297	.10507
#1	.23563	.10696	236.62	55.068	.12708	58.598	7.0324	.00166	.93561	.19849
#2	.23594	.10695	237.52	55.320	.12682	58.218	7.1164	.00186	.91559	.19879
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **4.6837**	**.17239**	**3.1714**	**.00374**	**.01675**	**4.3940**	**9.4031**	**.01825**	**.34862**	**.09102**
Stddev	.0005	.00082	.0145	.00275	.00725	.0015	.0032	.00067	.00089	.00068
%RSD	.01051	.47811	.45754	73.331	43.259	.03373	.03373	3.6544	.25570	.74354
#1	4.6841	.17181	3.1611	.00569	.01163	4.3929	9.4008	.01778	.34799	.09054
#2	4.6834	.17297	3.1817	.00180	.02188	4.3950	9.4053	.01872	.34925	.09150
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	2.0000									
Low Limit	-1.0000									

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.1886**	**-.00164**	F **-.28062**	**.32227**	**.42227**	**.06342**
Stddev	.0066	.00282	.01871	.00235	.00284	.00151
%RSD	.55809	171.75	6.6685	.72899	.67206	2.3738
#1	1.1933	-.00364	-.29385	.32394	.42427	.06448
#2	1.1839	.00035	-.26738	.32061	.42026	.06236
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit			50.000			
Low Limit			-.10000			

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**3637.5**	**54299.**	**6447.4**
Stddev	8.7	183.	25.9
%RSD	.23870	.33645	.40213
#1	3643.6	54170.	6465.7
#2	3631.4	54428.	6429.0

Sample Name: sd 280-28056-A-1-H@5 Acquired: 5/1/2012 22:01:16 Type: Unk
Method: 6500_025(v2) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 117070 6010C

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00008**	**49.158**	**.00480**	**.04504**	**.59904**	**.00301**	**-.00009**	**24.659**	**.00055**	**.02120**
Stddev	.00031	.109	.00438	.00040	.00106	.00001	.00017	.016	.00001	.00022
%RSD	388.88	.22267	91.096	.89525	.17693	.47457	193.67	.06647	1.8384	1.0232
#1	-.00014	49.235	.00171	.04476	.59979	.00300	-.00021	24.671	.00054	.02104
#2	.00030	49.080	.00790	.04533	.59829	.00302	.00003	24.648	.00056	.02135
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	271.441 {124}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.05318**	**.02299**	**54.020**	**12.330**	**.02775**	**13.530**	**1.6526**	**.00009**	**.32280**	**.04643**
Stddev	.00019	.00037	.371	.009	.00177	.033	.0020	.00022	.00167	.00006
%RSD	.36356	1.5921	.68716	.06935	6.3958	.24142	.11872	234.79	.51615	.12050
#1	.05331	.02325	54.282	12.324	.02649	13.507	1.6512	-.00006	.32162	.04647
#2	.05304	.02273	53.757	12.336	.02900	13.553	1.6540	.00025	.32398	.04639
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.0495**	**.04226**	**.78600**	**-.00173**	**.00307**	**.95412**	**2.0418**	**.00425**	**.07795**	**.02154**
Stddev	.0040	.00114	.00057	.00174	.00214	.00702	.0150	.00012	.00022	.00099
%RSD	.38532	2.6997	.07249	100.52	69.605	.73596	.73596	2.7706	.28732	4.6026
#1	1.0523	.04306	.78560	-.00050	.00459	.95909	2.0524	.00417	.07811	.02224
#2	1.0466	.04145	.78641	-.00296	.00156	.94915	2.0312	.00433	.07780	.02084
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.26710**	**.00078**	W **-.07147**	**.07173**	**.09993**	**.01288**
Stddev	.00035	.00021	.00473	.00014	.00056	.00114
%RSD	.13230	26.677	6.6160	.18836	.56455	8.8217
#1	.26685	.00064	-.06813	.07164	.09953	.01369
#2	.26735	.00093	-.07481	.07183	.10033	.01208
Check ?	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass
High Limit			45.000			
Low Limit			-.05000			

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**3427.1**	**51217.**	**5769.9**
Stddev	3.7	225.	42.8
%RSD	.10670	.43886	.74166
#1	3429.7	51376.	5739.7
#2	3424.5	51058.	5800.2

Sample Name: 280-28056-A-1-I MS Acquired: 5/1/2012 22:03:38 Type: Unk
Method: 6500_025(v2) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 117070 6010C

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.04486**	**382.33**	**.87311**	**.95173**	**4.4148**	**.05497**	F **1.7105**	**145.32**	**.08502**	**.48662**
Stddev	.00032	.67	.00397	.00308	.0094	.00003	.0081	.41	.00001	.00030
%RSD	.70712	.17565	.45461	.32378	.21272	.05126	.47613	.28321	.00718	.06245
#1	.04509	382.80	.87031	.94955	4.4214	.05499	1.7047	145.61	.08501	.48640
#2	.04464	381.85	.87592	.95391	4.4081	.05495	1.7162	145.03	.08502	.48683
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit							.10000			
Low Limit							-.10000			

Elem	Cr2055	Cu3247	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	271.441 {124}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.50808**	**.34548**	**266.79**	W **140.94**	**.96045**	**117.92**	**7.4917**	**.77967**	**43.830**	**.60754**
Stddev	.00112	.00034	.45	.10	.00153	.41	.0050	.00236	.047	.00077
%RSD	.22061	.09772	.16773	.07306	.15978	.35115	.06625	.30260	.10815	.12711
#1	.50728	.34572	267.11	141.01	.96154	117.63	7.4952	.78133	43.864	.60699
#2	.50887	.34524	266.47	140.86	.95936	118.22	7.4882	.77800	43.796	.60809
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				100.00						
Low Limit				-.50000						

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **12.189**	**.55521**	**3.1643**	**.18516**	**1.6293**	**5.1404**	**11.000**	**1.4948**	**1.1883**	**.96330**
Stddev	.030	.00423	.0194	.00183	.0053	.0605	.130	.0027	.0023	.00358
%RSD	.24500	.76264	.61273	.98584	.32535	1.1776	1.1776	.17775	.19335	.37173
#1	12.167	.55221	3.1506	.18645	1.6256	5.1832	11.092	1.4929	1.1899	.96076
#2	12.210	.55820	3.1780	.18387	1.6331	5.0976	10.909	1.4967	1.1867	.96583
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	2.0000									
Low Limit	-1.0000									

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**4.2269**	**1.4552**	**1.5643**	**.87564**	**.91576**	**.43318**
Stddev	.0131	.0103	.0335	.00246	.00188	.00121
%RSD	.30968	.71036	2.1385	.28049	.20487	.28018
#1	4.2176	1.4479	1.5406	.87391	.91443	.43404
#2	4.2362	1.4625	1.5879	.87738	.91708	.43232
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**3512.1**	**51587.**	**6412.9**
Stddev	5.4	65.	3.2
%RSD	.15398	.12611	.05007
#1	3508.3	51633.	6415.1
#2	3516.0	51541.	6410.6

Sample Name: 280-28056-A-1-J MSD Acquired: 5/1/2012 22:05:52 Type: Unk
Method: 6500_025(v2) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 117070 6010C

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.04428**	**378.75**	**.86934**	**.94745**	**4.3660**	**.05468**	F **1.7048**	**141.22**	**.08421**	**.48223**
Stddev	.00001	.19	.00373	.00173	.0052	.00008	.0022	.25	.00007	.00018
%RSD	.01382	.05092	.42903	.18228	.11896	.13766	.13225	.17434	.07944	.03736
#1	.04428	378.89	.87198	.94623	4.3697	.05473	1.7032	141.39	.08425	.48210
#2	.04428	378.61	.86671	.94868	4.3623	.05463	1.7064	141.04	.08416	.48236
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit							.10000			
Low Limit							-.10000			

Elem	Cr2055	Cu3247	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	271.441 {124}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.49235**	**.34287**	**267.11**	W **139.40**	**.95713**	**116.64**	**7.4114**	**.77281**	**43.693**	**.59800**
Stddev	.00062	.00267	.53	.09	.00050	.23	.0330	.00130	.433	.00084
%RSD	.12502	.77771	.20001	.06198	.05259	.19533	.44543	.16850	.99113	.13977
#1	.49278	.34099	267.49	139.46	.95748	116.80	7.4348	.77189	43.387	.59741
#2	.49191	.34476	266.73	139.34	.95677	116.48	7.3881	.77373	44.000	.59859
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				100.00						
Low Limit				-.50000						

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **12.165**	**.55125**	**3.1310**	**.17529**	**1.6182**	**5.4349**	**11.631**	**1.4807**	**1.1742**	**.95777**
Stddev	.028	.00120	.0027	.00662	.0013	.0366	.078	.0021	.0012	.00065
%RSD	.22916	.21704	.08756	3.7792	.07825	.67381	.67381	.14464	.09909	.06735
#1	12.146	.55041	3.1290	.17061	1.6191	5.4608	11.686	1.4792	1.1750	.95731
#2	12.185	.55210	3.1329	.17998	1.6173	5.4090	11.575	1.4822	1.1734	.95823
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	2.0000									
Low Limit	-1.0000									

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**4.1166**	**1.4434**	**1.5771**	**.86904**	**.90841**	**.42938**
Stddev	.0048	.0014	.0497	.00050	.00494	.00463
%RSD	.11753	.09627	3.1525	.05789	.54396	1.0777
#1	4.1132	1.4444	1.5420	.86868	.91190	.43265
#2	4.1200	1.4424	1.6123	.86939	.90491	.42611
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**3554.5**	**52102.**	**6421.7**
Stddev	1.1	358.	22.9
%RSD	.02984	.68804	.35592
#1	3555.3	51848.	6405.5
#2	3553.8	52355.	6437.8

Sample Name: pds 280-28056-A-1-H Acquired: 5/1/2012 22:08:07 Type: Unk
Method: 6500_025(v2) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 117070 6010C

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.04484**	**214.89**	**.22265**	**.19812**	**2.7112**	**.05518**	**-.00310**	**123.82**	**.04779**	**.13113**
Stddev	.00004	.51	.00294	.00136	.0011	.00026	.00021	.67	.00041	.00010
%RSD	.09039	.23618	1.3206	.68897	.04013	.46938	6.7730	.53901	.84890	.07933
#1	.04486	214.53	.22473	.19908	2.7104	.05500	-.00295	123.35	.04750	.13121
#2	.04481	215.25	.22057	.19715	2.7120	.05536	-.00325	124.30	.04808	.13106
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	271.441 {124}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.27530**	**.15581**	**231.17**	**71.372**	**.21298**	**74.625**	**6.9226**	**.04427**	**20.002**	**.23639**
Stddev	.00006	.00013	1.07	.068	.00168	.260	.0492	.00003	.027	.00020
%RSD	.02241	.08457	.46346	.09498	.78711	.34796	.71081	.06067	.13344	.08406
#1	.27525	.15571	230.41	71.324	.21416	74.809	6.9574	.04425	20.020	.23625
#2	.27534	.15590	231.92	71.420	.21179	74.441	6.8878	.04429	19.983	.23653
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **6.3143**	**.25413**	**3.0797**	**.08752**	**.19124**	**8.3126**	**17.789**	**.09925**	**.38524**	**.28282**
Stddev	.0016	.00118	.0121	.00176	.00206	.0218	.047	.00013	.00002	.00371
%RSD	.02603	.46571	.39163	2.0071	1.0753	.26232	.26232	.12676	.00566	1.3117
#1	6.3154	.25497	3.0882	.08877	.18979	8.3280	17.822	.09934	.38523	.28545
#2	6.3131	.25330	3.0712	.08628	.19270	8.2972	17.756	.09916	.38526	.28020
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	2.0000									
Low Limit	-1.0000									

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.2120**	**.16196**	**.22526**	**.36223**	**.59239**	**.10586**
Stddev	.0010	.00166	.00646	.00074	.00631	.00040
%RSD	.08174	1.0259	2.8667	.20455	1.0654	.38121
#1	1.2127	.16313	.22982	.36276	.59685	.10614
#2	1.2113	.16078	.22069	.36171	.58792	.10557
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**3641.6**	**54534.**	**6502.6**
Stddev	1.9	207.	24.9
%RSD	.05098	.37921	.38322
#1	3640.3	54387.	6520.3
#2	3643.0	54680.	6485.0

Sample Name: 280-28056-A-2-F Acquired: 5/1/2012 22:10:27 Type: Unk
Method: 6500_025(v2) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 117070 6010C

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00100**	**280.02**	**.02940**	**.11230**	**5.0098**	**.01608**	**-.00247**	**211.61**	**.00085**	**.11701**
Stddev	.00015	.54	.00202	.00104	.0119	.00004	.00067	1.14	.00009	.00040
%RSD	15.204	.19456	6.8862	.92234	.23819	.24026	27.068	.53883	11.048	.34282
#1	-.00111	280.40	.02797	.11157	5.0182	.01611	-.00200	210.80	.00092	.11729
#2	-.00090	279.63	.03083	.11303	5.0013	.01605	-.00295	212.42	.00078	.11673
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	271.441 {124}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.30824**	**.07343**	**275.39**	**55.402**	**.19207**	**84.624**	**8.4270**	**-.00145**	**1.0211**	**.25937**
Stddev	.00025	.00018	.21	.076	.00165	.012	.1517	.00008	.0079	.00048
%RSD	.08033	.24178	.07679	.13713	.85706	.01394	1.7997	5.4903	.77723	.18410
#1	.30841	.07356	275.54	55.456	.19324	84.632	8.5342	-.00151	1.0267	.25970
#2	.30806	.07330	275.24	55.348	.19091	84.615	8.3197	-.00140	1.0155	.25903
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **6.2521**	**.19471**	**2.3692**	**.00211**	**.00951**	**4.0499**	**8.6667**	**.01759**	**.69888**	**.12253**
Stddev	.0027	.00202	.0008	.00266	.00023	.0249	.0532	.00069	.00096	.00075
%RSD	.04338	1.0393	.03491	126.11	2.3814	.61421	.61421	3.9266	.13756	.61309
#1	6.2502	.19614	2.3698	.00023	.00935	4.0323	8.6291	.01808	.69956	.12306
#2	6.2540	.19328	2.3686	.00400	.00967	4.0675	8.7044	.01710	.69820	.12200
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	2.0000									
Low Limit	-1.0000									

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.81652**	**.00065**	F **-.31345**	**.31695**	**.43728**	**.06434**
Stddev	.00012	.00305	.01554	.00132	.00204	.00092
%RSD	.01511	465.86	4.9585	.41750	.46555	1.4272
#1	.81661	.00281	-.30246	.31789	.43872	.06369
#2	.81644	-.00150	-.32444	.31601	.43584	.06499
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit			50.000			
Low Limit			-.10000			

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**3746.4**	**55048.**	**6762.2**
Stddev	11.8	233.	10.3
%RSD	.31594	.42324	.15233
#1	3738.0	54883.	6754.9
#2	3754.7	55213.	6769.4

Sample Name: 280-28056-A-3-F Acquired: 5/1/2012 22:12:54 Type: Unk
Method: 6500_025(v2) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 117070 6010C

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00031**	**145.16**	**.03966**	**.06282**	**1.7339**	**.00897**	**-.00365**	**57.911**	**.00121**	**.05108**
Stddev	.00009	.33	.00219	.00096	.0022	.00005	.00056	.095	.00004	.00017
%RSD	30.468	.23011	5.5094	1.5209	.12660	.53475	15.388	.16473	3.0420	.32618
#1	.00037	144.92	.03811	.06349	1.7324	.00900	-.00325	57.843	.00124	.05120
#2	.00024	145.40	.04120	.06214	1.7355	.00893	-.00405	57.978	.00118	.05096
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	271.441 {124}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.11835**	**.11195**	**128.52**	**21.421**	**.08791**	**24.224**	**3.4477**	**.00237**	**.48178**	**.08230**
Stddev	.00018	.00031	.05	.088	.00175	.019	.0077	.00003	.01830	.00009
%RSD	.15344	.27594	.03916	.41047	1.9928	.07849	.22276	1.1991	3.7984	.10417
#1	.11822	.11174	128.55	21.359	.08667	24.211	3.4423	.00239	.49471	.08224
#2	.11848	.11217	128.48	21.483	.08915	24.238	3.4531	.00235	.46884	.08236
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **2.4367**	**.13645**	**2.4174**	**.00053**	**.00357**	**4.1700**	**8.9237**	**.01241**	**1.2722**	**.05639**
Stddev	.0005	.00103	.0032	.00466	.00049	.0323	.0690	.00101	.0022	.00244
%RSD	.01926	.75237	.13187	875.69	13.614	.77331	.77331	8.1658	.17227	4.3253
#1	2.4370	.13572	2.4196	-.00276	.00392	4.1928	8.9725	.01169	1.2706	.05467
#2	2.4363	.13717	2.4151	.00383	.00323	4.1472	8.8749	.01312	1.2737	.05812
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	2.0000									
Low Limit	-1.0000									

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.54545**	**-.00076**	F **-.16050**	**.24194**	**.26620**	**.04780**
Stddev	.00218	.00092	.03814	.00018	.00057	.00072
%RSD	.40041	120.22	23.764	.07454	.21323	1.5153
#1	.54391	-.00011	-.13353	.24206	.26580	.04729
#2	.54700	-.00141	-.18747	.24181	.26660	.04832
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit			50.000			
Low Limit			-.10000			

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**3500.9**	**52802.**	**6063.5**
Stddev	4.7	157.	27.4
%RSD	.13305	.29821	.45156
#1	3497.6	52690.	6082.9
#2	3504.2	52913.	6044.1

Sample Name: 280-28056-A-4-F Acquired: 5/1/2012 22:15:13 Type: Unk
Method: 6500_025(v2) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 117070 6010C

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00036**	**167.94**	**.04463**	**.05777**	**2.6780**	**.01011**	**-.00240**	**124.32**	**.00102**	**.06128**
Stddev	.00031	.34	.00296	.00036	.0047	.00000	.00027	.33	.00008	.00019
%RSD	84.793	.20346	6.6324	.61802	.17416	.03109	11.419	.26507	7.8823	.31710
#1	-.00058	167.70	.04673	.05751	2.6747	.01010	-.00259	124.09	.00096	.06114
#2	-.00015	168.18	.04254	.05802	2.6813	.01011	-.00221	124.55	.00107	.06142
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	271.441 {124}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.14140**	**.13631**	**142.12**	**26.134**	**.08866**	**31.240**	**8.3818**	**.00111**	**.55164**	**.11702**
Stddev	.00071	.00085	.51	.040	.00044	.106	.0159	.00033	.00020	.00099
%RSD	.50535	.62002	.35744	.15450	.49247	.34013	.19009	29.857	.03597	.84930
#1	.14191	.13691	141.77	26.106	.08897	31.315	8.3705	.00134	.55178	.11772
#2	.14090	.13572	142.48	26.163	.08835	31.165	8.3930	.00087	.55150	.11632
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **2.1277**	**.11839**	**1.6036**	**.00014**	**.00271**	**4.3717**	**9.3554**	**.01306**	**.59618**	**.07563**
Stddev	.0081	.00234	.0055	.00055	.00140	.0246	.0527	.00146	.00139	.00237
%RSD	.38086	1.9774	.34345	396.95	51.824	.56332	.56332	11.151	.23336	3.1370
#1	2.1334	.12004	1.6075	.00053	.00172	4.3543	9.3181	.01409	.59519	.07731
#2	2.1219	.11673	1.5997	-.00025	.00370	4.3891	9.3927	.01203	.59716	.07395
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	2.0000									
Low Limit	-1.0000									

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.44437**	**-.00228**	F **-.24468**	**.25838**	**.25781**	**.05474**
Stddev	.00262	.00040	.02012	.00012	.00101	.00201
%RSD	.58877	17.386	8.2218	.04726	.39318	3.6630
#1	.44622	-.00256	-.23046	.25829	.25853	.05616
#2	.44252	-.00200	-.25891	.25847	.25710	.05332
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit			50.000			
Low Limit			-.10000			

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**3588.0**	**53089.**	**6336.9**
Stddev	13.9	106.	19.3
%RSD	.38612	.19899	.30410
#1	3578.2	53014.	6350.6
#2	3597.8	53164.	6323.3

Sample Name: CCVH-1390999 Acquired: 5/1/2012 22:17:36 Type: QC
Method: 6500_025(v2) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00129**	**48.515**	**.00079**	**.01657**	**.00102**	**.00011**	**1.0204**	**.01631**	**.00003**	**.00029**	**.00029**	**-.00521**
Stddev	.00006	.004	.00634	.00026	.00005	.00004	.0065	.00325	.00004	.00002	.00017	.00017
%RSD	4.7257	.00778	805.10	1.5634	5.2524	36.620	.63229	19.945	148.82	8.0471	58.287	3.3485
#1	-.00125	48.512	-.00370	.01638	.00105	.00008	1.0159	.01401	.00006	.00027	.00017	-.00533
#2	-.00133	48.517	.00527	.01675	.00098	.00014	1.0250	.01861	.00000	.00030	.00041	-.00509
Check ?	None	Chk Pass	None	None	None	None	Chk Pass	None	None	None	None	None
Value												
Range												

Elem	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316	P_1782	Pb2203	S_1820	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**48.376**	**.09986**	**.00239**	**-.02264**	**.00073**	**.00017**	**244.44**	**.00140**	**.00290**	**-.00064**	**5.0951**	**-.00038**
Stddev	.065	.03902	.00080	.00019	.00011	.00011	.13	.00005	.00069	.00097	.0119	.00184
%RSD	.13338	39.078	33.544	.84071	15.742	62.374	.05343	3.7355	23.899	153.02	.23382	477.09
#1	48.330	.07226	.00295	-.02251	.00081	.00025	244.53	.00136	.00339	-.00133	5.0866	.00091
#2	48.422	.12745	.00182	-.02278	.00065	.00010	244.35	.00143	.00241	.00005	5.1035	-.00168
Check ?	Chk Pass	None	None	None	None	None	Chk Pass	None	None	None	Chk Pass	None
Value												
Range												

Elem	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00450**	**-.00175**	**-.00374**	**.00327**	**.00044**	**5.1415**	**.00788**	**.00068**	W **10.588**	**-.00439**	**.00235**	**-.05250**
Stddev	.00209	.00507	.01085	.00065	.00004	.0334	.00007	.00058	.042	.00006	.00038	.00696
%RSD	46.452	290.21	290.21	19.825	8.6076	.64920	.92301	84.799	.39486	1.4406	15.952	13.256
#1	.00302	-.00533	-.01141	.00281	.00046	5.1651	.00783	.00109	10.617	-.00443	.00209	-.05742
#2	.00597	.00184	.00393	.00372	.00041	5.1179	.00793	.00027	10.558	-.00434	.00262	-.04758
Check ?	None	None	None	None	None	Chk Pass	None	None	Chk Warn	None	None	None
Value									10.000			
Range									5.0000%			

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**3243.0**	**48731.**	**5439.6**
Stddev	9.0	194.	4.1
%RSD	.27655	.39778	.07554
#1	3249.3	48594.	5436.7
#2	3236.6	48869.	5442.5

Sample Name: CCV-1390955 Acquired: 5/1/2012 22:19:56 Type: QC
Method: 6500_025(v2) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.50858**	**.49511**	**1.0045**	**.50011**	**.49645**	**.46367**	**-.00317**	**4.7118**	**.50528**	**.50041**	**.50452**	**.52015**	**2.4249**
Stddev	.00239	.00058	.0019	.00163	.00022	.00089	.00270	.0044	.00005	.00010	.00015	.00307	.0002
%RSD	.47009	.11775	.19139	.32576	.04527	.19216	84.899	.09263	.00968	.01931	.03043	.59042	.00932
#1	.50689	.49552	1.0031	.49896	.49660	.46304	-.00127	4.7087	.50525	.50034	.50441	.51798	2.4251
#2	.51027	.49470	1.0058	.50127	.49629	.46430	-.00508	4.7149	.50532	.50048	.50462	.52233	2.4248
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**48.729**	**.96003**	**19.641**	**.50399**	**.50280**	**4.8187**	**.49890**	**.95488**	**1.0335**	**.05499**	**.97752**	**1.0124**	**4.6389**
Stddev	.053	.00691	.072	.00173	.00097	.0118	.00049	.00040	.0024	.00503	.00033	.0008	.0063
%RSD	.10852	.72011	.36862	.34255	.19225	.24387	.09882	.04172	.23007	9.1392	.03343	.07781	.13693
#1	48.767	.95514	19.589	.50276	.50348	4.8104	.49855	.95459	1.0352	.05855	.97776	1.0129	4.6434
#2	48.692	.96491	19.692	.50521	.50211	4.8271	.49925	.95516	1.0318	.05144	.97729	1.0118	4.6344
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**9.9272**	**.99974**	**.48983**	**.00054**	**.49186**	**1.0284**	**.00547**	**.50324**	**.51101**	**.49423**
Stddev	.0136	.00100	.00042	.00061	.00200	.0027	.00274	.00260	.00075	.00280
%RSD	.13693	.09964	.08613	112.93	.40649	.26706	50.090	.51641	.14759	.56594
#1	9.9368	1.0004	.49013	.00098	.49045	1.0264	.00740	.50140	.51047	.49621
#2	9.9176	.99903	.48953	.00011	.49327	1.0303	.00353	.50507	.51154	.49225
Check ?	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value										
Range										

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**3291.3**	**50261.**	**5455.9**
Stddev	3.6	137.	6.1
%RSD	.10912	.27262	.11124
#1	3288.8	50358.	5460.2
#2	3293.9	50164.	5451.6

Sample Name: CCB Acquired: 5/1/2012 22:22:09 Type: QC
Method: 6500_025(v2) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00030**	**.00001**	**-.00223**	F **.01341**	**.00010**	**.00009**	**-.00264**	**.01210**	**.00002**	**.00007**	**.00004**	**-.00081**
Stddev	.00010	.00002	.00339	.00013	.00008	.00000	.00346	.00077	.00011	.00009	.00004	.00018
%RSD	33.949	309.82	151.91	.99985	81.581	.02908	131.19	6.3730	524.92	122.92	97.024	22.023
#1	.00023	.00002	.00017	.01331	.00016	.00009	-.00019	.01265	-.00006	.00013	.00008	-.00069
#2	.00037	-.00001	-.00464	.01350	.00004	.00009	-.00509	.01156	.00010	.00001	.00001	-.00094
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				.00700								
Low Limit				-.00700								

Elem	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00038**	**.08899**	**.00211**	**.00155**	**.00005**	**.00073**	W **.12663**	**-.00040**	**-.00278**	**-.00119**	**.05576**	**.00041**
Stddev	.00026	.05386	.00046	.00204	.00004	.00043	.00301	.00028	.00034	.00078	.00048	.00271
%RSD	66.351	60.519	21.605	130.99	72.457	58.231	2.3746	70.966	12.369	65.016	.86806	666.11
#1	-.00020	.12707	.00244	.00011	.00003	.00043	.12450	-.00060	-.00303	-.00174	.05610	-.00151
#2	-.00057	.05091	.00179	.00299	.00008	.00103	.12876	-.00020	-.00254	-.00064	.05541	.00233
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							.09160					
Low Limit							-.09160					

Elem	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00214**	**-.02352**	**-.05034**	**.00099**	**.00014**	**.00158**	**.00010**	**.00156**	**.02310**	**-.00074**	**.00442**	**.00013**
Stddev	.00136	.00127	.00271	.00039	.00002	.00022	.00030	.00112	.02112	.00069	.00020	.00124
%RSD	63.447	5.3918	5.3918	39.335	13.572	13.844	303.15	71.924	91.400	93.411	4.4814	960.37
#1	-.00311	-.02263	-.04842	.00071	.00013	.00174	-.00011	.00236	.03803	-.00025	.00456	-.00075
#2	-.00118	-.02442	-.05226	.00126	.00015	.00143	.00031	.00077	.00817	-.00123	.00428	.00101
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit												
Low Limit												

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**3313.2**	**50784.**	**5395.0**
Stddev	4.6	45.	35.8
%RSD	.13736	.08894	.66312
#1	3310.0	50752.	5420.3
#2	3316.4	50815.	5369.7

Sample Name: CCVL1390952 Acquired: 5/1/2012 22:24:34 Type: QC
Method: 6500_025(v2) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01059**	**.10202**	**.01449**	**.10965**	**.01032**	**.00103**	**.11361**	**.18895**	**.00506**	**.01001**	**.01019**	**.01531**	**.09636**
Stddev	.00025	.00019	.00199	.00082	.00009	.00001	.00254	.00064	.00004	.00012	.00014	.00006	.00264
%RSD	2.3965	.18618	13.746	.74951	.91433	.77856	2.2324	.34048	.70076	1.2150	1.3668	.42237	2.7359
#1	.01077	.10216	.01308	.11023	.01025	.00104	.11182	.18940	.00508	.00993	.01028	.01526	.09823
#2	.01041	.10189	.01590	.10907	.01039	.00103	.11540	.18849	.00503	.01010	.01009	.01535	.09450
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**3.0398**	**.00962**	**.20960**	**.01054**	**.01979**	**1.0926**	**.04096**	**2.8005**	**.00883**	**.03604**	**.00924**	**.01544**	**.44802**
Stddev	.0323	.00239	.00064	.00005	.00001	.0137	.00021	.0002	.00000	.00456	.00017	.00158	.00729
%RSD	1.0640	24.864	.30563	.48820	.03157	1.2568	.50896	.00742	.01437	12.648	1.8112	10.261	1.6268
#1	3.0169	.01131	.20915	.01057	.01979	1.0828	.04111	2.8003	.00883	.03926	.00912	.01432	.45317
#2	3.0626	.00793	.21005	.01050	.01979	1.1023	.04081	2.8006	.00883	.03281	.00936	.01656	.44286
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.95876**	**.10290**	**.00999**	**.01675**	**.01028**	**.01769**	F **.08944**	**.00968**	**.02242**	**.01504**
Stddev	.01560	.00049	.00001	.00349	.00010	.00014	.01272	.00018	.00034	.00055
%RSD	1.6268	.47539	.13648	20.821	.98378	.81702	14.227	1.9014	1.5131	3.6875
#1	.96979	.10256	.00998	.01921	.01035	.01759	.08044	.00955	.02218	.01543
#2	.94773	.10325	.01000	.01428	.01021	.01779	.09843	.00981	.02266	.01465
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
Value							.06000			
Range							30.000%			

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**3381.5**	**51756.**	**5512.6**
Stddev	3.5	297.	1.2
%RSD	.10211	.57326	.02250
#1	3379.1	51966.	5513.4
#2	3384.0	51547.	5511.7

Sample Name: MB 280-117241/1-A Acquired: 5/1/2012 22:26:57 Type: Unk
Method: 6500_025(v2) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 117241 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00017	.00256	-.00212	F .01129	.00056	.00007	-.00279	.08307	.00044	-.00014
Stddev	.00040	.00038	.00186	.00072	.00012	.00001	.00110	.00129	.00010	.00015
%RSD	228.24	14.763	87.618	6.3842	21.977	16.995	39.511	1.5582	23.062	102.09
#1	-.00011	.00230	-.00081	.01179	.00064	.00006	-.00356	.08216	.00037	-.00004
#2	.00045	.00283	-.00344	.01078	.00047	.00008	-.00201	.08399	.00051	-.00025
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				.01000						
Low Limit				-.01000						

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00037	.00035	.01110	.05626	-.00043	.00967	.00027	.00002	.36453	-.00042
Stddev	.00016	.00012	.00221	.01392	.00218	.00020	.00003	.00006	.00150	.00008
%RSD	43.343	35.084	19.949	24.741	513.53	2.0513	12.896	240.13	.41143	19.799
#1	.00049	.00026	.01267	.06611	-.00197	.00981	.00024	-.00002	.36559	-.00036
#2	.00026	.00043	.00954	.04642	.00112	.00953	.00029	.00007	.36347	-.00048
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W .00737	.00026	F .10417	-.00152	.00306	W .00954	.02041	.00826	.00016	.00155
Stddev	.00136	.00179	.00241	.00223	.00298	.00321	.00687	.00006	.00003	.00250
%RSD	18.479	693.35	2.3184	146.89	97.355	33.637	33.637	.77931	21.190	160.99
#1	.00641	.00152	.10246	-.00310	.00517	.00727	.01556	.00821	.00018	-.00021
#2	.00834	-.00101	.10587	.00006	.00095	.01181	.02527	.00830	.00014	.00332
Check ?	Chk Warn	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Warn	None	Chk Pass	Chk Pass	Chk Pass
High Limit	.00500		.01000			.00500				
Low Limit	-.00500		-.01000			-.00500				

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00040	-.00003	-.00316	-.00040	.00308	.00011
Stddev	.00007	.00126	.00738	.00023	.00026	.00172
%RSD	17.222	3857.0	233.40	58.528	8.3294	1602.6
#1	.00044	-.00092	.00206	-.00023	.00290	.00132
#2	.00035	.00085	-.00838	-.00056	.00326	-.00111
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	3365.1	51960.	5564.7
Stddev	6.6	155.	1.9
%RSD	.19584	.29924	.03472
#1	3369.8	51850.	5563.3
#2	3360.5	52070.	5566.0

Sample Name: LCS 280-117241/2-A Acquired: 5/1/2012 22:29:22 Type: Unk
Method: 6500_025(v2) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 117241 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.04980**	**1.8105**	**.99881**	**.92946**	**1.9342**	**.04560**	**2.0627**	**45.254**	**.09782**	**.47689**
Stddev	.00021	.0014	.00850	.00006	.0002	.00002	.0035	.017	.00029	.00062
%RSD	.41447	.07985	.85116	.00677	.01064	.03979	.17077	.03824	.29987	.12991
#1	.04994	1.8115	.99279	.92941	1.9343	.04561	2.0602	45.266	.09762	.47645
#2	.04965	1.8095	1.0048	.92950	1.9340	.04559	2.0652	45.242	.09803	.47733
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.19544**	**.25415**	**.95580**	**47.821**	**.94609**	**46.630**	**.48890**	**.98447**	**49.679**	**.47608**
Stddev	.00001	.00170	.00501	.073	.00016	.174	.00094	.00078	.218	.00017
%RSD	.00278	.66790	.52458	.15232	.01658	.37306	.19244	.07879	.43954	.03517
#1	.19544	.25295	.95935	47.873	.94620	46.507	.48823	.98392	49.525	.47596
#2	.19543	.25535	.95226	47.770	.94598	46.753	.48956	.98501	49.834	.47620
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**9.4711**	**.48413**	**.11512**	**.46248**	**1.9543**	**1.1368**	F **2.4328**	**1.9409**	**.96748**	**.99631**
Stddev	.0139	.00012	.00212	.00014	.0012	.0049	.0106	.0054	.00039	.00034
%RSD	.14650	.02492	1.8410	.03049	.05917	.43410	.43410	.27987	.04031	.03365
#1	9.4613	.48405	.11363	.46238	1.9551	1.1333	2.4253	1.9448	.96776	.99608
#2	9.4809	.48422	.11662	.46258	1.9535	1.1403	2.4403	1.9371	.96721	.99655
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit							14.980			
Low Limit							2.1400			

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.96947**	**1.9249**	**2.1402**	**.49639**	**.48996**	**.47195**
Stddev	.00127	.0028	.0096	.00066	.00029	.00204
%RSD	.13148	.14657	.44671	.13229	.05988	.43318
#1	.96857	1.9230	2.1469	.49593	.48975	.47340
#2	.97037	1.9269	2.1334	.49686	.49017	.47050
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**3183.2**	**48792.**	**5450.1**
Stddev	4.4	70.	7.8
%RSD	.13919	.14293	.14398
#1	3180.0	48742.	5444.5
#2	3186.3	48841.	5455.6

Sample Name: 280-28177-D-19-A Acquired: 5/1/2012 22:31:32 Type: Unk
Method: 6500_025(v2) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 117241 6010B

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00042**	**6.2350**	**-.00003**	**.02624**	**.02628**	**.00035**	**-.00331**	**1.7353**	**.00048**	**.00042**
Stddev	.00019	.0045	.00078	.00021	.00026	.00002	.00274	.0032	.00025	.00007
%RSD	44.550	.07251	2389.8	.79898	.98855	6.7195	82.676	.18601	51.352	16.767
#1	.00029	6.2318	.00052	.02639	.02609	.00037	-.00138	1.7376	.00031	.00037
#2	.00056	6.2382	-.00059	.02609	.02646	.00033	-.00525	1.7330	.00065	.00047
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01342**	**.06381**	**4.0138**	**1.2862**	**.01262**	**3.0955**	**.03229**	**.00196**	**20.602**	**.00289**
Stddev	.00016	.00024	.0274	.0278	.00123	.0077	.00007	.00054	.269	.00011
%RSD	1.1658	.37979	.68158	2.1627	9.7446	.25003	.22865	27.323	1.3065	3.8491
#1	.01353	.06364	4.0332	1.3058	.01349	3.0900	.03224	.00158	20.792	.00281
#2	.01331	.06398	3.9945	1.2665	.01175	3.1009	.03235	.00234	20.412	.00297
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.35687**	**.02075**	**2.8704**	**.00059**	**.00155**	**1.7175**	**3.6754**	**.00600**	**.05364**	**.00513**
Stddev	.00267	.00118	.0063	.00242	.00361	.0178	.0381	.00111	.00031	.00046
%RSD	.74700	5.6912	.21835	409.34	232.90	1.0360	1.0360	18.569	.57821	9.0007
#1	.35875	.01992	2.8748	.00230	-.00100	1.7300	3.7023	.00521	.05386	.00480
#2	.35498	.02159	2.8659	-.00112	.00410	1.7049	3.6484	.00678	.05342	.00546
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.30346**	**.00031**	**.00117**	**.01304**	**.04399**	**.00522**
Stddev	.00107	.00010	.01139	.00015	.00031	.00017
%RSD	.35143	30.678	973.29	1.1244	.70269	3.1709
#1	.30421	.00038	.00922	.01293	.04421	.00534
#2	.30270	.00025	-.00688	.01314	.04377	.00510
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**3352.0**	**51179.**	**5578.2**
Stddev	10.1	87.	21.9
%RSD	.30186	.16998	.39345
#1	3359.2	51240.	5562.7
#2	3344.9	51117.	5593.7

Sample Name: 280-28177-B-20-A Acquired: 5/1/2012 22:33:54 Type: Unk
Method: 6500_025(v2) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 117241 6010B

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00004**	**6.5486**	**.00000**	**.02413**	**.02803**	**.00040**	**-.00443**	**9.1088**	**.00048**	**.00021**
Stddev	.00005	.0156	.0051	.00024	.00015	.00004	.00110	.0628	.00001	.00004
%RSD	108.20	.23776	159590.	.99612	.53668	9.7347	24.913	.68990	1.4506	20.358
#1	.00001	6.5376	.00359	.02396	.02813	.00042	-.00521	9.0643	.00048	.00024
#2	.00008	6.5597	-.00360	.02430	.02792	.00037	-.00365	9.1532	.00047	.00018
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01658**	**.15503**	**6.2757**	**1.2589**	**.01063**	**2.9275**	**.04781**	**.00103**	**19.223**	**.00247**
Stddev	.00008	.00008	.0055	.0255	.00066	.0112	.00003	.00015	.277	.00011
%RSD	.47152	.05252	.08702	2.0275	6.2304	.38209	.06718	14.460	1.4416	4.4978
#1	.01653	.15509	6.2718	1.2770	.01017	2.9354	.04783	.00114	19.027	.00255
#2	.01664	.15498	6.2795	1.2409	.01110	2.9196	.04779	.00092	19.419	.00239
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.45691**	**.03337**	**2.8322**	**-.00102**	**.00096**	**1.7738**	**3.7959**	**.00530**	**.13372**	**.00977**
Stddev	.00242	.00111	.0013	.00093	.00101	.0251	.0537	.00063	.00026	.00109
%RSD	.52868	3.3402	.04548	91.754	105.39	1.4135	1.4135	11.893	.19338	11.184
#1	.45520	.03416	2.8313	-.00036	.00025	1.7915	3.8339	.00485	.13353	.00899
#2	.45862	.03258	2.8331	-.00168	.00168	1.7561	3.7580	.00574	.13390	.01054
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.39684**	**-.00126**	**.01610**	**.01567**	**.06160**	**.00450**
Stddev	.00514	.00217	.00794	.00034	.00006	.00031
%RSD	1.2958	172.37	49.323	2.1764	.09066	6.9581
#1	.40047	-.00280	.02172	.01591	.06164	.00472
#2	.39320	.00028	.01049	.01543	.06156	.00427
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**3355.9**	**51482.**	**5587.4**
Stddev	4.1	27.	33.8
%RSD	.12240	.05248	.60537
#1	3358.8	51463.	5611.4
#2	3353.0	51501.	5563.5

Sample Name: 280-28177-B-21-A Acquired: 5/1/2012 22:36:16 Type: Unk
Method: 6500_025(v2) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 117241 6010B

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00022**	**5.9054**	**.00262**	**.01975**	**.03655**	**.00056**	**-.00167**	**1.0961**	**.00037**	**.00061**
Stddev	.00018	.0331	.00092	.00015	.00053	.00009	.00106	.0050	.00028	.00003
%RSD	79.577	.55986	35.318	.76324	1.4401	16.222	63.268	.45799	75.706	4.4200
#1	.00035	5.9288	.00196	.01964	.03692	.00063	-.00242	1.0996	.00057	.00059
#2	.00010	5.8820	.00327	.01986	.03618	.00050	-.00092	1.0925	.00017	.00063
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.02895**	**.23477**	**6.2699**	**1.1667**	**.00832**	**2.3207**	**.12070**	**.00077**	**15.477**	**.00669**
Stddev	.00017	.00203	.0274	.0080	.00098	.0165	.00057	.00029	.295	.00029
%RSD	.57056	.86406	.43731	.68860	11.770	.70982	.47296	37.614	1.9063	4.3773
#1	.02906	.23334	6.2892	1.1724	.00763	2.3090	.12030	.00057	15.268	.00690
#2	.02883	.23620	6.2505	1.1610	.00902	2.3323	.12110	.00098	15.685	.00648
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.65207**	**.06429**	**1.7615**	**-.00273**	**.00110**	**1.3168**	**2.8179**	**.00494**	**.07291**	**.00984**
Stddev	.00624	.00004	.0001	.00089	.00171	.0041	.0089	.00034	.00026	.00091
%RSD	.95631	.06083	.00811	32.710	155.68	.31467	.31467	6.8893	.36282	9.2897
#1	.64766	.06432	1.7616	-.00336	-.00011	1.3197	2.8241	.00518	.07310	.00920
#2	.65647	.06426	1.7614	-.00210	.00230	1.3138	2.8116	.00470	.07273	.01049
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.74434**	**-.00076**	**-.03115**	**.01936**	**.09952**	**.00791**
Stddev	.00555	.00224	.03322	.00061	.00015	.00028
%RSD	.74522	296.19	106.63	3.1289	.15097	3.4846
#1	.74041	.00083	-.05464	.01893	.09963	.00771
#2	.74826	-.00234	-.00766	.01979	.09942	.00810
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**3375.8**	**51812.**	**5507.3**
Stddev	15.8	287.	8.7
%RSD	.46735	.55488	.15706
#1	3364.6	52015.	5513.5
#2	3386.9	51608.	5501.2

Sample Name: sd 28177-B-21-A@5 Acquired: 5/1/2012 22:38:38 Type: Unk
Method: 6500_025(v2) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 117241 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00026**	**1.2557**	**-.00198**	**.01146**	**.00803**	**.00018**	**-.00286**	**.23356**	**.00025**	**.00006**
Stddev	.00021	.0015	.00017	.00122	.00002	.00002	.00333	.00121	.00003	.00005
%RSD	80.147	.11643	8.4676	10.661	.28151	11.992	116.28	.51667	12.733	84.644
#1	.00040	1.2568	-.00186	.01232	.00802	.00016	-.00521	.23442	.00027	.00009
#2	.00011	1.2547	-.00210	.01060	.00805	.00019	-.00051	.23271	.00023	.00002
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00621**	**.04760**	**1.2958**	**.28888**	**.00358**	**.49031**	**.02539**	**.00014**	**3.0655**	**.00076**
Stddev	.00052	.00010	.0063	.00997	.00038	.00034	.00014	.00048	.0000	.00015
%RSD	8.3738	.21920	.49034	3.4530	10.479	.06846	.53927	337.06	.00029	19.491
#1	.00585	.04753	1.2913	.28183	.00332	.49054	.02548	-.00020	3.0655	.00065
#2	.00658	.04767	1.3003	.29593	.00385	.49007	.02529	.00048	3.0655	.00086
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.13560**	**.01293**	**.38583**	**-.00305**	**.00580**	**.27139**	**.58077**	**.00115**	**.01508**	**.00206**
Stddev	.00387	.00044	.00689	.00307	.00323	.00802	.01716	.00133	.00006	.00094
%RSD	2.8537	3.3965	1.7854	100.58	55.655	2.9546	2.9546	115.76	.38324	45.559
#1	.13833	.01324	.39070	-.00522	.00352	.26572	.56863	.00021	.01504	.00140
#2	.13286	.01262	.38096	-.00088	.00808	.27706	.59290	.00209	.01512	.00272
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.15174**	**.00177**	**.01401**	**.00367**	**.02324**	**.00055**
Stddev	.00035	.00010	.01212	.00012	.00096	.00202
%RSD	.23138	5.8618	86.517	3.2018	4.1331	368.90
#1	.15199	.00184	.02258	.00358	.02256	.00197
#2	.15149	.00170	.00544	.00375	.02392	-.00088
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**3346.1**	**51074.**	**5427.1**
Stddev	7.9	316.	4.4
%RSD	.23626	.61879	.08108
#1	3340.5	50851.	5424.0
#2	3351.7	51298.	5430.2

Sample Name: CCVH-1390999 Acquired: 5/1/2012 22:41:02 Type: QC
Method: 6500_025(v2) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00130**	**48.937**	**-.00129**	**.01006**	**.00029**	**.00010**	**1.0250**	**.00476**	**.00014**	**.00038**	**.00041**	**-.00485**
Stddev	.00011	.029	.00419	.00023	.00015	.00004	.0111	.00220	.00012	.00024	.00008	.00002
%RSD	8.1218	.06019	325.99	2.2543	52.035	42.566	1.0804	46.271	89.892	62.776	18.607	.39034
#1	-.00122	48.916	-.00425	.01022	.00018	.00013	1.0329	.00320	.00023	.00021	.00036	-.00484
#2	-.00137	48.958	.00168	.00990	.00039	.00007	1.0172	.00631	.00005	.00055	.00046	-.00486
Check ?	None	Chk Pass	None	None	None	None	Chk Pass	None	None	None	None	None
Value												
Range												

Elem	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316	P_1782	Pb2203	S_1820	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**48.736**	**.03298**	**.00441**	**-.02499**	**.00011**	**.00039**	**245.58**	**.00088**	**.00061**	**-.00073**	**5.0474**	**-.00190**
Stddev	.002	.03087	.00233	.00222	.00008	.00024	.82	.00022	.00132	.00006	.0067	.00018
%RSD	.00503	93.596	52.929	8.8882	75.934	60.639	.33351	24.488	216.63	7.9194	.13256	9.4843
#1	48.734	.01115	.00606	-.02342	.00005	.00022	245.00	.00103	-.00032	-.00077	5.0521	-.00202
#2	48.738	.05481	.00276	-.02656	.00016	.00056	246.16	.00073	.00154	-.00069	5.0426	-.00177
Check ?	Chk Pass	None	None	None	None	None	Chk Pass	None	None	None	Chk Pass	None
Value												
Range												

Elem	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00495**	**-.00155**	**-.00332**	**.00120**	**.00036**	**5.1582**	**.00820**	**-.00004**	W **10.624**	**-.00411**	**.00210**	**-.04875**
Stddev	.00047	.01447	.03097	.00016	.00003	.0170	.00007	.00079	.079	.00002	.00013	.00030
%RSD	9.4571	934.21	934.21	13.201	7.0229	.32869	.79652	1892.9	.74019	.55178	6.2174	.62251
#1	.00462	.00868	.01859	.00131	.00035	5.1462	.00815	-.00060	10.568	-.00412	.00219	-.04853
#2	.00528	-.01178	-.02522	.00108	.00038	5.1702	.00824	.00051	10.679	-.00409	.00201	-.04896
Check ?	None	None	None	None	None	Chk Pass	None	None	Chk Warn	None	None	None
Value									10.000			
Range									5.0000%			

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**3184.8**	**47699.**	**5329.3**
Stddev	7.7	35.	.4
%RSD	.24201	.07331	.00724
#1	3190.2	47724.	5329.1
#2	3179.3	47674.	5329.6

Sample Name: CCV-1390955 Acquired: 5/1/2012 22:43:22 Type: QC
Method: 6500_025(v2) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.50535**	**.48891**	**.99541**	**.48767**	**.49555**	**.46155**	**-.00078**	**4.7010**	**.50237**	**.49727**	**.50145**	**.51897**	**2.4232**
Stddev	.00260	.00349	.00227	.00064	.00090	.00073	.00032	.0215	.00241	.00154	.00202	.00306	.0210
%RSD	.51419	.71450	.22851	.13213	.18091	.15875	40.676	.45768	.47890	.30994	.40326	.58894	.86868
#1	.50719	.48644	.99381	.48721	.49492	.46207	-.00100	4.7162	.50067	.49618	.50002	.52113	2.4381
#2	.50351	.49138	.99702	.48812	.49618	.46103	-.00055	4.6858	.50407	.49836	.50288	.51680	2.4083
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**48.702**	**.96039**	**19.474**	**.50197**	**.49813**	**4.7838**	**.49554**	**.94090**	**1.0313**	**.03724**	**.96606**	**1.0021**	**4.6128**
Stddev	.006	.00177	.116	.00347	.00229	.0152	.00261	.00733	.0073	.00229	.00466	.0008	.0180
%RSD	.01319	.18409	.59599	.69132	.46007	.31769	.52764	.77896	.70717	6.1453	.48230	.07953	.38925
#1	48.698	.95914	19.556	.50442	.49651	4.7731	.49369	.93572	1.0262	.03885	.96276	1.0015	4.6255
#2	48.707	.96164	19.392	.49952	.49975	4.7946	.49739	.94608	1.0365	.03562	.96935	1.0026	4.6001
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**9.8713**	**.99823**	**.48887**	**.00079**	**.48832**	**1.0194**	**.00166**	**.50120**	**.50966**	**.49400**
Stddev	.0384	.00578	.00006	.00048	.00221	.0023	.00975	.00202	.00282	.00300
%RSD	.38925	.57911	.01298	61.487	.45230	.22348	588.63	.40380	.55288	.60669
#1	9.8985	.99414	.48883	.00113	.48988	1.0178	.00855	.50263	.51165	.49612
#2	9.8442	1.0023	.48892	.00045	.48675	1.0210	-.00524	.49977	.50767	.49188
Check ?	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value										
Range										

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**3261.3**	**49665.**	**5329.5**
Stddev	8.1	153.	13.2
%RSD	.24774	.30715	.24821
#1	3267.0	49557.	5320.2
#2	3255.6	49773.	5338.9

Sample Name: CCB Acquired: 5/1/2012 22:45:35 Type: QC
Method: 6500_025(v2) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00039**	**.00011**	**-.00336**	F **.00776**	**.00010**	**.00014**	**-.00157**	**-.00176**	**.00018**	**-.00006**	**-.00011**	**-.00100**
Stddev	.00006	.00034	.00083	.00030	.00007	.00012	.00274	.00353	.00000	.00031	.00008	.00008
%RSD	16.420	322.08	24.699	3.8103	70.634	84.066	174.53	201.04	1.7422	520.25	72.294	7.9223
#1	.00034	.00035	-.00278	.00755	.00005	.00022	-.00350	-.00426	.00018	.00016	-.00005	-.00094
#2	.00043	-.00014	-.00395	.00797	.00015	.00006	.00037	.00074	.00017	-.00028	-.00017	-.00105
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				.00700								
Low Limit				-.00700								

Elem	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00092**	**.04221**	**.00084**	**.00185**	**.00003**	**.00105**	W **.10736**	**-.00025**	**.00228**	**-.00094**	**.03109**	**.00142**
Stddev	.00426	.04161	.00075	.00193	.00002	.00030	.00104	.00000	.00005	.00081	.00076	.00160
%RSD	463.35	98.574	88.930	104.64	67.337	28.665	.97076	1.2548	1.9878	86.569	2.4469	112.84
#1	-.00393	.01279	.00137	.00048	.00004	.00084	.10663	-.00024	.00231	-.00151	.03163	.00029
#2	.00209	.07163	.00031	.00321	.00001	.00127	.10810	-.00025	.00225	-.00036	.03055	.00255
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							.09160					
Low Limit							-.09160					

Elem	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **.00565**	**-.00977**	**-.02092**	**.00100**	**.00008**	**-.00115**	**.00030**	**-.00065**	**.02688**	**-.00060**	**.00147**	**.00142**
Stddev	.00391	.00929	.01988	.00077	.00011	.00037	.00009	.00125	.01486	.00018	.00006	.00097
%RSD	69.166	95.041	95.041	77.398	138.90	31.962	30.942	192.64	55.279	30.201	4.1193	67.953
#1	.00289	-.00321	-.00686	.00045	.00000	-.00140	.00037	-.00154	.03739	-.00047	.00142	.00210
#2	.00842	-.01634	-.03498	.00154	.00016	-.00089	.00024	.00024	.01637	-.00073	.00151	.00074
Check ?	Chk Warn	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	.00486											
Low Limit	-.00486											

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**3302.6**	**50212.**	**5340.3**
Stddev	6.6	134.	4.8
%RSD	.19963	.26615	.08926
#1	3298.0	50307.	5343.6
#2	3307.3	50118.	5336.9

Sample Name: CCVL1390952 Acquired: 5/1/2012 22:48:01 Type: QC
Method: 6500_025(v2) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01043**	**.10219**	**.01133**	**.10305**	**.01022**	**.00094**	**.11543**	**.18760**	**.00514**	**.01021**	**.01003**	**.01518**	**.09339**
Stddev	.00001	.00044	.00178	.00115	.00019	.00003	.00350	.00153	.00019	.00000	.00032	.00020	.00046
%RSD	.06157	.43221	15.722	1.1191	1.8907	3.4571	3.0286	.81805	3.6388	.04009	3.2229	1.3349	.49038
#1	.01043	.10188	.01007	.10224	.01036	.00092	.11295	.18651	.00527	.01021	.00981	.01503	.09372
#2	.01044	.10250	.01259	.10387	.01009	.00097	.11790	.18868	.00501	.01021	.01026	.01532	.09307
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**3.0215**	**.01169**	**.20724**	**.01047**	**.02001**	**1.0695**	**.03997**	**2.7834**	**.00943**	**.01952**	F **.00697**	**.01464**	**.44351**
Stddev	.0126	.00208	.00276	.00002	.00009	.0138	.00017	.0090	.00069	.00720	.00214	.00240	.00227
%RSD	.41838	17.820	1.3302	.23703	.43994	1.2917	.42546	.32325	7.3433	36.864	30.690	16.403	.51076
#1	3.0305	.01021	.20529	.01049	.01995	1.0597	.03985	2.7898	.00991	.01443	.00546	.01633	.44511
#2	3.0126	.01316	.20919	.01045	.02007	1.0793	.04009	2.7770	.00894	.02461	.00848	.01294	.44191
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Fail	Chk Pass	Chk Pass
Value											.01000		
Range											-30.000%		

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.94911**	**.10237**	**.00982**	**.01482**	**.00983**	**.01941**	F **.09166**	**.00923**	**.02315**	**.01347**
Stddev	.00485	.00018	.00019	.00006	.00054	.00215	.00432	.00025	.00037	.00216
%RSD	.51076	.17665	1.9326	.39386	5.4867	11.081	4.7148	2.7033	1.5991	16.021
#1	.95254	.10224	.00969	.01478	.00944	.01789	.08861	.00905	.02341	.01500
#2	.94569	.10249	.00995	.01486	.01021	.02093	.09472	.00940	.02289	.01194
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
Value							.06000			
Range							30.000%			

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**3379.6**	**51454.**	**5466.5**
Stddev	3.8	71.	20.2
%RSD	.11382	.13742	.37027
#1	3382.3	51404.	5452.1
#2	3376.9	51504.	5480.8

Sample Name: 280-28177-B-21-B MS Acquired: 5/1/2012 22:50:24 Type: Unk
Method: 6500_025(v2) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 117241 6010B

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.04815**	**11.591**	**.92921**	**.88848**	**1.8987**	**.04404**	F **1.9438**	**44.268**	**.09267**	**.45303**
Stddev	.00044	.022	.00801	.00187	.0050	.00004	.0058	.059	.00034	.00132
%RSD	.91942	.18826	.86194	.21096	.26277	.08903	.29836	.13226	.36908	.29213
#1	.04846	11.607	.93487	.88981	1.9022	.04401	1.9479	44.227	.09292	.45397
#2	.04784	11.576	.92354	.88716	1.8952	.04407	1.9397	44.310	.09243	.45210
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit							.10000			
Low Limit							-.10000			

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.21361**	**.53491**	**7.1303**	**47.553**	**.90151**	**48.098**	**.58307**	**.91120**	**60.813**	**.45386**
Stddev	.00034	.00199	.0142	.003	.00237	.209	.00194	.00259	.080	.00200
%RSD	.16005	.37136	.19974	.00630	.26281	.43487	.33222	.28424	.13208	.44003
#1	.21385	.53631	7.1203	47.551	.90319	48.246	.58444	.91304	60.870	.45528
#2	.21337	.53350	7.1404	47.555	.89984	47.951	.58170	.90937	60.756	.45245
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **9.6177**	**.53877**	**1.5632**	**.42081**	**1.8332**	**3.4515**	**7.3863**	**1.8231**	**1.0017**	**.97970**
Stddev	.0439	.00260	.0081	.00363	.0129	.0154	.0329	.0045	.0020	.00195
%RSD	.45605	.48309	.52097	.86272	.70166	.44501	.44501	.24440	.19551	.19890
#1	9.6487	.54061	1.5689	.42337	1.8423	3.4624	7.4095	1.8263	1.0031	.98108
#2	9.5867	.53693	1.5574	.41824	1.8241	3.4407	7.3631	1.8200	1.0003	.97833
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	2.0000									
Low Limit	-1.0000									

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.4410**	**1.8182**	**2.0342**	**.49824**	**.57540**	**.47176**
Stddev	.0004	.0057	.0211	.00317	.00265	.00184
%RSD	.03022	.31520	1.0370	.63529	.46092	.39054
#1	1.4407	1.8222	2.0491	.50048	.57727	.47306
#2	1.4413	1.8141	2.0193	.49600	.57352	.47046
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**3258.3**	**48751.**	**5514.0**
Stddev	10.3	223.	19.0
%RSD	.31462	.45679	.34403
#1	3251.1	48594.	5500.6
#2	3265.6	48909.	5527.4

Sample Name: 280-28177-B-21-C MSD Acquired: 5/1/2012 22:52:34 Type: Unk
Method: 6500_025(v2) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 117241 6010B

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.04796**	**10.745**	**.92667**	**.88681**	**1.9067**	**.04364**	F **1.9458**	**44.110**	**.09324**	**.45213**
Stddev	.00052	.006	.00302	.00189	.0042	.00011	.0016	.041	.00029	.00064
%RSD	1.0779	.05427	.32565	.21274	.22019	.25262	.08207	.09306	.31375	.14046
#1	.04759	10.749	.92880	.88814	1.9097	.04372	1.9447	44.139	.09344	.45169
#2	.04832	10.740	.92453	.88548	1.9038	.04356	1.9469	44.081	.09303	.45258
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit							.10000			
Low Limit							-.10000			

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.21805**	**.49687**	**9.8810**	**47.561**	**.89562**	**47.912**	**.58109**	**.91273**	**60.142**	**.45516**
Stddev	.00024	.00140	.0050	.101	.00078	.198	.00255	.00114	.047	.00040
%RSD	.11134	.28253	.05020	.21311	.08721	.41222	.43804	.12464	.07774	.08704
#1	.21823	.49786	9.8845	47.633	.89507	48.051	.58289	.91353	60.176	.45488
#2	.21788	.49587	9.8775	47.489	.89617	47.772	.57929	.91192	60.109	.45544
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **9.6925**	**.53005**	**1.5871**	**.42291**	**1.8385**	**3.2435**	**6.9411**	**1.8268**	**1.0151**	**.97979**
Stddev	.0017	.00485	.0040	.00041	.0038	.0081	.0174	.0026	.0020	.00158
%RSD	.01775	.91565	.24858	.09709	.20526	.24990	.24990	.14130	.20107	.16099
#1	9.6938	.52662	1.5898	.42320	1.8358	3.2378	6.9289	1.8286	1.0166	.98090
#2	9.6913	.53349	1.5843	.42262	1.8412	3.2493	6.9534	1.8250	1.0137	.97867
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	2.0000									
Low Limit	-1.0000									

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.4208**	**1.8223**	**2.0224**	**.49598**	**.57208**	**.46963**
Stddev	.0036	.0014	.0256	.00221	.00148	.00181
%RSD	.25655	.07582	1.2667	.44557	.25800	.38523
#1	1.4234	1.8233	2.0405	.49755	.57312	.47091
#2	1.4182	1.8213	2.0043	.49442	.57103	.46835
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**3282.7**	**49131.**	**5557.8**
Stddev	3.1	232.	20.4
%RSD	.09569	.47228	.36625
#1	3284.9	48967.	5543.4
#2	3280.5	49295.	5572.2

Sample Name: 280-28177-A-22-A Acquired: 5/1/2012 22:54:44 Type: Unk
Method: 6500_025(v2) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 117241 6010B

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00002**	**4.5672**	**.00123**	**.01929**	**.01998**	**.00035**	**-.00701**	**1.0077**	**.00038**	**.00010**
Stddev	.00012	.0251	.00399	.00019	.00022	.00001	.00041	.0030	.00004	.00002
%RSD	499.34	.54923	325.45	.98610	1.1135	3.4572	5.9108	.29791	9.3191	23.693
#1	.00011	4.5849	.00405	.01915	.01982	.00036	-.00671	1.0098	.00036	.00009
#2	-.00006	4.5494	-.00160	.01942	.02014	.00034	-.00730	1.0056	.00041	.00012
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01386**	**.21638**	**4.2294**	**1.0756**	**.00805**	**2.3297**	**.04220**	**.00218**	**17.348**	**.00198**
Stddev	.00024	.00100	.0123	.0372	.00069	.0019	.00013	.00076	.164	.00004
%RSD	1.7271	.46198	.29145	3.4619	8.5313	.08283	.30192	35.071	.94297	1.8834
#1	.01403	.21709	4.2381	1.1019	.00757	2.3311	.04229	.00164	17.463	.00195
#2	.01369	.21567	4.2207	1.0493	.00854	2.3284	.04211	.00271	17.232	.00200
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.32915**	**.02909**	**1.9565**	**-.00016**	**.00535**	**1.3937**	**2.9825**	**.00500**	**.04505**	**.00935**
Stddev	.00083	.00199	.0065	.00221	.00061	.0157	.0335	.00085	.00045	.00043
%RSD	.25123	6.8418	.33010	1363.5	11.379	1.1232	1.1232	16.925	1.0000	4.6396
#1	.32974	.02769	1.9520	.00140	.00578	1.3826	2.9588	.00560	.04537	.00966
#2	.32857	.03050	1.9611	-.00172	.00492	1.4048	3.0062	.00440	.04473	.00905
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.41288**	**.00166**	**-.03108**	**.01139**	**.05526**	**.00287**
Stddev	.00599	.00151	.02362	.00062	.00049	.00033
%RSD	1.4518	90.609	75.986	5.4500	.89534	11.576
#1	.41712	.00060	-.04778	.01183	.05561	.00264
#2	.40864	.00273	-.01438	.01095	.05491	.00311
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**3372.3**	**51395.**	**5566.8**
Stddev	6.4	15.	33.1
%RSD	.18917	.02971	.59515
#1	3376.8	51384.	5543.3
#2	3367.8	51406.	5590.2

Sample Name: 280-28177-A-23-A Acquired: 5/1/2012 22:57:05 Type: Unk
Method: 6500_025(v2) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 117241 6010B

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00018**	**5.3295**	**.00211**	**.02572**	**.01493**	**.00031**	**-.00128**	**2.5048**	**.00015**	**.00044**
Stddev	.00001	.0211	.00254	.00020	.00032	.00001	.00201	.0070	.00004	.00011
%RSD	4.3583	.39658	120.30	.76033	2.1141	4.6928	156.78	.27825	27.920	24.180
#1	.00018	5.3444	.00032	.02559	.01515	.00032	.00014	2.5098	.00012	.00051
#2	.00019	5.3145	.00391	.02586	.01470	.00030	-.00270	2.4999	.00018	.00036
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01393**	**.00683**	**4.2248**	**1.5709**	**.01087**	**3.5010**	**.03248**	**.00139**	**23.901**	**.00238**
Stddev	.00013	.00040	.0243	.0472	.00021	.0046	.00027	.00068	.104	.00007
%RSD	.90752	5.7989	.57576	3.0050	1.9100	.13148	.82224	48.619	.43483	2.8076
#1	.01384	.00711	4.2420	1.6042	.01102	3.5043	.03229	.00092	23.827	.00242
#2	.01402	.00655	4.2076	1.5375	.01072	3.4978	.03267	.00187	23.974	.00233
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.38238**	**.01402**	**4.3730**	**-.00058**	**.00426**	**1.7227**	**3.6867**	**.00500**	**.04446**	**.00545**
Stddev	.00155	.00151	.0048	.00072	.00368	.0263	.0563	.00037	.00018	.00120
%RSD	.40437	10.745	.10879	125.56	86.401	1.5257	1.5257	7.4398	.41564	22.099
#1	.38129	.01509	4.3696	-.00109	.00166	1.7413	3.7264	.00527	.04460	.00460
#2	.38347	.01296	4.3764	-.00006	.00686	1.7042	3.6469	.00474	.04433	.00630
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.34111**	**.00050**	**-.01134**	**.01136**	**.01781**	**.00498**
Stddev	.00175	.00106	.01735	.00037	.00003	.00088
%RSD	.51374	211.87	153.03	3.2454	.15052	17.651
#1	.33987	-.00025	.00093	.01162	.01783	.00436
#2	.34235	.00125	-.02361	.01110	.01779	.00561
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**3352.2**	**51201.**	**5558.1**
Stddev	6.8	146.	13.0
%RSD	.20252	.28496	.23455
#1	3347.4	51304.	5548.9
#2	3357.0	51097.	5567.4

Sample Name: 280-28177-A-24-A Acquired: 5/1/2012 22:59:26 Type: Unk
Method: 6500_025(v2) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 117241 6010B

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00018**	**23.891**	**.00567**	**.02039**	**.07965**	**.00132**	**-.00469**	**1.0357**	**.00047**	**.00615**
Stddev	.00024	.097	.00037	.00004	.00010	.00000	.00262	.0024	.00000	.00003
%RSD	132.70	.40411	6.5821	.19875	.12331	.01790	55.905	.22817	.89128	.54445
#1	-.00001	23.823	.00541	.02042	.07958	.00132	-.00655	1.0340	.00047	.00612
#2	-.00034	23.959	.00594	.02036	.07972	.00132	-.00284	1.0374	.00047	.00617
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.04268**	**.08824**	**16.707**	**1.6990**	**.01124**	**2.7388**	**.08475**	**.00055**	**13.812**	**.03113**
Stddev	.00006	.00071	.025	.0154	.00050	.0043	.00017	.00018	.339	.00022
%RSD	.14041	.80484	.15265	.90612	4.4531	.15625	.20227	33.509	2.4509	.71435
#1	.04273	.08875	16.689	1.7099	.01088	2.7418	.08487	.00068	14.051	.03098
#2	.04264	.08774	16.725	1.6881	.01159	2.7358	.08463	.00042	13.573	.03129
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **2.3867**	**.01616**	**1.3675**	**-.00114**	**-.00090**	**1.3990**	**2.9939**	**.00480**	**.12961**	**.01013**
Stddev	.0005	.00084	.0088	.00073	.00101	.0096	.0205	.00001	.00018	.00023
%RSD	.02214	5.1783	.64374	64.159	111.95	.68507	.68507	.12395	.13886	2.3058
#1	2.3870	.01557	1.3612	-.00062	-.00162	1.3922	2.9794	.00480	.12948	.00996
#2	2.3863	.01675	1.3737	-.00166	-.00019	1.4058	3.0084	.00480	.12974	.01029
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	2.0000									
Low Limit	-1.0000									

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.45001**	**-.00065**	**-.04789**	**.03156**	**.06793**	**.00992**
Stddev	.00007	.00095	.01888	.00033	.00088	.00079
%RSD	.01656	147.31	39.423	1.0429	1.2941	7.9805
#1	.44995	-.00132	-.03454	.03133	.06731	.00936
#2	.45006	.00003	-.06125	.03179	.06855	.01048
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**3535.9**	**53509.**	**5868.0**
Stddev	2.8	209.	10.4
%RSD	.07967	.39139	.17805
#1	3537.9	53361.	5860.6
#2	3533.9	53657.	5875.4

Sample Name: 280-28177-A-25-A Acquired: 5/1/2012 23:01:46 Type: Unk
Method: 6500_025(v2) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 117241 6010B

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00008**	**6.8562**	**.00180**	**.02729**	**.02248**	**.00034**	**-.00192**	**2.6930**	**.00041**	**.00052**
Stddev	.00002	.0311	.00273	.00034	.00013	.00011	.00132	.0001	.00008	.00013
%RSD	28.297	.45324	151.24	1.2554	.57911	31.375	69.020	.00448	18.862	24.332
#1	.00009	6.8342	-.00013	.02754	.02238	.00027	-.00098	2.6929	.00047	.00061
#2	.00006	6.8782	.00373	.02705	.02257	.00042	-.00285	2.6930	.00036	.00043
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01740**	**.01059**	**4.7078**	**1.7614**	**.01429**	**3.9858**	**.04334**	**.00170**	**26.292**	**.00360**
Stddev	.00020	.00044	.0051	.0136	.00060	.0052	.00008	.00040	.060	.00069
%RSD	1.1678	4.1971	.10914	.76948	4.1866	.12967	.18527	23.677	.22708	19.087
#1	.01754	.01091	4.7042	1.7518	.01471	3.9894	.04340	.00141	26.250	.00408
#2	.01726	.01028	4.7115	1.7710	.01386	3.9821	.04328	.00198	26.334	.00311
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.42639**	**.01838**	**4.4524**	**-.00233**	**.00407**	**1.6804**	**3.5960**	**.00313**	**.05461**	**.00763**
Stddev	.00611	.00034	.0126	.00116	.00259	.0190	.0406	.00141	.00009	.00090
%RSD	1.4321	1.8230	.28345	49.613	63.768	1.1304	1.1304	45.098	.15828	11.837
#1	.42208	.01814	4.4435	-.00152	.00590	1.6938	3.6247	.00213	.05455	.00827
#2	.43071	.01862	4.4613	-.00315	.00223	1.6669	3.5673	.00413	.05467	.00699
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.43545**	**-.00042**	**-.02910**	**.01542**	**.02177**	**.00438**
Stddev	.00135	.00104	.01942	.00014	.00026	.00011
%RSD	.31027	248.17	66.755	.87593	1.2112	2.4035
#1	.43450	.00032	-.04283	.01533	.02195	.00446
#2	.43641	-.00116	-.01536	.01552	.02158	.00431
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**3361.9**	**51095.**	**5535.0**
Stddev	1.8	184.	10.0
%RSD	.05238	.35942	.18070
#1	3363.1	50965.	5542.1
#2	3360.7	51225.	5527.9

Sample Name: CCVH-1390999 Acquired: 5/1/2012 23:04:06 Type: QC
Method: 6500_025(v2) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00096**	**48.498**	**.00224**	**.00778**	**.00067**	**.00013**	**1.0305**	**.00553**	**.00004**	**.00042**	**.00058**	**-.00447**
Stddev	.00029	.201	.00121	.00019	.00005	.00003	.0013	.00338	.00006	.00043	.00005	.00011
%RSD	29.737	.41546	54.260	2.4901	7.9491	20.956	.12664	61.120	152.83	101.73	8.0211	2.4846
#1	-.00117	48.356	.00310	.00764	.00063	.00015	1.0296	.00314	.00009	.00073	.00062	-.00455
#2	-.00076	48.640	.00138	.00792	.00071	.00011	1.0315	.00793	.00000	.00012	.00055	-.00439
Check ?	None	Chk Pass	None	None	None	None	Chk Pass	None	None	None	None	None
Value												
Range												

Elem	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316	P_1782	Pb2203	S_1820	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**48.467**	**.02185**	**-.00029**	**-.02213**	**.00046**	**.00035**	**243.60**	**.00119**	**.00135**	**-.00024**	**5.0815**	**-.00348**
Stddev	.219	.00345	.00281	.00091	.00005	.00005	.09	.00031	.00016	.00114	.0122	.00064
%RSD	.45220	15.790	958.41	4.1272	10.248	15.104	.03688	26.166	11.556	479.07	.24089	18.293
#1	48.312	.02429	.00170	-.02148	.00043	.00038	243.66	.00141	.00124	-.00105	5.0902	-.00303
#2	48.621	.01941	-.00228	-.02277	.00049	.00031	243.54	.00097	.00147	.00057	5.0729	-.00393
Check ?	Chk Pass	None	None	None	None	None	Chk Pass	None	None	None	Chk Pass	None
Value												
Range												

Elem	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00075**	**.00256**	**.00547**	**.00229**	**.00036**	**5.1482**	**.00829**	**-.00023**	W **10.616**	**-.00468**	**.00193**	**-.05182**
Stddev	.00840	.02137	.04572	.00034	.00005	.0004	.00051	.00187	.032	.00048	.00019	.00032
%RSD	1121.2	835.37	835.37	14.933	12.921	.00713	6.1274	800.06	.29709	10.355	10.110	.61519
#1	.00669	.01767	.03781	.00204	.00040	5.1480	.00865	.00109	10.594	-.00434	.00179	-.05159
#2	-.00519	-.01255	-.02686	.00253	.00033	5.1485	.00793	-.00155	10.638	-.00502	.00207	-.05204
Check ?	None	None	None	None	None	Chk Pass	None	None	Chk Warn	None	None	None
Value									10.000			
Range									5.0000%			

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**3227.1**	**48435.**	**5418.4**
Stddev	7.7	207.	37.5
%RSD	.23779	.42659	.69239
#1	3232.5	48289.	5444.9
#2	3221.7	48581.	5391.9

Sample Name: CCV-1390955 Acquired: 5/1/2012 23:06:27 Type: QC
Method: 6500_025(v2) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.50773**	**.49306**	**1.0016**	**.48986**	**.49420**	**.46024**	**-.00553**	**4.6852**	**.50339**	**.49889**	**.50185**	**.52100**	**2.4158**
Stddev	.00048	.00308	.0027	.00068	.00132	.00021	.00014	.0061	.00008	.00104	.00182	.00023	.0135
%RSD	.09516	.62426	.27046	.13817	.26688	.04491	2.6142	.12926	.01530	.20748	.36219	.04340	.55963
#1	.50738	.49524	1.0035	.49034	.49327	.46039	-.00543	4.6895	.50344	.49962	.50313	.52084	2.4063
#2	.50807	.49088	.99966	.48938	.49514	.46010	-.00563	4.6809	.50333	.49815	.50056	.52116	2.4254
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**48.654**	**.95407**	**19.743**	**.50607**	**.49844**	**4.7770**	**.49767**	**.95500**	**1.0333**	**.03145**	**.97722**	**1.0135**	**4.5932**
Stddev	.094	.00223	.031	.00071	.00186	.0186	.00091	.00773	.0023	.00040	.00892	.0066	.0193
%RSD	.19362	.23333	.15554	.13936	.37280	.38989	.18350	.80904	.22456	1.2803	.91272	.65504	.42046
#1	48.588	.95249	19.765	.50657	.49975	4.7902	.49832	.96046	1.0317	.03173	.98352	1.0182	4.5796
#2	48.721	.95564	19.721	.50557	.49712	4.7638	.49703	.94953	1.0349	.03116	.97091	1.0088	4.6069
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**9.8295**	**.99970**	**.48767**	**.00068**	**.49132**	**1.0210**	**.02551**	**.50500**	**.51277**	**.49364**
Stddev	.0413	.00558	.00052	.00023	.00098	.0013	.02727	.00143	.00212	.00492
%RSD	.42046	.55853	.10731	33.796	.19963	.12608	106.88	.28300	.41277	.99751
#1	9.8003	1.0036	.48730	.00084	.49202	1.0201	.04480	.50399	.51427	.49016
#2	9.8587	.99575	.48804	.00052	.49063	1.0219	.00623	.50601	.51128	.49712
Check ?	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value										
Range										

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**3315.0**	**49797.**	**5415.5**
Stddev	4.8	.	6.5
%RSD	.14479	.00061	.11969
#1	3311.6	49797.	5410.9
#2	3318.4	49797.	5420.1

Sample Name: CCB Acquired: 5/1/2012 23:08:39 Type: QC
Method: 6500_025(v2) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00022**	**-.00021**	**-.00237**	W **.00574**	**.00018**	**.00016**	**-.00002**	**-.00056**	**.00006**	**-.00005**	**.00005**	**-.00091**
Stddev	.00038	.00019	.00022	.00061	.00003	.00000	.00094	.00037	.00005	.00016	.00008	.00010
%RSD	174.72	92.559	9.3011	10.677	17.474	2.6039	3881.9	65.092	94.177	332.88	174.11	11.297
#1	.00048	-.00034	-.00222	.00617	.00016	.00016	-.00069	-.00030	.00010	.00006	.00010	-.00098
#2	-.00005	-.00007	-.00253	.00530	.00020	.00016	.00064	-.00082	.00002	-.00016	-.00001	-.00083
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				.00437								
Low Limit				-.00437								

Elem	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00049**	**.02467**	**.00018**	**.00055**	**.00007**	**.00104**	**.08900**	**-.00059**	**.00064**	**-.00018**	**.02395**	**.00086**
Stddev	.00020	.01182	.00180	.00162	.00001	.00021	.00483	.00006	.00097	.00076	.00094	.00047
%RSD	40.630	47.940	1014.5	292.68	11.894	19.648	5.4233	9.6520	152.21	424.32	3.9442	55.042
#1	.00063	.03303	-.00109	.00170	.00006	.00090	.08559	-.00055	-.00005	-.00071	.02328	.00053
#2	.00035	.01630	.00145	-.00059	.00007	.00119	.09241	-.00063	.00133	.00036	.02461	.00120
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit												
Low Limit												

Elem	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00025**	**-.01241**	**-.02656**	**.00109**	**-.00008**	**-.00009**	**.00001**	**.00013**	**.01281**	**-.00028**	**.00213**	**.00039**
Stddev	.00012	.01026	.02195	.00036	.00007	.00072	.00014	.00078	.00577	.00015	.00017	.00002
%RSD	48.265	82.622	82.622	32.853	90.610	843.35	2735.6	600.72	45.029	52.995	7.9383	5.7633
#1	.00034	-.00516	-.01104	.00084	-.00003	.00042	-.00009	.00068	.00873	-.00017	.00225	.00037
#2	.00017	-.01966	-.04208	.00135	-.00013	-.00059	.00010	-.00042	.01689	-.00038	.00201	.00040
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit												
Low Limit												

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**3320.8**	**51057.**	**5371.3**
Stddev	1.3	106.	15.0
%RSD	.03903	.20857	.27904
#1	3321.7	50981.	5381.9
#2	3319.9	51132.	5360.7

Sample Name: CCVL1390952 Acquired: 5/1/2012 23:11:06 Type: QC
Method: 6500_025(v2) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01073**	**.10174**	**.01175**	**.09984**	**.00996**	**.00103**	**.11564**	**.19131**	**.00528**	**.01019**	**.01003**	**.01505**	**.09722**
Stddev	.00003	.00091	.00236	.00008	.00010	.00005	.00207	.00273	.00015	.00013	.00009	.00017	.00404
%RSD	.24084	.89756	20.122	.08407	1.0300	4.9573	1.7892	1.4272	2.8784	1.3138	.86446	1.1465	4.1599
#1	.01075	.10110	.01342	.09978	.00988	.00099	.11710	.18938	.00518	.01028	.00997	.01517	.09436
#2	.01072	.10239	.01007	.09990	.01003	.00106	.11417	.19324	.00539	.01009	.01009	.01492	.10008
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**3.0130**	**.00980**	**.20463**	**.01044**	**.01945**	**1.0563**	**.04007**	**2.7608**	**.00953**	**.01941**	**.00744**	**.01787**	**.44693**
Stddev	.0135	.00269	.00486	.00011	.00049	.0072	.00037	.0170	.00080	.00493	.00060	.00424	.01883
%RSD	.44949	27.469	2.3759	1.0409	2.4974	.68486	.92163	.61589	8.4093	25.388	8.0723	23.718	4.2129
#1	3.0226	.01170	.20120	.01051	.01911	1.0512	.03981	2.7728	.01010	.01592	.00702	.02087	.46024
#2	3.0035	.00789	.20807	.01036	.01980	1.0614	.04033	2.7488	.00896	.02289	.00787	.01487	.43361
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.95643**	**.10277**	**.00993**	**.01565**	**.01046**	**.01587**	F **.09657**	**.00919**	**.02219**	**.01446**
Stddev	.04029	.00035	.00001	.00043	.00031	.00006	.00189	.00019	.00002	.00027
%RSD	4.2129	.33953	.07950	2.7579	3.0003	.37238	1.9563	2.0518	.09878	1.9016
#1	.98492	.10302	.00992	.01596	.01069	.01591	.09790	.00932	.02221	.01426
#2	.92793	.10252	.00993	.01535	.01024	.01583	.09523	.00906	.02218	.01465
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
Value							.06000			
Range							30.000%			

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**3410.8**	**51873.**	**5499.0**
Stddev	3.3	206.	15.1
%RSD	.09590	.39800	.27497
#1	3413.2	51727.	5488.3
#2	3408.5	52019.	5509.7

Sample Name: MB 280-117484/1-A Acquired: 5/1/2012 23:13:30 Type: Unk
Method: 6500_025(v2) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 117484 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00080**	**.00189**	**.00058**	**.00489**	**.00033**	**.00011**	**-.00352**	**.00703**	**.00020**	**-.00011**
Stddev	.00011	.00012	.00042	.00028	.00003	.00002	.00013	.00197	.00006	.00009
%RSD	13.735	6.2734	72.208	5.6849	7.8851	15.957	3.7454	28.042	29.235	83.161
#1	.00072	.00198	.00088	.00470	.00035	.00010	-.00343	.00563	.00025	-.00017
#2	.00087	.00181	.00029	.00509	.00032	.00013	-.00362	.00842	.00016	-.00004
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00007**	**-.00104**	**.00512**	**.02087**	**-.00064**	**.00083**	**.00007**	**.00007**	**.09578**	**-.00053**
Stddev	.00013	.00026	.00010	.02901	.00105	.00196	.00003	.00015	.01098	.00005
%RSD	191.98	25.371	1.9385	138.99	164.33	235.80	37.884	225.33	11.459	10.046
#1	-.00016	-.00123	.00505	.04138	.00010	-.00055	.00005	-.00004	.08802	-.00050
#2	.00002	-.00085	.00519	.00036	-.00138	.00222	.00009	.00018	.10354	-.00057
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00117**	**.00041**	F **.02175**	**-.00374**	**-.00426**	F **-.01786**	**-.03822**	**.00018**	**.00000**	**.00035**
Stddev	.00190	.00003	.00406	.00061	.00357	.00142	.00303	.00058	.0000	.00025
%RSD	161.89	7.8819	18.674	16.365	83.821	7.9328	7.9328	316.71	480.62	72.801
#1	.00251	.00038	.02462	-.00418	-.00173	-.01886	-.04037	.00059	.00001	.00053
#2	-.00017	.00043	.01888	-.00331	-.00678	-.01686	-.03608	-.00023	-.00001	.00017
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Fail	None	Chk Pass	Chk Pass	Chk Pass
High Limit			.01000			.01000				
Low Limit			-.01000			-.01000				

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00024**	**-.00006**	**.03454**	**-.00060**	**.00158**	**.00114**
Stddev	.00039	.00101	.00421	.00035	.00038	.00024
%RSD	163.16	1782.5	12.198	58.822	24.378	20.809
#1	-.00004	-.00077	.03751	-.00035	.00131	.00131
#2	.00052	.00066	.03156	-.00084	.00185	.00097
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**3386.3**	**51975.**	**5547.4**
Stddev	1.4	161.	26.8
%RSD	.04275	.30954	.48232
#1	3385.2	52088.	5566.4
#2	3387.3	51861.	5528.5

Sample Name: LCS 280-117484/2-A Acquired: 5/1/2012 23:15:55 Type: Unk
Method: 6500_025(v2) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 117484 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.05085**	**1.8396**	**1.0132**	**.97007**	**1.9557**	**.04638**	**2.1039**	**45.758**	**.09999**	**.48466**
Stddev	.00003	.0009	.0071	.00167	.0006	.00011	.0014	.091	.00015	.00112
%RSD	.05807	.04761	.70318	.17179	.03309	.24139	.06509	.19832	.15025	.23142
#1	.05083	1.8402	1.0182	.96889	1.9553	.04630	2.1029	45.694	.09989	.48545
#2	.05087	1.8390	1.0081	.97125	1.9562	.04646	2.1049	45.822	.10010	.48386
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.19823**	**.26228**	F **1.7324**	**48.518**	**.95315**	**48.605**	**.50877**	**1.0057**	**50.247**	**.48414**
Stddev	.00004	.00119	.0065	.078	.00114	.213	.00162	.0001	.099	.00123
%RSD	.02017	.45452	.37706	.16078	.11931	.43793	.31819	.00650	.19630	.25484
#1	.19826	.26144	1.7370	48.463	.95395	48.455	.50762	1.0057	50.317	.48501
#2	.19820	.26312	1.7278	48.573	.95234	48.756	.50991	1.0058	50.177	.48326
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit			1.1400							
Low Limit			.88000							

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**9.6857**	**.49193**	**.03619**	**.48196**	**2.0239**	F **9.3009**	F **19.904**	**1.9780**	**.97782**	**1.0284**
Stddev	.0081	.00018	.00048	.00136	.0050	.0178	.038	.0026	.00015	.0027
%RSD	.08318	.03686	1.3345	.28272	.24792	.19180	.19180	.13094	.01535	.25985
#1	9.6800	.49180	.03653	.48293	2.0275	9.2883	19.877	1.9798	.97771	1.0265
#2	9.6914	.49205	.03585	.48100	2.0204	9.3135	19.931	1.9762	.97793	1.0303
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Fail	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit						11.500	24.610			
Low Limit						9.4000	20.100			

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.99645**	**1.9693**	**2.2003**	**.50892**	**.50735**	**.48118**
Stddev	.00478	.0007	.0588	.00146	.00443	.00065
%RSD	.47957	.03446	2.6734	.28757	.87308	.13599
#1	.99307	1.9698	2.1587	.50789	.50422	.48164
#2	.99983	1.9688	2.2419	.50996	.51048	.48072
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**3238.8**	**48937.**	**5499.5**
Stddev	.6	89.	15.2
%RSD	.01801	.18111	.27628
#1	3238.4	49000.	5510.2
#2	3239.2	48875.	5488.7

Sample Name: 280-28267-D-1-A Acquired: 5/1/2012 23:18:06 Type: Unk
Method: 6500_025(v2) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 117484 6010B

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00035**	W **2.9740**	**.00081**	**.07743**	**.03991**	**.00020**	**-.00412**	**149.95**	**.00068**	**.00150**
Stddev	.00025	.0316	.00057	.00059	.00012	.00004	.00196	.35	.00004	.00014
%RSD	70.808	1.0615	70.731	.76320	.29990	19.087	47.613	.23248	6.5542	9.3337
#1	.00053	2.9963	.00041	.07785	.03999	.00017	-.00273	150.20	.00071	.00159
#2	.00017	2.9517	.00122	.07701	.03982	.00023	-.00551	149.71	.00065	.00140
Check ?	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit		500.00								
Low Limit		3.2000								

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00798**	**.00304**	**4.5298**	**3.5310**	**.05298**	**49.736**	**.12736**	**.00215**	**344.56**	**.00445**
Stddev	.00007	.00017	.0088	.0133	.00173	.017	.00036	.00029	.55	.00017
%RSD	.84840	5.5148	.19317	.37792	3.2688	.03356	.28234	13.540	.15839	3.8979
#1	.00794	.00316	4.5360	3.5215	.05420	49.748	.12710	.00194	344.95	.00433
#2	.00803	.00292	4.5236	3.5404	.05175	49.724	.12761	.00235	344.17	.00457
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.08543**	**.00159**	F **230.04**	**-.00164**	**.24016**	**14.378**	**30.769**	**.00025**	**.77979**	**.00100**
Stddev	.00525	.00375	.52	.00072	.00367	.048	.104	.00123	.00178	.00151
%RSD	6.1432	235.74	.22503	44.117	1.5272	.33655	.33655	501.73	.22779	151.34
#1	.08172	.00425	229.67	-.00215	.23757	14.412	30.842	.00112	.78105	-.00007
#2	.08914	-.00106	230.40	-.00113	.24276	14.344	30.696	-.00063	.77853	.00206
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit			200.00							
Low Limit			-.20000							

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.05763**	**.00257**	**.01886**	**.00568**	**.01431**	**.00213**
Stddev	.00401	.00004	.02598	.00013	.00020	.00186
%RSD	6.9644	1.5121	137.78	2.3777	1.4144	87.058
#1	.05479	.00260	.03723	.00577	.01417	.00344
#2	.06046	.00255	.00048	.00558	.01445	.00082
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**3102.9**	**47331.**	**5405.5**
Stddev	4.5	146.	12.1
%RSD	.14379	.30818	.22367
#1	3106.1	47228.	5414.1
#2	3099.8	47434.	5397.0

Sample Name: sd 280-28267-D-1-A@5 Acquired: 5/1/2012 23:20:33 Type: Unk
Method: 6500_025(v2) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 117484 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00049**	**.65403**	**-.00273**	**.01918**	**.00822**	**.00006**	**-.00187**	**30.446**	**.00040**	**.00025**
Stddev	.00037	.00607	.00125	.00032	.00004	.00004	.00006	.256	.00019	.00019
%RSD	74.305	.92817	45.886	1.6771	.52705	60.412	3.3745	.84022	48.337	78.737
#1	.00023	.65832	-.00362	.01895	.00825	.00009	-.00182	30.627	.00026	.00011
#2	.00075	.64974	-.00185	.01941	.00819	.00004	-.00191	30.265	.00054	.00038
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00194**	**-.00024**	**.92135**	**.76522**	**.01338**	**10.290**	**.02612**	**.00015**	**69.927**	**.00029**
Stddev	.00027	.00064	.00823	.00170	.00043	.003	.00014	.00024	.684	.00007
%RSD	13.748	271.86	.89313	.22249	3.1942	.03067	.52153	158.11	.97805	22.296
#1	.00213	-.00069	.92717	.76401	.01308	10.292	.02602	.00032	70.410	.00025
#2	.00175	.00022	.91553	.76642	.01368	10.287	.02621	-.00002	69.443	.00034
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01587**	**.00045**	**45.315**	**-.00381**	**.04533**	**2.9821**	**6.3816**	**.00008**	**.15623**	**.00043**
Stddev	.00592	.00010	.062	.00204	.00311	.0220	.0471	.00042	.00109	.00060
%RSD	37.285	22.023	.13671	53.441	6.8652	.73789	.73789	525.69	.70035	137.95
#1	.02006	.00052	45.271	-.00525	.04753	2.9976	6.4149	-.00022	.15700	.00001
#2	.01169	.00038	45.359	-.00237	.04313	2.9665	6.3483	.00038	.15545	.00086
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01288**	**.00142**	**-.01295**	**.00081**	**.00588**	**.00019**
Stddev	.00173	.00143	.01612	.00053	.00014	.00161
%RSD	13.396	100.70	124.44	65.106	2.4416	833.01
#1	.01410	.00041	-.00156	.00044	.00578	-.00094
#2	.01166	.00243	-.02435	.00119	.00598	.00133
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**3261.0**	**49916.**	**5394.7**
Stddev	9.6	106.	9.1
%RSD	.29541	.21144	.16935
#1	3267.8	49991.	5388.2
#2	3254.1	49841.	5401.2

Sample Name: 280-28267-D-1-B MS Acquired: 5/1/2012 23:22:55 Type: Unk
Method: 6500_025(v2) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 117484 6010B

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.05242**	**7.3390**	**1.0438**	**1.0149**	**1.9980**	**.04603**	F **2.0450**	**195.33**	**.10073**	**.47027**
Stddev	.00025	.0466	.0001	.0055	.0123	.00027	.0091	1.24	.00026	.00080
%RSD	.47546	.63463	.00458	.53839	.61525	.58300	.44634	.63583	.25925	.16979
#1	.05224	7.3719	1.0438	1.0187	2.0066	.04622	2.0515	196.20	.10091	.47084
#2	.05260	7.3060	1.0438	1.0110	1.9893	.04584	2.0386	194.45	.10054	.46971
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit							.10000			
Low Limit							-.10000			

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.20457**	**.26028**	**5.7052**	**53.486**	**1.0238**	**97.984**	**.61633**	**.99929**	**396.56**	**.47138**
Stddev	.00026	.00002	.0285	.249	.0093	.473	.00315	.00105	2.77	.00012
%RSD	.12823	.00736	.49938	.46603	.90863	.48233	.51069	.10528	.69779	.02445
#1	.20475	.26030	5.7253	53.663	1.0304	97.649	.61411	1.0000	398.51	.47146
#2	.20438	.26027	5.6851	53.310	1.0172	98.318	.61856	.99855	394.60	.47130
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **10.074**	**.46857**	F **232.83**	**.48309**	**2.2925**	**27.589**	**59.041**	**1.9147**	**1.7645**	**1.0214**
Stddev	.047	.00264	.76	.00157	.0231	.091	.194	.0021	.0104	.0058
%RSD	.46815	.56378	.32431	.32594	1.0068	.32932	.32932	.10949	.58806	.56572
#1	10.107	.46670	233.36	.48197	2.3089	27.653	59.178	1.9162	1.7718	1.0174
#2	10.040	.47043	232.29	.48420	2.2762	27.525	58.903	1.9132	1.7572	1.0255
Check ?	Chk Warn	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	2.0000		200.00							
Low Limit	-1.0000		-.20000							

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.0647**	**1.7784**	**2.1564**	**.51626**	**.50825**	**.48495**
Stddev	.0056	.0025	.0074	.00031	.00033	.00642
%RSD	.52520	.14152	.34409	.05966	.06484	1.3246
#1	1.0607	1.7801	2.1616	.51604	.50849	.48949
#2	1.0687	1.7766	2.1511	.51648	.50802	.48041
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**3021.1**	**45968.**	**5360.4**
Stddev	2.4	259.	23.3
%RSD	.08004	.56389	.43434
#1	3019.4	46152.	5343.9
#2	3022.8	45785.	5376.8

Sample Name: 280-28267-D-1-C MSD Acquired: 5/1/2012 23:25:09 Type: Unk
Method: 6500_025(v2) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 117484 6010B

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.05215**	**7.0451**	**1.0526**	**1.0238**	**2.0073**	**.04605**	F **2.0622**	**193.85**	**.10167**	**.47379**
Stddev	.00008	.0470	.0075	.0008	.0037	.00011	.0102	1.01	.00004	.00028
%RSD	.14634	.66682	.71549	.08157	.18484	.23963	.49674	.52056	.03859	.05915
#1	.05220	7.0119	1.0473	1.0244	2.0047	.04597	2.0550	193.14	.10164	.47399
#2	.05210	7.0783	1.0580	1.0232	2.0099	.04612	2.0695	194.56	.10170	.47360
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit							.10000			
Low Limit							-.10000			

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.20594**	**.26050**	**5.4189**	**53.559**	**1.0240**	**98.036**	**.61488**	**1.0051**	**394.09**	**.47285**
Stddev	.00160	.00005	.0173	.149	.0022	.255	.00099	.0024	1.38	.00198
%RSD	.77556	.01758	.31888	.27827	.21513	.25973	.16040	.24070	.34954	.41852
#1	.20481	.26054	5.4067	53.453	1.0224	97.856	.61418	1.0034	393.12	.47145
#2	.20707	.26047	5.4311	53.664	1.0255	98.216	.61558	1.0068	395.06	.47425
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **10.146**	**.47143**	F **231.85**	**.48578**	**2.2979**	**27.005**	**57.791**	**1.9282**	**1.7648**	**1.0250**
Stddev	.009	.00341	.10	.00119	.0036	.087	.186	.0095	.0020	.0001
%RSD	.08775	.72324	.04448	.24462	.15446	.32247	.32247	.49181	.11192	.01088
#1	10.153	.46902	231.77	.48662	2.2954	26.944	57.660	1.9215	1.7634	1.0249
#2	10.140	.47384	231.92	.48494	2.3004	27.067	57.923	1.9349	1.7662	1.0251
Check ?	Chk Warn	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	2.0000		200.00							
Low Limit	-1.0000		-.20000							

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.0715**	**1.7844**	**2.1845**	**.51686**	**.51345**	**.48621**
Stddev	.0060	.0030	.0253	.00176	.00445	.00012
%RSD	.56201	.17058	1.1593	.34131	.86721	.02369
#1	1.0758	1.7865	2.1666	.51561	.51030	.48613
#2	1.0673	1.7822	2.2024	.51811	.51660	.48630
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**3021.2**	**45952.**	**5385.0**
Stddev	6.4	111.	11.7
%RSD	.21150	.24210	.21729
#1	3025.7	46031.	5393.3
#2	3016.7	45873.	5376.7

Sample Name: 280-28283-A-8-A Acquired: 5/1/2012 23:27:24 Type: Unk
Method: 6500_025(v2) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 117484 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00015**	**.88637**	**.01785**	**.01516**	**.15213**	**.00020**	**-.00477**	**3.9964**	**.00035**	**.00020**
Stddev	.00047	.00586	.00242	.00055	.00040	.00007	.00003	.0160	.00019	.00018
%RSD	315.13	.66068	13.572	3.5978	.26402	32.502	.52661	.39956	53.254	90.401
#1	-.00019	.88223	.01956	.01554	.15241	.00016	-.00475	4.0077	.00022	.00007
#2	.00049	.89051	.01614	.01477	.15185	.00025	-.00479	3.9852	.00048	.00033
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00102**	**-.00012**	**7.4867**	**1.5154**	**.00690**	**3.7508**	**.05853**	**.00122**	**27.490**	**.00074**
Stddev	.00003	.00030	.0412	.0196	.00086	.0089	.00026	.00055	.177	.00015
%RSD	3.1573	249.05	.54976	1.2915	12.437	.23598	.44448	44.865	.64433	20.683
#1	.00100	-.00033	7.5158	1.5292	.00629	3.7570	.05872	.00083	27.365	.00084
#2	.00104	.00009	7.4576	1.5016	.00750	3.7445	.05835	.00160	27.615	.00063
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.11829**	**.00115**	**.32975**	**-.00208**	**.00135**	**37.220**	**79.651**	**.00021**	**.12383**	**.00106**
Stddev	.00013	.00031	.00041	.00043	.00287	.021	.044	.00104	.00107	.00080
%RSD	.11374	27.112	.12474	20.486	213.19	.05529	.05529	503.65	.86178	75.896
#1	.11819	.00136	.32946	-.00238	-.00068	37.235	79.682	-.00053	.12459	.00162
#2	.11838	.00093	.33004	-.00178	.00338	37.206	79.620	.00094	.12308	.00049
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.02851**	**.00348**	**.00285**	**.00049**	**.00468**	**.00004**
Stddev	.00244	.00141	.02325	.00024	.00008	.00117
%RSD	8.5474	40.449	816.41	49.041	1.8105	2783.1
#1	.03023	.00249	-.01359	.00032	.00462	-.00079
#2	.02679	.00448	.01929	.00066	.00474	.00087
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**3349.7**	**50835.**	**5565.3**
Stddev	4.8	32.	2.1
%RSD	.14347	.06307	.03777
#1	3346.3	50858.	5566.8
#2	3353.1	50813.	5563.8

Sample Name: 280-28283-A-9-A Acquired: 5/1/2012 23:29:46 Type: Unk
Method: 6500_025(v2) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 117484 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00053**	**1.4256**	**-.00014**	**.01447**	**.04838**	**.00034**	**-.00829**	**.78537**	**.00044**	**-.00023**
Stddev	.00010	.0020	.00209	.00000	.00017	.00004	.00082	.00457	.00019	.00010
%RSD	19.226	.13894	1510.8	.02982	.34421	12.652	9.8578	.58191	43.361	41.356
#1	.00046	1.4270	.00134	.01446	.04826	.00037	-.00887	.78213	.00057	-.00030
#2	.00060	1.4242	-.00162	.01447	.04850	.00031	-.00771	.78860	.00030	-.00016
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Na8183
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	818.326 { 41}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00236**	**-.00027**	**.44486**	**1.3297**	**.00851**	**.68289**	**.00934**	**-.00024**	**10.046**	**11.116**
Stddev	.00012	.00009	.00341	.0416	.00042	.00389	.00005	.00037	.053	.021
%RSD	5.0631	32.641	.76754	3.1264	4.9865	.56973	.51826	158.59	.52292	.19343
#1	.00244	-.00033	.44244	1.3003	.00821	.68014	.00931	-.00050	10.009	11.101
#2	.00227	-.00021	.44727	1.3591	.00881	.68565	.00937	.00003	10.083	11.131
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077
Line	231.604 {446}	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00018**	**.01823**	**.00081**	**.75850**	**-.00199**	**.00075**	**34.955**	**74.804**	**.00056**	**.02965**
Stddev	.00026	.00060	.00036	.00055	.00104	.00215	.293	.627	.00141	.00032
%RSD	145.87	3.3103	44.426	.07274	52.404	285.55	.83849	.83849	253.75	1.0796
#1	.00036	.01781	.00107	.75811	-.00125	.00227	34.748	74.361	.00156	.02987
#2	-.00001	.01866	.00056	.75889	-.00273	-.00077	35.163	75.248	-.00044	.02942
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	283.730 {119}	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00204**	**.02392**	**.00039**	**.01949**	**.00206**	**.00432**	**.00087**
Stddev	.00011	.00010	.00228	.00758	.00004	.00017	.00140
%RSD	5.3817	.39994	579.30	38.890	2.1462	3.8939	160.89
#1	.00196	.02399	.00201	.02485	.00209	.00444	-.00012
#2	.00212	.02385	-.00122	.01413	.00203	.00421	.00186
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**3371.5**	**51769.**	**5570.8**
Stddev	10.4	27.	25.6
%RSD	.30894	.05228	.45888
#1	3378.9	51788.	5588.8
#2	3364.2	51750.	5552.7

Sample Name: 280-28283-A-10-A Acquired: 5/1/2012 23:32:08 Type: Unk
Method: 6500_025(v2) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 117484 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00034**	**.18325**	**-.00283**	**.01069**	**.04884**	**.00038**	**-.00486**	**1.0383**	**.00034**	**.00140**
Stddev	.00021	.00165	.00302	.00056	.00032	.00002	.00151	.0025	.00003	.00007
%RSD	61.425	.90212	106.68	5.2028	.66093	6.4114	31.166	.24307	8.8380	4.7278
#1	.00019	.18442	-.00496	.01108	.04906	.00036	-.00593	1.0401	.00036	.00136
#2	.00048	.18208	-.00069	.01029	.04861	.00040	-.00379	1.0365	.00032	.00145
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00028**	**-.00026**	**.22751**	**1.5846**	**.00256**	**.88399**	**.00564**	**-.00007**	**7.6420**	**.00207**
Stddev	.00010	.00055	.00320	.0427	.00004	.00116	.00007	.00043	.0813	.00012
%RSD	37.336	212.99	1.4053	2.6943	1.7106	.13156	1.2665	615.87	1.0635	5.6203
#1	.00021	-.00064	.22978	1.5544	.00253	.88481	.00569	-.00038	7.6995	.00215
#2	.00035	.00013	.22525	1.6148	.00259	.88317	.00559	.00024	7.5845	.00199
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01083**	**-.00033**	**.33528**	**-.00149**	**.00009**	**22.026**	**47.136**	**-.00055**	**.03308**	**.00104**
Stddev	.00162	.00098	.00023	.00094	.00073	.178	.380	.00017	.00015	.00001
%RSD	14.959	300.57	.06784	62.832	794.55	.80657	.80657	31.087	.44451	.63722
#1	.00968	.00037	.33512	-.00083	-.00043	22.152	47.404	-.00067	.03318	.00103
#2	.01198	-.00102	.33544	-.00215	.00061	21.900	46.867	-.00043	.03297	.00104
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00175**	**.00118**	**.00586**	**-.00060**	**.00609**	**-.00028**
Stddev	.00017	.00164	.01855	.00035	.00017	.00019
%RSD	9.6057	139.49	316.60	59.193	2.8527	65.627
#1	.00187	.00234	.01897	-.00035	.00597	-.00015
#2	.00163	.00002	-.00726	-.00085	.00622	-.00042
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**3358.4**	**51175.**	**5520.9**
Stddev	.3	71.	5.1
%RSD	.00796	.13928	.09198
#1	3358.2	51225.	5517.3
#2	3358.6	51124.	5524.5

Sample Name: 280-28283-A-11-A Acquired: 5/1/2012 23:34:32 Type: Unk
Method: 6500_025(v2) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 117484 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00006**	**.05384**	**-.00607**	**.01246**	**.02828**	**.00011**	**-.00613**	**.97518**	**.00043**	**-.00040**
Stddev	.00019	.00053	.00376	.00089	.00052	.00002	.00348	.00394	.00017	.00007
%RSD	314.18	.99156	61.923	7.1444	1.8501	20.365	56.811	.40433	40.434	18.136
#1	-.00008	.05346	-.00341	.01183	.02791	.00010	-.00859	.97240	.00031	-.00045
#2	.00020	.05422	-.00873	.01309	.02865	.00013	-.00367	.97797	.00055	-.00034
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00172**	**-.00066**	**.05448**	**1.5598**	**.00652**	**.54696**	**.00166**	**.00013**	**6.3400**	**-.00002**
Stddev	.00027	.00002	.00162	.0069	.00167	.00100	.00005	.00022	.0242	.00005
%RSD	15.692	3.3695	2.9785	.44303	25.667	.18259	3.0944	165.21	.38226	209.72
#1	.00191	-.00067	.05333	1.5549	.00771	.54625	.00170	-.00002	6.3229	.00001
#2	.00153	-.00064	.05563	1.5647	.00534	.54766	.00163	.00028	6.3571	-.00006
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01485**	**.00104**	**.64045**	**-.00067**	**.00159**	**20.683**	**44.262**	**.00033**	**.04138**	**-.00048**
Stddev	.00085	.00208	.01050	.00039	.00192	.158	.337	.00115	.00051	.00030
%RSD	5.7220	200.82	1.6399	57.907	121.18	.76190	.76190	353.34	1.2263	61.818
#1	.01545	-.00043	.63302	-.00040	.00023	20.572	44.023	-.00049	.04102	-.00069
#2	.01424	.00251	.64787	-.00094	.00294	20.795	44.500	.00114	.04174	-.00027
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00162**	**-.00020**	**.02945**	**-.00039**	**.00237**	**.00182**
Stddev	.00024	.00118	.00559	.00041	.00036	.00043
%RSD	15.093	599.94	18.969	105.72	15.288	23.821
#1	.00145	-.00103	.03340	-.00010	.00211	.00151
#2	.00179	.00064	.02550	-.00068	.00263	.00212
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**3376.9**	**51487.**	**5531.3**
Stddev	5.9	55.	30.8
%RSD	.17443	.10693	.55686
#1	3372.8	51526.	5553.1
#2	3381.1	51448.	5509.5

Sample Name: CCVH-1390999 Acquired: 5/1/2012 23:36:55 Type: QC
Method: 6500_025(v2) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2714
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00105**	**47.597**	**-.00192**	**.00488**	**.00046**	**.00005**	**.99942**	**.00164**	**.00008**	**.00009**	**.00042**	**-.00497**	**47.401**
Stddev	.00027	.283	.00088	.00056	.00004	.00001	.00477	.00209	.00023	.00030	.00002	.00024	.302
%RSD	25.286	.59361	45.998	11.460	9.3836	23.827	.47732	127.78	284.19	319.89	3.6469	4.7649	.63757
#1	-.00087	47.796	-.00254	.00448	.00049	.00006	1.0028	.00312	.00025	-.00012	.00041	-.00480	47.615
#2	-.00124	47.397	-.00129	.00527	.00043	.00004	.99605	.00016	-.00008	.00030	.00043	-.00514	47.188
Check ?	None	Chk Pass	None	None	None	None	Chk Pass	None	None	None	None	None	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.05402**	**.00123**	**-.01979**	**.00014**	**.00064**	**240.07**	**.00111**	**-.00019**	**.00077**	**4.9396**	**-.00438**	**.00993**	**.01148**
Stddev	.03337	.00132	.00231	.00002	.00021	.74	.00017	.00125	.00151	.0217	.00061	.00165	.00521
%RSD	61.783	106.94	11.685	15.560	32.380	.30739	14.983	664.71	196.51	.43881	13.985	16.601	45.360
#1	.07762	.00030	-.01815	.00013	.00079	240.60	.00100	.00070	.00184	4.9549	-.00482	.01110	.00780
#2	.03042	.00216	-.02142	.00016	.00049	239.55	.00123	-.00107	-.00030	4.9242	-.00395	.00877	.01516
Check ?	None	None	None	None	None	Chk Pass	None	None	None	Chk Pass	None	None	None
Value													
Range													

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.02457**	**.00141**	**.00034**	**5.0600**	**.00824**	**.00404**	**10.464**	**-.00485**	**.00056**	**-.05151**
Stddev	.01115	.00024	.00002	.0430	.00018	.00013	.070	.00015	.00001	.00343
%RSD	45.360	17.254	6.2829	.85039	2.1314	3.1070	.66660	3.1057	2.6436	6.6620
#1	.01669	.00124	.00036	5.0904	.00812	.00395	10.513	-.00495	.00057	-.05394
#2	.03245	.00158	.00033	5.0296	.00837	.00413	10.415	-.00474	.00055	-.04908
Check ?	None	None	None	Chk Pass	None	None	Chk Pass	None	None	None
Value										
Range										

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**3237.5**	**48635.**	**5415.0**
Stddev	1.2	359.	33.3
%RSD	.03786	.73803	.61575
#1	3236.6	48382.	5391.4
#2	3238.3	48889.	5438.6

Sample Name: CCV-1390955 Acquired: 5/1/2012 23:39:15 Type: QC
Method: 6500_025(v2) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.50106**	**.48400**	**.97991**	**.47532**	**.48735**	**.45176**	**-.00215**	**4.5964**	**.49304**	**.48835**	**.49165**	**.51450**	**2.3754**
Stddev	.00027	.00196	.00460	.00084	.00388	.00481	.00151	.0556	.00034	.00021	.00063	.00215	.0186
%RSD	.05347	.40425	.46972	.17625	.79713	1.0645	70.457	1.2085	.06874	.04315	.12757	.41831	.78422
#1	.50087	.48262	.98317	.47473	.49010	.45516	-.00322	4.6356	.49280	.48820	.49120	.51298	2.3886
#2	.50125	.48539	.97666	.47591	.48460	.44836	-.00108	4.5571	.49328	.48850	.49209	.51602	2.3622
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**48.030**	**.94411**	**19.283**	**.49732**	**.48906**	**4.7851**	**.48523**	**.92679**	**1.0085**	**.02824**	**.95119**	**.98835**	**4.5784**
Stddev	.326	.00501	.070	.00157	.00091	.0599	.00129	.00309	.0036	.00345	.00310	.00572	.0183
%RSD	.67885	.53064	.36450	.31479	.18626	1.2509	.26583	.33303	.35261	12.202	.32600	.57923	.40021
#1	48.261	.94766	19.233	.49621	.48841	4.8275	.48432	.92897	1.0060	.03068	.94900	.99240	4.5914
#2	47.800	.94057	19.332	.49843	.48970	4.7428	.48614	.92461	1.0110	.02580	.95338	.98430	4.5655
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**9.7978**	**.97971**	**.48042**	**-.00118**	**.48149**	**.99984**	**.04012**	**.49394**	**.50238**	**.48328**
Stddev	.0392	.00270	.00413	.00092	.00100	.00707	.02988	.00146	.00181	.00265
%RSD	.40021	.27600	.86066	78.146	.20846	.70694	74.476	.29569	.36087	.54929
#1	9.8255	.97779	.48335	-.00053	.48078	.99484	.01899	.49291	.50110	.48516
#2	9.7701	.98162	.47750	-.00183	.48220	1.0048	.06124	.49498	.50367	.48140
Check ?	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value										
Range										

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**3305.5**	**50157.**	**5430.7**
Stddev	5.7	182.	51.5
%RSD	.17241	.36361	.94872
#1	3309.5	50286.	5394.3
#2	3301.4	50028.	5467.2

Sample Name: CCB Acquired: 5/1/2012 23:41:28 Type: QC
Method: 6500_025(v2) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00028**	**.00081**	**-.00087**	**.00382**	**.00036**	**.00019**	**-.00041**	**.00280**	**.00002**	**-.00017**	**.00006**	**-.00100**
Stddev	.00009	.00049	.00304	.00085	.00003	.00003	.00134	.00026	.00002	.00016	.00007	.00030
%RSD	32.507	60.420	351.43	22.124	8.0472	13.891	323.50	9.4428	93.371	91.910	119.38	30.159
#1	.00034	.00115	-.00302	.00442	.00034	.00017	-.00136	.00299	.00001	-.00029	.00011	-.00079
#2	.00021	.00046	.00129	.00322	.00038	.00021	.00053	.00261	.00004	-.00006	.00001	-.00122
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit												
Low Limit												

Elem	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00173**	**.05909**	W **.00277**	**.00506**	**.00014**	**.00048**	W **.13298**	**-.00079**	**.00253**	**-.00064**	**.02193**	**-.00112**
Stddev	.00284	.01255	.00285	.00319	.00002	.00032	.01080	.00004	.00174	.00165	.00340	.00123
%RSD	164.11	21.243	102.79	62.950	14.383	66.827	8.1188	5.1093	68.566	258.60	15.508	110.49
#1	.00374	.06797	.00076	.00732	.00015	.00025	.14061	-.00076	.00131	-.00181	.02433	-.00024
#2	-.00028	.05022	.00479	.00281	.00012	.00071	.12534	-.00082	.00376	.00053	.01952	-.00199
Check ?	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit			.00261				.09160					
Low Limit			-.00261				-.09160					

Elem	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00080**	**-.01141**	**-.02442**	**.00137**	**.00017**	**.00183**	**-.00001**	**-.00069**	**-.00492**	**-.00044**	**.00264**	**.00061**
Stddev	.00112	.00262	.00561	.00086	.00001	.00129	.00022	.00126	.02258	.00001	.00081	.00043
%RSD	140.02	22.966	22.966	62.654	5.6255	70.236	2280.9	184.34	459.00	2.4280	30.654	70.740
#1	.00001	-.00956	-.02046	.00198	.00018	.00274	.00015	.00021	.01105	-.00045	.00207	.00030
#2	.00159	-.01327	-.02839	.00076	.00016	.00092	-.00016	-.00158	-.02088	-.00043	.00321	.00091
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit												
Low Limit												

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**3314.2**	**50654.**	**5388.0**
Stddev	16.1	4.	21.4
%RSD	.48689	.00694	.39699
#1	3325.7	50656.	5403.1
#2	3302.8	50651.	5372.9

Sample Name: CCVL1390952 Acquired: 5/1/2012 23:43:53 Type: QC
Method: 6500_025(v2) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01096**	**.10108**	F **.00987**	**.09741**	**.01004**	**.00096**	**.11254**	**.18254**	**.00509**	**.01010**	**.01022**	**.01511**	**.09513**
Stddev	.00017	.00033	.00263	.00053	.00006	.00006	.00342	.00257	.00001	.00039	.00027	.00035	.00124
%RSD	1.5595	.32931	26.696	.54760	.57912	6.4774	3.0430	1.4053	.21996	3.8191	2.6598	2.3180	1.3009
#1	.01084	.10085	.01173	.09779	.01000	.00100	.11496	.18073	.00508	.01038	.01003	.01486	.09601
#2	.01108	.10132	.00800	.09704	.01008	.00092	.11012	.18435	.00510	.00983	.01042	.01536	.09426
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value			.01500										
Range			-30.000%										

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**2.9973**	F **.01303**	**.20407**	**.01049**	**.01950**	**1.0605**	**.04000**	**2.7256**	**.00910**	**.01578**	F **.00655**	**.01451**	**.42507**
Stddev	.0004	.00111	.00185	.00016	.00002	.0235	.00010	.0065	.00026	.00069	.00204	.00178	.00382
%RSD	.01295	8.5406	.90567	1.5626	.10497	2.2158	.24524	.23913	2.8854	4.3547	31.213	12.251	.89897
#1	2.9976	.01382	.20276	.01038	.01952	1.0439	.04007	2.7209	.00928	.01626	.00510	.01576	.42237
#2	2.9971	.01225	.20538	.01061	.01949	1.0771	.03993	2.7302	.00891	.01529	.00799	.01325	.42777
Check ?	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Fail	Chk Pass	Chk Pass
Value		.01000									.01000		
Range		30.000%									-30.000%		

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.90965**	**.10235**	**.00973**	**.01600**	**.00961**	**.01757**	**.07356**	**.00956**	**.02212**	**.01412**
Stddev	.00818	.00133	.00012	.00019	.00005	.00041	.03479	.00018	.00045	.00047
%RSD	.89897	1.2996	1.2377	1.2026	.52666	2.3174	47.298	1.9231	2.0435	3.3096
#1	.90387	.10141	.00964	.01587	.00964	.01786	.09816	.00943	.02180	.01445
#2	.91543	.10329	.00981	.01614	.00957	.01729	.04896	.00969	.02243	.01379
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value										
Range										

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**3391.9**	**51511.**	**5520.7**
Stddev	7.8	564.	50.9
%RSD	.23127	1.0950	.92289
#1	3386.4	51910.	5556.7
#2	3397.5	51112.	5484.6

Sample Name: 280-28286-B-1-A Acquired: 5/1/2012 23:46:17 Type: Unk
Method: 6500_025(v2) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 117484 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00059**	**.03419**	**-.00435**	**1.0770**	**.04281**	**.00011**	**-.00013**	**130.58**	**.00111**	**.00216**
Stddev	.00076	.00029	.00699	.0001	.00012	.00006	.00014	1.12	.00000	.00016
%RSD	128.85	.84050	160.83	.00805	.28219	53.942	109.00	.86113	.13236	7.3352
#1	.00005	.03399	-.00929	1.0769	.04272	.00015	-.00003	129.79	.00111	.00227
#2	.00113	.03440	.00060	1.0770	.04289	.00007	-.00023	131.38	.00111	.00205
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00038**	**.00355**	**1.2441**	**16.043**	**.44018**	**97.110**	**.25572**	**.00206**	W **3398.3**	**.00419**
Stddev	.00028	.00042	.0153	.606	.00593	.624	.00186	.00031	28.7	.00005
%RSD	74.416	11.760	1.2265	3.7759	1.3480	.64278	.72548	15.174	.84599	1.1014
#1	.00058	.00325	1.2333	15.614	.43598	96.668	.25441	.00184	3377.9	.00415
#2	.00018	.00384	1.2549	16.471	.44437	97.551	.25703	.00228	3418.6	.00422
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass
High Limit									500.00	
Low Limit									11.000	

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.17307**	**.00105**	F **215.24**	**.00020**	**-.00105**	**4.8121**	**10.298**	**.00004**	W **19.564**	**-.00040**
Stddev	.00709	.00156	.33	.00095	.00514	.0470	.101	.00150	.030	.00232
%RSD	4.0962	147.77	.15245	478.18	488.86	.97644	.97644	3724.4	.15104	573.78
#1	.16806	-.00005	215.47	-.00047	.00259	4.7789	10.227	.00110	19.585	.00124
#2	.17808	.00216	215.01	.00087	-.00469	4.8454	10.369	-.00102	19.543	-.00204
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass
High Limit			200.00						5.0000	
Low Limit			-.20000						-.01000	

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00109**	**-.00084**	**.00180**	**.00061**	**.00602**	**.00039**
Stddev	.00043	.00244	.01312	.00065	.00089	.00095
%RSD	39.382	290.60	729.91	105.90	14.840	242.68
#1	.00139	.00089	-.00748	.00107	.00539	-.00028
#2	.00078	-.00257	.01108	.00015	.00666	.00107
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**2708.0**	**39831.**	**5267.3**
Stddev	2.3	96.	8.2
%RSD	.08367	.24083	.15595
#1	2706.4	39899.	5273.1
#2	2709.6	39764.	5261.5

Sample Name: 280-28286-B-2-A Acquired: 5/1/2012 23:48:51 Type: Unk
Method: 6500_025(v2) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 117484 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00006**	**.12215**	**-.00057**	**.54647**	**.18363**	**.00009**	**-.00417**	**177.22**	**.00058**	**.00101**
Stddev	.00017	.00011	.00210	.00079	.00081	.00005	.00555	.13	.00004	.00022
%RSD	294.39	.09251	367.95	.14441	.43911	53.521	133.13	.07328	7.4035	22.099
#1	-.00006	.12207	.00091	.54702	.18420	.00005	-.00810	177.32	.00061	.00117
#2	.00018	.12223	-.00206	.54591	.18306	.00012	-.00024	177.13	.00055	.00085
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00073**	**.00230**	**.43587**	**19.961**	**.16765**	**40.448**	**.79172**	**.00121**	W **573.63**	**.00695**
Stddev	.00008	.00005	.00261	.005	.00137	.102	.00253	.00003	1.61	.00038
%RSD	11.390	1.9957	.59951	.02440	.81506	.25138	.31975	2.6308	.27984	5.5098
#1	.00067	.00233	.43772	19.964	.16862	40.376	.78993	.00123	574.76	.00722
#2	.00079	.00227	.43402	19.957	.16668	40.520	.79351	.00118	572.49	.00667
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass
High Limit									500.00	
Low Limit									11.000	

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.08207**	**.00133**	**58.482**	**-.00047**	**.00404**	**6.9996**	**14.979**	**-.00106**	**4.6170**	**.00011**
Stddev	.00197	.00058	.035	.00019	.00088	.0064	.014	.00030	.0106	.00043
%RSD	2.4031	43.251	.06041	41.196	21.780	.09194	.09194	28.499	.22970	390.23
#1	.08068	.00092	58.507	-.00033	.00467	6.9951	14.969	-.00127	4.6245	-.00019
#2	.08347	.00174	58.457	-.00060	.00342	7.0042	14.989	-.00084	4.6095	.00041
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00020**	**.00190**	**.00451**	**.00012**	**.01060**	**.00171**
Stddev	.00060	.00159	.01762	.00010	.00028	.00169
%RSD	295.11	83.723	390.63	84.856	2.6688	98.768
#1	.00063	.00077	.01697	.00005	.01080	.00291
#2	-.00022	.00302	-.00795	.00019	.01040	.00052
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**3041.0**	**45849.**	**5426.8**
Stddev	7.1	72.	20.2
%RSD	.23366	.15666	.37263
#1	3046.0	45900.	5441.1
#2	3036.0	45798.	5412.5

Sample Name: 280-28286-B-3-A Acquired: 5/1/2012 23:51:19 Type: Unk
Method: 6500_025(v2) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 117484 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00009**	**.07577**	**-.00447**	**1.0717**	**.76217**	**.00002**	**-.00460**	**105.66**	**.00078**	**-.00004**
Stddev	.00021	.00055	.00320	.0012	.00606	.00011	.00082	1.07	.00000	.00003
%RSD	247.54	.72948	71.502	.10702	.79532	624.16	17.853	1.0101	.13245	96.816
#1	-.00006	.07616	-.00221	1.0708	.76645	-.00006	-.00518	106.42	.00078	-.00001
#2	.00024	.07538	-.00674	1.0725	.75788	.00010	-.00402	104.91	.00078	-.00006
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00051**	**.00234**	**.79565**	**13.293**	**1.2185**	**47.701**	**.16712**	**.00067**	W **1921.8**	**.00228**
Stddev	.00024	.00038	.00674	.120	.0103	.183	.00113	.00006	16.3	.00012
%RSD	47.813	16.114	.84698	.90301	.84153	.38377	.67776	9.4206	.84820	5.3267
#1	.00033	.00207	.80042	13.208	1.2258	47.830	.16792	.00072	1933.3	.00219
#2	.00068	.00261	.79089	13.378	1.2113	47.571	.16632	.00063	1910.3	.00237
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass
High Limit									500.00	
Low Limit									11.000	

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.21646**	**-.00122**	**29.785**	**.00000**	**-.00214**	**7.0530**	**15.094**	**-.00026**	W **10.934**	**.00072**
Stddev	.00096	.00126	.002	.00032	.00204	.0771	.165	.00064	.195	.00131
%RSD	.44128	103.20	.00775	8865.9	95.310	1.0929	1.0929	248.05	1.7869	181.90
#1	.21579	-.00033	29.783	-.00022	-.00070	7.1075	15.210	.00020	11.072	-.00021
#2	.21714	-.00212	29.786	.00023	-.00358	6.9985	14.977	-.00071	10.796	.00164
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass
High Limit									5.0000	
Low Limit									-.01000	

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00278**	**.00091**	**-.01557**	**.00149**	**.02908**	**.00169**
Stddev	.00014	.00301	.00887	.00003	.00038	.00070
%RSD	5.0881	329.66	56.944	2.3048	1.3213	41.682
#1	.00288	.00304	-.00930	.00151	.02881	.00119
#2	.00268	-.00121	-.02184	.00146	.02935	.00219
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**2867.4**	**42152.**	**5324.8**
Stddev	3.4	157.	31.1
%RSD	.11952	.37223	.58393
#1	2865.0	42041.	5302.8
#2	2869.8	42263.	5346.7

Sample Name: 280-28286-B-4-A Acquired: 5/1/2012 23:53:53 Type: Unk
Method: 6500_025(v2) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 117484 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00054**	**.11570**	**-.00286**	**1.4553**	**.27736**	**.00006**	**-.00170**	**193.89**	**.00115**	**.00071**
Stddev	.00026	.00135	.00029	.0027	.00045	.00009	.00205	.33	.00031	.00033
%RSD	49.095	1.1635	10.009	.18772	.16256	138.65	120.53	.16791	27.143	46.594
#1	.00035	.11475	-.00266	1.4573	.27704	.00000	-.00316	193.66	.00138	.00048
#2	.00072	.11665	-.00306	1.4534	.27767	.00012	-.00025	194.12	.00093	.00095
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00053**	**.00692**	**.46181**	**26.932**	**.80609**	**161.14**	**.29808**	**.00091**	W **5472.8**	**.00152**
Stddev	.00009	.00053	.00294	.162	.00481	.65	.00096	.00005	14.3	.00017
%RSD	17.702	7.6979	.63743	.60321	.59675	.40602	.32371	5.2256	.26075	11.353
#1	.00060	.00730	.45973	26.817	.80269	161.61	.29876	.00087	5462.7	.00140
#2	.00047	.00654	.46389	27.046	.80949	160.68	.29740	.00094	5482.9	.00164
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass
High Limit									500.00	
Low Limit									11.000	

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.17561**	**.00102**	**69.086**	**-.00258**	**.00580**	**4.8911**	**10.467**	**-.00060**	F **35.935**	**-.00131**
Stddev	.00252	.00148	.039	.00189	.00140	.0243	.052	.00095	.207	.00201
%RSD	1.4323	145.02	.05692	73.139	24.192	.49596	.49596	159.39	.57503	152.97
#1	.17383	-.00003	69.114	-.00125	.00481	4.8739	10.430	-.00127	36.081	-.00273
#2	.17739	.00207	69.058	-.00392	.00679	4.9082	10.504	.00008	35.789	.00011
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass
High Limit									20.000	
Low Limit									-.02000	

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00555**	**-.00134**	**.00114**	**.00049**	**.00792**	**-.00004**
Stddev	.00106	.00129	.03355	.00041	.00142	.00075
%RSD	19.012	96.562	2941.2	83.893	17.891	1990.7
#1	.00481	-.00225	-.02258	.00020	.00692	.00050
#2	.00630	-.00042	.02486	.00079	.00892	-.00057
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**2543.6**	**37645.**	**5239.5**
Stddev	.5	50.	36.5
%RSD	.01952	.13300	.69616
#1	2543.3	37609.	5213.7
#2	2544.0	37680.	5265.3

Sample Name: 280-28286-B-5-A Acquired: 5/1/2012 23:56:27 Type: Unk
Method: 6500_025(v2) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 117484 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00063**	**1.0173**	**.00077**	**1.5328**	**.36802**	**.00025**	**-.00770**	F **1034.4**	**.00323**	**.00531**
Stddev	.00047	.0014	.00727	.0047	.00052	.00008	.00700	12.2	.00020	.00013
%RSD	74.550	.13943	941.00	.30823	.14201	32.356	90.803	1.1795	6.0833	2.4888
#1	.00096	1.0183	.00592	1.5361	.36765	.00019	-.00276	1043.0	.00337	.00522
#2	.00030	1.0163	-.00437	1.5295	.36839	.00030	-.01265	1025.8	.00310	.00540
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass
High Limit								1000.0		
Low Limit								-.10000		

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01592**	**.01441**	**18.030**	**88.227**	W **3.3115**	W **828.74**	**1.8400**	**.00391**	F **18136.**	**.01568**
Stddev	.00071	.00008	.053	.161	.0142	3.19	.0088	.00007	443.	.00008
%RSD	4.4383	.55838	.29484	.18270	.42828	.38510	.47597	1.6747	2.4408	.51192
#1	.01642	.01447	18.068	88.341	3.3015	831.00	1.8462	.00387	18449.	.01574
#2	.01542	.01436	17.993	88.113	3.3216	826.48	1.8338	.00396	17823.	.01563
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Warn	Chk Pass	Chk Pass	Chk Fail	Chk Pass
High Limit					2.0000	500.00			10000.	
Low Limit					-.01000	-.10000			9.0000	

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.1631**	**.00789**	F **258.41**	**.00246**	**.01275**	**8.3546**	**17.879**	**.00237**	^ *****	**-.00615**
Stddev	.0057	.00300	1.29	.00005	.00359	.0212	.045	.00016	-----	.00118
%RSD	.49107	37.982	.49942	1.9576	28.180	.25373	.25373	6.8951	-----	19.256
#1	1.1590	.01001	259.33	.00250	.01021	8.3696	17.911	.00225	^ -----	-.00531
#2	1.1671	.00577	257.50	.00243	.01529	8.3396	17.847	.00248	^ -----	-.00699
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit			200.00							
Low Limit			-.20000							

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.03832**	**-.00060**	**-.03044**	**.00512**	**.02212**	**.00209**
Stddev	.00296	.00089	.02810	.00031	.00192	.00013
%RSD	7.7236	148.53	92.307	6.0250	8.6874	6.2510
#1	.04041	.00003	-.01057	.00534	.02347	.00200
#2	.03623	-.00123	-.05031	.00491	.02076	.00218
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**1919.6**	**30612.**	**4884.6**
Stddev	2.9	67.	60.2
%RSD	.15116	.21971	1.2334
#1	1917.6	30565.	4842.0
#2	1921.7	30660.	4927.2

Sample Name: 280-28286-B-6-A Acquired: 5/1/2012 23:59:14 Type: Unk
Method: 6500_025(v2) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 117484 6010B

Elem	Ag3280	Al1670	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288
Line	328.068 {103}	167.079 {502}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00047**	**2.0430**	W **2.8919**	**.00035**	**1.7472**	**.55955**	**.00028**	**-.00344**	W **916.22**	**.00286**
Stddev	.00036	.0066	.0442	.00890	.0110	.00738	.00002	.00088	9.93	.00004
%RSD	76.771	.32176	1.5284	2510.0	.63023	1.3197	6.1166	25.691	1.0835	1.3849
#1	.00022	2.0476	2.8606	.00665	1.7394	.55433	.00029	-.00407	909.20	.00283
#2	.00073	2.0383	2.9231	-.00594	1.7550	.56477	.00026	-.00282	923.23	.00288
Check ?	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass
High Limit			500.00						500.00	
Low Limit			3.2000						-.05000	

Elem	Co2286	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183
Line	228.616 {447}	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00533**	**.00660**	**.00454**	**3.6405**	**75.656**	W **2.6524**	W **635.94**	**1.7947**	**.00047**	F **16576.**
Stddev	.00008	.00028	.00014	.0480	1.015	.0300	9.40	.0111	.00003	543.
%RSD	1.4526	4.2231	3.0459	1.3173	1.3416	1.1308	1.4788	.61628	7.1933	3.2773
#1	.00538	.00680	.00444	3.6066	74.939	2.6312	629.29	1.7869	.00044	16192.
#2	.00527	.00641	.00464	3.6744	76.374	2.6736	642.59	1.8026	.00049	16960.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Warn	Chk Pass	Chk Pass	Chk Fail
High Limit						2.0000	500.00			10000.
Low Limit						-.01000	-.10000			9.0000

Elem	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077
Line	231.604 {446}	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01263**	**.47519**	**.00404**	**113.44**	**.00398**	**.01202**	**8.0594**	**17.247**	**.00296**	^ *****
Stddev	.00019	.00431	.00043	.79	.00092	.00238	.0645	.138	.00243	-----
%RSD	1.5069	.90725	10.685	.69271	23.136	19.830	.80043	.80043	82.074	-----
#1	.01277	.47214	.00374	112.88	.00333	.01034	8.0138	17.149	.00468	^ -----
#2	.01250	.47823	.00435	113.99	.00464	.01371	8.1050	17.345	.00124	^ -----
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	283.730 {119}	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00301**	**.06193**	**.00139**	**-.03316**	**.00662**	**.01565**	**.00258**
Stddev	.00458	.00159	.00067	.02836	.00012	.00058	.00044
%RSD	152.25	2.5608	48.041	85.532	1.8854	3.7099	17.058
#1	.00023	.06080	.00186	-.05321	.00671	.01606	.00290
#2	-.00625	.06305	.00092	-.01310	.00654	.01524	.00227
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**2012.7**	**31377.**	**4977.8**
Stddev	3.5	154.	28.9
%RSD	.17316	.49201	.58049
#1	2015.2	31486.	4998.3
#2	2010.3	31268.	4957.4

Sample Name: 280-28286-B-7-A Acquired: 5/2/2012 0:02:01 Type: Unk
Method: 6500_025(v2) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 117484 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00024**	**.13484**	**-.00029**	**1.0370**	**.10801**	**.00007**	**-.00134**	**91.340**	**.00099**	**.00040**
Stddev	.00028	.00152	.00229	.0058	.00059	.00000	.00228	.075	.00007	.00012
%RSD	118.92	1.1264	784.45	.56161	.54487	7.0400	170.71	.08228	6.8903	29.478
#1	-.00004	.13377	-.00191	1.0329	.10760	.00006	-.00295	91.287	.00104	.00032
#2	-.00044	.13591	.00133	1.0411	.10843	.00007	.00028	91.393	.00095	.00048
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00309**	**.00310**	**.91838**	**14.964**	**.41890**	**70.222**	**.11992**	**.00192**	W **3276.0**	**.00286**
Stddev	.00001	.00022	.00068	.046	.00265	.161	.00002	.00007	9.3	.00021
%RSD	.26532	7.2383	.07364	.30725	.63296	.22963	.01255	3.9099	.28461	7.2960
#1	.00308	.00294	.91790	14.931	.41702	70.108	.11994	.00197	3269.4	.00271
#2	.00310	.00326	.91885	14.996	.42077	70.336	.11991	.00186	3282.6	.00300
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass
High Limit									500.00	
Low Limit									11.000	

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.14377**	**-.00118**	**74.153**	**.00037**	**-.00147**	**4.6103**	**9.8661**	**-.00066**	W **15.516**	**-.00167**
Stddev	.00080	.00165	.326	.00074	.00384	.0076	.0163	.00014	.039	.00039
%RSD	.55364	140.50	.43994	196.23	260.51	.16561	.16561	20.924	.25360	23.130
#1	.14321	-.00234	73.922	.00090	-.00419	4.6049	9.8546	-.00075	15.544	-.00140
#2	.14433	-.00001	74.384	-.00015	.00124	4.6157	9.8777	-.00056	15.489	-.00194
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass
High Limit									5.0000	
Low Limit									-.01000	

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00487**	**.00247**	**.00741**	**.00133**	**.00895**	**-.00027**
Stddev	.00021	.00068	.00025	.00001	.00011	.00004
%RSD	4.2591	27.463	3.4370	.85413	1.2700	15.163
#1	.00501	.00295	.00723	.00134	.00903	-.00030
#2	.00472	.00199	.00759	.00132	.00887	-.00024
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**2776.9**	**41667.**	**5615.9**
Stddev	3.5	128.	30.4
%RSD	.12507	.30642	.54143
#1	2779.4	41758.	5594.4
#2	2774.5	41577.	5637.4

Sample Name: CCVH-1390999 Acquired: 5/2/2012 0:04:35 Type: QC
Method: 6500_025(v2) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2714
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00166**	**47.554**	**.00073**	**.00646**	**.00064**	**.00007**	**1.0165**	**.08967**	**.00020**	**.00028**	**.00034**	**-.00483**	**47.461**
Stddev	.00008	.400	.00189	.00004	.00011	.00004	.0051	.00799	.00005	.00029	.00021	.00003	.250
%RSD	4.9886	.84084	257.20	.65158	17.274	50.826	.50125	8.9120	25.349	104.88	61.813	.68141	.52608
#1	-.00172	47.271	.00207	.00643	.00072	.00004	1.0129	.09532	.00024	.00048	.00019	-.00481	47.284
#2	-.00160	47.837	-.00060	.00649	.00057	.00009	1.0201	.08402	.00017	.00007	.00048	-.00485	47.637
Check ?	None	Chk Pass	None	None	None	None	Chk Pass	None	None	None	None	None	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.22561**	**.00045**	**.02394**	**.00023**	**.00062**	**244.42**	**.00089**	**.01252**	**-.00059**	**5.0656**	**-.00067**	**.00178**	**-.00333**
Stddev	.00476	.00005	.00613	.00002	.00034	1.63	.00072	.00210	.00167	.0196	.00134	.00734	.01010
%RSD	2.1118	11.968	25.590	6.5066	55.628	.66810	81.168	16.812	283.25	.38617	199.54	412.75	303.70
#1	.22224	.00041	.02827	.00024	.00037	243.26	.00038	.01401	-.00177	5.0518	.00028	-.00341	-.01047
#2	.22898	.00048	.01961	.00022	.00086	245.57	.00140	.01103	.00059	5.0794	-.00162	.00697	.00382
Check ?	None	None	None	None	None	Chk Pass	None	None	None	Chk Pass	None	None	None
Value													
Range													

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00712**	**.00230**	**.01398**	**5.0396**	**.00831**	**.00147**	**10.447**	**-.00472**	**.00146**	**-.04769**
Stddev	.02161	.00072	.00121	.0357	.00008	.00116	.102	.00039	.00010	.00344
%RSD	303.70	31.529	8.6656	.70755	.96242	78.822	.98047	8.2938	6.8101	7.2207
#1	-.02240	.00179	.01483	5.0144	.00825	.00065	10.374	-.00499	.00139	-.04526
#2	.00817	.00281	.01312	5.0648	.00836	.00228	10.519	-.00444	.00153	-.05013
Check ?	None	None	None	Chk Pass	None	None	Chk Pass	None	None	None
Value										
Range										

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**3324.2**	**50743.**	**5721.8**
Stddev	3.8	68.	39.5
%RSD	.11359	.13320	.69056
#1	3326.9	50790.	5749.8
#2	3321.6	50695.	5693.9

Sample Name: CCV-1390955 Acquired: 5/2/2012 0:06:55 Type: QC
Method: 6500_025(v2) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.50284**	**.48752**	**.99511**	**.48639**	**.49425**	**.45801**	**-.00355**	**4.6389**	**.50170**	**.49516**	**.49691**	**.52099**	**2.3970**
Stddev	.00107	.00281	.00993	.00037	.00344	.00469	.00059	.0287	.00059	.00062	.00074	.00238	.0087
%RSD	.21198	.57660	.99801	.07515	.69580	1.0247	16.519	.61906	.11745	.12603	.14859	.45638	.36237
#1	.50359	.48951	1.0021	.48664	.49182	.45469	-.00397	4.6186	.50128	.49472	.49639	.52267	2.3908
#2	.50209	.48553	.98809	.48613	.49668	.46133	-.00314	4.6592	.50211	.49561	.49744	.51931	2.4031
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**48.322**	**.94976**	**19.150**	**.49549**	**.49634**	F **5.6694**	**.49273**	**.95532**	**1.0208**	**.04692**	**.97737**	**1.0155**	**4.5334**
Stddev	.376	.00679	.095	.00143	.00058	.0326	.00030	.00258	.0012	.00262	.00050	.0095	.0516
%RSD	.77889	.71539	.49686	.28767	.11720	.57492	.06067	.27053	.11253	5.5804	.05100	.93923	1.1374
#1	48.056	.94495	19.217	.49650	.49593	5.6463	.49252	.95714	1.0216	.04507	.97772	1.0222	4.4969
#2	48.588	.95456	19.083	.49449	.49675	5.6924	.49294	.95349	1.0200	.04878	.97701	1.0087	4.5699
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value						5.0000							
Range						10.490%							

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**9.7015**	**.99079**	**.49115**	**.00067**	**.48256**	**1.0157**	**.01607**	**.49443**	**.49273**	**.48996**
Stddev	.1103	.00314	.00259	.00003	.00087	.0069	.01016	.00303	.00251	.00211
%RSD	1.1374	.31643	.52700	4.4029	.18113	.67639	63.224	.61325	.50971	.43080
#1	9.6235	.98857	.48932	.00065	.48317	1.0108	.00889	.49658	.49451	.48847
#2	9.7795	.99300	.49298	.00069	.48194	1.0205	.02326	.49229	.49096	.49145
Check ?	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value										
Range										

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**3390.7**	**52218.**	**5781.6**
Stddev	3.1	181.	31.5
%RSD	.09177	.34696	.54511
#1	3392.9	52090.	5803.9
#2	3388.5	52346.	5759.3

Sample Name: CCB Acquired: 5/2/2012 0:09:09 Type: QC
Method: 6500_025(v2) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00031**	**-.00018**	**.00008**	**.00413**	**.00035**	**.00016**	**-.00238**	**.01933**	**.00013**	**-.00012**	**.00010**	**-.00125**
Stddev	.00027	.00022	.00109	.00019	.00014	.00004	.00300	.00215	.00018	.00027	.00027	.00004
%RSD	86.961	120.59	1378.4	4.5943	41.861	23.811	125.97	11.102	136.80	229.26	265.55	3.3021
#1	.00012	-.00033	.00085	.00399	.00045	.00019	-.00026	.01781	.00026	-.00031	.00029	-.00122
#2	.00051	-.00003	-.00069	.00426	.00024	.00014	-.00450	.02084	.00000	.00007	-.00009	-.00128
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit												
Low Limit												

Elem	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00103**	**.14345**	**.00021**	W **.01284**	**.00018**	**.00101**	F **.82212**	**-.00045**	**.00707**	**-.00047**	**.04141**	**-.00067**
Stddev	.00106	.00375	.00034	.00137	.00002	.00004	.00781	.00019	.00258	.00090	.00038	.00037
%RSD	102.89	2.6169	163.83	10.692	12.012	3.7676	.94942	41.880	36.458	192.77	.92906	55.513
#1	.00178	.14611	.00045	.01381	.00016	.00098	.82764	-.00058	.00890	-.00110	.04114	-.00041
#2	.00028	.14080	-.00003	.01187	.00019	.00104	.81660	-.00032	.00525	.00017	.04168	-.00094
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				.01070			.18320					
Low Limit				-.01070			-.18320					

Elem	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00073**	**-.00921**	**-.01971**	**.00186**	F **.00248**	**.00297**	**.00024**	**-.00050**	**-.01520**	**-.00082**	**.00247**	**.00056**
Stddev	.00344	.01143	.02446	.00116	.00008	.00023	.00013	.00085	.00316	.00009	.00027	.00002
%RSD	469.69	124.10	124.10	62.160	3.1412	7.8416	52.866	168.21	20.769	10.482	10.842	2.7109
#1	.00317	-.00113	-.00241	.00104	.00253	.00313	.00033	.00010	-.01743	-.00076	.00228	.00055
#2	-.00170	-.01729	-.03700	.00268	.00242	.00281	.00015	-.00111	-.01297	-.00088	.00266	.00057
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					.00050							
Low Limit					-.00050							

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**3413.6**	**53047.**	**5751.1**
Stddev	6.8	23.	60.6
%RSD	.19838	.04248	1.0535
#1	3418.4	53063.	5793.9
#2	3408.8	53031.	5708.2

Sample Name: CCVL1390952 Acquired: 5/2/2012 0:11:34 Type: QC
Method: 6500_025(v2) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01049**	**.10143**	**.01168**	**.09942**	**.00999**	**.00093**	**.11629**	**.19581**	**.00522**	**.01008**	**.00989**	**.01486**	**.09752**
Stddev	.00038	.00020	.00238	.00037	.00018	.00004	.00183	.00453	.00004	.00009	.00007	.00018	.00171
%RSD	3.6554	.19677	20.376	.37309	1.7969	4.2793	1.5709	2.3153	.73204	.84420	.71159	1.1887	1.7529
#1	.01022	.10129	.01336	.09916	.00986	.00090	.11758	.19261	.00519	.01002	.00994	.01473	.09873
#2	.01077	.10157	.01000	.09969	.01012	.00096	.11500	.19902	.00525	.01014	.00984	.01498	.09631
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**3.0406**	F **.01328**	**.20808**	**.01027**	**.01948**	F **1.5831**	**.03986**	**2.7774**	**.00990**	**.03422**	F **.00602**	F **.01980**	**.43573**
Stddev	.0306	.00010	.00034	.00000	.00029	.0084	.00035	.0063	.00005	.00194	.00012	.00156	.02562
%RSD	1.0049	.72885	.16472	.02846	1.4892	.53087	.87774	.22775	.49377	5.6803	1.9598	7.8733	5.8804
#1	3.0190	.01335	.20784	.01027	.01968	1.5891	.04010	2.7819	.00994	.03559	.00594	.01870	.41761
#2	3.0622	.01321	.20832	.01027	.01927	1.5772	.03961	2.7729	.00987	.03285	.00610	.02090	.45385
Check ?	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	None	Chk Fail	Chk Fail	Chk Pass
Value		.01000				1.0000					.01000	.01500	
Range		30.000%				30.000%					-30.000%	30.000%	

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.93247**	**.10272**	**.01133**	**.01457**	**.00985**	**.01754**	F **.08485**	**.00905**	**.02223**	**.01542**
Stddev	.05483	.00028	.00004	.00005	.00013	.00056	.01973	.00046	.00049	.00103
%RSD	5.8804	.27230	.33340	.34723	1.3514	3.1818	23.251	5.0899	2.2151	6.6650
#1	.89369	.10253	.01130	.01453	.00975	.01715	.07090	.00873	.02258	.01615
#2	.97124	.10292	.01135	.01461	.00994	.01794	.09880	.00938	.02189	.01470
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
Value							.06000			
Range							30.000%			

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**3474.2**	**53757.**	**5864.6**
Stddev	3.8	233.	82.1
%RSD	.10986	.43309	1.4001
#1	3476.9	53922.	5922.7
#2	3471.5	53592.	5806.5

Sample Name: 280-28286-B-8-A Acquired: 5/2/2012 0:13:57 Type: Unk
Method: 6500_025(v2) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 117484 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00025**	**.00187**	**-.00408**	**.00360**	**.00015**	**.00010**	**-.00373**	**.02985**	**.00012**	**-.00041**
Stddev	.00009	.00012	.00144	.00029	.00005	.00001	.00169	.00236	.00003	.00033
%RSD	35.672	6.2077	35.271	7.9612	35.304	6.2995	45.289	7.9052	28.508	80.418
#1	.00019	.00196	-.00509	.00340	.00019	.00010	-.00493	.03152	.00015	-.00018
#2	.00031	.00179	-.00306	.00381	.00012	.00010	-.00254	.02818	.00010	-.00064
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00005**	**-.00087**	**.00283**	**.08240**	**-.00061**	**.00810**	**.00021**	**-.00002**	**.56863**	**-.00034**
Stddev	.00012	.00018	.00009	.03263	.00015	.00059	.00001	.00010	.00148	.00052
%RSD	249.41	21.112	3.0585	39.605	23.964	7.3199	5.8518	453.67	.26039	153.54
#1	-.00004	-.00100	.00277	.10547	-.00071	.00768	.00020	.00005	.56968	.00003
#2	.00013	-.00074	.00289	.05932	-.00051	.00852	.00022	-.00010	.56758	-.00070
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00578**	**-.00009**	**.04351**	**.00109**	**.00264**	**-.02068**	**-.04425**	**.00036**	**.00103**	**.00216**
Stddev	.00121	.00140	.00130	.00106	.00248	.00709	.01517	.00066	.00006	.00051
%RSD	20.848	1504.3	2.9773	96.963	93.980	34.284	34.284	181.04	5.3411	23.585
#1	.00493	.00090	.04260	.00034	.00089	-.02569	-.05497	-.00010	.00107	.00252
#2	.00663	-.00108	.04443	.00184	.00440	-.01566	-.03352	.00083	.00099	.00180
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00026**	**-.00009**	**.02230**	**-.00038**	**.00267**	**-.00035**
Stddev	.00006	.00041	.02143	.00043	.00011	.00004
%RSD	23.060	428.82	96.092	114.30	4.2440	11.787
#1	.00022	-.00038	.00715	-.00068	.00259	-.00032
#2	.00030	.00019	.03745	-.00007	.00275	-.00038
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**3450.6**	**53765.**	**5857.0**
Stddev	5.0	530.	6.9
%RSD	.14570	.98554	.11799
#1	3447.1	54139.	5861.9
#2	3454.2	53390.	5852.1

Sample Name: 280-28201-C-1-A Acquired: 5/2/2012 0:16:23 Type: Unk
Method: 6500_025(v2) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 117484 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00018**	**.00069**	**-.00050**	**.00298**	**.00036**	**.00010**	**-.00158**	**.02547**	**.00022**	**-.00024**
Stddev	.00014	.00019	.00156	.00063	.00028	.00000	.00193	.00098	.00002	.00016
%RSD	79.724	28.049	312.44	21.020	77.642	1.7304	122.37	3.8668	9.4351	67.840
#1	.00028	.00055	.00060	.00254	.00016	.00010	-.00294	.02477	.00021	-.00012
#2	.00008	.00082	-.00160	.00343	.00056	.00009	-.00021	.02617	.00024	-.00035
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00006**	**-.00085**	**.00304**	**.06714**	**.00022**	**.00487**	**.00011**	**-.00019**	**.48564**	**-.00051**
Stddev	.00031	.00011	.00191	.01211	.00089	.00187	.00001	.00023	.00052	.00001
%RSD	501.28	12.372	62.802	18.043	405.55	38.403	9.8474	116.13	.10616	2.7255
#1	-.00028	-.00093	.00439	.05857	.00084	.00355	.00011	-.00003	.48528	-.00052
#2	.00016	-.00078	.00169	.07570	-.00041	.00619	.00010	-.00035	.48601	-.00050
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00123**	**-.00082**	**.03636**	**-.00363**	**-.00014**	**-.00951**	**-.02036**	**.00013**	**.00083**	**.00119**
Stddev	.00094	.00019	.00038	.00286	.00089	.00949	.02030	.00011	.00002	.00145
%RSD	76.073	23.465	1.0394	78.768	637.96	99.722	99.722	83.801	2.0697	122.08
#1	.00189	-.00096	.03662	-.00161	.00049	-.00281	-.00600	.00005	.00082	.00221
#2	.00057	-.00068	.03609	-.00565	-.00077	-.01622	-.03472	.00021	.00085	.00016
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00036**	**-.00118**	**.02106**	**-.00039**	**.00192**	**-.00033**
Stddev	.00003	.00048	.03007	.00040	.00039	.00049
%RSD	9.7029	40.599	142.78	100.91	20.168	149.90
#1	.00038	-.00084	-.00020	-.00068	.00164	.00002
#2	.00033	-.00151	.04233	-.00011	.00219	-.00068
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**3455.8**	**53976.**	**5892.7**
Stddev	.1	52.	15.0
%RSD	.00388	.09692	.25410
#1	3455.7	54013.	5882.1
#2	3455.9	53939.	5903.3

Sample Name: 280-28201-C-2-A Acquired: 5/2/2012 0:18:48 Type: Unk
Method: 6500_025(v2) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 117484 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00012**	**.02986**	**-.00171**	**.08940**	**.01462**	**.00007**	**-.00443**	**95.201**	**.00036**	**.00003**
Stddev	.00015	.00061	.00329	.00125	.00022	.00001	.00056	.525	.00003	.00002
%RSD	126.30	2.0469	192.76	1.3973	1.4774	18.334	12.567	.55164	7.6650	63.082
#1	-.00001	.02943	.00062	.09028	.01477	.00006	-.00483	95.572	.00034	.00004
#2	-.00023	.03030	-.00403	.08851	.01447	.00008	-.00404	94.829	.00038	.00002
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00082**	**.00286**	**.02256**	**1.5846**	**.00042**	**2.8404**	**.00075**	**.00275**	**4.0460**	**.00069**
Stddev	.00025	.00000	.00202	.0418	.00084	.0251	.00003	.00020	.0242	.00001
%RSD	30.874	.10213	8.9434	2.6398	200.62	.88539	3.8449	7.1449	.59683	2.0343
#1	.00100	.00286	.02114	1.6142	-.00017	2.8582	.00077	.00261	4.0631	.00068
#2	.00064	.00286	.02399	1.5550	.00101	2.8226	.00073	.00289	4.0289	.00070
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.07983**	**.00007**	**12.239**	**-.00366**	**.00120**	**8.2956**	**17.753**	**.00070**	**.77398**	**.00141**
Stddev	.00390	.00057	.010	.00120	.00062	.0257	.055	.00111	.00307	.00000
%RSD	4.8843	780.75	.08026	32.699	51.419	.30993	.30993	159.42	.39628	.25784
#1	.07708	-.00033	12.232	-.00451	.00163	8.3138	17.791	-.00009	.77615	.00141
#2	.08259	.00048	12.246	-.00282	.00076	8.2774	17.714	.00148	.77181	.00142
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00113**	**.00122**	**.01459**	**.03122**	**.00270**	**.00092**
Stddev	.00021	.00174	.00197	.00049	.00037	.00024
%RSD	18.503	142.16	13.492	1.5837	13.857	25.477
#1	.00098	-.00001	.01598	.03157	.00296	.00109
#2	.00128	.00245	.01320	.03087	.00243	.00076
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**3339.7**	**52194.**	**5870.0**
Stddev	11.0	537.	14.2
%RSD	.32895	1.0290	.24158
#1	3347.4	51814.	5860.0
#2	3331.9	52573.	5880.0

Sample Name: 280-28201-C-3-A Acquired: 5/2/2012 0:21:09 Type: Unk
Method: 6500_025(v2) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 117484 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00002**	**.05936**	**-.00027**	**1.3458**	**.07904**	**.00003**	**-.00463**	W **509.38**	**.00062**	**.00235**
Stddev	.00019	.00058	.00230	.0020	.00011	.00006	.00262	3.52	.00007	.00001
%RSD	887.73	.98263	859.33	.14938	.14173	172.87	56.668	.69064	12.100	.57114
#1	-.00016	.05895	.00136	1.3472	.07912	-.00001	-.00277	506.89	.00067	.00234
#2	.00011	.05977	-.00190	1.3444	.07896	.00008	-.00648	511.86	.00057	.00235
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass
High Limit								500.00		
Low Limit								-.05000		

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00177**	**.01835**	**.28571**	**18.001**	**.04871**	**11.663**	**.07685**	**.03459**	**41.070**	**.01458**
Stddev	.00021	.00003	.00023	.089	.00008	.055	.00047	.00001	.074	.00022
%RSD	11.911	.14117	.07941	.49531	.16511	.47143	.61012	.02978	.18140	1.4922
#1	.00192	.01837	.28555	17.938	.04877	11.624	.07651	.03460	41.017	.01474
#2	.00162	.01833	.28587	18.064	.04865	11.702	.07718	.03458	41.123	.01443
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.02871**	**.00177**	F **413.11**	**.01211**	**.00482**	**12.214**	**26.138**	**.00105**	**2.0400**	**.00041**
Stddev	.00086	.00138	.41	.00041	.00468	.086	.184	.00004	.0047	.00044
%RSD	2.9825	78.008	.10027	3.3447	96.996	.70337	.70337	4.0363	.22980	107.46
#1	.02932	.00079	413.40	.01240	.00813	12.153	26.008	.00102	2.0367	.00071
#2	.02811	.00274	412.82	.01183	.00151	12.275	26.268	.00108	2.0433	.00010
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit			200.00							
Low Limit			-.20000							

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00377**	**.00108**	**.02958**	**.01190**	**.11597**	**.00051**
Stddev	.00018	.00042	.00342	.00038	.00097	.00267
%RSD	4.7623	38.496	11.562	3.2292	.83358	519.22
#1	.00364	.00137	.02716	.01163	.11666	.00240
#2	.00389	.00079	.03199	.01217	.11529	-.00137
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**3091.5**	**48637.**	**5662.2**
Stddev	7.5	190.	35.9
%RSD	.24184	.39045	.63409
#1	3096.8	48772.	5687.6
#2	3086.2	48503.	5636.8

Sample Name: 280-28201-C-4-A Acquired: 5/2/2012 0:23:36 Type: Unk
Method: 6500_025(v2) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 117484 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00008**	**.00901**	**.00001**	**.23036**	**.02571**	**.00005**	**-.00734**	**144.38**	**.00039**	**-.00029**
Stddev	.00009	.00013	.00340	.00087	.00043	.00005	.00169	1.97	.00003	.00000
%RSD	116.67	1.4939	27786.	.37674	1.6719	107.56	23.090	1.3664	7.3710	.81936
#1	-.00001	.00911	-.00239	.23097	.02601	.00009	-.00614	145.77	.00041	-.00029
#2	-.00014	.00892	.00242	.22974	.02540	.00001	-.00854	142.98	.00037	-.00030
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00090**	**.00016**	**.11674**	**12.109**	**.00410**	**4.1929**	**.03784**	**.01519**	**13.621**	**.00098**
Stddev	.00005	.00014	.00297	.091	.00034	.0076	.00009	.00024	.103	.00029
%RSD	5.0631	88.363	2.5482	.75198	8.2515	.18103	.24544	1.5833	.75516	29.634
#1	.00087	.00006	.11884	12.174	.00434	4.1876	.03777	.01537	13.548	.00118
#2	.00093	.00026	.11464	12.045	.00386	4.1983	.03790	.01502	13.694	.00077
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.15089**	**-.00007**	**86.486**	**-.00370**	**.00218**	**14.204**	**30.396**	**-.00044**	**.66257**	**.00078**
Stddev	.00185	.00046	.090	.00081	.00163	.177	.378	.00028	.00733	.00026
%RSD	1.2285	646.60	.10405	21.959	74.765	1.2432	1.2432	64.911	1.1057	33.757
#1	.15220	.00026	86.549	-.00313	.00103	14.329	30.663	-.00064	.66775	.00060
#2	.14958	-.00040	86.422	-.00428	.00333	14.079	30.129	-.00024	.65739	.00097
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00061**	**.00044**	**.01933**	**.00271**	**.00562**	**-.00020**
Stddev	.00002	.00148	.00444	.00052	.00011	.00050
%RSD	3.8212	334.65	22.961	19.029	1.9303	242.34
#1	.00063	-.00060	.01619	.00307	.00555	-.00056
#2	.00059	.00149	.02246	.00234	.00570	.00015
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**3255.4**	**50302.**	**5686.8**
Stddev	2.1	170.	84.1
%RSD	.06565	.33756	1.4790
#1	3253.9	50422.	5627.3
#2	3256.9	50182.	5746.3

Sample Name: 280-28201-C-5-A Acquired: 5/2/2012 0:25:59 Type: Unk
Method: 6500_025(v2) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 117484 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00005**	**.00711**	**-.00341**	**.13156**	**.01601**	**.00008**	**-.00127**	**111.08**	**.00029**	**-.00031**
Stddev	.00025	.00007	.00566	.00005	.00023	.00004	.00064	.81	.00018	.00006
%RSD	474.28	.96512	165.85	.03605	1.4461	48.565	50.414	.73271	60.727	19.891
#1	.00023	.00706	.00059	.13152	.01617	.00010	-.00082	111.66	.00042	-.00027
#2	-.00013	.00716	-.00741	.13159	.01584	.00005	-.00173	110.51	.00017	-.00036
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00121**	**-.00020**	**1.5444**	**7.1192**	**.00093**	**4.2563**	**.01272**	**.00286**	**16.436**	**-.00026**
Stddev	.00018	.00024	.0130	.0163	.00089	.0371	.00016	.00048	.411	.00021
%RSD	14.477	120.27	.84376	.22824	94.833	.87076	1.2675	16.700	2.5008	79.685
#1	.00109	-.00038	1.5536	7.1307	.00031	4.2825	.01283	.00252	16.727	-.00011
#2	.00134	-.00003	1.5352	7.1077	.00156	4.2301	.01260	.00320	16.145	-.00041
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.16348**	**-.00072**	**13.699**	**-.00199**	**.00254**	**7.5517**	**16.161**	**-.00034**	**.96587**	**.00040**
Stddev	.00216	.00104	.007	.00117	.00176	.0659	.141	.00006	.00541	.00016
%RSD	1.3191	144.34	.05162	58.670	69.458	.87218	.87218	18.342	.55990	40.869
#1	.16501	-.00145	13.694	-.00281	.00129	7.5982	16.260	-.00029	.96969	.00029
#2	.16196	.00001	13.704	-.00116	.00378	7.5051	16.061	-.00038	.96205	.00052
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00051**	**.00084**	**.04692**	**.00264**	**.00628**	**-.00082**
Stddev	.00011	.00115	.02094	.00008	.00078	.00065
%RSD	21.983	137.16	44.639	2.9814	12.412	79.716
#1	.00043	.00003	.03211	.00259	.00683	-.00036
#2	.00059	.00165	.06173	.00270	.00573	-.00128
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**3276.8**	**50964.**	**5726.1**
Stddev	.5	207.	16.8
%RSD	.01452	.40538	.29319
#1	3276.5	50818.	5714.2
#2	3277.2	51110.	5737.9

Sample Name: CCVH-1390999 Acquired: 5/2/2012 0:28:21 Type: QC
Method: 6500_025(v2) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2714
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00200**	**47.713**	**-.00008**	**.00445**	**.00034**	**.00005**	**1.0195**	**.04679**	**.00020**	**.00007**	**.00041**	**-.00453**	**47.293**
Stddev	.00079	.555	.00583	.00124	.00009	.00004	.0013	.00503	.00007	.00006	.00016	.00012	.639
%RSD	39.558	1.1627	7645.3	27.840	27.909	67.695	.12331	10.742	34.888	85.535	39.428	2.6564	1.3514
#1	-.00257	47.321	-.00420	.00532	.00040	.00008	1.0204	.05034	.00025	.00011	.00053	-.00461	46.841
#2	-.00144	48.105	.00404	.00357	.00027	.00003	1.0186	.04324	.00015	.00003	.00030	-.00444	47.745
Check ?	None	Chk Pass	None	None	None	None	Chk Pass	None	None	None	None	None	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.06934**	**.00209**	**-.02148**	**.00022**	**.00032**	**243.01**	**.00103**	**.00724**	**.00050**	**5.0034**	**-.00327**	**.00038**	**-.00216**
Stddev	.01036	.00096	.00412	.00005	.00009	1.73	.00003	.00059	.00188	.0010	.00075	.00011	.00010
%RSD	14.944	45.902	19.193	22.527	27.570	.71087	2.4389	8.1565	379.65	.02075	22.861	28.962	4.7760
#1	.06201	.00141	-.02440	.00025	.00038	241.79	.00101	.00766	.00183	5.0041	-.00380	.00030	-.00209
#2	.07667	.00277	-.01857	.00018	.00026	244.23	.00105	.00682	-.00084	5.0026	-.00274	.00046	-.00224
Check ?	None	None	None	None	None	Chk Pass	None	None	None	Chk Pass	None	None	None
Value													
Range													

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00463**	**.00144**	**.00071**	**5.0364**	**.00805**	**.00195**	**10.423**	**-.00451**	**.00169**	**-.04854**
Stddev	.00022	.00015	.00004	.0309	.00021	.00082	.089	.00002	.00017	.00025
%RSD	4.7760	10.138	6.2907	.61404	2.5692	41.826	.85860	.53350	9.8677	.50780
#1	-.00447	.00155	.00074	5.0145	.00791	.00253	10.360	-.00453	.00157	-.04836
#2	-.00479	.00134	.00067	5.0583	.00820	.00137	10.486	-.00450	.00180	-.04871
Check ?	None	None	None	Chk Pass	None	None	Chk Pass	None	None	None
Value										
Range										

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**3278.1**	**49684.**	**5605.8**
Stddev	7.4	257.	32.6
%RSD	.22483	.51816	.58223
#1	3283.3	49866.	5628.8
#2	3272.9	49502.	5582.7

Sample Name: CCV-1390955 Acquired: 5/2/2012 0:30:42 Type: QC
Method: 6500_025(v2) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.50072**	**.48414**	**.98771**	**.48204**	**.49470**	**.45855**	**-.00291**	**4.6581**	**.50062**	**.49292**	**.49678**	**.51468**	**2.3992**
Stddev	.00404	.00011	.00672	.00087	.00079	.00108	.00174	.0045	.00062	.00062	.00058	.00395	.0043
%RSD	.80688	.02245	.68082	.17995	.16030	.23525	59.666	.09667	.12298	.12496	.11606	.76834	.18024
#1	.49787	.48422	.99246	.48142	.49414	.45779	-.00168	4.6613	.50106	.49335	.49637	.51188	2.3961
#2	.50358	.48406	.98295	.48265	.49526	.45931	-.00414	4.6550	.50019	.49248	.49718	.51747	2.4022
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**48.617**	**.96084**	**19.163**	**.49425**	**.49596**	**4.9972**	**.49001**	**.93745**	**1.0185**	**.03423**	**.97147**	**.99994**	**4.5722**
Stddev	.243	.00316	.166	.00408	.00024	.0214	.00087	.00903	.0012	.00155	.00090	.00520	.0138
%RSD	.49958	.32893	.86439	.82609	.04819	.42821	.17852	.96363	.11385	4.5196	.09217	.51993	.30094
#1	48.445	.95861	19.045	.49136	.49613	5.0123	.49063	.93106	1.0194	.03532	.97211	.99626	4.5624
#2	48.789	.96308	19.280	.49713	.49579	4.9821	.48939	.94384	1.0177	.03314	.97084	1.0036	4.5819
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**9.7844**	**.98827**	**.48700**	**.00081**	**.48091**	**1.0135**	**-.00045**	**.49360**	**.50118**	**.49009**
Stddev	.0295	.00234	.00096	.00052	.00248	.0012	.00889	.00497	.00556	.00488
%RSD	.30094	.23651	.19757	64.358	.51540	.12058	1956.3	1.0061	1.1091	.99513
#1	9.7636	.98993	.48632	.00044	.47916	1.0144	-.00674	.49009	.49725	.48664
#2	9.8052	.98662	.48768	.00119	.48266	1.0126	.00583	.49711	.50511	.49354
Check ?	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value										
Range										

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**3338.1**	**49585.**	**5506.1**
Stddev	2.8	760.	60.7
%RSD	.08476	1.5326	1.1026
#1	3336.1	50122.	5549.1
#2	3340.1	49047.	5463.2

Sample Name: CCB Acquired: 5/2/2012 0:32:55 Type: QC
Method: 6500_025(v2) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00036**	**-.00007**	**-.00427**	**.00284**	**.00049**	**.00019**	**-.00256**	**.00118**	**.00007**	**-.00027**	**-.00001**	**-.00087**
Stddev	.00011	.00039	.00118	.00096	.00011	.00010	.00057	.00175	.00015	.00003	.00019	.00001
%RSD	30.965	534.55	27.558	33.798	22.068	51.992	22.247	147.68	230.02	11.846	2057.1	1.7109
#1	.00044	.00020	-.00510	.00352	.00057	.00026	-.00216	-.00005	.00018	-.00025	.00012	-.00086
#2	.00028	-.00035	-.00344	.00216	.00042	.00012	-.00296	.00242	-.00004	-.00029	-.00014	-.00088
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit												
Low Limit												

Elem	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00161**	**.08096**	W **.00301**	**.00571**	**.00016**	**.00090**	F **.28954**	**-.00048**	**.00181**	**.00062**	**.03122**	**.00011**
Stddev	.00354	.04394	.00036	.00090	.00003	.00078	.00295	.00026	.00522	.00060	.00090	.00173
%RSD	219.29	54.279	12.009	15.671	17.019	86.100	1.0175	54.498	287.84	97.080	2.8820	1519.8
#1	-.00089	.04989	.00275	.00635	.00014	.00035	.28746	-.00066	-.00188	.00105	.03186	-.00111
#2	.00411	.11203	.00326	.00508	.00018	.00145	.29163	-.00029	.00550	.00020	.03059	.00134
Check ?	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit			.00261				.18320					
Low Limit			-.00261				-.18320					

Elem	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00007**	**-.00563**	**-.01206**	**.00152**	**.00015**	**.00028**	**.00022**	**.00202**	**.00696**	**-.00017**	**.00239**	**-.00068**
Stddev	.00444	.01153	.02468	.00022	.00001	.00113	.00002	.00254	.02805	.00050	.00047	.00147
%RSD	6273.2	204.67	204.67	14.602	5.5424	406.43	10.661	126.02	403.32	288.70	19.633	214.86
#1	.00307	-.01379	-.02951	.00136	.00015	.00107	.00020	.00382	-.01288	.00018	.00272	.00035
#2	-.00321	.00252	.00539	.00168	.00016	-.00052	.00024	.00022	.02679	-.00052	.00206	-.00172
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit												
Low Limit												

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**3354.2**	**51963.**	**5562.1**
Stddev	5.9	138.	41.8
%RSD	.17470	.26541	.75205
#1	3350.0	51865.	5591.7
#2	3358.3	52061.	5532.6

Sample Name: CCVL1390952 Acquired: 5/2/2012 0:35:20 Type: QC
Method: 6500_025(v2) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01087**	**.10055**	**.01558**	**.09835**	**.01014**	**.00104**	**.11466**	**.18515**	**.00517**	**.01019**	**.00999**	**.01545**	**.09589**
Stddev	.00005	.00095	.00378	.00023	.00011	.00004	.00008	.00228	.00012	.00019	.00000	.00018	.00053
%RSD	.43306	.94608	24.265	.23598	1.0529	4.1463	.07366	1.2302	2.2293	1.8494	.04801	1.1331	.55773
#1	.01084	.10123	.01825	.09851	.01006	.00101	.11471	.18354	.00525	.01006	.00999	.01533	.09551
#2	.01091	.09988	.01290	.09818	.01021	.00107	.11460	.18676	.00508	.01033	.01000	.01558	.09627
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**3.0363**	**.00961**	**.20440**	**.01043**	**.01995**	**1.2234**	**.04013**	**2.7753**	**.00892**	**.02940**	F **.00584**	**.01547**	**.45575**
Stddev	.0247	.00013	.00465	.00001	.00026	.0118	.00013	.0018	.00021	.00065	.00227	.00486	.00831
%RSD	.81401	1.3202	2.2757	.12365	1.3174	.96012	.31779	.06514	2.3429	2.2272	38.839	31.411	1.8238
#1	3.0188	.00952	.20111	.01042	.02014	1.2151	.04004	2.7740	.00907	.02894	.00424	.01891	.46163
#2	3.0538	.00970	.20769	.01044	.01977	1.2317	.04022	2.7765	.00877	.02986	.00744	.01204	.44987
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Fail	Chk Pass	Chk Pass
Value											.01000		
Range											-30.000%		

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.97530**	**.10186**	**.00985**	**.01564**	**.00986**	**.01590**	F **.08730**	**.00970**	**.02281**	**.01520**
Stddev	.01779	.00002	.00005	.00076	.00015	.00001	.01453	.00020	.00090	.00004
%RSD	1.8238	.01731	.47031	4.8684	1.4951	.03602	16.642	2.1055	3.9473	.26567
#1	.98788	.10187	.00982	.01618	.00996	.01590	.07703	.00955	.02218	.01523
#2	.96272	.10185	.00988	.01510	.00975	.01591	.09757	.00984	.02345	.01517
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
Value							.06000			
Range							30.000%			

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**3431.3**	**52742.**	**5682.0**
Stddev	10.6	458.	48.2
%RSD	.30758	.86912	.84774
#1	3438.8	53066.	5716.1
#2	3423.9	52418.	5647.9

Sample Name: MB 280-117487/1-A Acquired: 5/2/2012 0:37:43 Type: Unk
Method: 6500_025(v2) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 117487 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00026**	**.00114**	**-.00451**	**.00180**	**.00016**	**.00006**	**-.00289**	**.01012**	**.00028**	**-.00005**
Stddev	.00017	.00007	.00098	.00038	.00014	.00003	.00515	.00037	.00002	.00017
%RSD	64.290	6.0423	21.651	21.303	88.325	54.400	178.20	3.6544	7.5442	334.23
#1	.00038	.00110	-.00520	.00207	.00025	.00008	-.00653	.01038	.00027	-.00017
#2	.00014	.00119	-.00382	.00153	.00006	.00004	.00075	.00986	.00030	.00007
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00001**	**-.00103**	**.00177**	**.04995**	**.00082**	**.00271**	**.00012**	**.00001**	**.24669**	**-.00050**
Stddev	.00020	.00010	.00358	.00113	.00060	.00086	.00000	.00036	.00660	.00007
%RSD	1621.6	9.3474	201.67	2.2631	73.605	31.554	1.0071	2392.2	2.6774	14.394
#1	.00015	-.00096	.00430	.05075	.00125	.00332	.00012	-.00024	.25136	-.00056
#2	-.00013	-.00110	-.00076	.04915	.00039	.00211	.00012	.00027	.24202	-.00045
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00233**	**-.00036**	F **.03010**	**-.00032**	**.00408**	F **-.01957**	**-.04187**	**.00115**	**.00010**	**.00143**
Stddev	.00141	.00002	.00103	.00018	.00157	.00051	.00110	.00053	.00008	.00042
%RSD	60.325	5.4123	3.4278	54.029	38.422	2.6204	2.6204	45.738	86.574	29.413
#1	.00333	-.00034	.02937	-.00045	.00297	-.01993	-.04265	.00152	.00015	.00114
#2	.00134	-.00037	.03083	-.00020	.00519	-.01920	-.04110	.00078	.00004	.00173
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Fail	None	Chk Pass	Chk Pass	Chk Pass
High Limit			.01000			.01000				
Low Limit			-.01000			-.01000				

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00006**	**.00039**	**.01582**	**-.00004**	**.00167**	**-.00110**
Stddev	.00032	.00063	.01054	.00008	.00058	.00058
%RSD	518.66	159.22	66.638	196.42	34.574	53.242
#1	-.00017	-.00005	.02327	-.00009	.00207	-.00151
#2	.00029	.00084	.00837	.00002	.00126	-.00068
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**3409.5**	**52775.**	**5689.1**
Stddev	.8	169.	67.7
%RSD	.02448	.32045	1.1909
#1	3408.9	52655.	5641.2
#2	3410.1	52894.	5737.0

Sample Name: LCS 280-117487/2-A Acquired: 5/2/2012 0:40:08 Type: Unk
Method: 6500_025(v2) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 117487 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.05088**	**1.8268**	**1.0165**	**.97591**	**1.9676**	**.04637**	**2.1152**	**45.559**	**.09959**	**.48140**
Stddev	.00018	.0004	.0000	.00078	.0104	.00021	.0100	.219	.00014	.00008
%RSD	.34732	.01950	.00398	.07958	.52972	.44848	.47084	.47999	.14148	.01632
#1	.05100	1.8265	1.0165	.97646	1.9750	.04652	2.1223	45.714	.09969	.48134
#2	.05075	1.8270	1.0164	.97536	1.9603	.04622	2.1082	45.405	.09949	.48145
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.19687**	**.25754**	**.94734**	**48.744**	**.96136**	**47.327**	**.49465**	**1.0032**	**50.605**	**.48052**
Stddev	.00050	.00150	.00677	.212	.00310	.324	.00299	.0008	.163	.00067
%RSD	.25223	.58098	.71422	.43400	.32237	.68497	.60453	.07438	.32208	.13940
#1	.19722	.25648	.95213	48.894	.96355	47.098	.49253	1.0038	50.720	.48005
#2	.19652	.25860	.94256	48.595	.95917	47.556	.49676	1.0027	50.490	.48099
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**9.6944**	**.48913**	**.03576**	**.48329**	**2.0227**	F **9.2825**	F **19.864**	**1.9665**	**.98412**	**1.0094**
Stddev	.0068	.00019	.00216	.00082	.0115	.0097	.021	.0006	.00478	.0053
%RSD	.07014	.03923	6.0323	.17022	.57012	.10450	.10450	.02841	.48545	.52416
#1	9.6896	.48926	.03729	.48271	2.0309	9.2893	19.879	1.9661	.98750	1.0056
#2	9.6992	.48899	.03424	.48387	2.0145	9.2756	19.850	1.9669	.98074	1.0131
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Fail	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit						11.500	24.610			
Low Limit						9.4000	20.100			

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.98031**	**1.9557**	**2.1791**	**.49882**	**.48978**	**.48461**
Stddev	.00391	.0023	.0019	.00413	.00447	.00391
%RSD	.39924	.11757	.08544	.82835	.91349	.80594
#1	.97754	1.9541	2.1804	.49589	.48661	.48737
#2	.98307	1.9573	2.1777	.50174	.49294	.48185
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**3265.9**	**50131.**	**5605.1**
Stddev	.9	323.	49.3
%RSD	.02784	.64478	.88034
#1	3265.3	50359.	5570.2
#2	3266.5	49902.	5640.0

Sample Name: 280-28207-D-1-A Acquired: 5/2/2012 0:42:18 Type: Unk
Method: 6500_025(v2) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 117487 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00040**	**1.2352**	**-.00342**	**.37683**	**.05497**	**.00008**	**-.00570**	W **506.09**	**.00083**	**.00061**
Stddev	.00062	.0042	.00315	.00053	.00045	.00010	.00188	1.31	.00026	.00031
%RSD	153.29	.34158	92.209	.14134	.81683	118.95	32.918	.25952	31.751	50.437
#1	-.00003	1.2382	-.00119	.37721	.05528	.00015	-.00437	507.02	.00064	.00082
#2	.00084	1.2323	-.00565	.37646	.05465	.00001	-.00702	505.16	.00101	.00039
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass
High Limit								500.00		
Low Limit								-.05000		

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00274**	**.00217**	**3.2069**	**2.7719**	**.08407**	**84.852**	**.40991**	**.00295**	**51.134**	**.00084**
Stddev	.00011	.00044	.0231	.0267	.00198	.397	.00230	.00030	.406	.00061
%RSD	3.8612	20.364	.71997	.96454	2.3540	.46796	.55999	10.317	.79387	72.157
#1	.00267	.00248	3.2232	2.7908	.08547	85.133	.41153	.00273	51.421	.00041
#2	.00282	.00186	3.1906	2.7530	.08267	84.571	.40828	.00316	50.847	.00127
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.08976**	**-.00082**	F **489.89**	**-.00113**	**.01126**	**11.281**	**24.142**	**.00063**	W **9.7004**	**.00068**
Stddev	.00180	.00003	.87	.00085	.00425	.063	.134	.00048	.0158	.00038
%RSD	2.0003	3.6844	.17787	75.720	37.797	.55597	.55597	75.510	.16323	56.657
#1	.08849	-.00080	489.28	-.00052	.01427	11.325	24.236	.00097	9.6892	.00095
#2	.09103	-.00084	490.51	-.00173	.00825	11.237	24.047	.00029	9.7116	.00041
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass
High Limit			200.00						5.0000	
Low Limit			-.20000						-.01000	

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01938**	**.00225**	**-.00724**	**.00432**	**.00767**	**.00028**
Stddev	.00039	.00186	.00575	.00019	.00129	.00008
%RSD	1.9987	82.737	79.407	4.3359	16.856	27.475
#1	.01911	.00093	-.00317	.00418	.00859	.00034
#2	.01966	.00357	-.01130	.00445	.00676	.00023
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**3073.1**	**47403.**	**5532.8**
Stddev	3.2	165.	31.4
%RSD	.10274	.34787	.56699
#1	3075.3	47287.	5510.7
#2	3070.8	47520.	5555.0

Sample Name: sd 280-28207-D-1-A@5 Acquired: 5/2/2012 0:44:49 Type: Unk
Method: 6500_025(v2) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 117487 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00034**	**.28064**	**-.00415**	**.07734**	**.01085**	**.00002**	**.00060**	**101.89**	**.00042**	**.00009**
Stddev	.00081	.00032	.00446	.00016	.00020	.00001	.00081	.66	.00022	.00033
%RSD	237.78	.11516	107.46	.20164	1.8206	27.617	133.75	.64726	52.960	363.72
#1	.00091	.28041	-.00100	.07745	.01099	.00002	.00003	102.36	.00026	.00032
#2	-.00023	.28087	-.00730	.07723	.01071	.00003	.00117	101.43	.00058	-.00014
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Na8183
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	818.326 { 41}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00061**	**-.00033**	**.63921**	**.54140**	**.01616**	**16.944**	**.08179**	**.00043**	**9.2906**	W **10.486**
Stddev	.00024	.00004	.00230	.01077	.00050	.050	.00058	.00036	.0518	.271
%RSD	38.941	13.305	.36054	1.9890	3.1201	.29487	.70990	83.575	.55744	2.5882
#1	.00078	-.00030	.64084	.53378	.01651	16.979	.08220	.00069	9.3272	10.678
#2	.00044	-.00036	.63758	.54901	.01580	16.909	.08138	.00018	9.2540	10.295
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn
High Limit										500.00
Low Limit										11.000

Elem	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077
Line	231.604 {446}	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00017**	**.01954**	**-.00123**	**95.777**	**-.00377**	**.00251**	**2.1858**	**4.6777**	**-.00041**	**1.9351**
Stddev	.00008	.00194	.00203	.036	.00073	.00231	.0168	.0360	.00057	.0082
%RSD	45.957	9.9543	164.45	.03802	19.412	92.003	.76955	.76955	138.95	.42380
#1	-.00011	.02091	-.00267	95.802	-.00326	.00088	2.1977	4.7032	-.00082	1.9409
#2	-.00022	.01816	.00020	95.751	-.00429	.00414	2.1740	4.6523	-.00001	1.9293
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	283.730 {119}	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00050**	**.00468**	**.00073**	**.00743**	**.00054**	**.00440**	**.00170**
Stddev	.00153	.00022	.00053	.02885	.00007	.00051	.00104
%RSD	305.45	4.7660	72.258	388.36	13.031	11.637	61.185
#1	.00158	.00483	.00036	-.01297	.00059	.00404	.00244
#2	-.00058	.00452	.00111	.02783	.00049	.00477	.00097
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**3287.2**	**51008.**	**5687.4**
Stddev	.9	118.	29.4
%RSD	.02590	.23187	.51639
#1	3287.8	50924.	5666.6
#2	3286.6	51092.	5708.1

Sample Name: 280-28207-D-1-B MS Acquired: 5/2/2012 0:47:11 Type: Unk
Method: 6500_025(v2) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 117487 6010B

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.05246**	**3.9287**	**1.0688**	**1.3305**	**2.0591**	**.04573**	F **2.1241**	W **532.21**	**.10323**	**.47184**
Stddev	.00046	.0179	.0027	.0020	.0161	.00034	.0020	4.94	.00031	.00001
%RSD	.87703	.45522	.25738	.15271	.78050	.74904	.09244	.92740	.30300	.00136
#1	.05278	3.9413	1.0707	1.3319	2.0477	.04549	2.1254	535.70	.10301	.47183
#2	.05213	3.9160	1.0669	1.3290	2.0704	.04597	2.1227	528.72	.10345	.47184
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Warn	Chk Pass	Chk Pass
High Limit							.10000	500.00		
Low Limit							-.10000	-.05000		

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.20115**	**.26575**	**4.1384**	**53.825**	**1.0872**	**129.22**	**.88877**	**1.0051**	**101.76**	**.46769**
Stddev	.00023	.00046	.0278	.372	.0038	.27	.00334	.0021	.69	.00006
%RSD	.11432	.17497	.67240	.69110	.34863	.21129	.37601	.20879	.68088	.01272
#1	.20131	.26608	4.1187	53.562	1.0845	129.41	.89113	1.0066	101.27	.46765
#2	.20099	.26542	4.1581	54.088	1.0899	129.03	.88641	1.0037	102.25	.46773
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **10.276**	**.47296**	F **480.50**	**.50004**	**2.1300**	**21.669**	**46.371**	**1.9159**	W **10.571**	**1.0113**
Stddev	.013	.00094	1.01	.00217	.0027	.152	.326	.0002	.076	.0044
%RSD	.12571	.19932	.21014	.43407	.12625	.70269	.70269	.01223	.72255	.43397
#1	10.285	.47230	481.21	.50158	2.1281	21.561	46.141	1.9158	10.625	1.0144
#2	10.267	.47363	479.78	.49851	2.1319	21.776	46.602	1.9161	10.517	1.0082
Check ?	Chk Warn	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass
High Limit	2.0000		200.00						5.0000	
Low Limit	-1.0000		-.20000						-.01000	

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.99654**	**1.8067**	**2.1530**	**.50971**	**.48079**	**.48210**
Stddev	.00395	.0013	.0059	.00323	.00265	.00620
%RSD	.39595	.07276	.27505	.63364	.55028	1.2861
#1	.99933	1.8076	2.1489	.51199	.48266	.47772
#2	.99375	1.8058	2.1572	.50742	.47892	.48649
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**2998.5**	**46668.**	**5473.1**
Stddev	2.5	157.	3.4
%RSD	.08184	.33610	.06248
#1	2996.8	46557.	5470.7
#2	3000.3	46779.	5475.5

Sample Name: 280-28207-D-1-C MSD Acquired: 5/2/2012 0:49:31 Type: Unk
Method: 6500_025(v2) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 117487 6010B

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.05211**	**3.8406**	**1.0662**	**1.3306**	**2.0473**	**.04559**	F **2.1079**	W **529.15**	**.10237**	**.46792**
Stddev	.00036	.0640	.0012	.0008	.0250	.00059	.0061	1.87	.00016	.00152
%RSD	.68273	1.6652	.11567	.05679	1.2233	1.2972	.29083	.35380	.15775	.32457
#1	.05236	3.7954	1.0671	1.3311	2.0296	.04518	2.1123	530.48	.10249	.46685
#2	.05186	3.8858	1.0653	1.3301	2.0650	.04601	2.1036	527.83	.10226	.46900
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Warn	Chk Pass	Chk Pass
High Limit							.10000	500.00		
Low Limit							-.10000	-.05000		

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.20016**	**.26502**	**4.1034**	**53.624**	**1.0809**	**129.14**	**.88833**	**1.0063**	**101.36**	**.46526**
Stddev	.00035	.00181	.0445	.667	.0125	.06	.00052	.0001	.91	.00030
%RSD	.17492	.68477	1.0847	1.2437	1.1526	.04962	.05803	.00537	.89701	.06552
#1	.19992	.26630	4.0720	53.152	1.0721	129.10	.88796	1.0063	100.72	.46505
#2	.20041	.26374	4.1349	54.095	1.0898	129.19	.88869	1.0062	102.00	.46548
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **10.206**	**.46946**	F **480.76**	**.49180**	**2.1191**	**21.477**	**45.961**	**1.9155**	W **10.674**	**1.0060**
Stddev	.024	.00109	.28	.00059	.0060	.263	.562	.0031	.176	.0034
%RSD	.23267	.23148	.05885	.12003	.28087	1.2236	1.2236	.16180	1.6513	.33782
#1	10.223	.47023	480.96	.49222	2.1233	21.291	45.563	1.9177	10.549	1.0036
#2	10.189	.46869	480.56	.49139	2.1149	21.663	46.359	1.9133	10.799	1.0084
Check ?	Chk Warn	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass
High Limit	2.0000		200.00						5.0000	
Low Limit	-1.0000		-.20000						-.01000	

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.99101**	**1.7963**	**2.1461**	**.50463**	**.47697**	**.48388**
Stddev	.00158	.0009	.0337	.00151	.00326	.00976
%RSD	.15900	.05227	1.5689	.29947	.68427	2.0163
#1	.98990	1.7969	2.1699	.50356	.47467	.47698
#2	.99213	1.7956	2.1223	.50570	.47928	.49078
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**3006.2**	**46879.**	**5479.4**
Stddev	2.3	193.	36.6
%RSD	.07524	.41126	.66737
#1	3007.8	47015.	5505.2
#2	3004.6	46742.	5453.5

Sample Name: 280-28207-D-2-A Acquired: 5/2/2012 0:51:50 Type: Unk
Method: 6500_025(v2) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 117487 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00035**	**1.2191**	**.03008**	**.58925**	**.05948**	**.00010**	**-.00497**	W **560.40**	**.00109**	**.00344**
Stddev	.00009	.0059	.00090	.00211	.00050	.00004	.00197	6.99	.00007	.00011
%RSD	26.121	.47999	3.0025	.35825	.84065	37.507	39.652	1.2466	6.3482	3.2958
#1	.00041	1.2232	.03072	.59074	.05912	.00012	-.00358	565.34	.00114	.00336
#2	.00028	1.2149	.02944	.58775	.05983	.00007	-.00637	555.46	.00105	.00352
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass
High Limit								500.00		
Low Limit								-.05000		

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00330**	**.00192**	**5.6487**	**4.2421**	**.09667**	**87.236**	**2.2134**	**.01216**	**95.475**	**.00299**
Stddev	.00025	.00063	.0650	.0055	.00263	.646	.0193	.00031	.875	.00005
%RSD	7.4808	33.106	1.1500	.12960	2.7253	.74060	.87045	2.5410	.91632	1.7889
#1	.00348	.00237	5.6028	4.2382	.09481	86.780	2.1997	.01194	94.856	.00295
#2	.00313	.00147	5.6946	4.2460	.09853	87.693	2.2270	.01238	96.093	.00303
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.23077**	**.00247**	F **507.68**	**.00116**	**.00788**	**11.931**	**25.532**	**-.00021**	W **11.228**	**.00300**
Stddev	.00024	.00077	.91	.00124	.00160	.114	.244	.00084	.114	.00044
%RSD	.10488	31.214	.17978	107.08	20.335	.95500	.95500	389.73	1.0142	14.588
#1	.23094	.00302	508.32	.00028	.00901	11.850	25.360	-.00081	11.148	.00331
#2	.23060	.00193	507.03	.00204	.00674	12.011	25.705	.00038	11.309	.00269
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass
High Limit			200.00						5.0000	
Low Limit			-.20000						-.01000	

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01891**	**.00259**	**-.02488**	**.00713**	**.00698**	**.00087**
Stddev	.00007	.00027	.00361	.00025	.00035	.00335
%RSD	.38784	10.495	14.499	3.5716	4.9795	383.64
#1	.01896	.00240	-.02743	.00695	.00723	-.00150
#2	.01885	.00278	-.02233	.00731	.00674	.00324
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**3034.3**	**46782.**	**5545.4**
Stddev	10.1	335.	44.3
%RSD	.33379	.71637	.79871
#1	3027.1	47019.	5576.7
#2	3041.4	46545.	5514.1

Sample Name: 280-28207-D-3-A Acquired: 5/2/2012 0:54:21 Type: Unk
Method: 6500_025(v2) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 117487 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00042	.71690	-.00054	.48010	.22679	.00009	-.00414	487.10	.00103	.00072
Stddev	.00052	.00789	.00514	.00209	.00062	.00002	.00382	9.19	.00008	.00001
%RSD	122.83	1.1002	955.96	.43614	.27175	19.165	92.245	1.8872	8.1007	.73964
#1	.00006	.72248	.00310	.47862	.22636	.00007	-.00684	480.60	.00097	.00072
#2	.00079	.71133	-.00417	.48158	.22723	.00010	-.00144	493.60	.00108	.00072
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00293	.00186	3.1781	3.4601	.08321	89.119	.74286	.00060	68.995	.00143
Stddev	.00033	.00023	.0106	.0391	.00143	.737	.00577	.00018	.065	.00031
%RSD	11.186	12.413	.33438	1.1308	1.7198	.82681	.77652	29.979	.09486	21.759
#1	.00270	.00170	3.1706	3.4878	.08220	88.598	.73878	.00048	68.949	.00165
#2	.00316	.00202	3.1856	3.4325	.08422	89.640	.74694	.00073	69.041	.00121
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.49697	-.00021	F 460.51	-.00116	.00547	8.5093	18.210	-.00090	W 10.327	-.00006
Stddev	.00340	.00150	.30	.00168	.00352	.0556	.119	.00072	.147	.00139
%RSD	.68387	729.32	.06614	145.29	64.316	.65327	.65327	79.988	1.4238	2166.7
#1	.49457	-.00127	460.73	.00003	.00298	8.4700	18.126	-.00039	10.431	.00092
#2	.49937	.00086	460.30	-.00235	.00796	8.5486	18.294	-.00141	10.223	-.00105
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass
High Limit			200.00						5.0000	
Low Limit			-.20000						-.01000	

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.01765	.00243	-.01138	.00680	.00808	.00254
Stddev	.00027	.00219	.00005	.00010	.00115	.00063
%RSD	1.5288	90.328	.40331	1.4686	14.253	24.821
#1	.01784	.00398	-.01134	.00673	.00889	.00299
#2	.01746	.00088	-.01141	.00688	.00726	.00210
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	3077.5	47477.	5583.1
Stddev	5.2	117.	16.0
%RSD	.16799	.24725	.28586
#1	3073.8	47560.	5594.4
#2	3081.1	47394.	5571.8

Sample Name: 280-28207-D-4-A Acquired: 5/2/2012 0:56:52 Type: Unk
Method: 6500_025(v2) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 117487 6010B

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00017**	W **3.1573**	**-.00465**	**.86706**	**.09976**	**.00024**	**-.00746**	**416.46**	**.00107**	**.00058**
Stddev	.00081	.0051	.00015	.00207	.00001	.00005	.00060	2.75	.00020	.00008
%RSD	466.39	.16280	3.1733	.23889	.00969	18.780	8.0467	.66150	18.633	13.283
#1	.00075	3.1609	-.00455	.86853	.09976	.00028	-.00788	418.41	.00121	.00052
#2	-.00040	3.1536	-.00476	.86560	.09977	.00021	-.00703	414.51	.00093	.00063
Check ?	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit		500.00								
Low Limit		3.2000								

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00563**	**.00402**	**3.4028**	**7.6200**	**.16634**	**71.444**	**.19258**	**.00016**	**340.03**	**.00148**
Stddev	.00016	.00042	.0015	.0094	.00274	.334	.00072	.00025	.43	.00021
%RSD	2.7761	10.514	.04498	.12364	1.6501	.46797	.37562	162.12	.12773	14.276
#1	.00552	.00432	3.4039	7.6267	.16828	71.680	.19309	.00034	339.72	.00163
#2	.00574	.00372	3.4018	7.6134	.16440	71.207	.19206	-.00002	340.33	.00133
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.28432**	**.00100**	F **511.18**	**-.00139**	**.00401**	**19.323**	**41.351**	**-.00086**	W **9.2414**	**.00097**
Stddev	.00594	.00004	.20	.00037	.00159	.090	.193	.00014	.0752	.00005
%RSD	2.0892	3.9651	.03915	26.394	39.664	.46591	.46591	16.365	.81410	5.1300
#1	.28852	.00102	511.32	-.00165	.00513	19.259	41.215	-.00096	9.2946	.00100
#2	.28012	.00097	511.03	-.00113	.00288	19.387	41.488	-.00076	9.1883	.00093
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass
High Limit			200.00						5.0000	
Low Limit			-.20000						-.01000	

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.07269**	**.00159**	**.00124**	**.01308**	**.01589**	**.00280**
Stddev	.00300	.00197	.03095	.00013	.00117	.00066
%RSD	4.1306	123.61	2494.2	.96856	7.3355	23.405
#1	.07481	.00020	-.02064	.01317	.01671	.00327
#2	.07056	.00298	.02313	.01299	.01506	.00234
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**3071.3**	**46703.**	**5660.7**
Stddev	4.2	129.	33.7
%RSD	.13801	.27722	.59444
#1	3074.3	46611.	5684.5
#2	3068.3	46794.	5636.9

Sample Name: CCVH-1390999 Acquired: 5/2/2012 0:59:30 Type: QC
Method: 6500_025(v2) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00171**	**47.173**	**.00128**	**.00496**	**.00056**	**.00001**	**1.0089**	**.15212**	**.00018**	**.00010**	**.00035**	**-.00450**
Stddev	.00028	.528	.00002	.00040	.00019	.00004	.0012	.04888	.00012	.00035	.00037	.00042
%RSD	16.363	1.1193	1.8191	7.9672	34.884	542.29	.11607	32.133	64.875	360.07	105.03	9.3369
#1	-.00152	47.547	.00126	.00524	.00042	.00004	1.0097	.18669	.00026	-.00015	.00061	-.00420
#2	-.00191	46.800	.00130	.00468	.00069	-.00002	1.0081	.11756	.00010	.00034	.00009	-.00480
Check ?	None	Chk Pass	None	None	None	None	Chk Pass	None	None	None	None	None
Value												
Range												

Elem	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316	P_1782	Pb2203	S_1820	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**46.951**	**.10831**	**.00039**	**-.01508**	**.00008**	**.00036**	**241.66**	**.00124**	**.00143**	**-.00084**	**5.0450**	**-.00120**
Stddev	.517	.01565	.00148	.00496	.00002	.00002	2.24	.00020	.00161	.00114	.0097	.00429
%RSD	1.1005	14.452	383.54	32.890	20.956	5.7297	.92871	16.281	113.05	135.76	.19190	356.55
#1	47.316	.11938	.00143	-.01157	.00007	.00035	243.24	.00139	.00029	-.00003	5.0382	.00183
#2	46.586	.09724	-.00066	-.01859	.00010	.00038	240.07	.00110	.00257	-.00165	5.0519	-.00423
Check ?	Chk Pass	None	None	None	None	None	Chk Pass	None	None	None	Chk Pass	None
Value												
Range												

Elem	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00192**	**.00078**	**.00166**	**.00184**	**.00345**	**5.0692**	**.00826**	**.00100**	W **10.534**	**-.00412**	**.00127**	**-.04818**
Stddev	.00274	.00489	.01046	.00017	.00108	.0386	.00007	.00170	.085	.00031	.00054	.00069
%RSD	142.90	629.57	629.57	9.3541	31.232	.76175	.79587	169.66	.80793	7.5858	42.603	1.4296
#1	.00386	.00423	.00906	.00171	.00422	5.0965	.00830	-.00020	10.594	-.00434	.00166	-.04769
#2	-.00002	-.00268	-.00574	.00196	.00269	5.0419	.00821	.00220	10.474	-.00390	.00089	-.04867
Check ?	None	None	None	None	None	Chk Pass	None	None	Chk Warn	None	None	None
Value									10.000			
Range									5.0000%			

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**3312.0**	**49890.**	**5704.9**
Stddev	9.7	394.	22.6
%RSD	.29258	.78965	.39564
#1	3318.8	49612.	5688.9
#2	3305.1	50169.	5720.9

Sample Name: CCV-1390955 Acquired: 5/2/2012 1:01:50 Type: QC
Method: 6500_025(v2) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.50604**	**.48094**	**.99453**	**.48050**	**.49083**	**.45169**	**-.00073**	**4.5961**	**.49850**	**.49239**	**.49483**	**.52286**
Stddev	.00138	.00218	.00976	.00062	.00178	.00183	.00052	.0166	.00016	.00043	.00021	.00174
%RSD	.27301	.45310	.98162	.12986	.36206	.40483	71.058	.36028	.03151	.08683	.04229	.33237
#1	.50507	.47940	.98763	.48095	.49209	.45298	-.00036	4.6078	.49861	.49269	.49498	.52163
#2	.50702	.48248	1.0014	.48006	.48958	.45040	-.00109	4.5844	.49839	.49209	.49468	.52409
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value												
Range												

Elem	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**2.3646**	**48.238**	**.95105**	**19.109**	**.49602**	**.49425**	**4.9140**	**.48963**	**.93917**	**1.0188**	**.05324**	**.96654**
Stddev	.0104	.300	.00519	.036	.00076	.00094	.0281	.00053	.00081	.0040	.00553	.00083
%RSD	.43894	.62254	.54532	.18708	.15303	.19011	.57247	.10908	.08645	.39205	10.380	.08628
#1	2.3719	48.450	.95472	19.083	.49549	.49358	4.9338	.49001	.93860	1.0216	.04933	.96713
#2	2.3572	48.025	.94739	19.134	.49656	.49491	4.8941	.48925	.93974	1.0160	.05714	.96595
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass
Value												
Range												

Elem	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.0087**	W **4.4957**	W **9.6207**	**.98374**	**.48260**	**.00002**	**.48421**	**1.0075**	**.03005**	**.49811**	**.49695**	**.48696**
Stddev	.0033	.0037	.0079	.00340	.00202	.00003	.00003	.0007	.02596	.00306	.00136	.00170
%RSD	.32620	.08238	.08238	.34559	.41808	148.30	.00664	.06656	86.382	.61529	.27272	.34884
#1	1.0111	4.4983	9.6263	.98614	.48402	.00004	.48423	1.0080	.04841	.49594	.49791	.48816
#2	1.0064	4.4930	9.6151	.98133	.48117	.00000	.48418	1.0071	.01170	.50027	.49599	.48576
Check ?	Chk Pass	Chk Warn	Chk Warn	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value		5.0000	10.700									
Range		-10.000%	-10.000%									

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**3373.5**	**51823.**	**5699.0**
Stddev	2.9	57.	17.0
%RSD	.08590	.10940	.29787
#1	3375.6	51783.	5687.0
#2	3371.5	51863.	5711.0

Sample Name: CCB Acquired: 5/2/2012 1:04:03 Type: QC
Method: 6500_025(v2) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00030**	**.00003**	**-.00153**	**.00305**	**.00029**	**.00018**	**-.00442**	**.00295**	**.00005**	**-.00001**	**.00012**	**-.00105**	**-.00001**
Stddev	.00022	.00030	.00138	.00023	.00016	.00004	.00063	.00518	.00011	.00017	.00022	.00001	.00061
%RSD	74.284	1051.1	90.071	7.4987	54.606	23.357	14.363	175.23	221.11	1493.7	190.05	1.2015	4371.4
#1	.00046	.00024	-.00055	.00321	.00041	.00021	-.00486	.00661	-.00003	-.00013	-.00004	-.00104	.00042
#2	.00014	-.00019	-.00250	.00289	.00018	.00015	-.00397	-.00071	.00013	.00011	.00027	-.00106	-.00044
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit													
Low Limit													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.06797**	**.00112**	**.00414**	**.00008**	**.00091**	F **.22491**	**-.00036**	**.00047**	**-.00004**	**.04784**	**-.00175**	**.00245**	**-.01746**
Stddev	.01649	.00166	.00173	.00006	.00008	.01856	.00029	.00300	.00034	.00868	.00096	.00395	.01185
%RSD	24.264	147.55	41.867	66.160	9.0452	8.2504	79.766	637.08	874.63	18.140	54.943	161.50	67.877
#1	.07963	.00229	.00537	.00012	.00097	.23803	-.00056	.00259	-.00028	.04170	-.00243	-.00035	-.02583
#2	.05631	-.00005	.00291	.00005	.00085	.21179	-.00016	-.00165	.00020	.05397	-.00107	.00524	-.00908
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						.18320							
Low Limit						-.18320							

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.03736**	**.00100**	**.00025**	**.00123**	**.00047**	**-.00087**	**.01198**	**-.00046**	**.00226**	**.00032**
Stddev	.02536	.00037	.00013	.00190	.00011	.00067	.00640	.00004	.00036	.00056
%RSD	67.877	37.329	52.722	155.40	24.032	76.146	53.475	8.6775	16.045	175.80
#1	-.05529	.00127	.00034	.00257	.00055	-.00134	.00745	-.00043	.00200	-.00008
#2	-.01943	.00074	.00016	-.00012	.00039	-.00040	.01650	-.00049	.00251	.00071
Check ?	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**3381.8**	**52327.**	**5658.3**
Stddev	4.2	81.	32.9
%RSD	.12473	.15541	.58200
#1	3384.8	52270.	5635.0
#2	3378.8	52385.	5681.6

Sample Name: CCVL1390952 Acquired: 5/2/2012 1:06:29 Type: QC
Method: 6500_025(v2) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01095**	**.09982**	**.01379**	**.09685**	**.01001**	**.00092**	**.10928**	**.18827**	**.00512**	**.01021**	**.01007**	**.01497**	**.09563**
Stddev	.00004	.00021	.00205	.00115	.00016	.00001	.00475	.00122	.00009	.00004	.00024	.00054	.00162
%RSD	.39079	.21337	14.885	1.1875	1.6034	.58875	4.3446	.64968	1.6626	.41563	2.3495	3.6041	1.6909
#1	.01092	.09967	.01524	.09766	.00990	.00092	.11263	.18741	.00518	.01024	.01024	.01536	.09678
#2	.01098	.09997	.01234	.09603	.01012	.00092	.10592	.18914	.00506	.01018	.00991	.01459	.09449
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**2.9915**	**.00973**	**.20249**	**.01033**	**.01979**	**1.1647**	**.03935**	**2.7498**	**.00935**	**.03907**	F **.00590**	**.01421**	**.43304**
Stddev	.0269	.00325	.00190	.00009	.00005	.0021	.00024	.0125	.00105	.00363	.00132	.00348	.00950
%RSD	.90021	33.344	.93614	.87910	.24338	.17695	.60762	.45511	11.255	9.3023	22.431	24.465	2.1946
#1	3.0105	.01203	.20383	.01040	.01975	1.1633	.03952	2.7586	.00861	.03650	.00497	.01175	.43976
#2	2.9724	.00744	.20114	.01027	.01982	1.1662	.03918	2.7409	.01009	.04164	.00684	.01666	.42632
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Fail	Chk Pass	Chk Pass
Value											.01000		
Range											-30.000%		

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.92670**	**.10126**	**.00992**	**.01566**	**.00977**	**.01624**	**.06826**	**.00952**	**.02215**	**.01399**
Stddev	.02034	.00075	.00010	.00004	.00013	.00106	.02427	.00019	.00044	.00053
%RSD	2.1946	.74100	1.0239	.26595	1.2917	6.5320	35.555	2.0405	1.9957	3.7559
#1	.94108	.10179	.00999	.01563	.00968	.01699	.08543	.00966	.02246	.01436
#2	.91232	.10073	.00984	.01569	.00986	.01549	.05110	.00938	.02184	.01362
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value										
Range										

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**3454.8**	**53073.**	**5761.1**
Stddev	.6	290.	26.6
%RSD	.01650	.54594	.46120
#1	3455.2	52868.	5779.9
#2	3454.4	53278.	5742.3

Sample Name: 280-28208-D-1-A Acquired: 5/2/2012 1:08:52 Type: Unk
Method: 6500_025(v2) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 117487 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00014**	**.34298**	**.07953**	**.52923**	**.01726**	**.00025**	**-.00452**	W **526.84**	**.00067**	**-.00015**
Stddev	.00009	.00016	.00039	.00083	.00017	.00003	.00013	5.22	.00001	.00011
%RSD	68.647	.04591	.48810	.15644	.96315	12.450	2.8277	.99141	1.5457	70.792
#1	-.00020	.34310	.07926	.52864	.01714	.00023	-.00443	530.53	.00067	-.00008
#2	-.00007	.34287	.07981	.52981	.01738	.00027	-.00461	523.14	.00066	-.00023
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass
High Limit								500.00		
Low Limit								-.05000		

Elem	Cr2055	Cu3247	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	271.441 {124}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00186**	**.00152**	**62.416**	**4.0997**	**.09375**	**92.453**	**.02399**	**.00861**	**68.219**	**-.00036**
Stddev	.00013	.00056	.769	.0402	.00207	.100	.00011	.00031	.225	.00034
%RSD	6.9868	36.772	1.2327	.98137	2.2028	.10847	.47004	3.5997	.32990	94.334
#1	.00195	.00191	61.872	4.0713	.09229	92.383	.02391	.00839	68.060	-.00012
#2	.00176	.00112	62.960	4.1282	.09521	92.524	.02407	.00883	68.378	-.00061
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.9350**	**-.00008**	F **547.79**	**.02990**	**.00345**	**10.512**	**22.496**	**.00123**	W **10.821**	**-.00133**
Stddev	.0099	.00041	.64	.00059	.00246	.104	.223	.00019	.014	.00176
%RSD	.51345	537.67	.11663	1.9691	71.389	.99339	.99339	15.090	.13007	132.44
#1	1.9420	-.00036	548.24	.03032	.00171	10.438	22.338	.00110	10.831	-.00008
#2	1.9279	.00021	547.34	.02949	.00519	10.586	22.654	.00136	10.811	-.00257
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass
High Limit			200.00						5.0000	
Low Limit			-.20000						-.01000	

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00638**	**-.00002**	**.00146**	**.00210**	**.00479**	**.00442**
Stddev	.00030	.00094	.00210	.00007	.00042	.00064
%RSD	4.7297	4135.4	143.46	3.1658	8.8594	14.412
#1	.00617	-.00069	-.00002	.00206	.00509	.00487
#2	.00659	.00065	.00295	.00215	.00449	.00397
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**3052.9**	**47396.**	**5634.7**
Stddev	3.4	75.	10.9
%RSD	.11086	.15726	.19272
#1	3050.5	47449.	5642.4
#2	3055.3	47343.	5627.1

Sample Name: 280-28208-D-2-A Acquired: 5/2/2012 1:11:24 Type: Unk
Method: 6500_025(v2) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 117487 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00007**	**.14222**	**.03537**	**.73474**	**.01698**	**.00005**	**-.00334**	W **522.91**	**.00090**	**.00387**
Stddev	.00017	.00048	.00352	.00149	.00012	.00000	.00151	8.69	.00007	.00014
%RSD	243.10	.33550	9.9408	.20249	.71806	1.8332	45.257	1.6618	7.6425	3.5556
#1	.00019	.14188	.03289	.73368	.01690	.00005	-.00227	516.76	.00095	.00377
#2	-.00005	.14255	.03786	.73579	.01707	.00005	-.00441	529.05	.00085	.00396
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass
High Limit								500.00		
Low Limit								-.05000		

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00045**	**.00072**	**8.5270**	**2.9806**	**.12067**	**78.278**	**1.5227**	**.00526**	**161.47**	**-.00005**
Stddev	.00010	.00055	.0814	.0213	.00108	.477	.0112	.00002	1.64	.00003
%RSD	22.556	76.728	.95422	.71580	.89545	.60937	.73626	.45071	1.0142	49.119
#1	.00038	.00033	8.5845	2.9957	.11990	78.615	1.5307	.00525	162.63	-.00007
#2	.00052	.00111	8.4695	2.9656	.12143	77.940	1.5148	.00528	160.31	-.00004
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.08601**	**.00007**	F **545.85**	**.00025**	**.00904**	**9.6851**	**20.726**	**-.00024**	W **10.468**	**-.00081**
Stddev	.00118	.00036	.95	.00038	.00232	.0299	.064	.00000	.251	.00065
%RSD	1.3681	530.55	.17435	152.83	25.608	.30912	.30912	2.0465	2.3982	79.400
#1	.08518	-.00019	545.18	-.00002	.01068	9.7062	20.771	-.00023	10.646	-.00127
#2	.08684	.00032	546.53	.00052	.00740	9.6639	20.681	-.00024	10.291	-.00036
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass
High Limit			200.00						5.0000	
Low Limit			-.20000						-.01000	

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00327**	**.00205**	**-.00599**	**.00092**	**.00378**	**-.00014**
Stddev	.00005	.00077	.00742	.00023	.00023	.00049
%RSD	1.5098	37.597	123.85	25.414	6.0057	351.21
#1	.00324	.00150	-.00074	.00109	.00362	.00020
#2	.00331	.00259	-.01123	.00076	.00394	-.00048
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**3046.8**	**46879.**	**5525.0**
Stddev	1.8	193.	.9
%RSD	.05838	.41154	.01660
#1	3048.1	46743.	5525.7
#2	3045.6	47016.	5524.4

Sample Name: 280-28208-D-3-A Acquired: 5/2/2012 1:13:56 Type: Unk
Method: 6500_025(v2) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 117487 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00033**	**.19517**	**-.00171**	**.65956**	**.01643**	**.00003**	**-.00376**	**461.96**	**.00093**	**.00119**
Stddev	.00030	.00111	.00221	.00282	.00003	.00004	.00010	13.39	.00020	.00019
%RSD	89.561	.56653	129.02	.42809	.18945	115.81	2.7034	2.8992	21.605	15.624
#1	.00012	.19439	-.00328	.65756	.01641	.00001	-.00369	471.43	.00079	.00132
#2	.00054	.19595	-.00015	.66155	.01645	.00006	-.00383	452.49	.00108	.00106
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00061**	**.00099**	**.81465**	**4.5402**	**.12982**	**75.746**	**.10144**	**.00263**	**177.46**	**.00004**
Stddev	.00039	.00013	.00535	.0430	.00011	.324	.00044	.00039	1.01	.00000
%RSD	63.636	12.675	.65699	.94671	.08329	.42732	.43093	14.934	.57126	7.0404
#1	.00033	.00108	.81086	4.5098	.12975	75.517	.10113	.00290	176.74	.00003
#2	.00088	.00090	.81843	4.5706	.12990	75.974	.10175	.00235	178.17	.00004
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.06998**	**.00084**	F **520.22**	**.00029**	**.00639**	**7.7507**	**16.587**	**-.00003**	W **9.7777**	**-.00052**
Stddev	.00164	.00256	.78	.00091	.00180	.1275	.273	.00083	.2020	.00045
%RSD	2.3450	305.44	.15052	315.07	28.219	1.6447	1.6447	2532.7	2.0655	86.519
#1	.06882	-.00097	519.67	.00093	.00511	7.6606	16.394	-.00062	9.6349	-.00084
#2	.07114	.00265	520.78	-.00036	.00766	7.8409	16.779	.00055	9.9205	-.00020
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass
High Limit			200.00						5.0000	
Low Limit			-.20000						-.01000	

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00491**	**-.00023**	**.00652**	**.00098**	**.00314**	**-.00014**
Stddev	.00003	.00086	.01200	.00042	.00051	.00082
%RSD	.60088	378.96	184.12	42.986	16.179	575.12
#1	.00489	.00038	.01500	.00127	.00350	-.00073
#2	.00494	-.00083	-.00197	.00068	.00278	.00044
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**3060.1**	**47438.**	**5582.2**
Stddev	4.3	80.	36.1
%RSD	.14111	.16888	.64587
#1	3063.1	47495.	5607.7
#2	3057.0	47382.	5556.7

Sample Name: 280-28208-D-4-A Acquired: 5/2/2012 1:16:28 Type: Unk
Method: 6500_025(v2) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 117487 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00030**	**.66673**	**-.00047**	**.57140**	**.02649**	**.00008**	**-.00714**	**422.45**	**.00089**	**.00010**
Stddev	.00033	.00300	.00358	.00064	.00036	.00009	.00003	7.80	.00008	.00002
%RSD	110.51	.45022	770.85	.11233	1.3614	104.23	.48601	1.8457	9.4563	24.355
#1	.00053	.66886	-.00300	.57185	.02674	.00002	-.00716	416.94	.00083	.00011
#2	.00006	.66461	.00207	.57095	.02623	.00015	-.00711	427.97	.00095	.00008
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00104**	**.00126**	**.97328**	**4.4669**	**.12871**	**70.359**	**.03286**	**.00164**	**195.74**	**.00058**
Stddev	.00004	.00030	.00078	.0453	.00001	.553	.00012	.00028	.94	.00029
%RSD	4.1941	23.852	.07987	1.0150	.01141	.78536	.37573	17.121	.47847	50.286
#1	.00107	.00147	.97383	4.4990	.12872	70.750	.03295	.00144	196.41	.00037
#2	.00101	.00105	.97273	4.4349	.12870	69.969	.03278	.00184	195.08	.00079
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.07539**	**.00014**	F **465.60**	**-.00056**	**.00572**	**10.616**	**22.719**	**-.00005**	W **9.1779**	**-.00094**
Stddev	.00039	.00015	.79	.00394	.00182	.061	.131	.00168	.0253	.00210
%RSD	.51893	107.14	.16924	697.50	31.759	.57798	.57798	3516.5	.27521	223.74
#1	.07567	.00003	465.04	.00222	.00444	10.660	22.811	.00114	9.1958	.00055
#2	.07511	.00024	466.15	-.00335	.00701	10.573	22.626	-.00123	9.1601	-.00242
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass
High Limit			200.00						5.0000	
Low Limit			-.20000						-.01000	

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01881**	**.00202**	**-.00780**	**.00437**	**.00750**	**.00138**
Stddev	.00021	.00018	.00428	.00010	.00026	.00025
%RSD	1.1333	8.9673	54.809	2.2049	3.5140	18.170
#1	.01896	.00215	-.00478	.00443	.00731	.00155
#2	.01865	.00189	-.01083	.00430	.00769	.00120
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**3071.2**	**47330.**	**5604.8**
Stddev	.4	246.	18.6
%RSD	.01443	.51990	.33246
#1	3071.6	47156.	5617.9
#2	3070.9	47504.	5591.6

Sample Name: 280-28208-D-5-A Acquired: 5/2/2012 1:19:00 Type: Unk
Method: 6500_025(v2) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 117487 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00009**	**.00585**	**-.00258**	**.28912**	**.01514**	**.00010**	**-.00337**	**379.98**	**.00093**	**-.00006**
Stddev	.00007	.00012	.00211	.00046	.00017	.00002	.00113	6.84	.00002	.00015
%RSD	72.754	2.0951	81.812	.15883	1.1136	22.671	33.671	1.7991	2.0750	251.96
#1	.00005	.00594	-.00109	.28944	.01502	.00009	-.00256	384.82	.00095	-.00017
#2	.00014	.00576	-.00408	.28879	.01526	.00012	-.00417	375.15	.00092	.00005
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00020**	**.00077**	**.01528**	**2.1982**	**.07557**	**85.479**	**.01244**	**.00367**	**40.545**	**.00077**
Stddev	.00012	.00008	.00008	.0645	.00131	.332	.00005	.00028	.082	.00012
%RSD	59.312	10.039	.50342	2.9330	1.7353	.38890	.42448	7.6011	.20136	16.085
#1	.00028	.00071	.01522	2.2438	.07650	85.714	.01248	.00387	40.603	.00086
#2	.00012	.00082	.01533	2.1526	.07464	85.243	.01240	.00348	40.487	.00069
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01127**	**-.00038**	F **388.42**	**-.00084**	**.00421**	**6.4747**	**13.856**	**-.00024**	W **8.0034**	**.00056**
Stddev	.00038	.00154	.06	.00112	.00753	.0025	.005	.00019	.1380	.00048
%RSD	3.3425	402.80	.01516	134.13	178.92	.03839	.03839	78.092	1.7239	84.976
#1	.01153	-.00147	388.38	-.00163	-.00112	6.4730	13.852	-.00038	8.1010	.00022
#2	.01100	.00071	388.46	-.00004	.00954	6.4765	13.860	-.00011	7.9059	.00090
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass
High Limit			200.00						5.0000	
Low Limit			-.20000						-.01000	

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00052**	**.00276**	**-.00186**	**.00227**	**.00383**	**-.00035**
Stddev	.00013	.00140	.04371	.00008	.00024	.00054
%RSD	24.898	50.639	2352.5	3.4363	6.3498	154.34
#1	.00043	.00177	.02905	.00232	.00400	-.00073
#2	.00061	.00375	-.03276	.00221	.00366	.00003
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**3105.7**	**48484.**	**5594.8**
Stddev	9.7	49.	18.1
%RSD	.31104	.10038	.32363
#1	3112.5	48449.	5582.0
#2	3098.9	48518.	5607.6

Sample Name: 280-28208-D-6-A Acquired: 5/2/2012 1:21:33 Type: Unk
Method: 6500_025(v2) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 117487 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00009**	**.17617**	**-.00392**	**.41738**	**.01635**	**.00014**	**-.00766**	**490.63**	**.00111**	**-.00015**
Stddev	.00021	.00050	.00499	.00005	.00054	.00002	.00300	1.55	.00002	.00001
%RSD	238.19	.28651	127.40	.01250	3.2724	13.706	39.223	.31596	2.1328	8.1239
#1	.00006	.17652	-.00744	.41734	.01673	.00012	-.00978	489.54	.00110	-.00016
#2	-.00024	.17581	-.00039	.41742	.01597	.00015	-.00553	491.73	.00113	-.00014
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00076**	**.00079**	**.13232**	**3.2418**	**.08569**	**92.840**	**.03042**	**.00426**	**53.061**	**-.00016**
Stddev	.00007	.00000	.00138	.0026	.00090	.536	.00006	.00030	.424	.00009
%RSD	9.2883	.11168	1.0433	.07940	1.0500	.57725	.21306	7.0377	.79972	54.239
#1	.00081	.00079	.13329	3.2437	.08506	93.219	.03046	.00447	53.361	-.00023
#2	.00071	.00079	.13134	3.2400	.08633	92.461	.03037	.00405	52.761	-.00010
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.03399**	**-.00135**	F **496.07**	**-.00190**	**.01105**	**7.1777**	**15.360**	**-.00029**	W **10.401**	**-.00045**
Stddev	.00028	.00074	1.30	.00038	.00012	.0486	.104	.00086	.271	.00366
%RSD	.83831	54.705	.26284	19.808	1.0484	.67653	.67653	296.15	2.6088	816.96
#1	.03420	-.00187	497.00	-.00163	.01113	7.2121	15.434	-.00090	10.593	-.00304
#2	.03379	-.00083	495.15	-.00217	.01097	7.1434	15.287	.00032	10.209	.00214
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass
High Limit			200.00						5.0000	
Low Limit			-.20000						-.01000	

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00545**	**.00178**	**.01692**	**.00150**	**.00240**	**.00123**
Stddev	.00017	.00103	.02578	.00016	.00084	.00002
%RSD	3.0972	57.849	152.34	10.873	35.044	1.4815
#1	.00557	.00250	-.00131	.00138	.00180	.00122
#2	.00533	.00105	.03516	.00161	.00299	.00125
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**3060.5**	**47447.**	**5584.0**
Stddev	9.3	203.	25.1
%RSD	.30409	.42863	.45008
#1	3053.9	47303.	5566.3
#2	3067.0	47590.	5601.8

Sample Name: CCVH-1390999 Acquired: 5/2/2012 1:24:06 Type: QC
Method: 6500_025(v2) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00175**	**47.162**	**.00139**	**.00440**	**.00061**	**.00011**	**1.0138**	**.06616**	**.00002**	**.00026**	**.00015**	**-.00462**
Stddev	.00016	.223	.00449	.00027	.00011	.00001	.0022	.00406	.00010	.00003	.00005	.00045
%RSD	9.0026	.47367	323.25	6.1063	17.729	5.4129	.22018	6.1380	626.15	10.451	36.034	9.7704
#1	-.00164	47.320	.00456	.00421	.00069	.00010	1.0153	.06903	-.00005	.00028	.00011	-.00494
#2	-.00186	47.004	-.00179	.00459	.00053	.00011	1.0122	.06329	.00009	.00024	.00018	-.00430
Check ?	None	Chk Pass	None	None	None	None	Chk Pass	None	None	None	None	None
Value												
Range												

Elem	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316	P_1782	Pb2203	S_1820	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**47.006**	**.09743**	**.00093**	**-.01941**	**.00009**	**.00080**	**243.52**	**.00121**	**.00543**	**.00017**	**5.0307**	**-.00495**
Stddev	.071	.02217	.00235	.00145	.00002	.00048	.86	.00006	.00009	.00128	.0156	.00068
%RSD	.15206	22.758	251.46	7.4720	19.977	59.973	.35353	4.7481	1.7311	753.07	.30987	13.795
#1	47.056	.08175	.00259	-.01838	.00011	.00114	244.13	.00125	.00536	.00107	5.0417	-.00447
#2	46.955	.11310	-.00073	-.02043	.00008	.00046	242.91	.00117	.00550	-.00073	5.0197	-.00544
Check ?	Chk Pass	None	None	None	None	None	Chk Pass	None	None	None	Chk Pass	None
Value												
Range												

Elem	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00487**	**-.00950**	**-.02033**	**.00190**	**.00158**	**5.0775**	**.00806**	**-.00009**	W **10.550**	**-.00422**	**.00161**	**-.04933**
Stddev	.00257	.00316	.00676	.00097	.00011	.0376	.00057	.00180	.063	.00020	.00052	.00191
%RSD	52.764	33.263	33.263	51.149	7.1934	.74026	7.0144	2020.1	.59837	4.8548	32.477	3.8689
#1	.00669	-.01173	-.02511	.00258	.00166	5.1041	.00846	.00118	10.594	-.00436	.00198	-.05068
#2	.00306	-.00727	-.01555	.00121	.00150	5.0510	.00766	-.00136	10.505	-.00407	.00124	-.04798
Check ?	None	None	None	None	None	Chk Pass	None	None	Chk Warn	None	None	None
Value									10.000			
Range									5.0000%			

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**3292.3**	**49736.**	**5660.3**
Stddev	5.0	149.	26.2
%RSD	.15066	.29857	.46215
#1	3288.8	49631.	5678.8
#2	3295.8	49841.	5641.8

Sample Name: CCV-1390955 Acquired: 5/2/2012 1:26:26 Type: QC
Method: 6500_025(v2) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.50772**	**.48575**	**1.0064**	**.48428**	**.49889**	**.45881**	**-.00163**	**4.6541**	**.50342**	**.49668**	**.49992**	**.52371**	**2.4032**
Stddev	.00419	.00251	.0004	.00103	.00407	.00520	.00329	.0332	.00065	.00032	.00077	.00378	.0282
%RSD	.82560	.51695	.03545	.21172	.81619	1.1338	201.46	.71243	.12915	.06379	.15477	.72145	1.1746
#1	.50476	.48398	1.0067	.48355	.50177	.46249	-.00396	4.6776	.50296	.49646	.49938	.52103	2.4232
#2	.51069	.48753	1.0062	.48500	.49601	.45513	.00069	4.6307	.50388	.49691	.50047	.52638	2.3833
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**48.942**	**.96533**	**19.256**	**.49975**	**.49968**	**4.9148**	**.49406**	**.94976**	**1.0236**	**.05011**	**.97489**	**1.0177**	**4.5861**
Stddev	.292	.01180	.155	.00371	.00028	.0730	.00093	.00147	.0027	.00276	.00511	.0011	.0393
%RSD	.59702	1.2224	.80555	.74286	.05600	1.4857	.18769	.15428	.26118	5.5147	.52438	.10550	.85617
#1	49.149	.97368	19.146	.49712	.49988	4.9664	.49340	.95080	1.0217	.04816	.97127	1.0169	4.6138
#2	48.736	.95699	19.366	.50237	.49949	4.8631	.49472	.94873	1.0255	.05206	.97850	1.0185	4.5583
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**9.8142**	**.99039**	**.49037**	**.00169**	**.48830**	**1.0183**	**.01715**	**.49980**	**.49920**	**.49387**
Stddev	.0840	.00411	.00374	.00117	.00281	.0045	.01919	.00290	.00880	.00520
%RSD	.85617	.41477	.76236	69.272	.57550	.44563	111.91	.58003	1.7636	1.0538
#1	9.8736	.99329	.49301	.00086	.48632	1.0215	.00358	.49775	.49298	.49755
#2	9.7548	.98748	.48772	.00252	.49029	1.0151	.03073	.50185	.50543	.49019
Check ?	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value										
Range										

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**3381.4**	**51710.**	**5730.4**
Stddev	7.2	285.	37.2
%RSD	.21180	.55070	.64892
#1	3386.4	51911.	5704.1
#2	3376.3	51508.	5756.7

Sample Name: CCB Acquired: 5/2/2012 1:28:38 Type: QC
Method: 6500_025(v2) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00040**	**.00002**	**-.00334**	**.00200**	**.00026**	**.00011**	**-.00175**	**.00274**	**-.00004**	**.00005**	**.00011**	**-.00134**
Stddev	.00001	.00009	.00032	.00005	.00001	.00003	.00132	.00028	.00008	.00028	.00001	.00024
%RSD	3.3280	616.49	9.6937	2.5550	2.2547	26.439	75.400	10.141	203.94	545.51	4.9635	18.032
#1	.00040	-.00005	-.00311	.00196	.00027	.00009	-.00082	.00293	-.00009	.00025	.00011	-.00117
#2	.00041	.00008	-.00356	.00203	.00026	.00013	-.00269	.00254	.00002	-.00014	.00011	-.00151
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit												
Low Limit												

Elem	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00128**	**.05352**	**.00092**	**.00293**	**.00004**	**.00053**	W **.18259**	**-.00055**	**.00139**	**-.00043**	**.04353**	**.00035**
Stddev	.00116	.03060	.00044	.00383	.00005	.00014	.00424	.00025	.00047	.00058	.00072	.00302
%RSD	91.052	57.177	47.425	130.77	108.11	26.364	2.3218	46.500	33.798	135.47	1.6622	868.75
#1	.00045	.07516	.00061	.00564	.00007	.00043	.17959	-.00037	.00106	-.00002	.04302	-.00179
#2	.00210	.03188	.00123	.00022	.00001	.00063	.18559	-.00073	.00173	-.00083	.04404	.00249
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							.09160					
Low Limit							-.09160					

Elem	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00191**	**-.01646**	**-.03521**	**.00095**	**.00014**	**.00178**	**-.00011**	**.00051**	**.00595**	**-.00013**	**.00184**	**-.00091**
Stddev	.00232	.01702	.03643	.00093	.00006	.00051	.00001	.00076	.00578	.00012	.00004	.00086
%RSD	121.42	103.44	103.44	98.178	40.816	28.385	11.769	148.52	97.238	95.634	2.4012	94.920
#1	-.00027	-.00442	-.00946	.00029	.00010	.00214	-.00010	-.00003	.01004	-.00004	.00180	-.00151
#2	-.00355	-.02849	-.06097	.00161	.00018	.00143	-.00012	.00105	.00186	-.00022	.00187	-.00030
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit												
Low Limit												

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**3386.3**	**52491.**	**5657.2**
Stddev	9.0	232.	36.3
%RSD	.26439	.44250	.64204
#1	3392.6	52655.	5682.9
#2	3379.9	52326.	5631.5

Sample Name: CCVL1390952 Acquired: 5/2/2012 1:31:02 Type: QC
Method: 6500_025(v2) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01030**	**.10143**	**.01361**	**.09833**	**.00986**	**.00093**	**.11317**	**.19100**	**.00508**	**.01009**	**.01010**	**.01526**	**.09671**
Stddev	.00019	.00121	.00086	.00067	.00013	.00003	.00078	.00219	.00004	.00010	.00007	.00001	.00098
%RSD	1.8290	1.1929	6.2826	.67813	1.3028	2.7473	.69322	1.1465	.87097	.95186	.68688	.06038	1.0159
#1	.01043	.10229	.01421	.09880	.00976	.00091	.11261	.18945	.00512	.01002	.01005	.01525	.09740
#2	.01017	.10058	.01301	.09786	.00995	.00095	.11372	.19254	.00505	.01015	.01015	.01526	.09601
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**3.0098**	**.01000**	**.20342**	**.01024**	**.01953**	**1.1585**	**.03979**	**2.7722**	**.00885**	**.03747**	F **.00693**	**.01798**	**.44013**
Stddev	.0288	.00108	.00075	.00006	.00030	.0007	.00026	.0159	.00047	.00043	.00057	.00430	.00751
%RSD	.95708	10.841	.36872	.59796	1.5266	.05997	.64242	.57535	5.2610	1.1453	8.2209	23.946	1.7058
#1	2.9895	.00924	.20289	.01020	.01975	1.1581	.03961	2.7834	.00852	.03717	.00653	.02102	.44544
#2	3.0302	.01077	.20395	.01029	.01932	1.1590	.03997	2.7609	.00918	.03777	.00734	.01493	.43483
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Fail	Chk Pass	Chk Pass
Value											.01000		
Range											-30.000%		

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.94189**	**.09984**	**.00986**	**.01677**	**.00983**	**.01701**	**.06853**	**.00912**	**.02186**	**.01440**
Stddev	.01607	.00043	.00004	.00033	.00001	.00083	.00224	.00047	.00002	.00134
%RSD	1.7058	.43153	.40989	1.9467	.09654	4.8823	3.2698	5.1860	.09557	9.3206
#1	.95325	.10014	.00989	.01700	.00984	.01760	.07012	.00946	.02187	.01535
#2	.93053	.09953	.00983	.01654	.00982	.01642	.06695	.00879	.02184	.01345
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value										
Range										

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**3452.0**	**53580.**	**5748.6**
Stddev	8.7	228.	5.3
%RSD	.25263	.42609	.09187
#1	3445.9	53742.	5752.4
#2	3458.2	53419.	5744.9

Sample Name: 280-28262-D-1-A Acquired: 5/2/2012 1:33:25 Type: Unk
Method: 6500_025(v2) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 117487 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00022**	**.29219**	**-.00141**	**.06611**	**.02448**	**.00002**	**-.00134**	**65.778**	**.00024**	**-.00003**
Stddev	.00024	.00004	.00236	.00067	.00028	.00003	.00315	.259	.00000	.00000
%RSD	109.03	.01431	166.61	1.0084	1.1522	147.74	235.90	.39426	1.7707	12.724
#1	.00005	.29216	-.00308	.06564	.02468	.00004	-.00357	65.595	.00024	-.00003
#2	.00039	.29222	.00025	.06658	.02429	.00000	.00089	65.961	.00024	-.00003
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00140**	**.00194**	**.23518**	**5.4113**	**.00832**	**2.5653**	**.01965**	**.00277**	**15.363**	**.00048**
Stddev	.00010	.00038	.00031	.0441	.00204	.0113	.00008	.00035	.178	.00045
%RSD	7.1510	19.584	.13236	.81551	24.487	.43862	.42253	12.668	1.1557	93.509
#1	.00147	.00221	.23496	5.3801	.00688	2.5573	.01959	.00252	15.489	.00016
#2	.00133	.00167	.23540	5.4425	.00976	2.5732	.01971	.00301	15.238	.00079
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.10558**	**.00027**	**8.6853**	**-.00144**	**.00256**	**2.8666**	**6.1346**	**.00010**	**.66191**	**.00017**
Stddev	.00074	.00006	.0046	.00024	.00315	.0307	.0658	.00000	.00172	.00014
%RSD	.69792	22.778	.05321	16.884	123.01	1.0721	1.0721	2.6986	.26012	82.852
#1	.10610	.00031	8.6886	-.00162	.00033	2.8449	6.0881	.00010	.66070	.00027
#2	.10506	.00023	8.6820	-.00127	.00479	2.8884	6.1811	.00010	.66313	.00007
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00374**	**.00306**	**.00840**	**.00304**	**.00691**	**.00091**
Stddev	.00034	.00080	.00797	.00007	.00067	.00174
%RSD	9.1456	25.993	94.836	2.1485	9.6550	191.11
#1	.00349	.00363	.01403	.00299	.00643	.00214
#2	.00398	.00250	.00277	.00308	.00738	-.00032
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**3319.3**	**51311.**	**5748.4**
Stddev	14.8	88.	.1
%RSD	.44651	.17113	.00191
#1	3329.8	51373.	5748.4
#2	3308.9	51249.	5748.5

Sample Name: 280-28263-C-1-A Acquired: 5/2/2012 1:35:47 Type: Unk
Method: 6500_025(v2) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 117487 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00005**	**.09750**	**-.00273**	**1.0886**	**.01838**	**.00007**	**-.00237**	**188.74**	**.00095**	**-.00020**
Stddev	.00003	.00053	.00141	.0030	.00007	.00006	.00098	.69	.00009	.00000
%RSD	64.326	.54230	51.426	.27258	.36969	87.705	41.089	.36707	9.1051	.37051
#1	.00007	.09713	-.00373	1.0865	.01833	.00012	-.00168	189.23	.00101	-.00020
#2	.00002	.09787	-.00174	1.0907	.01843	.00003	-.00306	188.25	.00089	-.00020
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00053**	**.00090**	**.07923**	**9.2807**	**.07217**	**48.048**	**.02037**	**.00540**	**227.86**	**.00144**
Stddev	.00000	.00012	.00048	.0340	.00182	.062	.00005	.00030	.92	.00043
%RSD	.57121	13.180	.60363	.36633	2.5249	.12947	.23957	5.6305	.40289	29.688
#1	.00053	.00081	.07889	9.3047	.07088	48.092	.02034	.00518	228.51	.00174
#2	.00054	.00098	.07957	9.2567	.07346	48.004	.02041	.00561	227.21	.00113
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **5.1535**	**-.00141**	F **230.48**	**.00046**	**.00134**	**11.700**	**25.038**	**-.00165**	W **8.2524**	**-.00134**
Stddev	.0095	.00229	.31	.00059	.00094	.040	.086	.00082	.0731	.00027
%RSD	.18440	162.37	.13562	128.26	70.493	.34147	.34147	49.908	.88626	20.147
#1	5.1467	.00021	230.70	.00088	.00201	11.728	25.099	-.00107	8.3041	-.00153
#2	5.1602	-.00302	230.26	.00004	.00067	11.672	24.978	-.00223	8.2007	-.00115
Check ?	Chk Warn	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass
High Limit	2.0000		200.00						5.0000	
Low Limit	-1.0000		-.20000						-.01000	

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00282**	**.00022**	**.02345**	**.00049**	**.00500**	**-.00060**
Stddev	.00041	.00077	.02408	.00001	.00041	.00120
%RSD	14.682	354.38	102.69	2.9403	8.2819	200.26
#1	.00311	.00076	.04048	.00048	.00470	.00025
#2	.00253	-.00033	.00642	.00050	.00529	-.00145
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**3128.1**	**48225.**	**5607.9**
Stddev	2.9	93.	11.8
%RSD	.09284	.19328	.20973
#1	3130.2	48159.	5616.3
#2	3126.1	48291.	5599.6

Sample Name: 280-28263-C-2-A Acquired: 5/2/2012 1:38:14 Type: Unk
Method: 6500_025(v2) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 117487 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00038**	**1.2155**	**-.00378**	**1.9035**	**.02143**	**.00015**	**-.00353**	**125.01**	**.00061**	**.00015**
Stddev	.00049	.0073	.00154	.0027	.00008	.00003	.00053	.18	.00027	.00010
%RSD	128.28	.60196	40.719	.14273	.38776	21.642	14.929	.14009	43.692	70.082
#1	.00072	1.2103	-.00269	1.9016	.02149	.00017	-.00316	125.13	.00042	.00022
#2	.00004	1.2206	-.00486	1.9055	.02137	.00013	-.00390	124.88	.00080	.00007
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00329**	**.00200**	**1.0934**	**8.4265**	**.05449**	**29.358**	**.03930**	**.00153**	**237.12**	**.00155**
Stddev	.00003	.00033	.0045	.0254	.00072	.213	.00025	.00003	.23	.00037
%RSD	.90049	16.401	.40710	.30105	1.3242	.72429	.63522	1.8354	.09747	23.616
#1	.00327	.00176	1.0902	8.4086	.05501	29.208	.03912	.00151	236.96	.00129
#2	.00332	.00223	1.0965	8.4445	.05398	29.508	.03947	.00155	237.29	.00180
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.23452**	**.00003**	**128.56**	**-.00141**	**-.00054**	**9.1847**	**19.655**	**.00032**	W **5.3732**	**.00042**
Stddev	.00365	.00037	.18	.00014	.00044	.0178	.038	.00089	.0682	.00043
%RSD	1.5563	1190.3	.14334	9.6262	80.485	.19336	.19336	278.92	1.2687	101.87
#1	.23194	-.00023	128.43	-.00132	-.00085	9.1973	19.682	.00095	5.4214	.00073
#2	.23710	.00029	128.69	-.00151	-.00023	9.1722	19.628	-.00031	5.3250	.00012
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass
High Limit									5.0000	
Low Limit									-.01000	

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.04270**	**.00187**	**.01970**	**.00270**	**.00995**	**.00151**
Stddev	.00232	.00274	.01919	.00008	.00010	.00011
%RSD	5.4226	146.23	97.447	3.1240	1.0191	7.0428
#1	.04107	-.00006	.00612	.00276	.01003	.00143
#2	.04434	.00381	.03327	.00264	.00988	.00158
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**3172.7**	**48574.**	**5602.1**
Stddev	.1	276.	6.0
%RSD	.00220	.56891	.10760
#1	3172.8	48769.	5606.4
#2	3172.7	48378.	5597.9

Sample Name: 280-28263-C-3-A Acquired: 5/2/2012 1:40:40 Type: Unk
Method: 6500_025(v2) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 117487 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00020**	**.45398**	**-.00149**	**1.3165**	**.03576**	**.00007**	**-.00378**	**173.47**	**.00077**	**.00170**
Stddev	.00022	.00385	.00089	.0051	.00015	.00004	.00274	.57	.00018	.00005
%RSD	112.40	.84769	59.514	.39059	.41787	60.914	72.527	.33045	22.932	3.0329
#1	.00004	.45126	-.00212	1.3129	.03586	.00010	-.00572	173.07	.00090	.00166
#2	.00036	.45670	-.00086	1.3201	.03565	.00004	-.00184	173.88	.00065	.00174
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00088**	**.00284**	**.32177**	**9.2728**	**.08617**	**46.293**	**.03592**	**.00417**	**281.75**	**.00512**
Stddev	.00004	.00056	.00283	.0948	.00106	.242	.00018	.00043	1.44	.00013
%RSD	4.2052	19.618	.88079	1.0224	1.2254	.52338	.50268	10.375	.51234	2.5959
#1	.00091	.00323	.31977	9.2058	.08543	46.464	.03605	.00447	280.72	.00503
#2	.00086	.00245	.32377	9.3398	.08692	46.121	.03579	.00386	282.77	.00522
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **3.9089**	**-.00005**	F **222.73**	**-.00063**	**.00545**	**11.096**	**23.745**	**-.00029**	W **6.9305**	**.00185**
Stddev	.0169	.00296	.55	.00098	.00796	.056	.120	.00026	.0934	.00058
%RSD	.43175	6258.8	.24649	155.36	145.98	.50577	.50577	88.225	1.3478	31.533
#1	3.8969	.00205	222.34	.00006	-.00018	11.056	23.660	-.00048	6.8644	.00226
#2	3.9208	-.00214	223.12	-.00132	.01108	11.135	23.830	-.00011	6.9965	.00144
Check ?	Chk Warn	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass
High Limit	2.0000		200.00						5.0000	
Low Limit	-1.0000		-.20000						-.01000	

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01541**	**.00124**	**.01268**	**.00055**	**.00973**	**.00252**
Stddev	.00067	.00219	.00831	.00062	.00039	.00113
%RSD	4.3468	176.95	65.519	112.53	4.0266	44.732
#1	.01588	.00279	.01856	.00099	.01001	.00172
#2	.01494	-.00031	.00681	.00011	.00945	.00331
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**3135.7**	**48032.**	**5661.6**
Stddev	.7	197.	23.8
%RSD	.02127	.40988	.42076
#1	3135.3	47893.	5678.4
#2	3136.2	48171.	5644.7

Sample Name: 280-28263-C-4-A Acquired: 5/2/2012 1:43:07 Type: Unk
Method: 6500_025(v2) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 117487 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00005**	**.17948**	**-.00208**	**2.2240**	**.02284**	**.00009**	**-.00384**	**100.45**	**.00071**	**.00081**
Stddev	.00014	.00115	.00318	.0010	.00027	.00001	.00020	.24	.00007	.00022
%RSD	293.24	.63894	153.04	.04714	1.1630	6.4249	5.2991	.23701	9.3573	26.979
#1	.00005	.17867	.00017	2.2248	.02303	.00008	-.00398	100.62	.00066	.00097
#2	-.00014	.18029	-.00433	2.2233	.02265	.00009	-.00370	100.28	.00075	.00066
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00066**	**.00203**	**.45168**	**9.9791**	**.05431**	**37.802**	**.01178**	**.00706**	**272.97**	**.00165**
Stddev	.00020	.00013	.00140	.0022	.00027	.322	.00010	.00029	1.11	.00015
%RSD	30.689	6.5272	.30896	.02186	.50467	.85197	.82319	4.1116	.40683	9.1473
#1	.00080	.00212	.45069	9.9807	.05412	38.029	.01185	.00685	273.76	.00176
#2	.00052	.00193	.45267	9.9776	.05451	37.574	.01171	.00727	272.19	.00155
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.78211**	**.00082**	**164.97**	**-.00234**	**.00393**	**7.4739**	**15.994**	**-.00003**	W **6.2864**	**.00102**
Stddev	.00067	.00092	.34	.00053	.00251	.0029	.006	.00056	.0618	.00095
%RSD	.08568	111.57	.20432	22.556	63.732	.03870	.03870	2052.8	.98302	92.587
#1	.78258	.00147	164.73	-.00197	.00571	7.4760	15.999	.00037	6.3301	.00035
#2	.78163	.00017	165.21	-.00271	.00216	7.4719	15.990	-.00043	6.2427	.00169
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass
High Limit									5.0000	
Low Limit									-.01000	

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00537**	**.00211**	**-.00836**	**.00037**	**.00612**	**.00060**
Stddev	.00012	.00184	.02099	.00001	.00017	.00017
%RSD	2.2825	87.495	251.08	3.3850	2.7907	28.234
#1	.00545	.00080	.00648	.00036	.00624	.00048
#2	.00528	.00341	-.02320	.00038	.00600	.00072
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**3172.7**	**48702.**	**5673.9**
Stddev	6.4	203.	9.3
%RSD	.20223	.41625	.16479
#1	3168.1	48559.	5667.3
#2	3177.2	48845.	5680.5

Sample Name: 280-28263-C-5-A Acquired: 5/2/2012 1:45:34 Type: Unk
Method: 6500_025(v2) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 117487 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00009**	**.00200**	**-.00080**	**.00515**	**.00021**	**.00002**	**-.00476**	**.02102**	**.00022**	**-.00011**
Stddev	.00001	.00006	.00096	.00065	.00005	.00002	.00156	.00124	.00003	.00005
%RSD	10.521	3.2145	121.14	12.533	23.301	80.870	32.828	5.8810	13.634	45.764
#1	.00010	.00195	-.00011	.00561	.00018	.00001	-.00586	.02189	.00020	-.00015
#2	.00008	.00204	-.00148	.00469	.00025	.00004	-.00365	.02015	.00024	-.00008
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00001**	**-.00054**	**.01109**	**.10283**	**.00019**	**.00218**	**.00013**	**-.00025**	**.30953**	**-.00008**
Stddev	.00008	.00005	.00057	.02747	.00074	.00049	.00001	.00020	.02327	.00034
%RSD	618.44	9.0679	5.0991	26.714	383.07	22.455	8.6466	80.697	7.5185	415.45
#1	-.00004	-.00057	.01069	.08340	-.00033	.00252	.00012	-.00011	.32598	-.00032
#2	.00007	-.00050	.01149	.12225	.00072	.00183	.00014	-.00039	.29307	.00016
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00037**	**-.00105**	**.05517**	**-.00240**	**-.00025**	**-.01410**	**-.03018**	**.00078**	**.00054**	**.00078**
Stddev	.00000	.00165	.00571	.00090	.00196	.00393	.00842	.00141	.00016	.00107
%RSD	.70953	157.51	10.344	37.522	776.42	27.905	27.905	181.47	29.964	136.65
#1	-.00037	.00012	.05921	-.00303	-.00164	-.01688	-.03613	-.00022	.00066	.00003
#2	-.00037	-.00222	.05114	-.00176	.00113	-.01132	-.02422	.00177	.00043	.00154
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00003**	**-.00013**	**.01694**	**-.00044**	**.00262**	**.00047**
Stddev	.00030	.00175	.00409	.00021	.00009	.00077
%RSD	1205.2	1361.9	24.114	47.598	3.5359	162.54
#1	-.00024	-.00137	.01405	-.00059	.00255	-.00007
#2	.00019	.00111	.01983	-.00030	.00269	.00101
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**3431.7**	**53681.**	**5744.4**
Stddev	1.0	246.	25.6
%RSD	.02814	.45742	.44556
#1	3432.3	53855.	5762.5
#2	3431.0	53508.	5726.3

Sample Name: CCVH-1390999 Acquired: 5/2/2012 1:47:58 Type: QC
Method: 6500_025(v2) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2714
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00178**	**47.618**	**-.00265**	**.00536**	**.00032**	**.00008**	**1.0249**	**.00280**	**.00006**	**.00040**	**.00019**	**-.00458**	**47.382**
Stddev	.00050	.085	.00293	.00042	.00011	.00006	.0009	.00421	.00006	.00026	.00013	.00001	.051
%RSD	28.172	.17747	110.71	7.8199	35.397	71.545	.08509	150.49	114.79	65.425	66.168	.23153	.10701
#1	-.00214	47.678	-.00058	.00566	.00024	.00004	1.0255	-.00018	.00001	.00059	.00028	-.00459	47.418
#2	-.00143	47.559	-.00472	.00507	.00040	.00012	1.0242	.00577	.00010	.00022	.00010	-.00457	47.346
Check ?	None	Chk Pass	None	None	None	None	Chk Pass	None	None	None	None	None	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.03574**	**-.00074**	**-.02196**	**.00016**	**.00037**	**245.11**	**.00105**	**.00111**	**-.00185**	**5.0826**	**-.00231**	**.00445**	**-.00144**
Stddev	.00182	.00127	.00377	.00003	.00054	.71	.00006	.00180	.00031	.0010	.00078	.00145	.00182
%RSD	5.0973	171.52	17.169	16.900	146.72	.28786	5.9932	161.62	16.922	.02070	33.972	32.529	126.27
#1	.03702	-.00164	-.02463	.00018	.00075	245.60	.00101	-.00016	-.00207	5.0833	-.00175	.00343	-.00274
#2	.03445	.00016	-.01929	.00015	-.00001	244.61	.00110	.00239	-.00163	5.0818	-.00286	.00548	-.00015
Check ?	None	None	None	None	None	Chk Pass	None	None	None	Chk Pass	None	None	None
Value													
Range													

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00309**	**.00182**	**.00040**	**5.0550**	**.00785**	**.00342**	**10.498**	**-.00414**	**.00178**	**-.04702**
Stddev	.00390	.00158	.00004	.0023	.00014	.00125	.070	.00025	.00028	.00010
%RSD	126.27	86.414	9.8776	.04631	1.7254	36.567	.66358	5.9695	15.592	.20712
#1	-.00585	.00071	.00038	5.0566	.00795	.00431	10.547	-.00397	.00198	-.04709
#2	-.00033	.00294	.00043	5.0533	.00776	.00254	10.449	-.00432	.00159	-.04696
Check ?	None	None	None	Chk Pass	None	None	Chk Pass	None	None	None
Value										
Range										

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**3312.7**	**50528.**	**5718.6**
Stddev	5.7	128.	24.7
%RSD	.17339	.25352	.43166
#1	3316.8	50618.	5701.1
#2	3308.6	50437.	5736.0

Sample Name: CCV-1390955 Acquired: 5/2/2012 1:50:18 Type: QC
Method: 6500_025(v2) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.50647**	**.48456**	**.98793**	**.48525**	**.49436**	**.45725**	**-.00304**	**4.6043**	**.50171**	**.49567**	**.49757**	**.52216**	**2.3746**
Stddev	.00208	.00067	.00100	.00073	.00160	.00192	.00145	.0350	.00023	.00059	.00179	.00230	.0182
%RSD	.41046	.13814	.10073	.15036	.32433	.41935	47.555	.76018	.04542	.11834	.36020	.44011	.76493
#1	.50500	.48409	.98722	.48576	.49550	.45861	-.00407	4.6291	.50155	.49609	.49884	.52053	2.3875
#2	.50794	.48504	.98863	.48473	.49323	.45590	-.00202	4.5796	.50187	.49526	.49631	.52378	2.3618
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**48.709**	**.96052**	**19.208**	**.49675**	**.49714**	**4.8740**	**.49142**	**.94850**	**1.0221**	**.04218**	**.97657**	**1.0132**	**4.5654**
Stddev	.125	.00335	.047	.00159	.00218	.0278	.00192	.00438	.0004	.00441	.00481	.0035	.0091
%RSD	.25598	.34845	.24684	.31988	.43896	.57057	.39085	.46214	.04238	10.467	.49234	.34117	.19935
#1	48.797	.96288	19.175	.49563	.49869	4.8937	.49278	.94541	1.0218	.03906	.97997	1.0108	4.5590
#2	48.621	.95815	19.242	.49788	.49560	4.8544	.49006	.95160	1.0224	.04530	.97318	1.0157	4.5718
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**9.7700**	**.98514**	**.48742**	**-.00024**	**.48644**	**1.0136**	**.02636**	**.49756**	**.49518**	**.48770**
Stddev	.0195	.00107	.00150	.00041	.00214	.0018	.00008	.00156	.00273	.00471
%RSD	.19935	.10841	.30765	165.61	.44012	.17919	.28914	.31282	.55226	.96522
#1	9.7562	.98438	.48848	.00004	.48493	1.0149	.02641	.49646	.49324	.48437
#2	9.7837	.98589	.48636	-.00053	.48796	1.0123	.02630	.49866	.49711	.49102
Check ?	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value										
Range										

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**3355.8**	**51757.**	**5697.3**
Stddev	7.4	33.	16.1
%RSD	.22164	.06362	.28225
#1	3350.6	51780.	5708.7
#2	3361.1	51734.	5685.9

Sample Name: CCB Acquired: 5/2/2012 1:52:31 Type: QC
Method: 6500_025(v2) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00016**	**-.00032**	**-.00311**	**.00244**	**.00013**	**.00001**	**-.00321**	**-.00125**	**.00008**	**-.00010**	**.00029**	**-.00106**
Stddev	.00053	.00048	.00153	.00057	.00020	.00015	.00514	.00159	.00008	.00021	.00014	.00025
%RSD	326.39	149.10	49.218	23.461	153.14	984.52	160.23	126.71	91.219	221.91	48.646	23.177
#1	-.00021	.00002	-.00419	.00285	.00027	.00012	.00043	-.00238	.00003	.00006	.00019	-.00089
#2	.00054	-.00067	-.00203	.00204	-.00001	-.00009	-.00684	-.00013	.00014	-.00025	.00039	-.00124
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit												
Low Limit												

Elem	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00057**	**.05383**	**.00056**	**.00056**	**.00005**	**.00079**	W **.17769**	**-.00039**	**.00196**	**-.00022**	**.04697**	**-.00222**
Stddev	.00180	.01830	.00141	.00018	.00002	.00061	.00281	.00013	.00091	.00015	.00507	.00045
%RSD	315.77	33.987	250.08	31.776	31.084	77.192	1.5813	32.447	46.462	69.506	10.786	20.517
#1	.00070	.04089	-.00043	.00044	.00006	.00036	.17570	-.00030	.00132	-.00011	.05056	-.00190
#2	-.00185	.06677	.00156	.00069	.00004	.00122	.17967	-.00048	.00261	-.00033	.04339	-.00254
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							.09160					
Low Limit							-.09160					

Elem	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00089**	**.00533**	**.01141**	**.00149**	**.00009**	**.00102**	**.00043**	**.00155**	**.01371**	**-.00041**	**.00252**	**-.00077**
Stddev	.00053	.01641	.03512	.00010	.00001	.00221	.00036	.00243	.01568	.00023	.00009	.00042
%RSD	60.151	307.89	307.89	6.9730	7.2211	216.92	83.084	157.17	114.42	56.690	3.6071	54.800
#1	.00051	.01693	.03624	.00156	.00009	-.00054	.00018	-.00017	.02480	-.00025	.00258	-.00047
#2	.00126	-.00627	-.01343	.00141	.00008	.00258	.00069	.00327	.00262	-.00058	.00245	-.00107
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit												
Low Limit												

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**3381.4**	**52483.**	**5627.7**
Stddev	1.0	601.	18.8
%RSD	.03052	1.1450	.33430
#1	3380.7	52058.	5614.4
#2	3382.2	52908.	5641.0

Sample Name: CCVL1390952 Acquired: 5/2/2012 1:54:56 Type: QC
Method: 6500_025(v2) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01068**	**.10136**	**.01368**	**.09837**	**.01042**	**.00102**	**.11655**	**.18280**	**.00522**	**.01012**	**.01002**	**.01485**	**.09459**
Stddev	.00054	.00003	.00179	.00053	.00010	.00014	.00180	.00040	.00028	.00022	.00008	.00032	.00005
%RSD	5.0697	.02496	13.115	.54262	1.0062	14.204	1.5409	.21931	5.3397	2.1816	.79821	2.1519	.05448
#1	.01107	.10135	.01495	.09874	.01034	.00112	.11528	.18308	.00542	.00997	.00997	.01462	.09455
#2	.01030	.10138	.01241	.09799	.01049	.00092	.11782	.18252	.00502	.01028	.01008	.01508	.09463
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**2.9885**	**.00994**	**.20066**	**.01029**	**.01936**	**1.1195**	**.03988**	**2.7558**	**.00904**	**.03950**	F **.00699**	**.01692**	**.43420**
Stddev	.0237	.00019	.00054	.00009	.00038	.0091	.00050	.0050	.00000	.00096	.00013	.00253	.01337
%RSD	.79405	1.9560	.26763	.89616	1.9585	.81379	1.2602	.18064	.05249	2.4258	1.9098	14.930	3.0783
#1	3.0053	.00980	.20104	.01036	.01910	1.1259	.04024	2.7523	.00904	.04018	.00690	.01513	.44365
#2	2.9717	.01008	.20028	.01023	.01963	1.1130	.03953	2.7593	.00904	.03882	.00709	.01870	.42475
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Fail	Chk Pass	Chk Pass
Value											.01000		
Range											-30.000%		

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.92919**	**.10057**	**.00980**	**.01764**	**.00952**	**.01784**	**.06456**	**.00917**	**.02183**	**.01434**
Stddev	.02860	.00112	.00003	.00074	.00029	.00212	.00407	.00040	.00011	.00114
%RSD	3.0783	1.1176	.31440	4.2085	3.0519	11.904	6.3074	4.3340	.51538	7.9736
#1	.94942	.09978	.00978	.01712	.00973	.01634	.06744	.00945	.02191	.01515
#2	.90896	.10137	.00982	.01817	.00932	.01934	.06168	.00889	.02175	.01353
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value										
Range										

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**3466.0**	**53621.**	**5771.1**
Stddev	4.7	225.	2.4
%RSD	.13572	.41974	.04216
#1	3469.3	53462.	5769.4
#2	3462.7	53780.	5772.9

Sample Name: MB 280-117184/1-A Acquired: 5/2/2012 1:57:19 Type: Unk
Method: 6500_025(v2) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 117184 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00044**	**.00048**	W **-.00656**	**.00211**	**.00023**	**.00005**	**-.00355**	**.00838**	**.00026**	**-.00008**
Stddev	.00022	.00059	.00264	.00030	.00013	.00006	.00077	.00198	.00003	.00000
%RSD	49.522	123.77	40.330	14.101	57.236	121.37	21.622	23.681	10.505	1.9143
#1	.00029	.00006	-.00469	.00232	.00033	.00010	-.00410	.00698	.00028	-.00008
#2	.00060	.00090	-.00843	.00190	.00014	.00001	-.00301	.00978	.00025	-.00008
Check ?	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit			.00500							
Low Limit			-.00500							

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00011**	**-.00067**	**.00745**	**.03646**	**.00235**	**.00247**	**.00010**	**-.00025**	**.14853**	**-.00035**
Stddev	.00029	.00026	.00010	.02043	.00068	.00148	.00004	.00024	.00812	.00005
%RSD	267.65	38.217	1.3678	56.040	28.764	59.910	46.485	94.380	5.4649	15.024
#1	-.00031	-.00085	.00752	.02201	.00187	.00352	.00006	-.00008	.14279	-.00039
#2	.00010	-.00049	.00738	.05091	.00283	.00142	.00013	-.00042	.15427	-.00031
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00048**	**-.00007**	F **.04051**	**-.00103**	**.00191**	W **-.00626**	**-.01340**	**-.00005**	**.00007**	**.00072**
Stddev	.00136	.00057	.00198	.00032	.00230	.00391	.00838	.00040	.00001	.00155
%RSD	280.57	841.24	4.8958	30.892	120.52	62.520	62.520	739.27	8.2251	214.86
#1	-.00048	-.00047	.03911	-.00080	.00028	-.00903	-.01932	.00023	.00007	-.00038
#2	.00144	.00033	.04192	-.00125	.00353	-.00349	-.00747	-.00034	.00007	.00182
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Warn	None	Chk Pass	Chk Pass	Chk Pass
High Limit			.01000			.00500				
Low Limit			-.01000			-.00500				

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00007**	**-.00003**	**.01177**	**-.00058**	**.00218**	**.00127**
Stddev	.00008	.00078	.04313	.00029	.00065	.00005
%RSD	112.36	2267.8	366.59	50.207	29.557	3.8655
#1	.00001	.00051	.04226	-.00038	.00173	.00131
#2	.00013	-.00058	-.01873	-.00079	.00264	.00124
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**3431.6**	**53451.**	**5779.5**
Stddev	1.7	362.	19.6
%RSD	.05086	.67775	.33837
#1	3432.8	53707.	5793.3
#2	3430.4	53195.	5765.7

Sample Name: LCS 280-117184/2-A Acquired: 5/2/2012 1:59:44 Type: Unk
Method: 6500_025(v2) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 117184 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.05176**	**1.8232**	**1.0288**	**.97801**	**1.9756**	**.04609**	**2.1243**	**45.362**	**.10026**	**.48456**
Stddev	.00025	.0079	.0050	.00097	.0161	.00043	.0033	.366	.00015	.00081
%RSD	.47344	.43417	.48637	.09947	.81499	.94227	.15573	.80620	.15315	.16676
#1	.05159	1.8176	1.0324	.97732	1.9870	.04639	2.1267	45.620	.10037	.48399
#2	.05194	1.8288	1.0253	.97869	1.9642	.04578	2.1220	45.103	.10015	.48513
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.19852**	**.26241**	**.94369**	**48.903**	**.96898**	**47.643**	**.50062**	**1.0075**	**50.586**	**.48284**
Stddev	.00069	.00024	.00230	.381	.00967	.088	.00153	.0030	.568	.00039
%RSD	.34659	.09045	.24327	.77916	.99833	.18408	.30569	.30169	1.1223	.07981
#1	.19901	.26224	.94531	49.172	.97582	47.581	.49954	1.0096	50.987	.48257
#2	.19804	.26258	.94207	48.633	.96214	47.705	.50170	1.0053	50.184	.48311
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**9.7536**	**.49221**	**.05657**	**.48305**	**2.0602**	F **9.2127**	F **19.715**	**1.9766**	**.98643**	**1.0271**
Stddev	.0160	.00200	.00033	.00138	.0003	.0460	.099	.0011	.00858	.0033
%RSD	.16422	.40603	.59031	.28594	.01530	.49976	.49976	.05339	.86980	.31926
#1	9.7423	.49362	.05634	.48403	2.0605	9.2452	19.785	1.9773	.99249	1.0248
#2	9.7650	.49080	.05681	.48208	2.0600	9.1801	19.645	1.9759	.98036	1.0294
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Fail	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit						11.500	24.610			
Low Limit						9.4000	20.100			

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.98894**	**1.9719**	**2.2356**	**.50474**	**.49422**	**.47930**
Stddev	.00322	.0019	.0060	.00263	.00466	.00906
%RSD	.32573	.09745	.26756	.52060	.94285	1.8905
#1	.98666	1.9733	2.2314	.50288	.49092	.48570
#2	.99122	1.9706	2.2398	.50660	.49751	.47289
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**3277.3**	**50399.**	**5768.7**
Stddev	1.9	136.	3.9
%RSD	.05672	.27048	.06733
#1	3278.6	50495.	5765.9
#2	3276.0	50303.	5771.4

Sample Name: LCSD 280-117184/3-A Acquired: 5/2/2012 2:01:53 Type: Unk
Method: 6500_025(v2) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 117184 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.05154**	**1.8389**	**1.0312**	**.98250**	**1.9952**	**.04669**	**2.1439**	**45.986**	**.10066**	**.48766**
Stddev	.00057	.0015	.0026	.00247	.0088	.00025	.0018	.372	.00006	.00048
%RSD	1.1034	.08309	.24827	.25125	.44144	.52825	.08420	.80823	.06373	.09742
#1	.05114	1.8400	1.0293	.98425	2.0014	.04687	2.1426	46.249	.10071	.48799
#2	.05194	1.8378	1.0330	.98076	1.9890	.04652	2.1451	45.723	.10062	.48732
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.19994**	**.26294**	**.96577**	**49.531**	**.97874**	**47.937**	**.50281**	**1.0145**	**51.295**	**.48614**
Stddev	.00045	.00003	.01095	.374	.01030	.176	.00132	.0010	.098	.00021
%RSD	.22270	.00964	1.1341	.75506	1.0526	.36785	.26258	.09900	.19184	.04393
#1	.20026	.26296	.97352	49.796	.98603	47.812	.50188	1.0152	51.365	.48598
#2	.19963	.26292	.95803	49.267	.97146	48.061	.50374	1.0138	51.225	.48629
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**9.8057**	**.49555**	**.05424**	**.49026**	**2.0445**	F **9.3490**	F **20.007**	**1.9833**	**.99570**	**1.0300**
Stddev	.0108	.00011	.00287	.00348	.0015	.0428	.092	.0007	.00423	.0014
%RSD	.11021	.02131	5.2975	.70892	.07472	.45755	.45755	.03530	.42508	.13112
#1	9.7980	.49548	.05628	.48780	2.0434	9.3792	20.072	1.9828	.99870	1.0310
#2	9.8133	.49562	.05221	.49272	2.0456	9.3187	19.942	1.9838	.99271	1.0290
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Fail	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit						11.500	24.610			
Low Limit						9.4000	20.100			

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.99677**	**1.9856**	**2.2334**	**.50789**	**.49736**	**.48786**
Stddev	.00160	.0036	.0146	.00032	.00076	.00146
%RSD	.16027	.18233	.65569	.06240	.15303	.30005
#1	.99564	1.9882	2.2230	.50766	.49683	.48682
#2	.99790	1.9831	2.2437	.50811	.49790	.48889
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**3268.4**	**50308.**	**5706.4**
Stddev	9.6	240.	50.2
%RSD	.29353	.47624	.87915
#1	3261.6	50477.	5671.0
#2	3275.2	50139.	5741.9

Sample Name: 280-28076-S-1-B Acquired: 5/2/2012 2:04:02 Type: Unk
Method: 6500_025(v2) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 117184 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00025**	**.69704**	**-.00119**	**.10945**	**.15476**	**.00004**	**-.00052**	**32.560**	**.00021**	**-.00007**
Stddev	.00048	.00350	.00492	.00034	.00052	.00002	.00117	.080	.00015	.00001
%RSD	192.70	.50246	412.14	.31036	.33688	55.951	223.56	.24452	70.686	16.247
#1	-.00009	.69952	-.00467	.10921	.15439	.00003	-.00135	32.503	.00032	-.00008
#2	.00059	.69456	.00229	.10969	.15513	.00006	.00030	32.616	.00011	-.00007
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00494**	**.00484**	**.40080**	**15.233**	**.02473**	**.04939**	**.00520**	**.00362**	**398.68**	**.00566**
Stddev	.00016	.00019	.00356	.044	.00026	.00215	.00001	.00067	1.98	.00019
%RSD	3.2499	4.0113	.88741	.28775	1.0351	4.3479	.20802	18.425	.49583	3.2912
#1	.00505	.00498	.39829	15.202	.02455	.05091	.00520	.00315	397.28	.00553
#2	.00483	.00471	.40332	15.263	.02491	.04787	.00521	.00410	400.07	.00580
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.08233**	**-.00103**	**6.0094**	**-.00174**	**-.00189**	**4.6874**	**10.031**	**-.00046**	**.78332**	**.00087**
Stddev	.00316	.00099	.0036	.00118	.00085	.0112	.024	.00104	.00234	.00005
%RSD	3.8361	96.329	.05939	68.187	45.087	.23791	.23791	223.38	.29927	5.8213
#1	.08010	-.00033	6.0120	-.00258	-.00129	4.6796	10.014	-.00120	.78166	.00083
#2	.08456	-.00173	6.0069	-.00090	-.00249	4.6953	10.048	.00027	.78498	.00090
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00269**	**.00261**	**.00503**	**.00183**	**.05522**	**.00023**
Stddev	.00007	.00203	.00439	.00024	.00070	.00063
%RSD	2.5764	77.832	87.179	13.353	1.2633	272.01
#1	.00265	.00117	.00193	.00166	.05571	.00068
#2	.00274	.00405	.00813	.00200	.05473	-.00021
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**3186.8**	**48382.**	**5703.9**
Stddev	13.7	101.	20.5
%RSD	.43006	.20895	.35964
#1	3177.1	48310.	5718.4
#2	3196.5	48453.	5689.4

Sample Name: 280-28131-R-1-A Acquired: 5/2/2012 2:06:30 Type: Unk
Method: 6500_025(v2) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 117184 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00031**	**.10442**	**-.00166**	**.11530**	**.02016**	**.00006**	**-.00233**	**8.9004**	**.00023**	**-.00035**
Stddev	.00015	.00024	.00373	.00022	.00018	.00005	.00109	.0576	.00013	.00001
%RSD	50.255	.23075	224.26	.19358	.88659	91.014	47.067	.64758	55.991	3.0624
#1	.00042	.10425	-.00430	.11514	.02028	.00009	-.00155	8.9412	.00032	-.00034
#2	.00020	.10459	.00097	.11546	.02003	.00002	-.00310	8.8597	.00014	-.00035
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00008**	**.00028**	**.00647**	**12.757**	**.03326**	**.16551**	**.00046**	**.00763**	**276.71**	**-.00030**
Stddev	.00015	.00034	.00013	.036	.00089	.00151	.00002	.00012	.00	.00005
%RSD	192.98	119.91	2.0712	.28433	2.6679	.91360	5.1078	1.5802	.00159	16.388
#1	.00019	.00053	.00657	12.783	.03389	.16445	.00044	.00771	276.71	-.00034
#2	-.00003	.00004	.00638	12.731	.03263	.16658	.00047	.00754	276.70	-.00027
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01019**	**-.00088**	**138.01**	**-.00212**	**.00200**	**6.4304**	**13.761**	**.00000**	**.28040**	**.00063**
Stddev	.00039	.00082	.08	.00057	.00364	.0574	.123	.0003	.00004	.00037
%RSD	3.8480	93.509	.06144	26.763	181.98	.89214	.89214	11637.	.01518	59.365
#1	.01046	-.00146	137.95	-.00253	-.00057	6.4709	13.848	-.00021	.28043	.00089
#2	.00991	-.00030	138.07	-.00172	.00457	6.3898	13.674	.00021	.28037	.00036
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00006**	**.00235**	**.00844**	**-.00021**	**.00374**	**.00023**
Stddev	.00021	.00081	.01273	.00035	.00058	.00132
%RSD	363.41	34.547	150.76	166.36	15.514	564.26
#1	-.00009	.00293	.01744	.00004	.00333	-.00070
#2	.00021	.00178	-.00056	-.00045	.00415	.00117
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**3228.0**	**49326.**	**5684.1**
Stddev	4.3	331.	11.3
%RSD	.13333	.67058	.19934
#1	3231.0	49092.	5692.1
#2	3224.9	49560.	5676.1

Sample Name: 280-28131-R-3-A Acquired: 5/2/2012 2:08:55 Type: Unk
Method: 6500_025(v2) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 117184 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00007**	**.17403**	**-.00388**	**.12925**	**.02156**	**.00006**	**-.00405**	**9.3545**	**.00019**	**-.00028**
Stddev	.00041	.00070	.00014	.00076	.00025	.00001	.00039	.0212	.00007	.00018
%RSD	543.58	.40084	3.6850	.58732	1.1455	10.728	9.6256	.22658	38.287	66.269
#1	.00036	.17452	-.00398	.12872	.02173	.00007	-.00377	9.3396	.00014	-.00041
#2	-.00021	.17353	-.00378	.12979	.02139	.00006	-.00433	9.3695	.00024	-.00015
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00022**	**.00038**	**.01012**	**15.829**	**.04490**	**.14675**	**.00037**	**.01004**	**283.41**	**.00037**
Stddev	.00003	.00007	.00118	.013	.00054	.00131	.00002	.00022	.80	.00022
%RSD	14.812	17.589	11.713	.08025	1.1933	.89050	5.6057	2.1482	.28063	60.647
#1	.00024	.00043	.00928	15.838	.04528	.14582	.00036	.00989	283.97	.00021
#2	.00020	.00033	.01095	15.820	.04452	.14767	.00038	.01020	282.85	.00053
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00649**	**-.00063**	**133.37**	**-.00330**	**-.00079**	**8.7088**	**18.637**	**-.00028**	**.30848**	**.00205**
Stddev	.00278	.00041	.12	.00228	.00535	.0045	.010	.00072	.00068	.00057
%RSD	42.873	65.180	.08973	69.090	680.67	.05190	.05190	252.41	.21995	27.653
#1	.00452	-.00092	133.45	-.00169	.00300	8.7056	18.630	.00022	.30896	.00165
#2	.00846	-.00034	133.28	-.00491	-.00457	8.7120	18.644	-.00079	.30800	.00245
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00024**	**.00029**	**.00740**	**-.00030**	**.00287**	**-.00135**
Stddev	.00033	.00183	.00314	.00036	.00016	.00029
%RSD	136.44	628.78	42.478	120.42	5.4069	21.639
#1	.00047	-.00101	.00962	-.00055	.00276	-.00115
#2	.00001	.00159	.00518	-.00004	.00298	-.00156
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**3225.4**	**49181.**	**5637.3**
Stddev	2.1	340.	4.9
%RSD	.06418	.69173	.08698
#1	3223.9	48940.	5640.8
#2	3226.9	49421.	5633.8

Sample Name: CCVH-1390999 Acquired: 5/2/2012 2:11:21 Type: QC
Method: 6500_025(v2) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2714
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00117**	**47.416**	**.00215**	**.00307**	**.00052**	**.00007**	**1.0187**	**.00513**	**.00012**	**.00016**	**.00029**	**-.00475**	**47.344**
Stddev	.00050	.043	.00308	.00019	.00000	.00007	.0062	.00500	.00026	.00000	.00029	.00047	.060
%RSD	42.823	.09172	143.25	6.0433	.01531	98.826	.60618	97.515	206.66	.51532	102.60	10.003	.12763
#1	-.00152	47.386	.00432	.00320	.00052	.00012	1.0231	.00867	-.00006	.00016	.00049	-.00441	47.386
#2	-.00081	47.447	-.00003	.00294	.00052	.00002	1.0143	.00159	.00031	.00016	.00008	-.00508	47.301
Check ?	None	Chk Pass	None	None	None	None	Chk Pass	None	None	None	None	None	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.06990**	**.00282**	**-.02520**	**.00013**	**.00066**	**244.23**	**.00115**	**.00137**	**-.00092**	**5.0607**	**-.00301**	**.00160**	**-.00387**
Stddev	.00095	.00142	.00041	.00010	.00034	.52	.00007	.00124	.00097	.0174	.00256	.00158	.01485
%RSD	1.3646	50.439	1.6390	77.195	52.532	.21194	5.7989	90.597	104.88	.34349	85.101	98.878	383.37
#1	.07057	.00182	-.02491	.00020	.00090	243.86	.00111	.00225	-.00024	5.0730	-.00120	.00048	.00663
#2	.06923	.00383	-.02549	.00006	.00041	244.59	.00120	.00049	-.00161	5.0484	-.00482	.00271	-.01437
Check ?	None	None	None	None	None	Chk Pass	None	None	None	Chk Pass	None	None	None
Value													
Range													

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00829**	**.00179**	**.00039**	**5.0497**	**.00864**	**.00071**	**10.478**	**-.00445**	**.00103**	**-.04881**
Stddev	.03178	.00092	.00015	.0184	.00002	.00027	.022	.00041	.00125	.00153
%RSD	383.37	51.130	38.817	.36351	.22104	37.991	.20765	9.2523	121.13	3.1329
#1	.01418	.00114	.00029	5.0367	.00865	.00090	10.493	-.00416	.00192	-.04989
#2	-.03076	.00244	.00050	5.0627	.00862	.00052	10.462	-.00474	.00015	-.04773
Check ?	None	None	None	Chk Pass	None	None	Chk Pass	None	None	None
Value										
Range										

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**3289.7**	**50030.**	**5620.6**
Stddev	4.3	24.	6.7
%RSD	.12995	.04703	.11837
#1	3292.7	50046.	5615.9
#2	3286.6	50013.	5625.3

Sample Name: CCV-1390955 Acquired: 5/2/2012 2:13:41 Type: QC
Method: 6500_025(v2) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.50457**	**.48424**	**1.0088**	**.48589**	**.49813**	**.45807**	**-.00423**	**4.6250**	**.50386**	**.49752**	**.50045**	**.52141**	**2.3919**
Stddev	.00094	.00032	.0024	.00001	.00076	.00026	.00102	.0035	.00002	.00127	.00103	.00047	.0092
%RSD	.18701	.06677	.23855	.00177	.15336	.05766	24.105	.07550	.00356	.25619	.20567	.09016	.38359
#1	.50390	.48402	1.0071	.48590	.49759	.45788	-.00351	4.6275	.50385	.49842	.50117	.52174	2.3854
#2	.50523	.48447	1.0105	.48589	.49867	.45825	-.00495	4.6225	.50388	.49662	.49972	.52108	2.3984
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**48.984**	**.96860**	**19.180**	**.49768**	**.49921**	**4.8815**	**.49459**	**.94905**	**1.0260**	**.04964**	**.97668**	**1.0155**	**4.5587**
Stddev	.059	.00013	.004	.00006	.00336	.0137	.00024	.00352	.0012	.00003	.00435	.0055	.0210
%RSD	.12088	.01317	.02338	.01116	.67291	.28025	.04808	.37037	.11804	.05180	.44531	.54464	.46017
#1	48.942	.96869	19.184	.49764	.50159	4.8718	.49443	.94656	1.0251	.04966	.97975	1.0194	4.5439
#2	49.026	.96851	19.177	.49772	.49684	4.8912	.49476	.95153	1.0268	.04962	.97360	1.0116	4.5735
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**9.7556**	**.99478**	**.48929**	**.00017**	**.48701**	**1.0214**	**-.00181**	**.49756**	**.49870**	**.49315**
Stddev	.0449	.00059	.00058	.00044	.00134	.0011	.00432	.00043	.00119	.00320
%RSD	.46017	.05886	.11809	251.40	.27617	.11046	238.63	.08562	.23866	.64872
#1	9.7239	.99436	.48888	-.00014	.48796	1.0206	-.00487	.49726	.49954	.49541
#2	9.7873	.99519	.48970	.00048	.48606	1.0222	.00124	.49786	.49785	.49089
Check ?	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value										
Range										

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**3357.5**	**51593.**	**5682.7**
Stddev	1.8	63.	17.9
%RSD	.05276	.12114	.31547
#1	3358.7	51638.	5670.0
#2	3356.2	51549.	5695.4

Sample Name: CCB Acquired: 5/2/2012 2:15:54 Type: QC
Method: 6500_025(v2) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00051**	**-.00059**	**-.00199**	**.00215**	**.00019**	**.00010**	**-.00386**	**-.00250**	**.00020**	**-.00024**	**-.00008**	**-.00124**
Stddev	.00052	.00041	.00032	.00028	.00002	.00012	.00133	.00083	.00002	.00015	.00014	.00034
%RSD	101.96	69.244	15.847	12.811	11.479	124.71	34.451	33.054	8.0916	62.274	186.26	27.830
#1	.00088	-.00087	-.00177	.00196	.00018	.00001	-.00292	-.00192	.00021	-.00035	.00002	-.00099
#2	.00014	-.00030	-.00221	.00234	.00021	.00019	-.00480	-.00309	.00019	-.00014	-.00018	-.00148
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit												
Low Limit												

Elem	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00091**	**.02152**	**.00090**	**.00068**	**.00001**	**.00062**	W **.16240**	**-.00086**	**.00166**	**-.00087**	**.04511**	**-.00038**
Stddev	.00124	.00318	.00312	.00022	.00000	.00069	.00537	.00007	.00069	.00005	.00136	.00086
%RSD	137.09	14.757	347.27	31.668	19.999	111.22	3.3094	8.0309	41.608	6.0616	3.0105	226.93
#1	-.00178	.02376	-.00131	.00084	.00002	.00013	.16620	-.00091	.00117	-.00091	.04415	.00023
#2	-.00003	.01927	.00311	.00053	.00001	.00111	.15860	-.00081	.00215	-.00084	.04607	-.00099
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							.09160					
Low Limit							-.09160					

Elem	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00239**	**-.01702**	**-.03643**	**.00125**	**.00003**	**.00160**	**.00036**	**-.00028**	**.02428**	**-.00044**	**.00203**	**-.00030**
Stddev	.00131	.00004	.00008	.00006	.00003	.00014	.00020	.00052	.02961	.00041	.00077	.00029
%RSD	54.621	.21513	.21513	5.1459	107.15	8.6264	54.230	187.40	121.98	94.722	38.122	96.908
#1	.00332	-.01700	-.03637	.00120	.00001	.00170	.00022	-.00064	.04522	-.00073	.00257	-.00009
#2	.00147	-.01705	-.03648	.00129	.00005	.00150	.00050	.00009	.00334	-.00014	.00148	-.00050
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit												
Low Limit												

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**3379.4**	**52447.**	**5626.2**
Stddev	6.7	108.	18.7
%RSD	.19855	.20674	.33297
#1	3384.1	52371.	5612.9
#2	3374.7	52524.	5639.4

Sample Name: CCVL1390952 Acquired: 5/2/2012 2:18:19 Type: QC
Method: 6500_025(v2) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599	K_7664
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01048**	**.09981**	**.01463**	**.09728**	**.01012**	**.00103**	**.11410**	**.18423**	**.00528**	**.01013**	**.01027**	**.01495**	**.09524**	**2.9876**
Stddev	.00009	.00074	.00213	.00092	.00021	.00005	.00198	.00035	.00001	.00011	.00011	.00006	.00391	.0069
%RSD	.81908	.74502	14.573	.94583	2.0986	4.5847	1.7378	.19169	.11973	1.0836	1.0258	.43353	4.1041	.22964
#1	.01054	.10033	.01613	.09663	.00997	.00106	.11270	.18448	.00529	.01006	.01020	.01499	.09247	2.9925
#2	.01042	.09928	.01312	.09793	.01027	.00099	.11551	.18398	.00528	.01021	.01035	.01490	.09800	2.9828
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value														
Range														

Elem	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01017**	**.20083**	**.01026**	**.01965**	**1.1119**	**.03982**	**2.7480**	**.01006**	**.03933**	**.00884**	**.01329**	**.44390**	**.94994**	**.10186**
Stddev	.00002	.00327	.00002	.00029	.0091	.00004	.0032	.00055	.00076	.00226	.00349	.01975	.04227	.00020
%RSD	.19985	1.6281	.15863	1.4822	.81651	.09748	.11669	5.4175	1.9285	25.561	26.284	4.4497	4.4497	.19623
#1	.01019	.19851	.01027	.01985	1.1055	.03984	2.7502	.00968	.03880	.01044	.01082	.42993	.92005	.10172
#2	.01016	.20314	.01024	.01944	1.1183	.03979	2.7457	.01045	.03987	.00724	.01576	.45786	.97982	.10200
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value														
Range														

Elem	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00985**	**.01462**	**.00974**	**.01652**	**.07404**	**.00919**	**.02191**	**.01446**
Stddev	.00014	.00152	.00027	.00118	.00986	.00029	.00093	.00039
%RSD	1.4243	10.425	2.7721	7.1546	13.317	3.1696	4.2502	2.6980
#1	.00995	.01570	.00955	.01569	.06706	.00940	.02257	.01474
#2	.00975	.01354	.00993	.01736	.08101	.00899	.02125	.01418
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value								
Range								

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**3451.0**	**53566.**	**5746.9**
Stddev	8.5	58.	21.7
%RSD	.24515	.10742	.37829
#1	3457.0	53525.	5762.3
#2	3445.1	53606.	5731.5

Sample Name: 280-28131-BB-4-B Acquired: 5/2/2012 2:20:42 Type: Unk
Method: 6500_025(v2) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 117184 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00000**	**.17296**	**-.00246**	**.12773**	**.02103**	**.00006**	**-.00278**	**8.9689**	**.00019**	**-.00033**
Stddev	.00013	.00068	.00182	.00007	.00004	.00003	.00035	.0486	.00006	.00006
%RSD	2948.3	.39159	73.982	.05318	.17414	52.752	12.727	.54164	30.059	17.754
#1	.00010	.17248	-.00375	.12778	.02106	.00004	-.00303	9.0032	.00023	-.00029
#2	-.00009	.17344	-.00117	.12768	.02101	.00009	-.00253	8.9345	.00015	-.00037
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00001**	**.00006**	**.00406**	**15.223**	**.04423**	**.14301**	**.00039**	**.01000**	**274.99**	**-.00027**
Stddev	.00005	.00021	.00055	.063	.00140	.00287	.00002	.00046	1.06	.00007
%RSD	400.77	371.03	13.580	.41065	3.1733	2.0052	4.4820	4.6237	.38502	24.687
#1	-.00005	.00021	.00367	15.267	.04523	.14098	.00040	.00968	275.74	-.00031
#2	.00002	-.00009	.00444	15.179	.04324	.14503	.00037	.01033	274.24	-.00022
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00600**	**.00095**	**130.20**	**-.00398**	**.00233**	**8.5389**	**18.273**	**.00007**	**.29875**	**.00036**
Stddev	.00009	.00078	.08	.00435	.00176	.0797	.171	.00009	.00152	.00020
%RSD	1.5045	82.202	.06331	109.28	75.509	.93365	.93365	116.03	.50995	55.989
#1	.00606	.00150	130.26	-.00706	.00108	8.5952	18.394	.00014	.29983	.00022
#2	.00594	.00040	130.14	-.00091	.00357	8.4825	18.153	.00001	.29767	.00050
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00018**	**-.00008**	**.01013**	**.00005**	**.00237**	**-.00057**
Stddev	.00007	.00300	.01322	.00020	.00054	.00266
%RSD	41.757	3683.2	130.50	393.75	22.811	462.52
#1	.00013	.00204	.01947	.00020	.00276	-.00245
#2	.00023	-.00221	.00078	-.00009	.00199	.00131
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**3235.0**	**49467.**	**5692.0**
Stddev	1.4	73.	4.7
%RSD	.04204	.14708	.08310
#1	3236.0	49519.	5688.6
#2	3234.0	49416.	5695.3

Sample Name: sd 28131-BB-4-B@5 Acquired: 5/2/2012 2:23:08 Type: Unk
Method: 6500_025(v2) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 117184 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00053**	**.03592**	**-.00434**	**.02712**	**.00441**	**.00007**	**-.00165**	**1.8278**	**.00022**	**.00001**
Stddev	.00016	.00026	.00291	.00002	.00026	.00011	.00257	.0048	.00018	.00002
%RSD	29.347	.72272	67.080	.08023	5.8920	158.74	155.42	.26136	82.531	227.57
#1	.00042	.03573	-.00641	.02711	.00460	-.00001	.00016	1.8311	.00035	.00003
#2	.00064	.03610	-.00228	.02714	.00423	.00015	-.00347	1.8244	.00009	-.00001
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00018**	**-.00029**	**.00661**	**3.1195**	**.00906**	**.03285**	**.00021**	**.00180**	**56.423**	**-.00013**
Stddev	.00012	.00021	.00164	.0573	.00085	.00161	.00005	.00017	.117	.00019
%RSD	65.625	73.594	24.817	1.8370	9.3698	4.9111	21.481	9.3646	.20671	140.23
#1	.00010	-.00014	.00777	3.1600	.00846	.03399	.00024	.00168	56.505	.00000
#2	.00027	-.00044	.00545	3.0790	.00966	.03171	.00018	.00192	56.340	-.00027
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00383**	**-.00045**	**25.833**	**-.00198**	**.00164**	**1.6991**	**3.6360**	**-.00001**	**.06070**	**.00102**
Stddev	.00410	.00154	.080	.00087	.00206	.0144	.0308	.00063	.00001	.00053
%RSD	107.17	344.58	.30891	44.148	125.43	.84768	.84768	11915.	.01667	51.624
#1	.00673	-.00154	25.777	-.00136	.00019	1.7093	3.6578	-.00045	.06071	.00065
#2	.00093	.00064	25.889	-.00260	.00310	1.6889	3.6142	.00044	.06070	.00139
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00019**	**.00067**	**.02102**	**-.00051**	**.00358**	**.00002**
Stddev	.00034	.00089	.00018	.00003	.00015	.00059
%RSD	176.73	133.49	.84875	6.5979	4.1206	3829.7
#1	-.00005	.00130	.02115	-.00049	.00347	-.00040
#2	.00043	.00004	.02090	-.00054	.00368	.00043
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**3370.6**	**51896.**	**5743.6**
Stddev	4.7	5.	22.4
%RSD	.13976	.01054	.39032
#1	3374.0	51892.	5727.7
#2	3367.3	51900.	5759.4

Sample Name: 280-28131-BB-4-C MS Acquired: 5/2/2012 2:25:31 Type: Unk
Method: 6500_025(v2) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 117184 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.05184**	**1.9371**	**1.0633**	**1.0890**	**2.0307**	**.04720**	F **2.0988**	**55.226**	**.10169**	**.48503**
Stddev	.00057	.0028	.0017	.0032	.0025	.00016	.0034	.066	.00015	.00118
%RSD	1.1048	.14659	.15766	.29750	.12112	.34161	.16022	.11988	.14804	.24297
#1	.05224	1.9391	1.0645	1.0913	2.0290	.04709	2.1011	55.179	.10179	.48586
#2	.05143	1.9351	1.0621	1.0868	2.0325	.04732	2.0964	55.273	.10158	.48420
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit							.10000			
Low Limit							-.10000			

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.19845**	**.26383**	**.96850**	**65.813**	**1.0280**	**46.671**	**.50270**	**1.0220**	**332.31**	**.48333**
Stddev	.00017	.00129	.00199	.018	.0025	.005	.00127	.0013	.37	.00156
%RSD	.08699	.48868	.20586	.02796	.24086	.00998	.25184	.12469	.11205	.32313
#1	.19833	.26475	.96709	65.800	1.0298	46.675	.50360	1.0229	332.04	.48444
#2	.19857	.26292	.96991	65.826	1.0263	46.668	.50181	1.0211	332.57	.48223
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **10.085**	**.47903**	**133.02**	**.48985**	**2.0650**	**18.074**	**38.678**	**1.9608**	**1.3111**	**1.0358**
Stddev	.036	.00132	.23	.00449	.0089	.033	.071	.0006	.0019	.0056
%RSD	.35211	.27519	.17474	.91737	.42866	.18313	.18313	.02835	.14377	.53879
#1	10.110	.47996	133.18	.49303	2.0712	18.097	38.728	1.9604	1.3098	1.0398
#2	10.060	.47810	132.85	.48668	2.0587	18.050	38.628	1.9612	1.3125	1.0319
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	2.0000									
Low Limit	-1.0000									

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.99364**	**1.8439**	**2.1841**	**.51066**	**.50065**	**.49345**
Stddev	.00210	.0075	.0263	.00257	.00069	.00076
%RSD	.21113	.40756	1.2023	.50304	.13711	.15425
#1	.99512	1.8493	2.2027	.51247	.50113	.49398
#2	.99216	1.8386	2.1656	.50884	.50016	.49291
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**3195.8**	**49136.**	**5749.4**
Stddev	.6	12.	5.6
%RSD	.01900	.02344	.09744
#1	3195.4	49144.	5745.4
#2	3196.2	49128.	5753.4

Sample Name: 280-28131-BB-4-D MSD Acquired: 5/2/2012 2:27:46 Type: Unk
Method: 6500_025(v2) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 117184 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.05301**	**1.9808**	**1.0787**	**1.1151**	**2.0728**	**.04796**	F **2.1416**	**56.574**	**.10373**	**.49524**
Stddev	.00034	.0035	.0043	.0019	.0095	.00023	.0023	.023	.00005	.00045
%RSD	.64972	.17824	.39413	.17439	.45608	.47052	.10693	.04062	.04971	.08990
#1	.05326	1.9833	1.0817	1.1165	2.0795	.04780	2.1432	56.590	.10376	.49556
#2	.05277	1.9783	1.0757	1.1138	2.0661	.04812	2.1399	56.558	.10369	.49493
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit							.10000			
Low Limit							-.10000			

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.20275**	**.26802**	**.99072**	**67.366**	**1.0470**	**47.659**	**.51308**	**1.0473**	**341.11**	**.49235**
Stddev	.00060	.00162	.00058	.115	.0003	.095	.00089	.0004	1.16	.00058
%RSD	.29730	.60474	.05880	.17126	.02836	.19859	.17337	.03671	.33947	.11768
#1	.20318	.26917	.99030	67.447	1.0468	47.726	.51371	1.0476	341.93	.49276
#2	.20232	.26688	.99113	67.284	1.0472	47.593	.51246	1.0471	340.29	.49194
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **10.290**	**.48885**	**136.61**	**.50140**	**2.0941**	**18.588**	**39.779**	W **2.0052**	**1.3400**	**1.0558**
Stddev	.025	.00276	.13	.00598	.0037	.042	.090	.0057	.0068	.0059
%RSD	.24548	.56374	.09361	1.1930	.17492	.22559	.22559	.28285	.50899	.55748
#1	10.308	.49079	136.70	.50563	2.0915	18.559	39.716	2.0092	1.3449	1.0600
#2	10.272	.48690	136.52	.49717	2.0967	18.618	39.843	2.0012	1.3352	1.0517
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass
High Limit	2.0000							2.0000		
Low Limit	-1.0000							-.05000		

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.0185**	**1.8851**	**2.2239**	**.52128**	**.51973**	**.50321**
Stddev	.0036	.0072	.0017	.00068	.00113	.00207
%RSD	.35532	.38159	.07818	.13128	.21754	.41227
#1	1.0210	1.8902	2.2227	.52176	.52053	.50468
#2	1.0159	1.8800	2.2251	.52080	.51893	.50175
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**3178.8**	**48790.**	**5690.2**
Stddev	8.1	3.	36.3
%RSD	.25393	.00639	.63814
#1	3173.1	48787.	5715.9
#2	3184.5	48792.	5664.5

Sample Name: 280-28131-R-5-A Acquired: 5/2/2012 2:30:01 Type: Unk
Method: 6500_025(v2) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 117184 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00052**	**.00074**	**-.00256**	**.00295**	**.00035**	**.00006**	**-.00222**	**.01670**	**.00023**	**-.00029**
Stddev	.00060	.00012	.00559	.00009	.00004	.00003	.00084	.00050	.00015	.00030
%RSD	115.73	15.755	218.70	3.1829	10.830	61.945	37.851	2.9733	63.794	102.22
#1	.00009	.00082	-.00651	.00301	.00038	.00003	-.00163	.01635	.00013	-.00051
#2	.00094	.00066	.00140	.00288	.00032	.00008	-.00281	.01706	.00033	-.00008
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00000**	**-.00073**	**.00284**	**.07887**	**.00175**	**-.00016**	**.00008**	**.00161**	**.27135**	**-.00070**
Stddev	.00002	.00004	.00071	.01135	.00125	.00118	.00002	.00056	.00181	.00018
%RSD	451.79	5.6554	24.929	14.392	71.701	737.48	22.353	34.557	.66626	25.374
#1	-.00001	-.00070	.00234	.08689	.00263	-.00099	.00009	.00122	.27263	-.00057
#2	.00002	-.00076	.00334	.07084	.00086	.00067	.00006	.00201	.27007	-.00082
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00066**	**-.00172**	**.05039**	**-.00245**	**-.00219**	**.00664**	**.01421**	**.00055**	**.00013**	**.00090**
Stddev	.00321	.00083	.00216	.00142	.00075	.00875	.01873	.00101	.00001	.00001
%RSD	484.71	48.298	4.2852	57.763	34.379	131.80	131.80	185.42	5.0914	1.0257
#1	-.00161	-.00113	.05192	-.00145	-.00272	.00045	.00097	.00126	.00013	.00090
#2	.00293	-.00230	.04886	-.00346	-.00166	.01283	.02745	-.00017	.00014	.00091
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00058**	**.00127**	**.01901**	**-.00064**	**.00212**	**.00055**
Stddev	.00055	.00041	.01900	.00022	.00017	.00118
%RSD	94.474	32.328	99.907	34.602	8.2267	214.79
#1	.00097	.00098	.03244	-.00048	.00200	-.00029
#2	.00019	.00156	.00558	-.00080	.00225	.00138
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**3416.5**	**53116.**	**5753.2**
Stddev	1.1	709.	31.8
%RSD	.03182	1.3348	.55286
#1	3415.7	53618.	5775.7
#2	3417.3	52615.	5730.7

Sample Name: 280-28131-S-6-C Acquired: 5/2/2012 2:32:25 Type: Unk
Method: 6500_025(v2) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 117184 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00032**	**.00070**	**-.00048**	**.00263**	**.00012**	**.00012**	**-.00270**	**.01492**	**.00019**	**-.00013**
Stddev	.00010	.00035	.00014	.00047	.00032	.00006	.00239	.00121	.00011	.00010
%RSD	30.175	50.052	28.783	17.895	259.10	49.319	88.239	8.0929	59.075	80.379
#1	.00039	.00045	-.00038	.00229	.00035	.00008	-.00439	.01577	.00027	-.00020
#2	.00025	.00094	-.00057	.00296	-.00010	.00017	-.00102	.01406	.00011	-.00005
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00005**	**-.00047**	**.00295**	**.02662**	**.00039**	**.00145**	**.00014**	**-.00009**	**.17491**	**-.00036**
Stddev	.00018	.00015	.00049	.03413	.00106	.00247	.00006	.00005	.00094	.00012
%RSD	337.98	31.176	16.775	128.22	271.64	169.87	44.429	50.955	.53753	31.752
#1	.00008	-.00037	.00260	.00249	-.00036	.00320	.00019	-.00012	.17557	-.00028
#2	-.00018	-.00057	.00330	.05076	.00114	-.00029	.00010	-.00006	.17424	-.00044
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00100**	**.00027**	**.19651**	**-.00306**	**.00113**	**-.02833**	**-.06063**	**.00016**	**.00005**	**.00161**
Stddev	.00091	.00045	.00017	.00071	.00041	.00006	.00013	.00100	.00002	.00021
%RSD	90.858	165.01	.08872	23.189	35.954	.21630	.21630	622.45	49.620	12.965
#1	.00036	-.00005	.19639	-.00256	.00142	-.02837	-.06072	.00087	.00007	.00175
#2	.00164	.00059	.19663	-.00356	.00084	-.02829	-.06054	-.00055	.00003	.00146
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00028**	**-.00097**	**-.00174**	**-.00038**	**.00293**	**.00018**
Stddev	.00014	.00007	.00273	.00008	.00019	.00166
%RSD	47.941	6.8404	157.33	19.989	6.3172	941.09
#1	.00019	-.00102	.00020	-.00044	.00280	.00135
#2	.00038	-.00092	-.00367	-.00033	.00306	-.00100
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**3428.7**	**53272.**	**5784.3**
Stddev	3.5	197.	34.3
%RSD	.10266	.37038	.59302
#1	3431.2	53411.	5808.5
#2	3426.2	53132.	5760.0

Sample Name: CCVH-1390999 Acquired: 5/2/2012 2:34:50 Type: QC
Method: 6500_025(v2) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00185**	**47.868**	**-.00022**	**.00293**	**.00038**	**.00010**	F **1.0254**	**.00466**	**.00015**	**.00012**	**.00034**	**-.00515**
Stddev	.00004	.325	.00966	.00064	.00019	.00011	.0045	.00097	.00006	.00014	.00009	.00060
%RSD	1.9760	.67990	4412.2	21.832	51.372	107.88	.43390	20.718	40.622	116.00	27.586	11.666
#1	-.00187	48.098	-.00705	.00338	.00024	.00017	1.0285	.00534	.00011	.00022	.00027	-.00558
#2	-.00182	47.638	.00661	.00248	.00051	.00002	1.0222	.00398	.00020	.00002	.00041	-.00473
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							.10000					
Low Limit							-.10000					

Elem	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316	P_1782	Pb2203	S_1820	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**47.671**	**.03324**	**-.00073**	**-.02132**	**.00023**	**.00067**	**245.76**	**.00135**	**.00213**	**.00060**	**5.1009**	**-.00188**
Stddev	.294	.01659	.00009	.00422	.00001	.00043	2.64	.00021	.00300	.00196	.0150	.00283
%RSD	.61611	49.895	11.656	19.816	6.2195	63.501	1.0726	15.575	141.20	326.47	.29383	150.90
#1	47.879	.02151	-.00079	-.01833	.00024	.00037	247.62	.00149	.00000	.00199	5.1115	.00013
#2	47.464	.04497	-.00067	-.02431	.00022	.00097	243.89	.00120	.00425	-.00079	5.0903	-.00388
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit												
Low Limit												

Elem	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00364**	**-.01151**	**-.02463**	**.00204**	**.00036**	**5.1084**	**.00836**	**.00001**	**10.617**	**-.00481**	**.00159**	F **-.05098**
Stddev	.00152	.00172	.00368	.00232	.00007	.0036	.00028	.00109	.044	.00023	.00051	.00055
%RSD	41.804	14.956	14.956	113.46	19.961	.07102	3.3457	11806.	.41623	4.8378	32.260	1.0727
#1	.00472	-.01029	-.02203	.00368	.00031	5.1109	.00856	.00078	10.649	-.00498	.00123	-.05059
#2	.00257	-.01273	-.02724	.00040	.00041	5.1058	.00816	-.00076	10.586	-.00465	.00196	-.05137
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail
High Limit												50.000
Low Limit												-.02000

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**3297.2**	**49979.**	**5636.8**
Stddev	8.5	39.	59.7
%RSD	.25828	.07821	1.0584
#1	3291.1	50007.	5594.6
#2	3303.2	49951.	5678.9

Sample Name: CCVH-1390999 Acquired: 5/2/2012 7:03:23 Type: QC
Method: 6500_025(v2) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2714
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00114**	**48.286**	**.00382**	**.00093**	**.00043**	**.00012**	**1.0278**	**.00228**	**.00005**	**.00042**	**.00028**	**-.00250**	**47.769**
Stddev	.00012	.038	.00027	.00073	.00010	.00000	.0029	.00104	.00014	.00005	.00020	.00003	.075
%RSD	10.569	.07923	7.0552	78.640	22.259	3.0328	.27702	45.567	257.31	11.254	71.596	1.3133	.15717
#1	-.00122	48.259	.00363	.00041	.00050	.00012	1.0258	.00302	.00015	.00045	.00014	-.00247	47.716
#2	-.00105	48.313	.00401	.00144	.00036	.00011	1.0298	.00155	-.00004	.00039	.00043	-.00252	47.823
Check ?	None	Chk Pass	None	None	None	None	Chk Pass	None	None	None	None	None	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.01354**	**.00115**	**-.02141**	**.00008**	**.00049**	**247.30**	**.00117**	**.00354**	**.00108**	**4.9959**	**.00118**	**.00961**	**-.00945**
Stddev	.01869	.00028	.00024	.00004	.00047	.50	.00048	.00079	.00057	.0105	.00346	.00255	.01873
%RSD	138.04	24.416	1.1240	54.945	97.673	.20261	41.352	22.394	52.317	.20983	292.42	26.596	198.12
#1	-.00032	.00135	-.02158	.00011	.00015	246.94	.00151	.00298	.00068	4.9885	-.00126	.01141	-.02270
#2	-.02676	.00095	-.02124	.00005	.00082	247.65	.00082	.00410	.00148	5.0033	.00363	.00780	.00379
Check ?	None	None	None	None	None	Chk Pass	None	None	None	Chk Pass	None	None	None
Value													
Range													

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.02023**	**.00244**	**.00034**	**4.9381**	**.00625**	**.00005**	**10.229**	**-.00317**	**.00066**	**-.03277**
Stddev	.04008	.00003	.00007	.0012	.00016	.00021	.039	.00067	.00002	.00222
%RSD	198.12	1.0865	19.606	.02516	2.5285	380.56	.38225	21.195	3.5514	6.7847
#1	-.04857	.00242	.00029	4.9372	.00637	.00020	10.201	-.00269	.00067	-.03435
#2	.00811	.00246	.00039	4.9390	.00614	-.00009	10.257	-.00364	.00064	-.03120
Check ?	None	None	None	Chk Pass	None	None	Chk Pass	None	None	None
Value										
Range										

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**3285.0**	**49788.**	**5437.4**
Stddev	4.7	94.	2.1
%RSD	.14202	.18872	.03777
#1	3288.3	49854.	5436.0
#2	3281.7	49721.	5438.9

Sample Name: CCV-1390955 Acquired: 5/2/2012 7:05:43 Type: QC
Method: 6500_025(v2) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.49345**	**.49440**	**.97490**	**.48630**	**.49243**	**.46660**	**-.00075**	**4.7278**	**.49673**	**.49048**	**.48882**	**.50331**	**2.3719**
Stddev	.00040	.00270	.00146	.00118	.00044	.00129	.00117	.0177	.00014	.00041	.00081	.00051	.0035
%RSD	.08025	.54599	.15012	.24303	.09011	.27745	155.00	.37386	.02761	.08405	.16526	.10128	.14931
#1	.49373	.49249	.97593	.48714	.49212	.46751	.00007	4.7403	.49683	.49019	.48824	.50367	2.3744
#2	.49317	.49631	.97386	.48547	.49275	.46568	-.00158	4.7153	.49664	.49077	.48939	.50295	2.3694
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**48.776**	**.97163**	**19.180**	**.48501**	**.48526**	**4.9807**	**.48648**	**.96431**	**1.0013**	**.01969**	**.97236**	**.99613**	**4.6425**
Stddev	.108	.00231	.050	.00052	.00108	.0345	.00037	.00345	.0014	.00510	.00440	.00133	.0369
%RSD	.22233	.23799	.26182	.10621	.22210	.69363	.07656	.35797	.14283	25.918	.45268	.13323	.79499
#1	48.700	.97327	19.215	.48537	.48602	5.0051	.48674	.96675	1.0003	.01608	.96925	.99707	4.6164
#2	48.853	.96999	19.144	.48464	.48450	4.9562	.48622	.96187	1.0023	.02330	.97548	.99519	4.6686
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**9.9350**	**.97199**	**.48706**	**.00126**	**.48044**	**1.0066**	**.01092**	**.48611**	**.48323**	**.47941**
Stddev	.0790	.00094	.00026	.00039	.00149	.0004	.00840	.00289	.00099	.00273
%RSD	.79499	.09674	.05325	30.913	.30930	.04327	76.969	.59551	.20464	.56954
#1	9.8791	.97132	.48688	.00099	.48149	1.0063	.01686	.48816	.48393	.48134
#2	9.9908	.97265	.48725	.00154	.47939	1.0069	.00498	.48406	.48253	.47748
Check ?	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value										
Range										

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**3337.3**	**51330.**	**5506.8**
Stddev	2.5	37.	10.9
%RSD	.07411	.07265	.19794
#1	3339.1	51356.	5499.1
#2	3335.6	51304.	5514.5

Sample Name: CCB Acquired: 5/2/2012 7:07:56 Type: QC
Method: 6500_025(v2) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00022**	**.00085**	**-.00276**	**.00009**	**.00033**	**.00022**	**-.00216**	**.00411**	**.00044**	**-.00010**	**.00013**	**-.00072**	**.00307**
Stddev	.00100	.00072	.00258	.00068	.00010	.00008	.00045	.00418	.00013	.00013	.00016	.00033	.00169
%RSD	463.30	84.692	93.603	767.27	29.268	34.985	20.862	101.68	29.939	120.91	123.62	46.173	54.952
#1	.00093	.00034	-.00093	-.00039	.00039	.00016	-.00248	.00707	.00053	-.00002	.00024	-.00049	.00427
#2	-.00049	.00136	-.00459	.00057	.00026	.00027	-.00184	.00116	.00034	-.00019	.00002	-.00096	.00188
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit													
Low Limit													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.03576**	**.00089**	**.00292**	**.00013**	**.00084**	**.07021**	**-.00088**	**.00114**	**-.00003**	**.01440**	**.00043**	**.00403**	**-.01039**
Stddev	.00728	.00381	.00108	.00004	.00041	.00804	.00030	.00087	.00011	.00381	.00124	.00651	.00256
%RSD	20.347	427.57	36.822	29.245	47.969	11.452	33.618	76.303	350.21	26.438	288.31	161.63	24.592
#1	.03061	.00358	.00216	.00016	.00056	.06452	-.00109	.00053	-.00011	.01709	-.00045	-.00058	-.00859
#2	.04090	-.00180	.00368	.00011	.00113	.07589	-.00067	.00176	.00005	.01171	.00131	.00863	-.01220
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit													
Low Limit													

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.02224**	**.00135**	**.00021**	**.00253**	**.00011**	**.00097**	**-.01381**	**-.00058**	**.00111**	**-.00010**
Stddev	.00547	.00009	.00010	.00045	.00001	.00115	.01530	.00011	.00027	.00079
%RSD	24.592	6.9967	48.755	17.624	5.6698	118.57	110.82	19.768	23.968	763.40
#1	-.01838	.00142	.00028	.00285	.00011	.00016	-.02463	-.00050	.00130	.00045
#2	-.02611	.00128	.00014	.00222	.00012	.00179	-.00299	-.00066	.00093	-.00066
Check ?	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**3324.0**	**51471.**	**5398.6**
Stddev	.7	57.	32.6
%RSD	.02187	.11159	.60309
#1	3323.5	51430.	5421.6
#2	3324.5	51511.	5375.6

Sample Name: CCVL1390952 Acquired: 5/2/2012 7:10:21 Type: QC
Method: 6500_025(v2) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01030**	**.09959**	**.01069**	**.09314**	**.01013**	**.00093**	**.10785**	**.18607**	**.00523**	**.00999**	**.00970**	**.01457**	**.09341**
Stddev	.00017	.00026	.00190	.00005	.00025	.00005	.00528	.00229	.00017	.00037	.00026	.00034	.00093
%RSD	1.6727	.26190	17.785	.05396	2.4921	4.8484	4.8914	1.2281	3.2697	3.7496	2.7054	2.3427	1.0003
#1	.01042	.09977	.01203	.09311	.01030	.00096	.10412	.18768	.00511	.00972	.00988	.01433	.09407
#2	.01018	.09940	.00934	.09318	.00995	.00090	.11158	.18445	.00535	.01025	.00951	.01482	.09275
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**2.9994**	**.01164**	**.19802**	**.01012**	**.01928**	**1.0499**	**.03904**	**2.7060**	**.00803**	**.00904**	**.00718**	**.01761**	**.46179**
Stddev	.0203	.00222	.00069	.00013	.00026	.0088	.00018	.0144	.00030	.00133	.00137	.00346	.01155
%RSD	.67571	19.101	.34610	1.2389	1.3717	.83502	.46580	.53313	3.7031	14.717	19.087	19.625	2.5000
#1	2.9851	.01007	.19754	.01003	.01909	1.0437	.03916	2.7162	.00825	.00998	.00621	.02005	.45363
#2	3.0137	.01321	.19851	.01020	.01947	1.0561	.03891	2.6958	.00782	.00810	.00815	.01517	.46996
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.98824**	**.09809**	**.00975**	**.01501**	**.00967**	**.01586**	F **.11411**	**.00921**	**.02089**	**.01465**
Stddev	.02471	.00142	.00001	.00066	.00004	.00159	.00292	.00000	.00009	.00034
%RSD	2.5000	1.4523	.10771	4.4284	.43061	10.041	2.5586	.01282	.44216	2.3345
#1	.97077	.09910	.00976	.01454	.00964	.01699	.11205	.00921	.02096	.01440
#2	1.0057	.09708	.00975	.01548	.00970	.01474	.11618	.00921	.02083	.01489
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
Value							.06000			
Range							30.000%			

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**3380.7**	**52391.**	**5494.4**
Stddev	5.4	69.	.4
%RSD	.15976	.13227	.00684
#1	3384.5	52440.	5494.1
#2	3376.8	52342.	5494.6

Sample Name: 280-28131-BB-4-B Acquired: 5/2/2012 7:12:44 Type: Unk
Method: 6500_025(v2) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 117184 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	s **-.00161**	**.16022**	k **-.00296**	k **.11442**	k **.00133**	k **.00002**	k **-.00031**	k **.46325**	k **.00015**	k **-.00024**
Stddev	.00035	.02424	.00121	.02013	.00077	.00004	.00028	.31780	.00004	.00022
%RSD	21.587	15.130	40.873	17.595	57.763	235.39	88.363	68.604	26.899	88.550
#1	s -.00186	.14308	k -.00381	k .10019	k .00187	k .00004	k -.00012	k .68797	k .00012	k -.00040
#2	s -.00137	.17736	k -.00210	k .12866	k .00078	k -.00001	k -.00051	k .23853	k .00018	k -.00009
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	k **.00020**	s **-.00267**	**.00064**	**.77816**	k **.00365**	s **.03782**	s **.00006**	k **.00908**	**15.026**	**-.00006**
Stddev	.00009	.00048	.00040	.47798	.00110	.00357	.00004	.00200	9.219	.00005
%RSD	45.656	18.133	62.033	61.425	30.077	9.4446	71.552	22.023	61.351	87.051
#1	k .00026	s -.00233	.00036	1.1161	k .00443	s .03529	s .00003	k .00767	21.545	-.00002
#2	k .00014	s -.00301	.00092	.44017	k .00287	s .04034	s .00009	k .01049	8.5077	-.00010
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	k **.00699**	k **-.00050**	^ *****	k **-.00227**	k **-.00254**	k **.49660**	k **1.0627**	k **-.00066**	**.01481**	s **.00047**
Stddev	.00153	.00007	-----	.00295	.00493	.27548	.5895	.00005	.00984	.00101
%RSD	21.865	13.986	-----	129.98	194.36	55.474	55.474	8.3119	66.466	213.91
#1	k .00807	k -.00055	^ -----	k -.00436	k -.00603	k .69140	k 1.4796	k -.00062	.02177	s -.00024
#2	k .00591	k -.00045	k 129.62	k -.00018	k .00095	k .30180	k .64586	k -.00070	.00785	s .00118
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	s **.00052**	k **.00056**	s **.01589**	s **-.00026**	s **.00002**	k **.00110**
Stddev	.00031	.00002	.00408	.00001	.00013	.00102
%RSD	59.395	3.2110	25.667	3.6396	844.83	92.370
#1	s .00030	k .00057	s .01878	s -.00025	s -.00008	k .00038
#2	s .00073	k .00054	s .01301	s -.00027	s .00011	k .00182
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**3425.9**	^ *****	**8256.6**
Stddev	281.5	-----	512.6
%RSD	8.2164	-----	6.2089
#1	3624.9	^ -----	8619.1
#2	3226.9	^ -----	7894.1

Sample Name: sd 28131-BB-4-B@5 Acquired: 5/2/2012 7:15:07 Type: Unk
Method: 6500_025(v2) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 117184 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00025**	**.03696**	**-.00257**	**.02574**	**.00444**	**.00003**	**-.00128**	**1.8945**	**.00016**	**-.00005**
Stddev	.00038	.00048	.00305	.00002	.00007	.00008	.00145	.0239	.00016	.00013
%RSD	149.39	1.2913	118.66	.09661	1.6030	281.77	113.29	1.2641	99.916	270.28
#1	-.00052	.03662	-.00472	.02576	.00449	-.00003	-.00231	1.9114	.00028	.00004
#2	.00001	.03729	-.00041	.02572	.00439	.00009	-.00026	1.8776	.00005	-.00014
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00013**	**-.00049**	**.00642**	**3.1408**	**.00980**	**.03037**	**.00024**	**.00184**	**57.590**	**-.00055**
Stddev	.00009	.00013	.00032	.0240	.00151	.00025	.00002	.00034	.465	.00030
%RSD	65.198	25.997	4.9448	.76436	15.449	.81481	9.9876	18.437	.80807	55.123
#1	.00007	-.00040	.00619	3.1578	.01087	.03055	.00025	.00160	57.920	-.00034
#2	.00019	-.00057	.00664	3.1238	.00873	.03020	.00022	.00208	57.261	-.00077
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00131**	**-.00057**	**25.838**	**-.00265**	**-.00224**	**1.7438**	**3.7318**	**-.00015**	**.06118**	**.00061**
Stddev	.00036	.00055	.068	.00099	.00096	.0104	.0223	.00056	.00036	.00129
%RSD	27.277	96.495	.26246	37.440	42.989	.59673	.59673	367.73	.58937	211.91
#1	.00156	-.00096	25.790	-.00194	-.00156	1.7512	3.7475	-.00054	.06143	.00152
#2	.00106	-.00018	25.886	-.00335	-.00293	1.7365	3.7160	.00024	.06092	-.00030
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00005**	**.00173**	**.00260**	**-.00050**	**.00384**	**.00075**
Stddev	.00007	.00109	.01238	.00013	.00019	.00060
%RSD	151.61	63.020	475.25	26.453	4.8433	79.597
#1	.00000	.00096	.01136	-.00059	.00397	.00117
#2	.00009	.00250	-.00615	-.00041	.00371	.00033
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**3339.3**	**51945.**	**5554.2**
Stddev	15.8	266.	79.3
%RSD	.47238	.51285	1.4284
#1	3350.4	52133.	5498.1
#2	3328.1	51757.	5610.3

Sample Name: 280-28131-BB-4-C MS Acquired: 5/2/2012 7:17:30 Type: Unk
Method: 6500_025(v2) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 117184 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.05301**	**2.0060**	**1.0584**	**1.1012**	**2.0522**	**.04827**	F **2.1122**	**57.208**	**.10248**	**.49010**
Stddev	.00010	.0148	.0054	.0097	.0029	.00022	.0151	.060	.00085	.00255
%RSD	.18217	.73764	.50601	.88440	.13941	.45112	.71681	.10471	.82968	.52108
#1	.05307	2.0164	1.0622	1.1081	2.0542	.04842	2.1229	57.250	.10308	.49191
#2	.05294	1.9955	1.0546	1.0943	2.0502	.04811	2.1015	57.165	.10188	.48830
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit							.10000			
Low Limit							-.10000			

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.19971**	**.26283**	**.97898**	**66.753**	**1.0505**	**48.320**	**.51081**	**1.0292**	**337.84**	**.48883**
Stddev	.00103	.00068	.00048	.050	.0029	.135	.00091	.0082	.79	.00450
%RSD	.51517	.26008	.04923	.07476	.27970	.27965	.17894	.79701	.23438	.91981
#1	.20043	.26332	.97864	66.788	1.0526	48.224	.51016	1.0350	338.40	.49201
#2	.19898	.26235	.97932	66.717	1.0484	48.415	.51146	1.0234	337.28	.48565
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **10.291**	**.48077**	**132.99**	**.49656**	**2.0530**	**18.794**	**40.220**	**1.9785**	**1.3252**	**1.0459**
Stddev	.090	.00422	.79	.00197	.0144	.079	.168	.0159	.0016	.0010
%RSD	.87534	.87807	.59353	.39583	.70124	.41888	.41888	.80441	.12185	.09352
#1	10.355	.48376	133.55	.49795	2.0632	18.850	40.339	1.9898	1.3264	1.0452
#2	10.228	.47779	132.43	.49517	2.0428	18.739	40.101	1.9672	1.3241	1.0466
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	2.0000									
Low Limit	-1.0000									

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.0258**	**1.8647**	**2.1789**	**.52441**	**.51629**	**.49734**
Stddev	.0010	.0176	.0254	.00003	.00287	.00294
%RSD	.10012	.94377	1.1649	.00548	.55611	.59048
#1	1.0250	1.8772	2.1610	.52443	.51426	.49942
#2	1.0265	1.8523	2.1969	.52439	.51832	.49526
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**3143.1**	**47725.**	**5477.5**
Stddev	15.7	250.	.6
%RSD	.49918	.52358	.01147
#1	3132.0	47902.	5477.9
#2	3154.2	47549.	5477.0

Sample Name: 280-28131-BB-4-D MSD Acquired: 5/2/2012 7:19:45 Type: Unk
Method: 6500_025(v2) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 117184 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.05367**	**2.0460**	**1.0729**	**1.1276**	**2.0843**	**.04932**	F **2.1594**	**58.266**	**.10441**	**.50029**
Stddev	.00062	.0063	.0023	.0078	.0046	.00010	.0068	.368	.00088	.00181
%RSD	1.1579	.30741	.21425	.69285	.22263	.20024	.31356	.63157	.84415	.36154
#1	.05411	2.0415	1.0713	1.1221	2.0875	.04939	2.1546	58.526	.10379	.49901
#2	.05323	2.0504	1.0745	1.1331	2.0810	.04925	2.1642	58.006	.10503	.50157
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit							.10000			
Low Limit							-.10000			

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.20308**	**.26749**	**.99325**	**68.168**	**1.0729**	**48.983**	**.51895**	**1.0516**	**346.42**	**.49801**
Stddev	.00008	.00344	.00160	.074	.0043	.345	.00496	.0055	.77	.00258
%RSD	.04166	1.2843	.16113	.10829	.40427	.70494	.95511	.52266	.22160	.51731
#1	.20302	.26991	.99212	68.220	1.0759	49.227	.52245	1.0477	346.96	.49619
#2	.20314	.26506	.99439	68.116	1.0698	48.739	.51544	1.0555	345.87	.49983
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **10.508**	**.49178**	**136.59**	**.50710**	**2.0854**	**19.180**	**41.045**	W **2.0198**	**1.3512**	**1.0612**
Stddev	.049	.00232	.63	.00464	.0125	.060	.129	.0062	.0025	.0082
%RSD	.46976	.47167	.46485	.91461	.59815	.31426	.31426	.30843	.18358	.77599
#1	10.473	.49014	136.15	.50382	2.0766	19.223	41.136	2.0154	1.3530	1.0671
#2	10.543	.49342	137.04	.51038	2.0943	19.137	40.954	2.0242	1.3495	1.0554
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass
High Limit	2.0000							2.0000		
Low Limit	-1.0000							-.05000		

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.0389**	**1.9029**	**2.2396**	**.52821**	**.52559**	**.50573**
Stddev	.0129	.0043	.0411	.00470	.00594	.00044
%RSD	1.2455	.22742	1.8333	.88985	1.1298	.08731
#1	1.0481	1.8998	2.2686	.53153	.52979	.50604
#2	1.0298	1.9059	2.2105	.52489	.52139	.50542
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**3136.8**	**47848.**	**5444.3**
Stddev	7.3	269.	29.0
%RSD	.23135	.56256	.53307
#1	3141.9	47658.	5423.8
#2	3131.7	48038.	5464.8

Sample Name: 280-28131-R-5-A Acquired: 5/2/2012 7:22:00 Type: Unk
Method: 6500_025(v2) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 117184 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00004**	**.00157**	**-.00319**	**.00221**	**.00011**	**.00003**	**-.00596**	**.01863**	**.00013**	**-.00003**
Stddev	.00003	.00007	.00274	.00086	.00005	.00004	.00019	.00183	.00015	.00008
%RSD	69.868	4.4237	85.772	39.023	40.135	154.26	3.1034	9.8348	112.58	300.96
#1	-.00002	.00152	-.00126	.00282	.00008	.00000	-.00583	.01992	.00024	.00003
#2	-.00007	.00162	-.00513	.00160	.00015	.00005	-.00610	.01733	.00003	-.00009
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00024**	**-.00058**	**.00092**	**.09636**	**.00176**	**.00260**	**.00008**	**.00173**	**.18362**	**-.00032**
Stddev	.00008	.00023	.00096	.01252	.00118	.00028	.00002	.00063	.00722	.00006
%RSD	34.363	39.784	104.35	12.997	67.274	10.903	21.071	36.291	3.9343	20.211
#1	.00030	-.00042	.00160	.08751	.00259	.00280	.00007	.00129	.18873	-.00027
#2	.00018	-.00074	.00024	.10522	.00092	.00240	.00010	.00218	.17851	-.00036
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00015**	**-.00038**	**.02728**	**-.00188**	**.00370**	**-.00358**	**-.00766**	**.00127**	**.00018**	**.00303**
Stddev	.00241	.00092	.00138	.00026	.00079	.00185	.00397	.00058	.00009	.00041
%RSD	1637.5	240.59	5.0589	13.946	21.248	51.777	51.777	45.689	52.784	13.535
#1	-.00185	.00027	.02630	-.00169	.00314	-.00227	-.00486	.00168	.00011	.00332
#2	.00156	-.00103	.02825	-.00206	.00425	-.00489	-.01047	.00086	.00024	.00274
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00017**	**.00032**	**.00107**	**-.00031**	**.00251**	**-.00075**
Stddev	.00005	.00003	.01899	.00026	.00070	.00048
%RSD	27.392	8.5010	1774.3	85.351	27.930	64.355
#1	.00020	.00034	.01450	-.00049	.00300	-.00041
#2	.00014	.00030	-.01236	-.00012	.00201	-.00109
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**3386.8**	**52860.**	**5557.0**
Stddev	2.6	126.	5.9
%RSD	.07621	.23869	.10665
#1	3385.0	52949.	5561.2
#2	3388.6	52771.	5552.8

Sample Name: 280-28131-S-6-C Acquired: 5/2/2012 7:24:24 Type: Unk
Method: 6500_025(v2) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 117184 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00010**	**.00104**	**-.00413**	**.00051**	**.00025**	**.00004**	**-.00266**	**.01937**	**.00028**	**-.00023**
Stddev	.00005	.00025	.00038	.00047	.00015	.00006	.00064	.00323	.00009	.00001
%RSD	51.928	24.086	9.2782	92.939	62.062	156.46	24.077	16.686	31.808	3.8570
#1	-.00006	.00087	-.00386	.00084	.00035	.00008	-.00220	.01709	.00034	-.00023
#2	-.00013	.00122	-.00440	.00017	.00014	.00000	-.00311	.02166	.00022	-.00022
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00006**	**-.00006**	**.00559**	**.03951**	**-.00007**	**.00352**	**.00015**	**-.00001**	**.11702**	**-.00025**
Stddev	.00018	.00014	.00418	.03072	.00017	.00415	.00003	.00013	.01585	.00011
%RSD	270.87	250.01	74.695	77.769	258.10	117.71	19.718	1337.1	13.547	44.494
#1	.00006	.00004	.00855	.06123	.00005	.00646	.00017	-.00010	.10581	-.00017
#2	-.00019	-.00015	.00264	.01778	-.00019	.00059	.00013	.00008	.12823	-.00033
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00113**	**-.00170**	**.17044**	**-.00120**	**.00128**	**-.02234**	**-.04782**	**.00096**	**.00007**	**.00024**
Stddev	.00118	.00052	.00002	.00013	.00120	.00834	.01786	.00080	.00006	.00083
%RSD	105.16	30.517	.01242	10.822	93.451	37.344	37.344	83.818	86.613	342.80
#1	.00029	-.00207	.17046	-.00130	.00044	-.02824	-.06044	.00153	.00003	-.00034
#2	.00196	-.00134	.17043	-.00111	.00213	-.01644	-.03519	.00039	.00012	.00083
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00026**	**.00010**	**.03099**	**-.00054**	**.00302**	**.00100**
Stddev	.00020	.00054	.01220	.00025	.00010	.00018
%RSD	74.123	549.64	39.378	46.829	3.2636	18.422
#1	.00040	-.00029	.03962	-.00072	.00296	.00113
#2	.00013	.00048	.02236	-.00036	.00309	.00087
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**3407.5**	**52737.**	**5593.0**
Stddev	6.4	91.	12.2
%RSD	.18760	.17329	.21735
#1	3412.0	52672.	5601.6
#2	3403.0	52801.	5584.4

Sample Name: CCVH-1390999 Acquired: 5/2/2012 7:26:50 Type: QC
Method: 6500_025(v2) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2714
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00128**	**47.625**	**.00402**	**.00228**	**.00043**	**.00008**	**1.0159**	**.00327**	**.00003**	**.00015**	**.00045**	**-.00336**	**47.284**
Stddev	.00031	.313	.00270	.00087	.00020	.00014	.0071	.00369	.00009	.00040	.00022	.00014	.428
%RSD	24.075	.65677	67.059	38.107	47.035	182.18	.69859	112.72	294.01	266.71	49.216	4.3018	.90580
#1	-.00150	47.846	.00593	.00167	.00028	-.00002	1.0209	.00588	.00009	.00043	.00029	-.00325	47.587
#2	-.00106	47.404	.00211	.00290	.00057	.00017	1.0108	.00066	-.00003	-.00013	.00060	-.00346	46.981
Check ?	None	Chk Pass	None	None	None	None	Chk Pass	None	None	None	None	None	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.03042**	**.00039**	**-.02390**	**.00019**	**.00051**	**244.70**	**.00073**	**.00414**	**.00000**	**4.9768**	**-.00285**	**.00307**	**.00678**
Stddev	.00432	.00110	.00402	.00000	.00003	1.23	.00009	.00242	.0006	.0039	.00212	.00049	.01039
%RSD	14.205	280.41	16.808	2.4864	5.8309	.50113	12.024	58.570	11883.	.07856	74.336	16.127	153.23
#1	.03348	-.00039	-.02674	.00019	.00049	245.56	.00067	.00243	-.00042	4.9740	-.00435	.00272	.01413
#2	.02737	.00117	-.02106	.00019	.00053	243.83	.00079	.00585	.00041	4.9795	-.00135	.00342	-.00057
Check ?	None	None	None	None	None	Chk Pass	None	None	None	Chk Pass	None	None	None
Value													
Range													

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01451**	**.00203**	**.00034**	**4.9824**	**.00732**	**.00081**	**10.343**	**-.00365**	**.00017**	**-.04273**
Stddev	.02224	.00111	.00006	.0132	.00008	.00112	.066	.00039	.00020	.00432
%RSD	153.23	54.536	17.376	.26415	1.0702	139.41	.63527	10.639	118.97	10.113
#1	.03023	.00281	.00030	4.9731	.00738	.00001	10.296	-.00337	.00003	-.03967
#2	-.00121	.00125	.00038	4.9917	.00727	.00160	10.389	-.00392	.00031	-.04578
Check ?	None	None	None	Chk Pass	None	None	Chk Pass	None	None	None
Value										
Range										

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**3286.9**	**49825.**	**5450.1**
Stddev	.7	176.	6.1
%RSD	.02208	.35237	.11195
#1	3286.4	49949.	5445.7
#2	3287.4	49700.	5454.4

Sample Name: CCV-1390955 Acquired: 5/2/2012 7:29:09 Type: QC
Method: 6500_025(v2) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.52145**	**.50598**	**1.0156**	**.49794**	**.51211**	**.47738**	**-.00153**	**4.8280**	**.51696**	**.51166**	**.51387**	**.53423**	**2.4686**
Stddev	.00461	.00069	.0017	.00181	.00110	.00121	.00094	.0183	.00106	.00166	.00039	.00702	.0165
%RSD	.88413	.13706	.16536	.36333	.21414	.25444	61.690	.37966	.20535	.32410	.07600	1.3133	.66897
#1	.52471	.50549	1.0144	.49666	.51134	.47652	-.00086	4.8151	.51621	.51049	.51359	.53919	2.4569
#2	.51819	.50647	1.0168	.49922	.51289	.47824	-.00219	4.8410	.51771	.51283	.51414	.52927	2.4803
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**50.895**	**1.0021**	**20.241**	**.51772**	**.51321**	**5.0117**	**.50913**	**.98563**	**1.0543**	**.01774**	**1.0063**	**1.0368**	**4.7626**
Stddev	.186	.0061	.144	.00402	.00131	.0029	.00238	.00520	.0010	.00351	.0003	.0060	.0299
%RSD	.36469	.61307	.71111	.77594	.25512	.05791	.46796	.52765	.09374	19.779	.02775	.58326	.62814
#1	50.763	.99777	20.343	.52056	.51228	5.0097	.50745	.98196	1.0536	.01526	1.0061	1.0411	4.7414
#2	51.026	1.0065	20.139	.51488	.51413	5.0138	.51082	.98931	1.0550	.02022	1.0065	1.0326	4.7838
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**10.192**	**1.0244**	**.50578**	**.00071**	**.50408**	**1.0436**	**-.01348**	**.51576**	**.52324**	**.50423**
Stddev	.064	.0062	.00107	.00041	.00311	.0015	.00348	.00265	.00361	.00236
%RSD	.62814	.60622	.21186	57.651	.61688	.14817	25.788	.51469	.68982	.46880
#1	10.147	1.0200	.50502	.00100	.50628	1.0446	-.01594	.51764	.52579	.50256
#2	10.237	1.0288	.50654	.00042	.50188	1.0425	-.01102	.51388	.52069	.50590
Check ?	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value										
Range										

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**3320.5**	**49147.**	**5401.6**
Stddev	10.0	73.	62.5
%RSD	.30006	.14778	1.1573
#1	3313.4	49198.	5445.8
#2	3327.5	49095.	5357.4

Sample Name: CCB Acquired: 5/2/2012 7:31:21 Type: QC
Method: 6500_025(v2) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00029**	**-.00012**	**-.00238**	**.00032**	**.00019**	**.00014**	**-.00235**	**.00078**	**.00005**	**-.00016**	**.00009**
Stddev	.00001	.00019	.00398	.00071	.00009	.00001	.00011	.00410	.00014	.00004	.00009
%RSD	2.7139	155.02	166.99	223.10	49.034	7.9488	4.6628	526.42	247.50	25.519	97.280
#1	.00030	.00001	-.00519	.00082	.00012	.00015	-.00227	-.00212	-.00004	-.00013	.00016
#2	.00029	-.00025	.00043	-.00018	.00026	.00013	-.00242	.00368	.00015	-.00019	.00003
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit											
Low Limit											

Elem	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **-.00138**	**.00073**	**.04501**	**-.00009**	**-.00046**	**.00008**	**.00076**	**.08391**	**-.00047**	**.00120**	**-.00114**
Stddev	.00033	.00056	.02434	.00231	.00403	.00002	.00001	.00627	.00016	.00151	.00027
%RSD	24.042	76.805	54.075	2547.1	877.50	27.638	1.7795	7.4736	33.330	126.05	23.759
#1	-.00162	.00113	.02780	.00154	-.00331	.00009	.00075	.07948	-.00036	.00013	-.00133
#2	-.00115	.00034	.06222	-.00172	.00239	.00006	.00077	.08835	-.00058	.00226	-.00095
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	.00136										
Low Limit	-.00136										

Elem	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00588**	**-.00128**	W **.00792**	**-.00559**	**-.01195**	**.00137**	**.00005**	**.00112**	**.00022**	**.00023**	**.00885**
Stddev	.00086	.00137	.00031	.00020	.00043	.00087	.00002	.00065	.00004	.00092	.00022
%RSD	14.594	106.82	3.9202	3.6103	3.6103	63.294	42.331	57.956	16.344	401.88	2.4435
#1	.00649	-.00225	.00770	-.00544	-.01165	.00076	.00003	.00158	.00025	.00088	.00869
#2	.00527	-.00031	.00813	-.00573	-.01226	.00199	.00006	.00066	.00020	-.00042	.00900
Check ?	Chk Pass	Chk Pass	Chk Warn	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit			.00486								
Low Limit			-.00486								

Elem	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm
Avg	**-.00037**	**.00207**	**-.00165**
Stddev	.00011	.00001	.00088
%RSD	29.676	.50712	53.539
#1	-.00030	.00206	-.00102
#2	-.00045	.00207	-.00227
Check ?	Chk Pass	Chk Pass	Chk Pass
High Limit			
Low Limit			

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**3339.2**	**51819.**	**5491.0**
Stddev	9.0	135.	16.6
%RSD	.27059	.26145	.30291
#1	3345.6	51915.	5502.7
#2	3332.8	51724.	5479.2

Sample Name: CCVL1390952 Acquired: 5/2/2012 7:33:45 Type: QC
Method: 6500_025(v2) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01085**	**.10402**	**.01211**	**.09829**	**.01043**	**.00110**	**.11478**	**.18839**	**.00511**	**.01041**	**.01021**	**.01528**	**.09593**
Stddev	.00010	.00010	.00273	.00022	.00043	.00014	.00061	.00138	.00014	.00035	.00005	.00021	.00226
%RSD	.90159	.09970	22.537	.22763	4.1662	12.937	.53347	.73046	2.6898	3.3220	.51982	1.3580	2.3541
#1	.01092	.10394	.01018	.09813	.01073	.00100	.11435	.18742	.00520	.01066	.01017	.01513	.09753
#2	.01078	.10409	.01404	.09845	.01012	.00120	.11522	.18937	.00501	.01017	.01025	.01543	.09433
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**3.1497**	**.01048**	**.20857**	**.01049**	**.01975**	**1.0847**	**.04093**	**2.8459**	**.00911**	**.00806**	F **.00625**	F **.01976**	**.44303**
Stddev	.0357	.00175	.00138	.00006	.00004	.0124	.00010	.0057	.00221	.00136	.00037	.00572	.00779
%RSD	1.1325	16.659	.66306	.60024	.20595	1.1429	.23490	.19989	24.266	16.886	5.9878	28.933	1.7580
#1	3.1245	.01172	.20759	.01045	.01972	1.0935	.04087	2.8418	.00755	.00902	.00651	.01572	.44854
#2	3.1749	.00925	.20955	.01054	.01978	1.0759	.04100	2.8499	.01067	.00710	.00598	.02380	.43752
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Fail	Chk Fail	Chk Pass
Value											.01000	.01500	
Range											-30.000%	30.000%	

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.94809**	**.10264**	**.01005**	**.01567**	**.01003**	**.01678**	**.06866**	**.00941**	**.02287**	**.01545**
Stddev	.01667	.00008	.00002	.00194	.00057	.00101	.00463	.00062	.00034	.00057
%RSD	1.7580	.07844	.23391	12.350	5.6856	5.9883	6.7496	6.6088	1.4885	3.6800
#1	.95987	.10270	.01003	.01704	.01043	.01749	.06538	.00897	.02262	.01505
#2	.93630	.10259	.01007	.01430	.00962	.01607	.07193	.00985	.02311	.01586
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value										
Range										

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**3409.2**	**52616.**	**5550.8**
Stddev	5.6	91.	19.1
%RSD	.16367	.17325	.34366
#1	3413.1	52552.	5537.3
#2	3405.2	52680.	5564.3

Sample Name: MB 280-117240/1-A Acquired: 5/2/2012 7:36:08 Type: Unk
Method: 6500_025(v2) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 117240 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00001**	**.00101**	**-.00329**	**.00046**	**.00021**	**.00005**	**-.00091**	**.00719**	**.00017**	**-.00009**
Stddev	.00021	.00043	.00201	.00007	.00000	.00001	.00024	.00067	.00018	.00024
%RSD	2724.7	42.819	61.106	15.530	1.5685	29.711	26.574	9.2855	103.89	268.69
#1	.00016	.00071	-.00187	.00041	.00021	.00004	-.00074	.00671	.00030	.00008
#2	-.00014	.00132	-.00472	.00051	.00021	.00006	-.00108	.00766	.00005	-.00026
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00010**	**-.00064**	**.01053**	**.01364**	**.00195**	**.00080**	**.00015**	**.00001**	**.07292**	**-.00016**
Stddev	.00011	.00052	.00045	.00549	.00055	.00164	.00004	.00017	.00246	.00014
%RSD	107.17	80.548	4.2880	40.259	28.378	206.39	24.589	1804.3	3.3765	89.264
#1	-.00002	-.00101	.01085	.00976	.00234	.00196	.00017	-.00011	.07467	-.00026
#2	-.00018	-.00028	.01021	.01753	.00156	-.00037	.00012	.00013	.07118	-.00006
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00139**	**-.00013**	**.00432**	**-.00215**	**.00383**	W **-.00831**	**-.01779**	**.00046**	**.00004**	**-.00035**
Stddev	.00214	.00133	.00351	.00055	.00206	.01404	.03004	.00030	.00002	.00114
%RSD	154.11	1020.9	81.162	25.612	53.839	168.85	168.85	65.206	38.617	324.66
#1	.00012	.00081	.00680	-.00254	.00237	.00161	.00345	.00025	.00005	.00045
#2	-.00290	-.00107	.00184	-.00176	.00528	-.01824	-.03904	.00067	.00003	-.00115
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	None	Chk Pass	Chk Pass	Chk Pass
High Limit						.00500				
Low Limit						-.00500				

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00009**	**-.00100**	**.02910**	**-.00055**	**.00225**	**.00004**
Stddev	.00018	.00007	.01650	.00004	.00019	.00190
%RSD	204.25	7.0604	56.705	7.1998	8.3871	4798.5
#1	.00022	-.00105	.01743	-.00052	.00212	.00138
#2	-.00004	-.00095	.04077	-.00058	.00239	-.00130
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**3389.3**	**52624.**	**5569.0**
Stddev	6.7	117.	3.7
%RSD	.19877	.22189	.06672
#1	3384.6	52707.	5571.7
#2	3394.1	52542.	5566.4

Sample Name: LCS 280-117240/2-A Acquired: 5/2/2012 7:38:32 Type: Unk
Method: 6500_025(v2) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 117240 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.05181**	**1.9036**	**1.0226**	**.99250**	**2.0017**	**.04745**	**2.1466**	**46.579**	**.10108**	**.49068**
Stddev	.00012	.0006	.0016	.00184	.0019	.00026	.0083	.123	.00027	.00024
%RSD	.23681	.03399	.15877	.18516	.09622	.54734	.38791	.26421	.26718	.04830
#1	.05173	1.9031	1.0237	.99120	2.0003	.04727	2.1407	46.492	.10089	.49051
#2	.05190	1.9040	1.0214	.99380	2.0030	.04764	2.1525	46.666	.10127	.49085
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.20056**	**.26395**	**.96559**	**50.172**	**.98516**	**49.223**	**.50988**	**1.0179**	**52.111**	**.48921**
Stddev	.00015	.00077	.00830	.133	.00087	.174	.00094	.0009	.006	.00065
%RSD	.07320	.29343	.85921	.26494	.08804	.35452	.18344	.08728	.01106	.13188
#1	.20046	.26450	.95972	50.078	.98454	49.099	.50922	1.0185	52.115	.48875
#2	.20067	.26341	.97145	50.266	.98577	49.346	.51055	1.0173	52.107	.48966
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**9.9733**	**.49623**	**.01713**	**.49477**	**2.0525**	**9.4831**	F **20.294**	**2.0023**	**1.0041**	**1.0334**
Stddev	.0218	.00064	.00292	.00128	.0059	.0156	.033	.0055	.0013	.0007
%RSD	.21856	.12964	17.035	.25958	.28634	.16442	.16442	.27517	.12639	.06349
#1	9.9579	.49669	.01507	.49568	2.0566	9.4720	20.270	2.0062	1.0032	1.0338
#2	9.9887	.49578	.01920	.49386	2.0483	9.4941	20.317	1.9984	1.0050	1.0329
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit							24.610			
Low Limit							20.100			

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.0063**	**1.9962**	**2.2351**	**.51258**	**.50650**	**.49261**
Stddev	.0027	.0034	.0151	.00246	.00237	.00013
%RSD	.26982	.17056	.67570	.48003	.46729	.02630
#1	1.0044	1.9938	2.2244	.51084	.50483	.49270
#2	1.0082	1.9986	2.2458	.51432	.50817	.49252
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**3241.8**	**49416.**	**5510.1**
Stddev	3.6	9.	27.8
%RSD	.11062	.01920	.50395
#1	3244.3	49423.	5529.7
#2	3239.2	49409.	5490.5

Sample Name: 280-28099-E-4-A Acquired: 5/2/2012 7:40:42 Type: Unk
Method: 6500_025(v2) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 117240 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00023**	**.00284**	**.00211**	**.03460**	**.00937**	**.00003**	**-.00229**	**10.537**	**.00028**	**.00029**
Stddev	.00019	.00008	.00089	.00032	.00011	.00000	.00256	.036	.00009	.00003
%RSD	83.841	2.8465	42.125	.91940	1.1528	13.230	111.86	.34579	31.280	10.245
#1	.00036	.00290	.00273	.03483	.00944	.00003	-.00410	10.512	.00022	.00031
#2	.00009	.00278	.00148	.03438	.00929	.00003	-.00048	10.563	.00034	.00027
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Na8183
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	818.326 { 41}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00015**	**-.00028**	**1.8828**	**6.5644**	**.00184**	**3.2713**	**.76959**	**.00156**	W **10.559**	**11.743**
Stddev	.00006	.00031	.0044	.0510	.00180	.0039	.00089	.00052	.090	.083
%RSD	39.489	108.83	.23563	.77686	97.994	.11902	.11501	33.339	.85051	.70755
#1	.00011	-.00007	1.8796	6.5284	.00311	3.2740	.77022	.00119	10.496	11.802
#2	.00019	-.00050	1.8859	6.6005	.00056	3.2685	.76896	.00193	10.623	11.684
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass
High Limit									10.500	
Low Limit									-.50000	

Elem	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077
Line	231.604 {446}	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00003**	**.15005**	**.00027**	**3.6266**	**-.00144**	**.00283**	**14.547**	**31.130**	**.00038**	**.10486**
Stddev	.00003	.00116	.00083	.0011	.00283	.00083	.107	.229	.00072	.00085
%RSD	106.32	.77611	311.23	.03029	196.43	29.153	.73565	.73565	191.51	.81123
#1	.00006	.15087	-.00032	3.6274	.00056	.00341	14.471	30.968	.00089	.10426
#2	.00001	.14923	.00086	3.6259	-.00344	.00225	14.623	31.292	-.00013	.10546
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	283.730 {119}	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00178**	**.00032**	**.00093**	**-.00909**	**-.00015**	**.00317**	**.00088**
Stddev	.00099	.00026	.00039	.00502	.00006	.00015	.00043
%RSD	55.547	80.681	41.284	55.296	43.663	4.7792	48.107
#1	.00108	.00014	.00121	-.00553	-.00019	.00307	.00119
#2	.00248	.00050	.00066	-.01264	-.00010	.00328	.00058
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**3396.2**	**51959.**	**5588.7**
Stddev	4.3	25.	29.7
%RSD	.12766	.04852	.53222
#1	3393.1	51941.	5609.7
#2	3399.3	51977.	5567.6

Sample Name: 280-28099-E-5-A Acquired: 5/2/2012 7:43:05 Type: Unk
Method: 6500_025(v2) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 117240 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00035**	**.00509**	**-.00268**	**.01574**	**.00361**	**.00012**	**-.00406**	**9.1420**	**.00023**	**-.00019**
Stddev	.00032	.00017	.00092	.00036	.00016	.00000	.00001	.0560	.00006	.00005
%RSD	93.002	3.3133	34.384	2.2757	4.3441	3.3640	.17601	.61294	26.513	24.447
#1	.00012	.00521	-.00203	.01549	.00350	.00012	-.00406	9.1024	.00027	-.00022
#2	.00057	.00497	-.00333	.01600	.00373	.00011	-.00405	9.1816	.00019	-.00016
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00010**	**.00092**	**.00378**	**3.3331**	**.00172**	**3.0320**	**.15165**	**.00014**	**5.7208**	**-.00019**
Stddev	.00008	.00043	.00034	.0164	.00135	.0109	.00006	.00007	.0330	.00005
%RSD	76.227	47.027	8.9225	.49203	78.690	.36042	.03683	54.128	.57652	24.626
#1	.00016	.00062	.00402	3.3447	.00267	3.0397	.15169	.00008	5.6974	-.00016
#2	.00005	.00123	.00354	3.3215	.00076	3.0243	.15161	.00019	5.7441	-.00023
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01078**	**.00015**	**2.5843**	**-.00483**	**.00241**	**9.5478**	**20.432**	**.00038**	**.06548**	**.00103**
Stddev	.00178	.00093	.0003	.00138	.00278	.0466	.100	.00095	.00047	.00005
%RSD	16.538	602.11	.00979	28.533	115.30	.48794	.48794	251.01	.71173	5.3353
#1	.01204	-.00050	2.5842	-.00580	.00437	9.5149	20.362	.00105	.06515	.00107
#2	.00952	.00081	2.5845	-.00385	.00044	9.5808	20.503	-.00029	.06581	.00099
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00030**	**-.00053**	**.01234**	**-.00021**	**.00259**	**.00030**
Stddev	.00014	.00104	.03593	.00002	.00037	.00059
%RSD	45.745	195.44	291.05	8.7726	14.138	197.89
#1	.00040	.00020	.03775	-.00022	.00233	.00071
#2	.00020	-.00127	-.01306	-.00019	.00285	-.00012
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**3412.5**	**52513.**	**5672.9**
Stddev	2.9	69.	3.1
%RSD	.08461	.13049	.05467
#1	3410.4	52561.	5675.1
#2	3414.5	52464.	5670.7

Sample Name: 280-28099-E-6-A Acquired: 5/2/2012 7:45:27 Type: Unk
Method: 6500_025(v2) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 117240 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00034**	**.00207**	**-.00464**	**.00851**	**.00216**	**.00007**	**-.00311**	**13.702**	**.00036**	**-.00044**
Stddev	.00005	.00017	.00007	.00004	.00008	.00007	.00068	.094	.00005	.00015
%RSD	16.349	8.1712	1.4908	.47265	3.8421	102.13	21.912	.68846	13.933	33.521
#1	.00037	.00195	-.00459	.00854	.00222	.00002	-.00359	13.636	.00040	-.00054
#2	.00030	.00219	-.00468	.00848	.00210	.00012	-.00263	13.769	.00033	-.00033
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00031**	**.00005**	**.00281**	**1.3402**	**.00380**	**4.5506**	**.00017**	**.00016**	**6.0534**	**-.00029**
Stddev	.00014	.00000	.00022	.0281	.00106	.0125	.00002	.00018	.0218	.00008
%RSD	43.647	.41923	7.9339	2.0955	27.882	.27506	12.162	116.41	.36022	26.431
#1	.00041	.00005	.00297	1.3204	.00305	4.5417	.00015	.00028	6.0380	-.00024
#2	.00022	.00005	.00265	1.3601	.00455	4.5594	.00018	.00003	6.0688	-.00035
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.02205**	**-.00040**	**2.3072**	**-.00132**	**.00209**	**8.9020**	**19.050**	**-.00034**	**.06890**	**.00092**
Stddev	.00189	.00057	.0048	.00008	.00035	.0151	.032	.00031	.00042	.00034
%RSD	8.5883	142.47	.20615	6.1623	16.589	.16964	.16964	92.615	.61144	37.233
#1	.02339	.00000	2.3038	-.00138	.00233	8.8913	19.027	-.00056	.06860	.00068
#2	.02071	-.00080	2.3105	-.00127	.00184	8.9127	19.073	-.00012	.06919	.00116
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00013**	**.00059**	**.01310**	**.00093**	**.00321**	**-.00088**
Stddev	.00030	.00079	.00505	.00007	.00008	.00159
%RSD	240.38	132.30	38.575	7.3061	2.4458	180.19
#1	-.00034	.00115	.01667	.00098	.00316	.00024
#2	.00009	.00004	.00953	.00088	.00327	-.00200
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**3405.5**	**52272.**	**5653.6**
Stddev	2.8	151.	55.8
%RSD	.08147	.28883	.98765
#1	3407.5	52379.	5693.1
#2	3403.6	52165.	5614.1

Sample Name: sd 280-28099-E-6-A@5 Acquired: 5/2/2012 7:47:50 Type: Unk
Method: 6500_025(v2) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 117240 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00010**	**.00016**	**-.00263**	**.00147**	**.00060**	**.00007**	**.00009**	**2.7563**	**.00001**	**-.00020**
Stddev	.00013	.00029	.00133	.00044	.00002	.00005	.00034	.0125	.00006	.00011
%RSD	122.16	177.92	50.373	30.255	3.2516	75.694	374.02	.45400	396.57	55.322
#1	.00019	.00037	-.00170	.00115	.00058	.00010	.00033	2.7651	-.00003	-.00028
#2	.00001	-.00004	-.00357	.00178	.00061	.00003	-.00015	2.7474	.00005	-.00012
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00004**	**-.00069**	**.00479**	**.28222**	**.00163**	**.92336**	**.00015**	**-.00017**	**1.2768**	**-.00040**
Stddev	.00003	.00002	.00197	.01251	.00015	.00167	.00001	.00010	.0015	.00023
%RSD	66.196	2.3014	41.129	4.4340	9.1476	.18049	5.7674	60.091	.12040	57.634
#1	.00006	-.00068	.00619	.27337	.00152	.92218	.00016	-.00024	1.2778	-.00056
#2	.00002	-.00071	.00340	.29107	.00173	.92454	.00014	-.00010	1.2757	-.00023
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00471**	**.00018**	**.46269**	**-.00298**	**.00163**	**1.7587**	**3.7636**	**.00018**	**.01360**	**.00034**
Stddev	.00087	.00066	.00434	.00018	.00041	.0113	.0243	.00004	.00006	.00031
%RSD	18.444	377.18	.93849	6.1468	25.071	.64434	.64434	24.996	.44997	89.602
#1	.00532	-.00029	.45962	-.00285	.00191	1.7667	3.7807	.00015	.01365	.00013
#2	.00409	.00064	.46576	-.00311	.00134	1.7507	3.7464	.00021	.01356	.00056
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00023**	**.00085**	**.00847**	**-.00054**	**.00318**	**-.00007**
Stddev	.00014	.00187	.01847	.00005	.00076	.00243
%RSD	58.071	218.41	218.12	8.5348	23.778	3559.2
#1	.00033	-.00047	-.00459	-.00057	.00371	-.00179
#2	.00014	.00217	.02153	-.00050	.00264	.00165
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**3433.1**	**52877.**	**5625.6**
Stddev	6.7	50.	7.0
%RSD	.19604	.09518	.12451
#1	3437.8	52913.	5630.5
#2	3428.3	52842.	5620.6

Sample Name: 280-28099-E-6-B MS Acquired: 5/2/2012 7:50:13 Type: Unk
Method: 6500_025(v2) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 117240 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.05131**	**1.8447**	**1.0200**	**.98995**	**1.9755**	**.04676**	F **2.1257**	**59.241**	**.10050**	**.48388**
Stddev	.00031	.0097	.0116	.00524	.0007	.00028	.0029	.092	.00055	.00057
%RSD	.60305	.52798	1.1324	.52970	.03691	.59293	.13559	.15499	.55092	.11740
#1	.05109	1.8378	1.0118	.98624	1.9761	.04695	2.1237	59.176	.10010	.48348
#2	.05153	1.8516	1.0282	.99366	1.9750	.04656	2.1277	59.306	.10089	.48428
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit							.10000			
Low Limit							-.10000			

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.19754**	**.26235**	**.95215**	**50.643**	**.96736**	**52.669**	**.50181**	**1.0037**	**57.464**	**.48080**
Stddev	.00082	.00086	.00614	.095	.00186	.102	.00015	.0021	.290	.00186
%RSD	.41453	.32838	.64504	.18756	.19179	.19422	.03064	.20805	.50482	.38670
#1	.19696	.26296	.95649	50.576	.96605	52.741	.50170	1.0023	57.259	.47949
#2	.19812	.26174	.94780	50.710	.96867	52.596	.50192	1.0052	57.669	.48212
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **9.8672**	**.48804**	**2.3897**	**.48948**	**2.0362**	**18.233**	**39.019**	**1.9687**	**1.0589**	**1.0227**
Stddev	.0165	.00147	.0050	.00042	.0037	.018	.038	.0049	.0013	.0045
%RSD	.16681	.30186	.20785	.08562	.18247	.09618	.09618	.24839	.11796	.43689
#1	9.8556	.48909	2.3862	.48978	2.0336	18.246	39.045	1.9652	1.0598	1.0259
#2	9.8789	.48700	2.3933	.48918	2.0389	18.221	38.992	1.9721	1.0581	1.0196
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	2.0000									
Low Limit	-1.0000									

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.99317**	**1.9396**	**2.1721**	**.50251**	**.49373**	**.48431**
Stddev	.00147	.0064	.0046	.00211	.00430	.00069
%RSD	.14769	.33047	.21068	.42077	.87105	.14168
#1	.99421	1.9351	2.1753	.50400	.49069	.48383
#2	.99213	1.9441	2.1688	.50101	.49677	.48480
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**3260.9**	**49798.**	**5613.0**
Stddev	5.9	61.	15.6
%RSD	.18246	.12325	.27773
#1	3265.1	49755.	5624.0
#2	3256.7	49842.	5601.9

Sample Name: 280-28099-E-6-C MSD Acquired: 5/2/2012 7:52:22 Type: Unk
Method: 6500_025(v2) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 117240 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.05188**	**1.8709**	**1.0346**	**1.0010**	**1.9992**	**.04731**	F **2.1450**	**59.935**	**.10106**	**.48918**
Stddev	.00057	.0039	.0012	.0011	.0035	.00011	.0016	.076	.00013	.00087
%RSD	1.0913	.20743	.11361	.10656	.17677	.22698	.07320	.12612	.13162	.17710
#1	.05148	1.8681	1.0337	1.0003	1.9967	.04723	2.1462	59.882	.10096	.48857
#2	.05228	1.8736	1.0354	1.0018	2.0017	.04738	2.1439	59.989	.10115	.48980
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit							.10000			
Low Limit							-.10000			

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.20021**	**.26660**	**.97008**	**51.343**	**.98134**	**53.417**	**.50936**	**1.0181**	**58.230**	**.48681**
Stddev	.00008	.00120	.00342	.026	.00256	.101	.00081	.0014	.076	.00011
%RSD	.03871	.45082	.35264	.05000	.26111	.18951	.15836	.14270	.13039	.02222
#1	.20015	.26575	.96766	51.325	.97952	53.345	.50879	1.0170	58.177	.48689
#2	.20026	.26745	.97250	51.361	.98315	53.488	.50993	1.0191	58.284	.48673
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **9.9508**	**.49328**	**2.4093**	**.49506**	**2.0552**	**18.498**	**39.585**	**1.9906**	**1.0713**	**1.0349**
Stddev	.0154	.00135	.0158	.00063	.0041	.031	.066	.0018	.0030	.0019
%RSD	.15471	.27305	.65485	.12694	.20097	.16661	.16661	.09108	.27992	.18875
#1	9.9399	.49233	2.4204	.49461	2.0523	18.476	39.538	1.9894	1.0692	1.0335
#2	9.9617	.49424	2.3981	.49550	2.0581	18.519	39.632	1.9919	1.0735	1.0362
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	2.0000									
Low Limit	-1.0000									

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.0080**	**1.9644**	**2.2285**	**.51005**	**.50046**	**.49519**
Stddev	.0015	.0078	.0044	.00081	.00034	.00003
%RSD	.15188	.39945	.19686	.15913	.06837	.00702
#1	1.0069	1.9588	2.2316	.51063	.50070	.49522
#2	1.0091	1.9699	2.2254	.50948	.50021	.49517
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**3258.7**	**49707.**	**5598.8**
Stddev	2.5	63.	43.4
%RSD	.07617	.12735	.77464
#1	3256.9	49751.	5568.1
#2	3260.4	49662.	5629.4

Sample Name: CCVH-1390999 Acquired: 5/2/2012 7:54:32 Type: QC
Method: 6500_025(v2) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00159**	**49.452**	**.00003**	**.00287**	**.00056**	**.00009**	W **1.0597**	**.00892**	**.00001**	**.00009**	**.00051**	**-.00405**
Stddev	.00028	.154	.00093	.00004	.00010	.00003	.0013	.00333	.00021	.00004	.00027	.00016
%RSD	17.516	.31130	3578.5	1.4956	16.991	38.711	.12271	37.369	1640.0	47.022	53.045	4.0407
#1	-.00178	49.343	.00068	.00291	.00063	.00011	1.0588	.01128	-.00014	.00011	.00032	-.00416
#2	-.00139	49.560	-.00063	.00284	.00049	.00006	1.0606	.00656	.00016	.00006	.00070	-.00393
Check ?	None	Chk Pass	None	None	None	None	Chk Warn	None	None	None	None	None
Value							1.0000					
Range							5.0000%					

Elem	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316	P_1782	Pb2203	S_1820	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**49.462**	**.06231**	**.00203**	**-.02058**	**.00015**	**.00201**	**255.69**	**.00095**	**.00542**	**-.00240**	**5.2084**	**-.00240**
Stddev	.096	.02436	.00202	.00220	.00000	.00085	.95	.00025	.00302	.00049	.0045	.00114
%RSD	.19377	39.097	99.546	10.709	2.5752	42.527	.37213	25.991	55.765	20.187	.08563	47.566
#1	49.530	.07953	.00060	-.02214	.00015	.00140	255.02	.00078	.00328	-.00206	5.2052	-.00159
#2	49.395	.04508	.00345	-.01902	.00015	.00261	256.37	.00113	.00755	-.00275	5.2115	-.00320
Check ?	Chk Pass	None	None	None	None	None	Chk Pass	None	None	None	Chk Pass	None
Value												
Range												

Elem	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00451**	**.00269**	**.00576**	**.00237**	**.00039**	W **5.2731**	**.00802**	**.00090**	W **10.974**	**-.00418**	**.00178**	**-.04405**
Stddev	.00006	.00645	.01380	.00132	.00004	.0004	.00014	.00035	.066	.00013	.00039	.00216
%RSD	1.4378	239.72	239.72	55.824	10.371	.00724	1.7275	38.557	.60048	3.0710	21.724	4.9035
#1	.00446	-.00187	-.00400	.00143	.00041	5.2734	.00793	.00065	10.927	-.00427	.00205	-.04558
#2	.00455	.00725	.01552	.00331	.00036	5.2728	.00812	.00114	11.021	-.00408	.00150	-.04253
Check ?	None	None	None	None	None	Chk Warn	None	None	Chk Warn	None	None	None
Value						5.0000			10.000			
Range						5.0000%			5.0000%			

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**3280.3**	**49777.**	**5570.7**
Stddev	3.1	56.	23.1
%RSD	.09331	.11286	.41553
#1	3282.4	49738.	5587.1
#2	3278.1	49817.	5554.3

Sample Name: CCV-1390955 Acquired: 5/2/2012 7:56:53 Type: QC
Method: 6500_025(v2) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.52627**	**.51311**	**1.0377**	**.50682**	**.51746**	**.48129**	**-.00181**	**4.8663**	**.52183**	**.51710**	**.51978**	**.54090**	**2.4819**
Stddev	.00311	.00056	.0022	.00103	.00162	.00017	.00032	.0015	.00027	.00053	.00131	.00142	.0159
%RSD	.59065	.10860	.20688	.20318	.31246	.03471	17.400	.03026	.05203	.10172	.25253	.26260	.64076
#1	.52407	.51351	1.0362	.50609	.51860	.48141	-.00159	4.8652	.52164	.51673	.51885	.53989	2.4931
#2	.52847	.51272	1.0392	.50755	.51631	.48117	-.00203	4.8673	.52202	.51747	.52071	.54190	2.4706
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**51.213**	**1.0092**	**20.256**	**.52076**	**.51672**	**5.0544**	**.51375**	**1.0005**	**1.0626**	**.01323**	**1.0228**	**1.0445**	**4.7639**
Stddev	.086	.0019	.057	.00163	.00068	.0082	.00097	.0008	.0006	.00206	.0000	.0013	.0090
%RSD	.16719	.19032	.28005	.31271	.13186	.16291	.18947	.07840	.06041	15.571	.00340	.12374	.18953
#1	51.273	1.0105	20.215	.51960	.51721	5.0602	.51444	1.0011	1.0631	.01177	1.0228	1.0454	4.7575
#2	51.152	1.0078	20.296	.52191	.51624	5.0486	.51307	.99997	1.0622	.01469	1.0229	1.0436	4.7703
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**10.195**	**1.0309**	**.51074**	**.00052**	**.50891**	**1.0550**	**-.00227**	**.51866**	**.51822**	**.51073**
Stddev	.019	.0014	.00079	.00074	.00122	.0010	.02183	.00361	.00032	.00404
%RSD	.18953	.14041	.15485	143.54	.24060	.09842	963.36	.69541	.06268	.79027
#1	10.181	1.0319	.51130	-.00001	.50804	1.0557	-.01770	.51611	.51845	.51358
#2	10.208	1.0298	.51018	.00105	.50977	1.0543	.01317	.52121	.51799	.50787
Check ?	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value										
Range										

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**3339.2**	**51192.**	**5572.2**
Stddev	4.9	43.	6.8
%RSD	.14653	.08464	.12166
#1	3335.7	51222.	5567.4
#2	3342.6	51161.	5577.0

Sample Name: CCB Acquired: 5/2/2012 7:59:05 Type: QC
Method: 6500_025(v2) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00006**	**-.00008**	**.00043**	**.00065**	**-.00009**	**.00008**	**-.00298**	**-.00153**	**.00012**	**-.00021**	**-.00001**	**-.00081**	**-.00090**
Stddev	.00046	.00028	.00347	.00026	.00001	.00000	.00173	.00011	.00023	.00013	.00016	.00025	.00170
%RSD	753.56	356.37	802.76	40.128	8.2864	.03803	57.911	7.1330	193.36	63.176	1085.9	31.571	189.59
#1	-.00039	.00012	-.00202	.00084	-.00009	.00008	-.00420	-.00161	.00028	-.00031	.00010	-.00063	-.00210
#2	.00027	-.00028	.00288	.00047	-.00010	.00008	-.00176	-.00146	-.00004	-.00012	-.00013	-.00099	.00030
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit													
Low Limit													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.01049**	**-.00035**	**.00279**	**.00007**	**.00085**	**.08718**	**-.00069**	**.00042**	**-.00032**	**.00757**	**-.00120**	**.00163**	**-.00203**
Stddev	.02448	.00092	.00108	.00001	.00013	.00026	.00022	.00029	.00053	.00179	.00187	.00245	.00724
%RSD	233.31	260.92	38.831	19.573	15.836	.30005	31.616	69.440	164.13	23.616	156.15	150.68	356.56
#1	-.02781	-.00100	.00355	.00008	.00075	.08700	-.00084	.00021	-.00070	.00631	.00012	.00336	-.00715
#2	.00682	.00030	.00202	.00006	.00094	.08737	-.00053	.00063	.00005	.00884	-.00252	-.00011	.00309
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit													
Low Limit													

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00435**	**.00266**	**.00004**	**.00114**	**.00025**	**.00062**	**.01881**	**-.00019**	**.00177**	**-.00091**
Stddev	.01550	.00021	.00002	.00067	.00036	.00080	.00035	.00030	.00012	.00095
%RSD	356.56	8.0110	61.780	58.724	140.76	129.45	1.8778	156.27	6.8091	104.56
#1	-.01530	.00281	.00002	.00066	.00000	.00119	.01906	-.00040	.00185	-.00159
#2	.00661	.00251	.00006	.00161	.00051	.00005	.01856	.00002	.00168	-.00024
Check ?	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**3366.1**	**52064.**	**5509.8**
Stddev	2.8	95.	1.9
%RSD	.08253	.18301	.03415
#1	3364.1	51997.	5508.5
#2	3368.0	52132.	5511.1

Sample Name: CCVL1390952 Acquired: 5/2/2012 8:01:29 Type: QC
Method: 6500_025(v2) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01075**	**.10591**	**.01187**	**.10016**	**.01063**	**.00101**	**.11844**	**.19357**	**.00540**	**.01062**	**.01037**	**.01602**	**.09833**
Stddev	.00012	.00032	.00008	.00019	.00001	.00000	.00099	.00239	.00022	.00003	.00034	.00069	.00167
%RSD	1.1131	.29842	.70870	.18937	.13652	.21884	.83707	1.2325	4.0575	.28735	3.2957	4.3103	1.7028
#1	.01083	.10569	.01181	.10029	.01062	.00101	.11914	.19188	.00556	.01064	.01013	.01553	.09714
#2	.01067	.10614	.01193	.10002	.01064	.00101	.11774	.19525	.00525	.01059	.01061	.01651	.09951
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**3.1669**	**.01126**	**.21090**	**.01071**	**.02028**	**1.0902**	**.04142**	**2.9088**	**.00814**	**.00140**	F **.00540**	**.01537**	**.46108**
Stddev	.0098	.00207	.00315	.00009	.00013	.0032	.00033	.0074	.00133	.00187	.00092	.00159	.01744
%RSD	.30815	18.360	1.4952	.85782	.65750	.29478	.79431	.25489	16.308	133.13	17.094	10.378	3.7833
#1	3.1738	.01272	.20867	.01065	.02037	1.0925	.04166	2.9036	.00907	.00273	.00475	.01424	.44875
#2	3.1600	.00980	.21313	.01078	.02018	1.0879	.04119	2.9141	.00720	.00008	.00606	.01650	.47342
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Fail	Chk Pass	Chk Pass
Value											.01000		
Range											-30.000%		

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.98671**	**.10602**	**.01029**	**.01531**	**.01033**	**.01631**	F **.11023**	**.00960**	**.02231**	**.01420**
Stddev	.03733	.00162	.00002	.00002	.00007	.00038	.01906	.00029	.00078	.00240
%RSD	3.7833	1.5318	.20262	.15280	.72192	2.3596	17.287	3.0676	3.4903	16.877
#1	.96032	.10717	.01031	.01529	.01027	.01658	.12371	.00980	.02176	.01590
#2	1.0131	.10487	.01028	.01533	.01038	.01604	.09676	.00939	.02286	.01251
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
Value							.06000			
Range							30.000%			

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**3418.3**	**52740.**	**5603.7**
Stddev	12.4	66.	29.7
%RSD	.36285	.12601	.53009
#1	3409.6	52787.	5582.7
#2	3427.1	52693.	5624.7

Sample Name: 280-28141-F-1-A Acquired: 5/2/2012 8:03:51 Type: Unk
Method: 6500_025(v2) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 117240 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00019**	**.00100**	**-.00355**	**.14123**	**.00689**	**.00010**	**-.00091**	**19.646**	**.00023**	**-.00030**
Stddev	.00024	.00043	.00284	.00047	.00027	.00003	.00064	.023	.00011	.00018
%RSD	123.60	42.729	80.022	.33581	3.8553	28.890	69.546	.11461	48.189	60.613
#1	.00002	.00130	-.00154	.14090	.00670	.00012	-.00046	19.662	.00015	-.00043
#2	.00036	.00070	-.00555	.14157	.00708	.00008	-.00136	19.630	.00030	-.00017
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00041**	**.00083**	**.00403**	**3.5301**	**.00025**	**5.8235**	**.00020**	**-.00010**	**30.471**	**.00080**
Stddev	.00024	.00004	.00122	.0056	.00140	.0200	.00006	.00001	.124	.00010
%RSD	58.272	4.5016	30.220	.15995	571.58	.34410	30.420	13.081	.40543	12.167
#1	.00057	.00086	.00489	3.5261	.00124	5.8376	.00016	-.00011	30.384	.00086
#2	.00024	.00080	.00317	3.5341	-.00075	5.8093	.00024	-.00009	30.559	.00073
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01982**	**-.00272**	**5.3719**	**-.00137**	**.00403**	**13.308**	**28.479**	**.00031**	**.15899**	**.00057**
Stddev	.00082	.00018	.0027	.00191	.00178	.003	.006	.00005	.00006	.00063
%RSD	4.1500	6.7480	.05003	139.40	44.142	.01997	.01997	16.931	.04036	110.18
#1	.01924	-.00259	5.3738	-.00273	.00277	13.310	28.483	.00027	.15894	.00013
#2	.02040	-.00285	5.3700	-.00002	.00529	13.306	28.475	.00035	.15903	.00102
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00038**	**.00066**	**.01707**	**.00020**	**.00307**	**-.00121**
Stddev	.00021	.00018	.00255	.00008	.00008	.00129
%RSD	54.267	27.746	14.932	38.749	2.6049	106.70
#1	.00023	.00053	.01887	.00014	.00312	-.00030
#2	.00053	.00079	.01526	.00025	.00301	-.00212
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**3354.7**	**51515.**	**5620.4**
Stddev	13.5	87.	4.2
%RSD	.40099	.16801	.07403
#1	3345.2	51454.	5623.4
#2	3364.2	51576.	5617.5

Sample Name: 280-28141-F-2-A□□280 Acquired: 5/2/2012 8:06:13 Type: Unk
Method: 6500_025(v2) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 117240 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00007**	**.00177**	**-.00098**	**.14309**	**.01729**	**.00001**	**-.00694**	**24.502**	**.00040**	**.00049**
Stddev	.00001	.00024	.00163	.00071	.00001	.00004	.00100	.048	.00003	.00023
%RSD	18.315	13.621	167.25	.49768	.03087	376.70	14.339	.19433	6.7832	48.241
#1	-.00006	.00160	-.00213	.14259	.01729	.00004	-.00765	24.536	.00038	.00032
#2	-.00008	.00194	.00018	.14360	.01728	-.00002	-.00624	24.469	.00042	.00065
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00021**	**.00197**	**.03805**	**11.049**	**.00252**	**7.8272**	**.10321**	**.00001**	**32.443**	**.00138**
Stddev	.00013	.00014	.00226	.018	.00168	.0514	.00047	.00001	.247	.00011
%RSD	64.178	6.9784	5.9515	.16731	66.695	.65600	.45282	94.508	.76209	7.7659
#1	.00011	.00207	.03965	11.035	.00133	7.8635	.10354	.00000	32.618	.00131
#2	.00030	.00187	.03645	11.062	.00370	7.7908	.10287	.00001	32.268	.00146
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.02509**	**-.00009**	**3.8269**	**-.00328**	**-.00071**	**18.709**	**40.036**	**-.00090**	**.23734**	**.00155**
Stddev	.00055	.00074	.0009	.00060	.00256	.133	.285	.00048	.00005	.00066
%RSD	2.2037	824.19	.02304	18.164	362.24	.71082	.71082	53.277	.02147	42.507
#1	.02548	.00043	3.8275	-.00286	.00110	18.803	40.238	-.00056	.23731	.00201
#2	.02470	-.00061	3.8263	-.00370	-.00252	18.615	39.835	-.00124	.23738	.00108
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00022**	**.00089**	**.01486**	**.00067**	**.00362**	**.00030**
Stddev	.00000	.00083	.01285	.00014	.00093	.00134
%RSD	1.7935	93.217	86.478	21.106	25.573	446.57
#1	.00022	.00030	.00577	.00057	.00296	-.00065
#2	.00022	.00148	.02394	.00077	.00427	.00125
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**3335.7**	**51193.**	**5599.3**
Stddev	1.5	377.	21.0
%RSD	.04387	.73601	.37546
#1	3334.7	50926.	5614.2
#2	3336.8	51459.	5584.4

Sample Name: 280-28141-F-3-A Acquired: 5/2/2012 8:08:34 Type: Unk
Method: 6500_025(v2) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 117240 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00016**	**.00214**	**.00097**	**.01855**	**.00389**	**.00005**	**-.00427**	**21.380**	**.00030**	**-.00006**
Stddev	.00042	.00027	.00379	.00020	.00005	.00007	.00201	.025	.00000	.00025
%RSD	267.64	12.448	390.63	1.0865	1.2802	133.20	47.166	.11735	1.6377	387.54
#1	.00045	.00233	.00365	.01841	.00392	.00010	-.00570	21.362	.00030	-.00024
#2	-.00014	.00195	-.00171	.01869	.00385	.00000	-.00285	21.397	.00029	.00011
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00048**	**-.00021**	**.00625**	**2.4812**	**.00223**	**9.7473**	**.00064**	**.00005**	**8.4363**	**.00001**
Stddev	.00004	.00006	.00018	.0316	.00048	.0094	.00003	.00002	.0048	.00022
%RSD	8.7596	28.057	2.8224	1.2723	21.434	.09628	3.9560	37.606	.05639	2123.0
#1	.00045	-.00025	.00612	2.4589	.00189	9.7539	.00065	.00003	8.4330	-.00014
#2	.00052	-.00017	.00637	2.5035	.00257	9.7406	.00062	.00006	8.4397	.00016
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.02068**	**.00015**	**2.0354**	**-.00159**	**.00045**	**14.535**	**31.105**	**.00012**	**.11265**	**-.00012**
Stddev	.00187	.00121	.0022	.00056	.00398	.011	.023	.00046	.00026	.00141
%RSD	9.0331	802.51	.10963	35.060	873.68	.07332	.07332	380.83	.22860	1204.9
#1	.02200	-.00070	2.0338	-.00198	.00327	14.527	31.089	-.00020	.11247	-.00111
#2	.01936	.00100	2.0370	-.00119	-.00236	14.543	31.121	.00044	.11283	.00088
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00041**	**.00145**	**.03060**	**.00188**	**.00363**	**.00079**
Stddev	.00022	.00190	.00485	.00029	.00053	.00264
%RSD	52.343	130.76	15.843	15.657	14.694	335.63
#1	.00057	.00280	.02717	.00209	.00401	.00265
#2	.00026	.00011	.03402	.00167	.00325	-.00108
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**3366.2**	**51801.**	**5632.4**
Stddev	9.2	23.	1.8
%RSD	.27239	.04468	.03149
#1	3372.7	51818.	5633.7
#2	3359.8	51785.	5631.1

Sample Name: 280-28141-F-4-A Acquired: 5/2/2012 8:10:56 Type: Unk
Method: 6500_025(v2) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 117240 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00028**	**.00066**	**-.00600**	**.10383**	**.01279**	**.00003**	**-.00424**	**22.186**	**.00031**	**-.00023**
Stddev	.00022	.00010	.00185	.00102	.00000	.00007	.00078	.086	.00009	.00017
%RSD	78.054	15.840	30.899	.98570	.02431	236.31	18.302	.38832	30.476	74.108
#1	.00043	.00059	-.00469	.10311	.01279	-.00002	-.00369	22.125	.00037	-.00011
#2	.00012	.00073	-.00731	.10456	.01279	.00008	-.00479	22.247	.00024	-.00035
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00009**	**.00110**	**.00518**	**7.2457**	**.00289**	**6.9238**	**.00140**	**.00013**	**24.747**	**.00018**
Stddev	.00015	.00019	.00060	.0178	.00189	.0119	.00004	.00000	.350	.00021
%RSD	171.97	17.355	11.649	.24579	65.238	.17209	2.9075	3.2289	1.4138	113.16
#1	-.00002	.00124	.00561	7.2583	.00423	6.9154	.00143	.00013	24.500	.00033
#2	.00019	.00097	.00475	7.2331	.00156	6.9323	.00137	.00013	24.995	.00004
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.02156**	**.00070**	**8.0001**	**-.00131**	**.00054**	**14.310**	**30.624**	**-.00020**	**.18955**	**.00068**
Stddev	.00104	.00020	.0285	.00104	.00413	.030	.064	.00010	.00044	.00044
%RSD	4.8025	27.965	.35667	79.757	760.32	.20953	.20953	50.522	.23286	64.710
#1	.02229	.00084	7.9799	-.00057	.00346	14.289	30.579	-.00013	.18924	.00099
#2	.02082	.00057	8.0203	-.00204	-.00238	14.332	30.670	-.00028	.18987	.00037
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00034**	**.00034**	**.03019**	**.00068**	**.00458**	**.00088**
Stddev	.00006	.00041	.00527	.00016	.00094	.00238
%RSD	17.150	118.35	17.463	23.659	20.444	269.54
#1	.00030	.00063	.02646	.00080	.00392	-.00080
#2	.00038	.00006	.03392	.00057	.00524	.00256
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**3349.0**	**51346.**	**5606.0**
Stddev	6.9	117.	10.6
%RSD	.20678	.22877	.18828
#1	3353.9	51429.	5613.5
#2	3344.1	51263.	5598.6

Sample Name: 280-28141-F-5-A Acquired: 5/2/2012 8:13:18 Type: Unk
Method: 6500_025(v2) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 117240 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00008**	**.00193**	**-.00217**	**.00053**	**.00035**	**.00006**	**.00165**	**.04626**	**.00008**	**-.00014**
Stddev	.00000	.00011	.00032	.00038	.00011	.00004	.00249	.00205	.00020	.00018
%RSD	3.3893	5.6166	14.930	72.078	32.705	63.713	151.16	4.4363	248.55	126.80
#1	.00008	.00201	-.00194	.00080	.00043	.00003	.00340	.04480	.00022	-.00001
#2	.00008	.00185	-.00240	.00026	.00027	.00009	-.00011	.04771	-.00006	-.00027
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00018**	**.00092**	**.00572**	**.02648**	**-.00180**	**.00544**	**.00026**	**.00002**	**.24227**	**-.00069**
Stddev	.00020	.00006	.00025	.03518	.00387	.00233	.00001	.00048	.01365	.00011
%RSD	111.76	6.6410	4.3955	132.84	214.49	42.853	5.7553	3109.6	5.6337	16.513
#1	.00032	.00096	.00590	.05135	.00093	.00708	.00025	-.00033	.23261	-.00077
#2	.00004	.00088	.00554	.00161	-.00454	.00379	.00027	.00036	.25192	-.00061
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00796**	**-.00028**	**.01265**	**-.00148**	**.00059**	**.00819**	**.01752**	**-.00042**	**.00017**	**.00168**
Stddev	.00025	.00144	.00007	.00009	.00097	.00833	.01783	.00052	.00000	.00031
%RSD	3.1141	507.90	.54837	5.8451	164.54	101.77	101.77	124.72	.43058	18.758
#1	.00813	.00073	.01270	-.00154	-.00010	.01408	.03013	-.00005	.00017	.00146
#2	.00778	-.00130	.01260	-.00142	.00128	.00230	.00491	-.00079	.00017	.00190
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00023**	**-.00026**	**.00707**	**-.00042**	**.00369**	**.00036**
Stddev	.00018	.00142	.00769	.00033	.00030	.00181
%RSD	80.457	553.15	108.66	77.540	7.9964	498.33
#1	.00010	-.00126	.01251	-.00019	.00390	.00165
#2	.00036	.00075	.00164	-.00066	.00348	-.00092
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**3401.9**	**53089.**	**5588.9**
Stddev	6.5	246.	5.0
%RSD	.19169	.46427	.08969
#1	3397.3	53264.	5585.3
#2	3406.6	52915.	5592.4

Sample Name: 280-28141-F-6-A Acquired: 5/2/2012 8:15:42 Type: Unk
Method: 6500_025(v2) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 117240 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00014**	**.00127**	**.00067**	**.19995**	**.02878**	**.00009**	**-.00412**	**29.700**	**.00047**	**.00097**
Stddev	.00006	.00024	.00008	.00096	.00017	.00002	.00031	.091	.00009	.00001
%RSD	45.129	19.109	11.967	.47778	.59716	21.830	7.5473	.30588	18.218	.74943
#1	.00018	.00109	.00073	.19928	.02866	.00010	-.00390	29.636	.00041	.00097
#2	.00009	.00144	.00061	.20063	.02891	.00008	-.00434	29.765	.00053	.00096
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00047**	**.00205**	**.00492**	**20.062**	**.00203**	**10.249**	**1.4409**	**-.00033**	**40.986**	**.00216**
Stddev	.00017	.00009	.00052	.041	.00180	.015	.0017	.00010	.290	.00010
%RSD	37.096	4.5486	10.484	.20348	88.476	.14396	.11569	29.921	.70640	4.5796
#1	.00035	.00212	.00528	20.033	.00076	10.238	1.4397	-.00026	40.781	.00223
#2	.00059	.00199	.00455	20.091	.00330	10.259	1.4421	-.00040	41.190	.00209
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.02802**	**-.00020**	**2.6238**	**-.00303**	**.00311**	**18.607**	**39.818**	**-.00057**	**.30569**	**.00100**
Stddev	.00253	.00191	.0023	.00220	.00424	.035	.075	.00099	.00135	.00016
%RSD	9.0308	934.33	.08932	72.698	136.61	.18927	.18927	174.13	.44124	15.568
#1	.02981	-.00155	2.6255	-.00458	.00011	18.582	39.765	.00013	.30474	.00111
#2	.02623	.00114	2.6222	-.00147	.00611	18.632	39.872	-.00127	.30665	.00089
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00027**	**.00115**	**-.00230**	**.00078**	**.00313**	**-.00093**
Stddev	.00017	.00091	.00925	.00018	.00057	.00002
%RSD	64.757	78.981	402.67	22.712	18.261	2.4587
#1	.00039	.00051	-.00883	.00065	.00353	-.00095
#2	.00015	.00179	.00424	.00090	.00272	-.00092
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**3306.6**	**50587.**	**5576.9**
Stddev	4.7	155.	32.2
%RSD	.14121	.30556	.57725
#1	3309.9	50697.	5599.7
#2	3303.3	50478.	5554.1

Sample Name: 280-28141-F-7-A Acquired: 5/2/2012 8:18:05 Type: Unk
Method: 6500_025(v2) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 117240 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00056**	**.00138**	**-.00374**	**.12293**	**.00757**	**.00007**	**-.00470**	**20.871**	**.00021**	**-.00027**
Stddev	.00027	.00086	.00265	.00006	.00016	.00008	.00090	.009	.00007	.00015
%RSD	47.663	62.601	70.644	.04523	2.0901	114.74	19.207	.04120	32.020	56.361
#1	.00037	.00199	-.00561	.12289	.00769	.00013	-.00534	20.865	.00016	-.00016
#2	.00075	.00077	-.00187	.12297	.00746	.00001	-.00406	20.878	.00025	-.00038
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00029**	**.00087**	**.00616**	**5.0240**	**.00180**	**6.2246**	**.00218**	**.00002**	**22.391**	**.00067**
Stddev	.00005	.00044	.00173	.0001	.00072	.0269	.00004	.00012	.342	.00037
%RSD	17.482	50.879	28.160	.00125	40.355	.43274	1.6626	561.33	1.5287	55.685
#1	.00033	.00056	.00739	5.0240	.00128	6.2437	.00216	-.00006	22.149	.00093
#2	.00025	.00118	.00493	5.0239	.00231	6.2056	.00221	.00010	22.633	.00040
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.03355**	**-.00026**	**6.2941**	**-.00242**	**-.00125**	**13.622**	**29.151**	**-.00040**	**.18022**	**.00028**
Stddev	.00206	.00072	.0033	.00006	.00583	.002	.004	.00005	.00022	.00229
%RSD	6.1259	272.00	.05313	2.6138	468.38	.01293	.01293	11.282	.12369	807.54
#1	.03209	-.00077	6.2965	-.00246	-.00537	13.621	29.148	-.00043	.18038	.00191
#2	.03500	.00024	6.2917	-.00237	.00288	13.623	29.154	-.00037	.18006	-.00134
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00022**	**.00012**	**-.00081**	**.00032**	**.00380**	**.00063**
Stddev	.00035	.00154	.01580	.00019	.00003	.00083
%RSD	159.81	1288.0	1957.1	59.617	.75533	133.14
#1	-.00003	-.00097	.01036	.00019	.00382	.00004
#2	.00046	.00121	-.01198	.00046	.00378	.00122
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**3355.2**	**51240.**	**5655.1**
Stddev	2.4	86.	10.0
%RSD	.07038	.16701	.17660
#1	3353.6	51180.	5662.1
#2	3356.9	51301.	5648.0

Sample Name: CCVH-1390999 Acquired: 5/2/2012 8:20:27 Type: QC
Method: 6500_025(v2) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00116**	**48.722**	**-.00062**	**.00129**	**.00062**	**.00009**	**1.0443**	**.00508**	**.00012**	**.00019**	**.00021**	**-.00345**
Stddev	.00054	.256	.00532	.00068	.00011	.00003	.0060	.00287	.00027	.00013	.00018	.00003
%RSD	46.352	.52634	854.66	53.182	17.893	29.126	.57828	56.630	231.94	69.702	84.846	.76024
#1	-.00078	48.541	-.00438	.00080	.00054	.00011	1.0485	.00711	.00031	.00010	.00034	-.00343
#2	-.00154	48.904	.00314	.00177	.00070	.00007	1.0400	.00304	-.00008	.00028	.00009	-.00347
Check ?	None	Chk Pass	None	None	None	None	Chk Pass	None	None	None	None	None
Value												
Range												

Elem	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316	P_1782	Pb2203	S_1820	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**48.476**	**.01070**	**.00074**	**-.02180**	**.00013**	**.00047**	**252.05**	**.00087**	**.00058**	**-.00148**	**5.1130**	**-.00121**
Stddev	.181	.06097	.00224	.00358	.00010	.00011	1.24	.00009	.00118	.00172	.0320	.00110
%RSD	.37236	569.74	304.82	16.432	74.156	23.769	.49137	10.468	203.50	116.10	.62661	90.452
#1	48.349	.05382	-.00085	-.02434	.00020	.00055	251.17	.00081	.00141	-.00027	5.1356	-.00199
#2	48.604	-.03241	.00232	-.01927	.00006	.00040	252.92	.00094	-.00025	-.00270	5.0903	-.00044
Check ?	Chk Pass	None	None	None	None	None	Chk Pass	None	None	None	Chk Pass	None
Value												
Range												

Elem	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00572**	**.00954**	**.02041**	**.00173**	**.00031**	**5.1892**	**.00766**	**.00098**	W **10.822**	**-.00386**	**.00140**	**-.04415**
Stddev	.00079	.01784	.03819	.00085	.00003	.0085	.00001	.00097	.035	.00001	.00004	.00200
%RSD	13.758	187.15	187.15	48.920	8.8556	.16350	.11481	98.828	.31914	.17001	2.8440	4.5295
#1	.00627	-.00308	-.00660	.00113	.00029	5.1832	.00765	.00030	10.797	-.00385	.00143	-.04557
#2	.00516	.02215	.04741	.00233	.00032	5.1952	.00766	.00167	10.846	-.00386	.00137	-.04274
Check ?	None	None	None	None	None	Chk Pass	None	None	Chk Warn	None	None	None
Value									10.000			
Range									5.0000%			

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**3286.4**	**49727.**	**5507.0**
Stddev	4.8	35.	14.5
%RSD	.14715	.07037	.26386
#1	3283.0	49702.	5517.3
#2	3289.8	49751.	5496.8

Sample Name: CCV-1390955 Acquired: 5/2/2012 8:22:47 Type: QC
Method: 6500_025(v2) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.51204**	**.49728**	**1.0037**	**.49266**	**.50378**	**.46820**	**-.00172**	**4.7108**	**.50760**	**.50310**	**.50401**	**.52954**	**2.4084**
Stddev	.00094	.00080	.0064	.00107	.00172	.00419	.00169	.0391	.00025	.00075	.00108	.00007	.0087
%RSD	.18388	.16115	.63339	.21659	.34200	.89552	98.232	.82992	.04851	.14840	.21358	.01295	.36188
#1	.51138	.49785	.99925	.49341	.50256	.46523	-.00291	4.6832	.50742	.50257	.50325	.52949	2.4023
#2	.51271	.49672	1.0082	.49190	.50499	.47116	-.00052	4.7385	.50777	.50363	.50477	.52959	2.4146
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**49.960**	**.97742**	**19.731**	**.50695**	**.50108**	**4.8966**	**.49883**	**.97900**	**1.0330**	**.01005**	**.99812**	**1.0229**	**4.6586**
Stddev	.224	.00511	.027	.00014	.00001	.0378	.00025	.00469	.0001	.00116	.00370	.0047	.0132
%RSD	.44806	.52321	.13648	.02698	.00150	.77159	.04931	.47879	.01178	11.552	.37119	.45917	.28241
#1	49.802	.97380	19.750	.50705	.50108	4.8698	.49866	.98232	1.0331	.00923	1.0007	1.0262	4.6493
#2	50.119	.98103	19.712	.50686	.50109	4.9233	.49901	.97569	1.0329	.01087	.99550	1.0195	4.6679
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**9.9694**	**1.0011**	**.49885**	**-.00025**	**.49179**	**1.0273**	**.00669**	**.50223**	**.50154**	**.49940**
Stddev	.0282	.0014	.00226	.00148	.00063	.0002	.00931	.00105	.00017	.00176
%RSD	.28241	.14204	.45323	596.43	.12739	.02290	139.12	.20984	.03465	.35289
#1	9.9495	1.0001	.49725	-.00129	.49135	1.0272	.01328	.50298	.50166	.49816
#2	9.9893	1.0021	.50045	.00080	.49223	1.0275	.00011	.50149	.50142	.50065
Check ?	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value										
Range										

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**3354.3**	**51404.**	**5632.7**
Stddev	7.7	66.	59.8
%RSD	.22972	.12748	1.0621
#1	3359.8	51450.	5675.0
#2	3348.9	51358.	5590.4

Sample Name: CCB Acquired: 5/2/2012 8:25:00 Type: QC
Method: 6500_025(v2) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00040**	**-.00051**	**-.00150**	**.00065**	**.00010**	**.00010**	**-.00226**	**.00065**	**.00009**	**-.00033**	**.00008**	**-.00086**	**-.00065**
Stddev	.00013	.00046	.00072	.00041	.00000	.00008	.00180	.00311	.00006	.00026	.00005	.00030	.00088
%RSD	32.724	90.185	47.971	62.992	2.8672	82.645	79.550	482.10	69.213	79.857	67.108	34.977	134.21
#1	.00050	-.00019	-.00099	.00036	.00010	.00015	-.00353	.00285	.00005	-.00014	.00004	-.00108	-.00003
#2	.00031	-.00084	-.00201	.00094	.00010	.00004	-.00099	-.00155	.00014	-.00052	.00011	-.00065	-.00128
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit													
Low Limit													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.04257**	**-.00212**	**.00173**	**.00012**	**.00090**	**.08562**	**-.00055**	**.00127**	**-.00064**	**.00052**	**-.00117**	**.00361**	**-.01154**
Stddev	.03469	.00074	.00024	.00002	.00039	.01240	.00032	.00041	.00109	.00717	.00073	.00316	.01339
%RSD	81.494	34.870	13.664	15.843	43.224	14.484	56.951	32.063	170.80	1370.2	63.005	87.662	116.03
#1	.01804	-.00160	.00156	.00010	.00062	.09439	-.00078	.00098	.00013	.00559	-.00169	.00137	-.00207
#2	.06710	-.00264	.00189	.00013	.00117	.07686	-.00033	.00156	-.00141	-.00455	-.00065	.00584	-.02100
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit													
Low Limit													

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.02469**	**.00091**	**.00003**	**.00078**	**.00052**	**-.00040**	**.00245**	**-.00029**	**.00274**	**.00206**
Stddev	.02865	.00056	.00002	.00124	.00022	.00016	.00582	.00026	.00037	.00177
%RSD	116.03	61.537	52.867	160.26	42.169	38.517	237.29	87.977	13.408	85.783
#1	-.00443	.00052	.00002	.00165	.00067	-.00051	.00657	-.00048	.00300	.00081
#2	-.04494	.00131	.00005	-.00010	.00036	-.00029	-.00166	-.00011	.00248	.00331
Check ?	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**3375.8**	**51879.**	**5578.5**
Stddev	4.2	258.	18.3
%RSD	.12321	.49774	.32883
#1	3378.7	52062.	5565.6
#2	3372.9	51697.	5591.5

Sample Name: CCVL1390952 Acquired: 5/2/2012 8:27:24 Type: QC
Method: 6500_025(v2) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01075**	**.10617**	**.01346**	**.10006**	**.01066**	**.00107**	**.11900**	**.19488**	**.00532**	**.01040**	**.01035**	**.01559**	**.09979**
Stddev	.00012	.00083	.00438	.00012	.00013	.00003	.00056	.00024	.00006	.00001	.00007	.00001	.00139
%RSD	1.1132	.77921	32.545	.12403	1.2545	2.7523	.46806	.12164	1.1115	.04983	.65208	.06771	1.3905
#1	.01066	.10675	.01036	.10015	.01056	.00104	.11939	.19504	.00536	.01040	.01030	.01558	.09881
#2	.01083	.10558	.01655	.09997	.01075	.00109	.11860	.19471	.00527	.01040	.01039	.01559	.10077
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**3.1656**	**.01037**	**.21305**	**.01078**	**.02051**	**1.1000**	**.04179**	**2.9144**	**.00976**	**.00246**	F **.00576**	**.01698**	**.46256**
Stddev	.0298	.00168	.00284	.00012	.00011	.0143	.00008	.0047	.00125	.00234	.00064	.00075	.01094
%RSD	.94079	16.212	1.3324	1.1460	.54218	1.2960	.20001	.16060	12.855	95.099	11.136	4.4048	2.3651
#1	3.1446	.01155	.21506	.01087	.02059	1.0899	.04173	2.9177	.01064	.00081	.00530	.01751	.47029
#2	3.1867	.00918	.21105	.01069	.02044	1.1101	.04185	2.9111	.00887	.00412	.00621	.01645	.45482
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Fail	Chk Pass	Chk Pass
Value											.01000		
Range											-30.000%		

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.98988**	**.10541**	**.01048**	**.01664**	**.00998**	**.01748**	**.06316**	**.00953**	**.02393**	**.01437**
Stddev	.02341	.00253	.00012	.00128	.00027	.00086	.00187	.00001	.00004	.00056
%RSD	2.3651	2.3955	1.1470	7.6663	2.7537	4.9277	2.9659	.08662	.15259	3.8673
#1	1.0064	.10720	.01039	.01755	.00979	.01687	.06184	.00952	.02391	.01476
#2	.97332	.10363	.01056	.01574	.01018	.01809	.06449	.00953	.02396	.01398
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value										
Range										

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**3431.1**	**52983.**	**5632.2**
Stddev	5.2	6.	61.4
%RSD	.15102	.01201	1.0894
#1	3427.4	52978.	5675.5
#2	3434.7	52987.	5588.8

Sample Name: MB 280-117477/1-A Acquired: 5/2/2012 8:29:46 Type: Unk
Method: 6500_025(v2) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 117477 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00026**	**.00156**	**-.00282**	**.00018**	**.00030**	**.00004**	**-.00312**	**.01020**	**.00024**	**-.00029**
Stddev	.00030	.00020	.00101	.00044	.00008	.00006	.00178	.00162	.00006	.00028
%RSD	113.47	12.689	35.773	241.15	25.018	149.72	57.176	15.866	25.819	96.830
#1	.00048	.00142	-.00353	-.00013	.00025	.00000	-.00186	.00906	.00019	-.00009
#2	.00005	.00170	-.00210	.00049	.00035	.00008	-.00438	.01135	.00028	-.00048
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00001**	**-.00051**	**-.00014**	**-.01148**	**-.00006**	**.00434**	**.00022**	**-.00014**	**.06754**	**-.00066**
Stddev	.00001	.00047	.00078	.01673	.00024	.00323	.00001	.00014	.00653	.00023
%RSD	182.67	92.278	555.09	145.74	426.41	74.570	4.8641	96.960	9.6670	34.968
#1	-.00001	-.00018	-.00070	-.02332	.00011	.00662	.00022	-.00005	.06293	-.00049
#2	.00000	-.00085	.00041	.00035	-.00022	.00205	.00023	-.00024	.07216	-.00082
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00140**	**-.00011**	W **.00788**	**-.00102**	**.00152**	W **-.00818**	**-.01750**	**-.00049**	**.00013**	**.00059**
Stddev	.00039	.00006	.00249	.00078	.00064	.01235	.02643	.00029	.00010	.00348
%RSD	28.070	53.225	31.534	76.594	41.927	151.05	151.05	58.463	77.245	591.44
#1	-.00168	-.00007	.00964	-.00047	.00107	-.01691	-.03618	-.00029	.00020	-.00187
#2	-.00112	-.00015	.00612	-.00157	.00197	.00056	.00119	-.00069	.00006	.00305
Check ?	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Warn	None	Chk Pass	Chk Pass	Chk Pass
High Limit			.00500			.00500				
Low Limit			-.00500			-.00500				

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00019**	**.00110**	**.01814**	**-.00014**	**.00240**	**.00006**
Stddev	.00015	.00017	.01294	.00017	.00044	.00059
%RSD	77.942	15.472	71.308	125.91	18.402	989.43
#1	.00029	.00098	.02729	-.00026	.00271	-.00036
#2	.00008	.00121	.00900	-.00002	.00208	.00047
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**3404.7**	**52766.**	**5674.5**
Stddev	1.1	20.	32.1
%RSD	.03141	.03878	.56600
#1	3405.5	52780.	5651.8
#2	3403.9	52751.	5697.2

Sample Name: LCS 280-117477/2-A Acquired: 5/2/2012 8:32:11 Type: Unk
Method: 6500_025(v2) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 117477 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.05209**	**1.8705**	**1.0239**	**.99055**	**2.0067**	**.04737**	**2.1510**	**46.358**	**.10116**	**.49071**
Stddev	.00005	.0038	.0041	.00439	.0085	.00002	.0015	.089	.00019	.00088
%RSD	.10456	.20522	.40251	.44327	.42350	.04003	.07135	.19295	.18445	.17984
#1	.05205	1.8732	1.0268	.99366	2.0006	.04736	2.1520	46.295	.10129	.49133
#2	.05213	1.8678	1.0210	.98745	2.0127	.04739	2.1499	46.421	.10103	.49009
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.20028**	**.26641**	**.96184**	**50.206**	**.98493**	**49.042**	**.51090**	**1.0154**	**51.976**	**.48879**
Stddev	.00065	.00040	.00184	.216	.00607	.003	.00137	.0016	.160	.00132
%RSD	.32409	.14882	.19175	.43115	.61634	.00626	.26840	.15467	.30702	.26998
#1	.20074	.26613	.96053	50.053	.98063	49.040	.50993	1.0165	51.863	.48972
#2	.19982	.26669	.96314	50.359	.98922	49.045	.51187	1.0143	52.088	.48786
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**9.9752**	**.49301**	**.01833**	**.49214**	**2.0490**	F **9.3674**	F **20.046**	**1.9870**	**1.0073**	**1.0322**
Stddev	.0536	.00156	.00218	.00048	.0195	.0389	.083	.0071	.0045	.0019
%RSD	.53743	.31584	11.871	.09691	.95040	.41472	.41472	.35601	.44257	.17960
#1	10.013	.49411	.01679	.49248	2.0628	9.3399	19.987	1.9820	1.0041	1.0336
#2	9.9373	.49191	.01987	.49180	2.0353	9.3949	20.105	1.9920	1.0104	1.0309
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Fail	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit						11.500	24.610			
Low Limit						9.4000	20.100			

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.0014**	**1.9933**	**2.2386**	**.51021**	**.49971**	**.49366**
Stddev	.0001	.0079	.0611	.00077	.00089	.00228
%RSD	.01473	.39622	2.7292	.15088	.17740	.46103
#1	1.0015	1.9988	2.1954	.50967	.50033	.49527
#2	1.0013	1.9877	2.2818	.51076	.49908	.49205
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**3266.5**	**49938.**	**5609.8**
Stddev	1.3	100.	26.7
%RSD	.04040	.20007	.47599
#1	3267.5	49867.	5590.9
#2	3265.6	50009.	5628.7

Sample Name: 280-28240-H-1-D Acquired: 5/2/2012 8:34:20 Type: Unk
Method: 6500_025(v2) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 117477 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00053**	**.30929**	**-.00609**	**.07648**	**.28852**	**.00009**	**-.00289**	**84.577**	**.00147**	**.00005**
Stddev	.00051	.00152	.00122	.00001	.00085	.00011	.00217	.236	.00012	.00021
%RSD	96.908	.49025	19.992	.01473	.29320	124.54	75.026	.27942	7.9852	432.64
#1	.00089	.30822	-.00695	.07647	.28792	.00016	-.00442	84.410	.00139	-.00010
#2	.00017	.31036	-.00523	.07649	.28912	.00001	-.00136	84.744	.00155	.00019
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00073**	**.00140**	**.28455**	**.93269**	**.02623**	**24.678**	**.54184**	**.00165**	**33.310**	**.01525**
Stddev	.00006	.00042	.00064	.00188	.00147	.007	.00000	.00086	.188	.00033
%RSD	8.7310	30.131	.22549	.20106	5.6211	.03015	.00019	52.154	.56534	2.1918
#1	.00069	.00170	.28410	.93402	.02728	24.673	.54184	.00104	33.177	.01502
#2	.00078	.00110	.28500	.93136	.02519	24.683	.54184	.00226	33.444	.01549
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.11483**	**.00093**	**18.850**	**-.00251**	**.00422**	**15.945**	**34.122**	**.00048**	**.28171**	**.00162**
Stddev	.00080	.00013	.014	.00115	.00160	.077	.166	.00082	.00132	.00167
%RSD	.70041	14.023	.07535	45.912	37.921	.48553	.48553	168.69	.46888	102.86
#1	.11426	.00084	18.840	-.00170	.00535	15.890	34.005	.00106	.28078	.00280
#2	.11540	.00103	18.860	-.00333	.00309	15.999	34.239	-.00009	.28264	.00044
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00908**	**.00128**	**-.00112**	**.00160**	**.00730**	**-.00039**
Stddev	.00023	.00031	.02187	.00024	.00097	.00086
%RSD	2.5049	24.164	1951.4	15.006	13.301	220.49
#1	.00924	.00106	-.01659	.00143	.00661	.00022
#2	.00892	.00150	.01435	.00176	.00799	-.00100
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**3295.8**	**50283.**	**5631.7**
Stddev	3.8	133.	20.2
%RSD	.11578	.26492	.35787
#1	3298.5	50377.	5646.0
#2	3293.2	50188.	5617.5

Sample Name: 280-28240-H-2-B Acquired: 5/2/2012 8:36:41 Type: Unk
Method: 6500_025(v2) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 117477 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00110**	**.31894**	**.04977**	**.20315**	**.10596**	**.00010**	**-.00403**	**260.13**	**.00093**	**.00295**
Stddev	.00050	.00014	.00403	.00094	.00022	.00011	.00441	2.03	.00001	.00010
%RSD	45.920	.04501	8.0922	.46275	.20490	116.18	109.51	.78009	1.1691	3.2323
#1	.00074	.31904	.05261	.20381	.10611	.00002	-.00714	258.69	.00092	.00288
#2	.00145	.31884	.04692	.20248	.10581	.00017	-.00091	261.56	.00093	.00301
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00073**	**.00120**	**3.0814**	**4.7904**	**.03851**	**83.617**	W **12.578**	**.00853**	**121.88**	**.00243**
Stddev	.00016	.00021	.0154	.0179	.00158	.329	.061	.00019	.59	.00048
%RSD	22.369	17.397	.50075	.37447	4.1006	.39356	.48823	2.2287	.48416	19.795
#1	.00062	.00105	3.0923	4.8030	.03962	83.384	12.534	.00839	122.29	.00277
#2	.00085	.00135	3.0705	4.7777	.03739	83.850	12.621	.00866	121.46	.00209
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass
High Limit							10.000			
Low Limit							-.01000			

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.3700**	**.00193**	F **212.87**	**-.00137**	**.00334**	**16.483**	**35.273**	**.00012**	**1.0131**	**.00069**
Stddev	.0020	.00006	.15	.00213	.00134	.005	.010	.00084	.0022	.00024
%RSD	.14813	3.2181	.07063	155.37	39.915	.02782	.02782	729.40	.21425	34.826
#1	1.3685	.00198	212.98	-.00287	.00429	16.486	35.280	-.00048	1.0146	.00086
#2	1.3714	.00189	212.76	.00013	.00240	16.480	35.266	.00071	1.0115	.00052
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit			200.00							
Low Limit			-.20000							

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01069**	**.00052**	W **-.06345**	**.00007**	**.00701**	**.00197**
Stddev	.00007	.00175	.00163	.00041	.00052	.00121
%RSD	.69441	335.23	2.5702	626.16	7.3936	61.471
#1	.01064	-.00072	-.06460	.00036	.00738	.00111
#2	.01074	.00176	-.06229	-.00023	.00664	.00282
Check ?	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass
High Limit			45.000			
Low Limit			-.05000			

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**3125.6**	**48087.**	**5564.8**
Stddev	4.0	280.	22.2
%RSD	.12856	.58185	.39933
#1	3122.7	48285.	5549.1
#2	3128.4	47889.	5580.6

Sample Name: sd 280-28240-H-2-B@5 Acquired: 5/2/2012 8:39:13 Type: Unk
Method: 6500_025(v2) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 117477 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00024**	**.07449**	**.00734**	**.04083**	**.02138**	**.00003**	**-.00028**	**53.308**	**.00027**	**.00048**
Stddev	.00010	.00040	.00324	.00057	.00026	.00006	.00137	.165	.00010	.00006
%RSD	43.389	.54369	44.082	1.3890	1.2059	159.46	496.44	.30865	36.877	13.121
#1	.00017	.07420	.00963	.04043	.02156	.00007	.00069	53.425	.00035	.00044
#2	.00032	.07477	.00506	.04124	.02120	.00000	-.00124	53.192	.00020	.00053
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00022**	**-.00007**	**.63251**	**.98487**	**.00737**	**16.984**	**2.6516**	**.00177**	**24.905**	**.00013**
Stddev	.00009	.00026	.00070	.02634	.00119	.001	.0070	.00016	.047	.00009
%RSD	39.756	353.09	.11080	2.6743	16.085	.00854	.26303	9.0563	.18954	68.094
#1	.00016	-.00026	.63300	.96625	.00654	16.985	2.6565	.00189	24.939	.00007
#2	.00029	.00011	.63201	1.0035	.00821	16.983	2.6467	.00166	24.872	.00019
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.26792**	**.00106**	**41.564**	**-.00342**	**-.00236**	**3.2527**	**6.9607**	**.00114**	**.20356**	**.00112**
Stddev	.00089	.00097	.120	.00123	.00578	.0116	.0249	.00079	.00042	.00106
%RSD	.33078	91.912	.28987	35.872	245.54	.35728	.35728	69.632	.20514	94.010
#1	.26729	.00037	41.479	-.00429	.00173	3.2445	6.9431	.00058	.20326	.00187
#2	.26855	.00175	41.649	-.00255	-.00645	3.2609	6.9783	.00170	.20385	.00038
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00286**	**.00176**	**-.01965**	**.00001**	**.00524**	**-.00056**
Stddev	.00050	.00013	.00905	.00007	.00056	.00093
%RSD	17.641	7.6110	46.048	1133.9	10.641	164.24
#1	.00322	.00166	-.01325	.00006	.00485	.00009
#2	.00251	.00185	-.02605	-.00005	.00564	-.00122
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**3334.6**	**51183.**	**5647.9**
Stddev	2.5	150.	2.3
%RSD	.07438	.29349	.04133
#1	3336.3	51289.	5649.6
#2	3332.8	51077.	5646.3

Sample Name: 280-28240-H-2-C MS Acquired: 5/2/2012 8:41:35 Type: Unk
Method: 6500_025(v2) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 117477 6010B

Elem	Ag3280	Al1670	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288
Line	328.068 {103}	167.079 {502}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.05521**	**2.3334**	W **2.6114**	**1.1260**	**1.1966**	**2.1396**	**.04655**	F **2.1644**	**305.19**	**.10453**
Stddev	.00007	.0016	.0054	.0001	.0033	.0051	.00005	.0070	2.11	.00002
%RSD	.12718	.06962	.20618	.00826	.27548	.23717	.10405	.32289	.68990	.01516
#1	.05526	2.3345	2.6076	1.1259	1.1989	2.1360	.04652	2.1694	306.68	.10454
#2	.05516	2.3322	2.6152	1.1260	1.1942	2.1432	.04659	2.1595	303.70	.10451
Check ?	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass
High Limit			500.00					.10000		
Low Limit			3.2000					-.10000		

Elem	Co2286	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183
Line	228.616 {447}	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.48659**	**.20248**	**.27402**	**4.1028**	**56.802**	**1.0458**	**133.81**	W **13.125**	**1.0350**	**175.45**
Stddev	.00098	.00083	.00006	.0073	.154	.0016	.08	.060	.0036	.92
%RSD	.20038	.41033	.02132	.17842	.27111	.15224	.05905	.45514	.34491	.52652
#1	.48728	.20307	.27398	4.1079	56.693	1.0447	133.76	13.083	1.0375	174.79
#2	.48590	.20189	.27406	4.0976	56.911	1.0469	133.87	13.167	1.0324	176.10
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass
High Limit								10.000		
Low Limit								-.01000		

Elem	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077
Line	231.604 {446}	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.48236**	W **11.779**	**.48700**	F **216.92**	**.50822**	**2.1423**	**26.442**	**56.585**	**1.9602**	**2.0425**
Stddev	.00110	.043	.00048	.85	.00678	.0210	.026	.056	.0010	.0057
%RSD	.22807	.36362	.09917	.39074	1.3331	.97943	.09946	.09946	.05362	.27916
#1	.48313	11.809	.48734	217.52	.51301	2.1572	26.423	56.545	1.9610	2.0385
#2	.48158	11.749	.48666	216.32	.50343	2.1275	26.460	56.625	1.9595	2.0466
Check ?	Chk Pass	Chk Warn	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit		2.0000		200.00						
Low Limit		-1.0000		-.20000						

Elem	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	283.730 {119}	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.0447**	**1.0174**	**1.8684**	**2.1779**	**.51693**	**.49463**	**.49312**
Stddev	.0002	.0006	.0116	.0386	.00094	.00275	.00181
%RSD	.01627	.05536	.62118	1.7701	.18130	.55660	.36798
#1	1.0448	1.0178	1.8766	2.1506	.51627	.49269	.49184
#2	1.0446	1.0170	1.8601	2.2051	.51760	.49658	.49440
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**3060.3**	**47130.**	**5588.0**
Stddev	3.7	22.	24.0
%RSD	.12068	.04569	.43023
#1	3057.6	47115.	5605.0
#2	3062.9	47146.	5571.0

Sample Name: 280-28240-H-2-D MSD Acquired: 5/2/2012 8:43:52 Type: Unk
Method: 6500_025(v2) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 117477 6010B

Elem	Ag3280	Al1670	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288
Line	328.068 {103}	167.079 {502}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.05485**	**2.3277**	W **2.6049**	**1.1332**	**1.2002**	**2.1279**	**.04642**	F **2.1670**	**299.27**	**.10445**
Stddev	.00055	.0044	.0015	.0022	.0010	.0035	.00016	.0038	2.93	.00036
%RSD	1.0048	.18850	.05833	.19211	.08688	.16280	.35323	.17613	.98049	.34932
#1	.05524	2.3246	2.6038	1.1348	1.2010	2.1255	.04630	2.1697	297.20	.10471
#2	.05446	2.3308	2.6060	1.1317	1.1995	2.1304	.04654	2.1643	301.35	.10419
Check ?	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass
High Limit			500.00					.10000		
Low Limit			3.2000					-.10000		

Elem	Co2286	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183
Line	228.616 {447}	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.48594**	**.20233**	**.27044**	**4.0607**	**56.440**	**1.0434**	**132.30**	W **12.960**	**1.0371**	**173.35**
Stddev	.00078	.00022	.00077	.0151	.151	.0034	.46	.068	.0011	.65
%RSD	.16063	.10815	.28381	.37079	.26789	.32608	.35056	.52559	.10574	.37533
#1	.48539	.20218	.27098	4.0500	56.333	1.0410	132.63	13.008	1.0379	172.89
#2	.48649	.20249	.26989	4.0713	56.547	1.0458	131.97	12.912	1.0364	173.81
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass
High Limit								10.000		
Low Limit								-.01000		

Elem	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077
Line	231.604 {446}	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.48224**	W **11.763**	**.48283**	F **214.71**	**.50998**	**2.1442**	**26.321**	**56.326**	**1.9688**	**2.0201**
Stddev	.00039	.021	.00212	.14	.00032	.0026	.018	.039	.0015	.0036
%RSD	.07992	.17707	.43807	.06521	.06326	.11930	.06985	.06985	.07644	.17823
#1	.48252	11.778	.48133	214.81	.51020	2.1460	26.308	56.298	1.9678	2.0175
#2	.48197	11.748	.48433	214.61	.50975	2.1424	26.334	56.354	1.9699	2.0226
Check ?	Chk Pass	Chk Warn	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit		2.0000		200.00						
Low Limit		-1.0000		-.20000						

Elem	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	283.730 {119}	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.0395**	**1.0183**	**1.8685**	**2.1370**	**.51487**	**.49386**	**.49441**
Stddev	.0066	.0051	.0091	.0138	.00281	.00110	.00273
%RSD	.63857	.49840	.48860	.64560	.54493	.22292	.55216
#1	1.0442	1.0218	1.8620	2.1468	.51685	.49464	.49248
#2	1.0348	1.0147	1.8749	2.1273	.51288	.49308	.49634
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**3059.7**	**47210.**	**5574.0**
Stddev	3.6	154.	21.4
%RSD	.11857	.32545	.38452
#1	3062.3	47101.	5558.8
#2	3057.1	47318.	5589.1

Sample Name: 280-28240-H-3-B Acquired: 5/2/2012 8:46:11 Type: Unk
Method: 6500_025(v2) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 117477 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00043**	**1.1392**	**.00268**	**.09062**	**.34168**	**.00006**	**-.00523**	**129.89**	**.00070**	**.00156**
Stddev	.00024	.0012	.00127	.00056	.00159	.00005	.00056	.81	.00010	.00003
%RSD	55.859	.10902	47.433	.61713	.46558	79.006	10.745	.62465	13.789	2.0616
#1	.00026	1.1383	.00358	.09022	.34056	.00003	-.00563	129.32	.00077	.00154
#2	.00060	1.1401	.00178	.09102	.34281	.00009	-.00483	130.47	.00064	.00158
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00168**	**.00282**	**1.0659**	**6.4344**	**.02763**	**39.527**	**4.4025**	**.00926**	**36.966**	**.00352**
Stddev	.00005	.00041	.0027	.0122	.00088	.039	.0111	.00052	.171	.00035
%RSD	3.2606	14.417	.25761	.18974	3.1999	.09918	.25090	5.6189	.46280	9.8552
#1	.00172	.00310	1.0639	6.4258	.02700	39.555	4.3947	.00889	36.845	.00377
#2	.00164	.00253	1.0678	6.4430	.02825	39.499	4.4103	.00963	37.087	.00328
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.47078**	**.00086**	**13.771**	**-.00113**	**.00484**	**19.233**	**41.159**	**.00071**	**.62437**	**.00192**
Stddev	.00247	.00054	.001	.00315	.00123	.178	.382	.00189	.00233	.00045
%RSD	.52553	63.034	.00930	279.70	25.367	.92706	.92706	266.02	.37366	23.157
#1	.47253	.00124	13.772	-.00336	.00570	19.107	40.889	-.00063	.62272	.00224
#2	.46903	.00048	13.770	.00110	.00397	19.359	41.428	.00205	.62602	.00161
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.03130**	**.00176**	**-.01876**	**.00326**	**.01782**	**.00170**
Stddev	.00041	.00127	.00366	.00019	.00008	.00059
%RSD	1.3079	72.301	19.488	5.8432	.43350	34.461
#1	.03159	.00086	-.01618	.00339	.01788	.00129
#2	.03101	.00266	-.02135	.00312	.01777	.00212
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**3282.7**	**50377.**	**5670.2**
Stddev	.2	9.	40.4
%RSD	.00677	.01739	.71300
#1	3282.8	50383.	5698.8
#2	3282.5	50371.	5641.6

Sample Name: CCVH-1390999 Acquired: 5/2/2012 8:48:39 Type: QC
Method: 6500_025(v2) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00144**	**48.569**	**.00169**	**.00282**	**.00036**	**.00016**	**1.0471**	**.01003**	**.00021**	**.00026**	**.00025**	**-.00348**
Stddev	.00025	.024	.00011	.00045	.00009	.00010	.0003	.00232	.00006	.00018	.00033	.00015
%RSD	17.605	.05038	6.2805	16.134	26.458	62.946	.02493	23.179	31.010	70.817	134.31	4.2373
#1	-.00162	48.586	.00177	.00314	.00042	.00009	1.0469	.01167	.00016	.00039	.00001	-.00338
#2	-.00126	48.552	.00162	.00250	.00029	.00023	1.0473	.00838	.00025	.00013	.00048	-.00359
Check ?	None	Chk Pass	None	None	None	None	Chk Pass	None	None	None	None	None
Value												
Range												

Elem	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316	P_1782	Pb2203	S_1820	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**48.401**	**.06197**	**.00044**	**-.02134**	**.00033**	**.00088**	**251.45**	**.00115**	**.00635**	**-.00107**	**5.1170**	**-.00062**
Stddev	.187	.02262	.00095	.00013	.00003	.00030	.14	.00006	.00023	.00002	.0089	.00165
%RSD	.38635	36.509	216.42	.63003	9.0191	34.576	.05562	4.9530	3.5914	2.2311	.17458	266.67
#1	48.534	.07797	-.00023	-.02144	.00035	.00066	251.55	.00119	.00651	-.00109	5.1233	-.00179
#2	48.269	.04597	.00111	-.02125	.00031	.00109	251.35	.00111	.00618	-.00106	5.1107	.00055
Check ?	Chk Pass	None	None	None	None	None	Chk Pass	None	None	None	Chk Pass	None
Value												
Range												

Elem	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00369**	**.00742**	**.01587**	**.00186**	**.00038**	**5.1529**	**.00726**	**.00195**	W **10.733**	**-.00405**	**.00203**	**-.04182**
Stddev	.00109	.01368	.02927	.00159	.00005	.0238	.00016	.00034	.117	.00039	.00071	.00178
%RSD	29.567	184.41	184.41	85.141	13.937	.46087	2.2122	17.567	1.0945	9.5780	34.808	4.2645
#1	.00292	.01709	.03657	.00298	.00034	5.1361	.00738	.00220	10.650	-.00432	.00253	-.04056
#2	.00446	-.00225	-.00483	.00074	.00042	5.1697	.00715	.00171	10.816	-.00377	.00153	-.04308
Check ?	None	None	None	None	None	Chk Pass	None	None	Chk Warn	None	None	None
Value									10.000			
Range									5.0000%			

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**3285.5**	**49774.**	**5615.3**
Stddev	1.5	51.	2.8
%RSD	.04584	.10195	.05015
#1	3284.5	49810.	5613.3
#2	3286.6	49738.	5617.2

Sample Name: CCV-1390955 Acquired: 5/2/2012 8:51:00 Type: QC
Method: 6500_025(v2) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599	K_7664
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.52871**	**.51742**	**1.0323**	**.51032**	**.52011**	**.48557**	**.00071**	**4.8604**	**.52196**	**.51869**	**.51883**	**.54630**	**2.4915**	**51.548**
Stddev	.00425	.00191	.0011	.00013	.00069	.00037	.00061	.0012	.00029	.00092	.00075	.00450	.0088	.041
%RSD	.80345	.36881	.10938	.02541	.13205	.07601	86.283	.02366	.05468	.17814	.14523	.82394	.35187	.08032
#1	.53172	.51877	1.0315	.51023	.51962	.48530	.00028	4.8612	.52176	.51935	.51937	.54949	2.4977	51.519
#2	.52571	.51608	1.0331	.51041	.52059	.48583	.00114	4.8596	.52216	.51804	.51830	.54312	2.4853	51.577
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value														
Range														

Elem	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.0114**	**20.382**	**.52302**	**.51634**	**5.0928**	**.51390**	**1.0155**	**1.0577**	**.01813**	**1.0299**	**1.0510**	**4.8067**	**10.286**	**1.0280**
Stddev	.0017	.208	.00467	.00189	.0007	.00159	.0019	.0015	.00057	.0027	.0032	.0131	.028	.0048
%RSD	.16907	1.0225	.89240	.36521	.01380	.30893	.18863	.14184	3.1658	.26142	.30917	.27291	.27291	.46972
#1	1.0102	20.530	.52632	.51767	5.0923	.51503	1.0141	1.0588	.01854	1.0280	1.0533	4.8160	10.306	1.0315
#2	1.0126	20.235	.51972	.51500	5.0933	.51278	1.0168	1.0567	.01773	1.0318	1.0487	4.7974	10.266	1.0246
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value														
Range														

Elem	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.51471**	**.00035**	**.50987**	**1.0578**	**.02758**	**.51683**	**.51430**	**.51018**
Stddev	.00034	.00026	.00369	.0031	.00672	.00491	.00382	.00382
%RSD	.06576	72.740	.72464	.29491	24.372	.95043	.74224	.74784
#1	.51447	.00017	.51248	1.0556	.03234	.52031	.51699	.51287
#2	.51494	.00053	.50726	1.0600	.02283	.51336	.51160	.50748
Check ?	Chk Pass	None	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value								
Range								

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**3362.5**	**51757.**	**5657.5**
Stddev	5.1	383.	4.3
%RSD	.15116	.74008	.07581
#1	3358.9	51486.	5660.5
#2	3366.1	52028.	5654.5

Sample Name: CCB Acquired: 5/2/2012 8:53:13 Type: QC
Method: 6500_025(v2) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00040**	**-.00069**	**-.00068**	**.00057**	**.00016**	**.00009**	**-.00236**	**-.00022**	**.00014**	**-.00013**	**-.00028**	**-.00046**
Stddev	.00029	.00037	.00176	.00105	.00010	.00004	.00329	.00077	.00011	.00002	.00011	.00005
%RSD	73.255	53.787	257.61	185.11	66.245	47.836	139.55	344.39	73.847	12.121	38.397	11.945
#1	.00019	-.00043	-.00193	.00131	.00008	.00006	-.00003	-.00077	.00022	-.00014	-.00021	-.00042
#2	.00061	-.00095	.00056	-.00018	.00023	.00012	-.00469	.00032	.00007	-.00012	-.00036	-.00049
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit												
Low Limit												

Elem	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00008**	**.06985**	**.00128**	**-.00012**	**.00012**	**.00085**	W **.11104**	**-.00049**	**.00126**	**.00001**	**.01138**	**.00043**
Stddev	.00091	.01430	.00057	.00482	.00000	.00011	.00138	.00034	.00248	.00018	.00129	.00106
%RSD	1141.1	20.477	44.707	3953.2	.57282	13.197	1.2436	68.009	197.33	1245.4	11.298	244.83
#1	-.00072	.05974	.00087	-.00353	.00012	.00077	.11006	-.00073	-.00050	-.00011	.01229	-.00032
#2	.00056	.07997	.00168	.00328	.00012	.00093	.11201	-.00026	.00301	.00014	.01047	.00119
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							.09160					
Low Limit							-.09160					

Elem	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00160**	**-.00202**	**-.00431**	**.00102**	**.00010**	**.00250**	**.00030**	**.00038**	**.01189**	**-.00072**	**.00240**	**-.00074**
Stddev	.00091	.01451	.03105	.00059	.00001	.00162	.00019	.00031	.01706	.00009	.00076	.00114
%RSD	57.125	720.10	720.10	58.324	14.074	64.962	63.323	81.628	143.48	11.868	31.857	153.46
#1	-.00224	.00825	.01765	.00060	.00009	.00364	.00044	.00060	-.00017	-.00066	.00294	-.00154
#2	-.00095	-.01228	-.02627	.00144	.00011	.00135	.00017	.00016	.02395	-.00078	.00186	.00006
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit												
Low Limit												

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**3393.5**	**52240.**	**5579.8**
Stddev	3.8	75.	11.8
%RSD	.11199	.14425	.21166
#1	3390.9	52186.	5588.2
#2	3396.2	52293.	5571.5

Sample Name: CCVL1390952 Acquired: 5/2/2012 8:55:40 Type: QC
Method: 6500_025(v2) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01050**	**.10506**	**.01365**	**.10063**	**.01052**	**.00102**	**.11728**	**.19086**	**.00514**	**.01038**	**.01024**	**.01562**	**.09503**
Stddev	.00042	.00089	.00011	.00137	.00024	.00004	.00430	.00535	.00000	.00005	.00029	.00001	.00148
%RSD	3.9681	.84999	.83629	1.3656	2.3280	4.3533	3.6646	2.8022	.08012	.44784	2.8346	.04781	1.5549
#1	.01079	.10443	.01373	.10160	.01069	.00099	.11424	.19464	.00515	.01035	.01044	.01563	.09608
#2	.01020	.10569	.01357	.09966	.01034	.00106	.12032	.18708	.00514	.01041	.01003	.01562	.09399
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**3.1134**	**.01134**	**.21364**	**.01069**	**.02018**	**1.1024**	**.04121**	**2.9214**	**.01019**	**.00777**	**.00775**	**.01457**	**.46830**
Stddev	.0136	.00201	.00112	.00008	.00000	.0102	.00011	.0198	.00012	.00141	.00070	.00369	.00262
%RSD	.43632	17.719	.52417	.70502	.02456	.92549	.27763	.67654	1.1495	18.093	9.0491	25.338	.55992
#1	3.1037	.00992	.21285	.01064	.02018	1.1097	.04129	2.9074	.01027	.00678	.00725	.01719	.47015
#2	3.1230	.01276	.21443	.01075	.02019	1.0952	.04113	2.9354	.01010	.00877	.00824	.01196	.46644
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.0022**	**.10478**	**.01025**	**.01568**	**.01010**	**.01870**	F **.10162**	**.00979**	**.02270**	**.01696**
Stddev	.0056	.00059	.00009	.00023	.00026	.00223	.01019	.00040	.00121	.00044
%RSD	.55992	.55908	.83834	1.4561	2.5797	11.924	10.030	4.0635	5.3526	2.5757
#1	1.0061	.10436	.01031	.01551	.01028	.02028	.10883	.00951	.02184	.01727
#2	.99819	.10519	.01019	.01584	.00991	.01712	.09441	.01007	.02356	.01665
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
Value							.06000			
Range							30.000%			

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**3467.3**	**53306.**	**5776.6**
Stddev	2.5	96.	8.4
%RSD	.07091	.17942	.14601
#1	3469.1	53239.	5770.6
#2	3465.6	53374.	5782.5

Sample Name: 280-28240-H-4-B Acquired: 5/2/2012 8:58:03 Type: Unk
Method: 6500_025(v2) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 117477 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00081**	**.24840**	**-.00356**	**.11671**	**.06026**	**.00007**	**-.00378**	**361.51**	**.00157**	**.00417**
Stddev	.00040	.00159	.00430	.00160	.00005	.00005	.00214	3.70	.00000	.00011
%RSD	49.438	.63876	120.94	1.3700	.08967	68.788	56.720	1.0221	.21267	2.6667
#1	.00110	.24728	-.00052	.11784	.06022	.00011	-.00529	358.90	.00158	.00409
#2	.00053	.24952	-.00660	.11558	.06030	.00004	-.00226	364.13	.00157	.00425
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00075**	**.00154**	**.24942**	**10.333**	**.06720**	**140.40**	**6.0660**	**.00376**	**152.74**	**.00677**
Stddev	.00001	.00013	.00131	.015	.00027	.76	.0193	.00019	.37	.00039
%RSD	1.9315	8.3632	.52564	.14831	.40609	.54343	.31782	5.0511	.24411	5.7793
#1	.00076	.00163	.25035	10.322	.06739	139.86	6.0524	.00390	152.47	.00650
#2	.00074	.00145	.24850	10.344	.06701	140.94	6.0797	.00363	153.00	.00705
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.13867**	**.00080**	F **219.32**	**-.00186**	**.00234**	**19.229**	**41.150**	**-.00049**	**1.2371**	**.00022**
Stddev	.00694	.00067	.21	.00138	.00013	.020	.043	.00027	.0027	.00115
%RSD	5.0049	84.031	.09388	74.247	5.4888	.10366	.10366	55.504	.21531	531.90
#1	.13377	.00127	219.46	-.00088	.00243	19.215	41.120	-.00030	1.2352	.00103
#2	.14358	.00032	219.17	-.00283	.00225	19.243	41.180	-.00068	1.2390	-.00060
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit			200.00							
Low Limit			-.20000							

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00702**	**.00076**	**-.01105**	**.00278**	**.00586**	**.00183**
Stddev	.00004	.00343	.00359	.00011	.00051	.00069
%RSD	.60634	450.75	32.536	3.8811	8.6274	38.011
#1	.00705	.00319	-.01359	.00285	.00550	.00134
#2	.00699	-.00167	-.00850	.00270	.00622	.00232
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**3056.0**	**47293.**	**5588.7**
Stddev	3.8	207.	19.7
%RSD	.12388	.43769	.35160
#1	3053.3	47439.	5574.8
#2	3058.6	47147.	5602.6

Sample Name: 280-28240-H-5-B Acquired: 5/2/2012 9:00:38 Type: Unk
Method: 6500_025(v2) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 117477 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00068**	**.01615**	**.01008**	**.08438**	**.35561**	**.00014**	**-.00555**	**128.89**	**.00091**	**.00228**
Stddev	.00006	.00009	.00208	.00055	.00134	.00004	.00155	.56	.00009	.00012
%RSD	8.5054	.55644	20.616	.64890	.37765	29.878	27.872	.43072	10.101	5.2267
#1	.00073	.01609	.01154	.08476	.35466	.00017	-.00665	128.50	.00084	.00220
#2	.00064	.01622	.00861	.08399	.35656	.00011	-.00446	129.29	.00097	.00237
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00035**	**.00071**	**1.3837**	**3.8333**	**.01775**	**43.976**	**5.4128**	**.00458**	**43.673**	**.00341**
Stddev	.00020	.00001	.0063	.0313	.00139	.012	.0266	.00031	.496	.00006
%RSD	57.283	1.0903	.45608	.81564	7.8593	.02750	.49105	6.6814	1.1349	1.8881
#1	.00021	.00070	1.3792	3.8112	.01873	43.984	5.4316	.00480	43.322	.00337
#2	.00049	.00071	1.3881	3.8554	.01676	43.967	5.3940	.00437	44.023	.00346
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.54158**	**.00044**	**51.408**	**-.00154**	**.00237**	**17.748**	**37.980**	**-.00128**	**.48900**	**-.00011**
Stddev	.00448	.00063	.031	.00113	.00326	.050	.106	.00118	.00197	.00033
%RSD	.82792	144.23	.06089	73.381	137.42	.27976	.27976	92.577	.40213	292.22
#1	.54476	.00089	51.386	-.00074	.00007	17.713	37.905	-.00044	.48761	-.00034
#2	.53841	-.00001	51.430	-.00234	.00468	17.783	38.055	-.00212	.49039	.00012
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00142**	**.00120**	**-.02437**	**.00056**	**.00378**	**.00068**
Stddev	.00025	.00066	.01093	.00055	.00005	.00126
%RSD	17.372	55.257	44.869	98.380	1.4378	184.64
#1	.00125	.00073	-.03210	.00017	.00381	-.00021
#2	.00160	.00167	-.01664	.00095	.00374	.00157
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**3264.1**	**50116.**	**5742.1**
Stddev	3.6	123.	16.3
%RSD	.11018	.24551	.28348
#1	3266.6	50029.	5730.6
#2	3261.6	50203.	5753.6

Sample Name: 280-28240-H-6-B Acquired: 5/2/2012 9:03:07 Type: Unk
Method: 6500_025(v2) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 117477 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00071**	**.25157**	**.01015**	**.22289**	**.61843**	**.00004**	**-.00625**	**237.16**	**.00120**	**.01147**
Stddev	.00029	.00154	.00165	.00052	.00192	.00006	.00134	1.67	.00016	.00013
%RSD	40.764	.61081	16.258	.23486	.30986	136.33	21.412	.70344	13.435	1.1249
#1	.00051	.25049	.00899	.22326	.61979	.00000	-.00720	238.34	.00109	.01138
#2	.00092	.25266	.01132	.22252	.61708	.00008	-.00531	235.98	.00132	.01156
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00084**	**.00213**	**.35902**	**9.9482**	**.03619**	**61.268**	W **14.085**	**.00513**	**112.21**	**.02179**
Stddev	.00011	.00008	.00435	.0008	.00094	.080	.025	.00002	.03	.00005
%RSD	13.177	3.8601	1.2106	.00806	2.6103	.13047	.17675	.31981	.02249	.20785
#1	.00076	.00207	.36209	9.9487	.03686	61.325	14.067	.00514	112.23	.02176
#2	.00091	.00219	.35594	9.9476	.03552	61.212	14.103	.00512	112.19	.02182
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass
High Limit							10.000			
Low Limit							-.01000			

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.3666**	**.00135**	**74.282**	**-.00172**	**.00778**	**17.296**	**37.014**	**-.00057**	**1.2200**	**-.00031**
Stddev	.0035	.00032	.014	.00035	.00041	.051	.109	.00020	.0028	.00166
%RSD	.25584	23.799	.01921	20.356	5.3116	.29460	.29460	35.260	.23039	531.02
#1	1.3690	.00158	74.292	-.00197	.00749	17.332	37.091	-.00043	1.2220	.00086
#2	1.3641	.00112	74.272	-.00147	.00807	17.260	36.937	-.00072	1.2180	-.00148
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00805**	**.00004**	W **-.09522**	**.00065**	**.01348**	**.00055**
Stddev	.00019	.00089	.02268	.00062	.00059	.00018
%RSD	2.3801	2036.7	23.814	96.429	4.3577	33.122
#1	.00818	-.00058	-.07919	.00021	.01306	.00067
#2	.00791	.00067	-.11126	.00109	.01390	.00042
Check ?	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass
High Limit			45.000			
Low Limit			-.05000			

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**3171.1**	**48710.**	**5699.3**
Stddev	.6	218.	27.3
%RSD	.01761	.44833	.47927
#1	3171.5	48556.	5680.0
#2	3170.7	48864.	5718.6

Sample Name: 280-28240-H-7-B Acquired: 5/2/2012 9:05:41 Type: Unk
Method: 6500_025(v2) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 117477 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00056**	**.29819**	**.02582**	**.15583**	**.30281**	**.00009**	**-.00711**	**138.52**	**.00056**	**.00157**
Stddev	.00002	.00101	.00259	.00055	.00036	.00001	.00155	.08	.00025	.00011
%RSD	3.3133	.33715	10.025	.35244	.11933	13.839	21.766	.05451	43.875	6.8087
#1	.00057	.29890	.02399	.15544	.30307	.00008	-.00602	138.57	.00073	.00149
#2	.00055	.29748	.02765	.15622	.30256	.00009	-.00821	138.46	.00039	.00164
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00074**	**.00136**	**.32696**	**8.8173**	**.03993**	**38.199**	**3.8086**	**.00607**	**55.716**	**.00222**
Stddev	.00011	.00027	.00355	.0094	.00013	.093	.0152	.00025	.556	.00001
%RSD	15.305	19.512	1.0844	.10631	.33667	.24225	.39772	4.1963	.99862	.47888
#1	.00066	.00117	.32946	8.8239	.04003	38.264	3.8193	.00589	56.109	.00221
#2	.00082	.00155	.32445	8.8106	.03984	38.133	3.7979	.00625	55.322	.00223
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.1083**	**.00033**	**12.302**	**-.00240**	**.00255**	**20.788**	**44.486**	**-.00059**	**.74275**	**-.00070**
Stddev	.0071	.00113	.022	.00049	.00336	.085	.181	.00006	.00052	.00193
%RSD	.63855	339.32	.18062	20.471	131.50	.40711	.40711	9.5396	.07019	277.91
#1	1.1133	.00113	12.317	-.00205	.00492	20.848	44.614	-.00063	.74312	.00067
#2	1.1033	-.00047	12.286	-.00275	.00018	20.728	44.358	-.00055	.74238	-.00206
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01000**	**-.00005**	**-.00326**	**.00195**	**.00721**	**.00017**
Stddev	.00019	.00244	.00679	.00001	.00068	.00016
%RSD	1.9402	5420.8	208.48	.72383	9.4790	96.142
#1	.00987	.00168	.00154	.00194	.00673	.00029
#2	.01014	-.00177	-.00806	.00196	.00769	.00005
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**3261.1**	**50411.**	**5654.8**
Stddev	9.8	3.	13.0
%RSD	.30087	.00631	.22918
#1	3268.1	50413.	5645.6
#2	3254.2	50409.	5664.0

Sample Name: 280-28240-H-8-B Acquired: 5/2/2012 9:08:03 Type: Unk
Method: 6500_025(v2) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 117477 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00015**	**.01033**	**.00474**	**.17095**	**.80949**	**.00005**	**-.00595**	**194.76**	**.00062**	**-.00027**
Stddev	.00048	.00038	.00401	.00126	.00226	.00001	.00256	.60	.00000	.00019
%RSD	322.62	3.6625	84.469	.73892	.27871	17.898	43.071	.30972	.18527	73.009
#1	-.00019	.01060	.00758	.17005	.80790	.00004	-.00776	194.33	.00062	-.00040
#2	.00049	.01007	.00191	.17184	.81109	.00006	-.00414	195.18	.00062	-.00013
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00018**	**.00122**	**7.5665**	**9.9314**	**.02685**	**50.351**	**1.6999**	**.00047**	**45.172**	**-.00087**
Stddev	.00006	.00035	.0318	.0509	.00024	.022	.0011	.00018	.247	.00027
%RSD	31.783	28.384	.42062	.51235	.88359	.04298	.06693	38.513	.54748	31.282
#1	.00014	.00147	7.5440	9.8954	.02702	50.335	1.7007	.00060	44.997	-.00106
#2	.00022	.00098	7.5890	9.9674	.02669	50.366	1.6991	.00034	45.347	-.00068
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.6738**	**.00001**	**23.878**	**-.00103**	**.00719**	**24.166**	**51.716**	**-.00007**	**.86730**	**.00110**
Stddev	.0036	.00006	.063	.00053	.00488	.012	.026	.00034	.00284	.00036
%RSD	.21367	926.26	.26257	50.970	67.881	.05048	.05048	495.09	.32716	33.232
#1	1.6763	.00005	23.834	-.00141	.01064	24.175	51.734	-.00031	.86529	.00136
#2	1.6712	-.00004	23.923	-.00066	.00374	24.158	51.697	.00017	.86931	.00084
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00050**	**.00374**	**-.02728**	**.00056**	**.00463**	**-.00035**
Stddev	.00025	.00053	.03893	.00004	.00020	.00119
%RSD	49.921	14.206	142.69	7.4539	4.3902	345.02
#1	.00032	.00411	.00024	.00059	.00477	.00050
#2	.00067	.00336	-.05481	.00053	.00449	-.00119
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**3229.4**	**49759.**	**5643.1**
Stddev	.1	68.	5.1
%RSD	.00339	.13724	.08965
#1	3229.4	49808.	5646.6
#2	3229.3	49711.	5639.5

Sample Name: 280-28240-H-9-B Acquired: 5/2/2012 9:10:25 Type: Unk
Method: 6500_025(v2) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 117477 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00070**	**.73014**	**.00452**	**.08339**	**.26682**	**.00005**	**-.00482**	**227.51**	**.00090**	**.00288**
Stddev	.00027	.00122	.00111	.00003	.00002	.00005	.00013	2.30	.00001	.00010
%RSD	37.727	.16727	24.602	.03639	.00678	92.685	2.7387	1.0128	1.3699	3.4779
#1	.00089	.72928	.00531	.08337	.26681	.00002	-.00473	229.14	.00089	.00295
#2	.00052	.73100	.00374	.08341	.26683	.00009	-.00492	225.88	.00091	.00281
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00159**	**.00183**	**1.6208**	**8.8002**	**.03699**	**75.612**	**4.5995**	**.00373**	**75.429**	**.00242**
Stddev	.00014	.00059	.0010	.0159	.00137	.214	.0056	.00028	.068	.00071
%RSD	8.9961	32.493	.06345	.18028	3.7015	.28343	.12076	7.3897	.09068	29.551
#1	.00149	.00224	1.6201	8.7890	.03602	75.764	4.5956	.00354	75.381	.00191
#2	.00170	.00141	1.6216	8.8114	.03796	75.461	4.6035	.00393	75.478	.00292
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.63498**	**.00283**	**73.792**	**-.00181**	**.00139**	**20.412**	**43.682**	**.00060**	**.59729**	**-.00010**
Stddev	.00190	.00151	.126	.00013	.00150	.050	.107	.00035	.00055	.00047
%RSD	.29862	53.458	.17141	7.2434	107.90	.24385	.24385	58.651	.09236	447.30
#1	.63363	.00176	73.881	-.00191	.00246	20.448	43.758	.00035	.59690	.00023
#2	.63632	.00390	73.702	-.00172	.00033	20.377	43.607	.00085	.59768	-.00043
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01899**	**.00164**	**-.02304**	**.00270**	**.00788**	**.00054**
Stddev	.00059	.00183	.00706	.00002	.00012	.00215
%RSD	3.0860	112.07	30.639	.68774	1.5713	397.47
#1	.01858	.00034	-.01805	.00268	.00797	.00207
#2	.01941	.00293	-.02803	.00271	.00779	-.00098
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**3178.6**	**48998.**	**5674.3**
Stddev	7.9	57.	10.5
%RSD	.24802	.11731	.18586
#1	3173.0	48958.	5666.8
#2	3184.1	49039.	5681.8

Sample Name: 280-28240-H-10-B Acquired: 5/2/2012 9:12:58 Type: Unk
Method: 6500_025(v2) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 117477 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00053**	**1.6583**	**-.00088**	**.08087**	**.12776**	**.00010**	**-.00435**	**109.69**	**.00108**	**.00714**
Stddev	.00001	.0045	.00300	.00035	.00077	.00002	.00075	.25	.00006	.00018
%RSD	1.0721	.27018	341.44	.43165	.60097	24.188	17.356	.23163	5.8807	2.4565
#1	.00054	1.6552	.00124	.08112	.12830	.00009	-.00381	109.87	.00104	.00727
#2	.00053	1.6615	-.00300	.08063	.12722	.00012	-.00488	109.51	.00113	.00702
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00244**	**.00299**	**2.0995**	**4.5052**	**.02501**	**40.966**	**3.9078**	**.00162**	**55.560**	**.00798**
Stddev	.00013	.00007	.0076	.0332	.00286	.106	.0087	.00002	.115	.00004
%RSD	5.5366	2.5075	.36205	.73728	11.445	.25822	.22186	1.2911	.20781	.44064
#1	.00253	.00304	2.1049	4.5287	.02703	41.041	3.9140	.00161	55.478	.00795
#2	.00234	.00293	2.0941	4.4817	.02298	40.891	3.9017	.00164	55.641	.00800
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.27496**	**.00212**	**67.056**	**-.00253**	**.00199**	**20.826**	**44.568**	**-.00142**	**.22489**	**.00198**
Stddev	.00453	.00113	.160	.00224	.00435	.024	.052	.00089	.00073	.00100
%RSD	1.6480	53.405	.23917	88.237	218.55	.11620	.11620	62.326	.32245	50.455
#1	.27816	.00292	67.170	-.00412	.00507	20.843	44.605	-.00079	.22540	.00127
#2	.27175	.00132	66.943	-.00095	-.00109	20.809	44.532	-.00205	.22437	.00269
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.06057**	**.00022**	**-.01591**	**.00629**	**.01192**	**.00237**
Stddev	.00028	.00275	.00308	.00032	.00080	.00001
%RSD	.46974	1238.9	19.337	5.0253	6.7420	.30585
#1	.06037	-.00172	-.01373	.00651	.01135	.00236
#2	.06077	.00216	-.01808	.00607	.01249	.00237
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**3293.6**	**50636.**	**5759.4**
Stddev	3.4	42.	25.8
%RSD	.10265	.08213	.44753
#1	3291.2	50665.	5741.2
#2	3296.0	50606.	5777.6

Sample Name: 280-28240-H-11-B Acquired: 5/2/2012 9:15:19 Type: Unk
Method: 6500_025(v2) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 117477 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00044**	**1.7383**	**.00354**	**.08558**	**.36429**	**.00018**	**-.00589**	**109.71**	**.00070**	**.00048**
Stddev	.00007	.0066	.00157	.00091	.00045	.00003	.00154	.16	.00010	.00005
%RSD	17.042	.38182	44.537	1.0598	.12382	15.841	26.151	.14580	13.682	9.8117
#1	.00049	1.7430	.00465	.08622	.36397	.00016	-.00480	109.60	.00077	.00052
#2	.00038	1.7336	.00242	.08494	.36461	.00021	-.00698	109.83	.00064	.00045
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00293**	**.00322**	**10.134**	**7.6665**	**.02174**	**28.972**	**1.6984**	**.00160**	**25.666**	**.00119**
Stddev	.00025	.00025	.007	.0316	.00039	.014	.0020	.00051	.059	.00008
%RSD	8.6538	7.8790	.07052	.41209	1.7948	.04988	.11617	31.683	.23009	6.8331
#1	.00311	.00340	10.129	7.6442	.02202	28.962	1.6998	.00124	25.625	.00113
#2	.00275	.00304	10.139	7.6889	.02146	28.982	1.6970	.00196	25.708	.00125
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.0227**	**.00188**	**.77738**	**-.00035**	**.00133**	**26.491**	**56.691**	**.00088**	**.58882**	**.00099**
Stddev	.0018	.00007	.00653	.00190	.00107	.045	.097	.00012	.00222	.00084
%RSD	.17251	3.9267	.83971	547.58	80.371	.17142	.17142	13.746	.37681	84.527
#1	1.0240	.00193	.78200	-.00169	.00057	26.523	56.760	.00097	.58725	.00040
#2	1.0215	.00183	.77276	.00100	.00208	26.459	56.622	.00080	.59039	.00159
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.05030**	**.00267**	**.01044**	**.00481**	**.01376**	**.00353**
Stddev	.00185	.00038	.00045	.00054	.00046	.00021
%RSD	3.6690	14.286	4.3271	11.319	3.3580	5.9087
#1	.05161	.00294	.01012	.00519	.01343	.00368
#2	.04900	.00240	.01076	.00442	.01409	.00338
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**3336.0**	**51201.**	**5778.4**
Stddev	8.3	125.	18.8
%RSD	.25017	.24493	.32518
#1	3330.0	51290.	5765.1
#2	3341.9	51112.	5791.7

Sample Name: CCVH-1390999 Acquired: 5/2/2012 9:17:41 Type: QC
Method: 6500_025(v2) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00134**	**48.584**	**-.00181**	**.00207**	**.00046**	**.00007**	**1.0439**	**.01237**	**.00003**	**.00025**	**.00033**	**-.00294**
Stddev	.00010	.006	.00105	.00021	.00003	.00005	.0043	.00114	.00007	.00002	.00005	.00010
%RSD	7.3962	.01268	58.052	10.155	6.5620	81.342	.40913	9.1779	280.44	7.9121	16.072	3.3431
#1	-.00127	48.588	-.00106	.00222	.00049	.00011	1.0469	.01157	.00008	.00023	.00030	-.00301
#2	-.00141	48.580	-.00255	.00192	.00044	.00003	1.0409	.01317	-.00002	.00026	.00037	-.00287
Check ?	None	Chk Pass	None	None	None	None	Chk Pass	None	None	None	None	None
Value												
Range												

Elem	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316	P_1782	Pb2203	S_1820	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**48.464**	**.04640**	**.00004**	**-.01924**	**.00023**	**.00059**	**253.38**	**.00110**	**.00350**	**-.00006**	**5.1499**	**-.00387**
Stddev	.021	.00598	.00054	.00273	.00001	.00015	.45	.00012	.00140	.00172	.0230	.00115
%RSD	.04311	12.888	1547.5	14.173	6.4705	25.491	.17851	11.269	39.900	3108.6	.44747	29.842
#1	48.479	.04217	.00042	-.02116	.00024	.00070	253.06	.00101	.00251	.00116	5.1336	-.00469
#2	48.450	.05063	-.00035	-.01731	.00022	.00049	253.70	.00119	.00449	-.00127	5.1662	-.00305
Check ?	Chk Pass	None	None	None	None	None	Chk Pass	None	None	None	Chk Pass	None
Value												
Range												

Elem	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00702**	**.01109**	**.02374**	**.00262**	**.00036**	**5.1696**	**.00731**	**.00110**	W **10.786**	**-.00354**	**.00168**	**-.03985**
Stddev	.00045	.00083	.00177	.00036	.00004	.0241	.00025	.00044	.073	.00039	.00001	.00518
%RSD	6.4361	7.4487	7.4487	13.647	10.121	.46694	3.4291	40.005	.67545	11.119	.54446	12.997
#1	.00670	.01168	.02499	.00236	.00034	5.1867	.00748	.00079	10.838	-.00326	.00167	-.04351
#2	.00734	.01051	.02249	.00287	.00039	5.1526	.00713	.00141	10.735	-.00381	.00168	-.03618
Check ?	None	None	None	None	None	Chk Pass	None	None	Chk Warn	None	None	None
Value									10.000			
Range									5.0000%			

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**3317.6**	**50490.**	**5676.0**
Stddev	4.0	159.	6.2
%RSD	.11982	.31458	.10978
#1	3320.4	50378.	5671.6
#2	3314.8	50603.	5680.4

Sample Name: CCV-1390955 Acquired: 5/2/2012 9:20:02 Type: QC
Method: 6500_025(v2) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.51892**	**.50878**	**1.0159**	**.50469**	**.51215**	**.47751**	**-.00230**	**4.7956**	**.51294**	**.51055**	**.50926**	**.53429**	**2.4483**
Stddev	.00148	.00254	.0073	.00207	.00036	.00153	.00009	.0297	.00002	.00072	.00082	.00039	.0010
%RSD	.28521	.50016	.71895	.40924	.06949	.32093	3.9667	.61976	.00358	.14198	.16109	.07234	.04095
#1	.51787	.51058	1.0107	.50323	.51190	.47642	-.00224	4.7746	.51292	.51004	.50868	.53402	2.4476
#2	.51997	.50698	1.0211	.50615	.51241	.47859	-.00237	4.8166	.51295	.51106	.50984	.53457	2.4490
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**50.729**	**.99645**	**19.990**	**.51293**	**.50812**	**5.0110**	**.50618**	**.99482**	**1.0400**	**.01029**	**1.0189**	**1.0354**	**4.7425**
Stddev	.218	.00001	.045	.00131	.00064	.0027	.00079	.00088	.0006	.00205	.0044	.0014	.0049
%RSD	.42937	.00107	.22638	.25486	.12622	.05380	.15547	.08829	.05935	19.932	.42877	.13070	.10355
#1	50.575	.99646	19.958	.51201	.50767	5.0129	.50563	.99420	1.0396	.00884	1.0158	1.0345	4.7390
#2	50.883	.99644	20.022	.51385	.50857	5.0091	.50674	.99544	1.0404	.01174	1.0219	1.0364	4.7460
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**10.149**	**1.0103**	**.50664**	**.00048**	**.50136**	**1.0427**	**.01690**	**.50876**	**.50219**	**.50473**
Stddev	.011	.0039	.00173	.00007	.00129	.0032	.00503	.00075	.00204	.00244
%RSD	.10355	.39033	.34098	14.984	.25698	.30764	29.743	.14664	.40674	.48326
#1	10.142	1.0075	.50542	.00053	.50045	1.0404	.02045	.50823	.50075	.50301
#2	10.156	1.0131	.50786	.00042	.50227	1.0450	.01335	.50928	.50364	.50646
Check ?	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value										
Range										

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**3379.8**	**51849.**	**5743.9**
Stddev	4.4	41.	34.7
%RSD	.12936	.07954	.60405
#1	3382.9	51878.	5768.4
#2	3376.7	51820.	5719.3

Sample Name: CCB Acquired: 5/2/2012 9:22:14 Type: QC
Method: 6500_025(v2) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00023**	**-.00045**	**-.00352**	**.00048**	**.00015**	**.00010**	**-.00034**	**-.00140**	**.00005**	**-.00022**	**-.00003**	**-.00034**
Stddev	.00012	.00011	.00143	.00014	.00003	.00003	.00120	.00230	.00010	.00002	.00010	.00001
%RSD	53.419	25.543	40.545	29.664	16.950	31.727	348.91	163.69	186.48	7.2238	330.35	4.2168
#1	-.00014	-.00037	-.00251	.00038	.00017	.00012	-.00119	.00022	-.00002	-.00023	-.00010	-.00035
#2	-.00032	-.00053	-.00453	.00058	.00014	.00008	.00050	-.00303	.00012	-.00021	.00004	-.00033
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit												
Low Limit												

Elem	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00133**	**.05544**	**-.00030**	**.00325**	**.00008**	**.00061**	W **.10400**	**-.00046**	**.00075**	**-.00094**	**.00571**	**-.00025**
Stddev	.00040	.04032	.00019	.00242	.00002	.00006	.01366	.00007	.00066	.00169	.00076	.00104
%RSD	30.289	72.737	63.420	74.523	26.704	9.6876	13.139	15.638	87.228	179.26	13.243	424.09
#1	.00105	.02692	-.00043	.00154	.00006	.00066	.09433	-.00041	.00122	.00025	.00518	-.00098
#2	.00162	.08395	-.00016	.00497	.00009	.00057	.11366	-.00051	.00029	-.00214	.00625	.00049
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							.09160					
Low Limit							-.09160					

Elem	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00031**	**-.01671**	**-.03576**	**.00141**	**.00007**	**.00180**	**.00031**	**-.00049**	**.00970**	**-.00059**	**.00203**	**-.00030**
Stddev	.00420	.00832	.01781	.00091	.00002	.00055	.00006	.00042	.02528	.00040	.00012	.00104
%RSD	1340.4	49.794	49.794	64.640	34.777	30.289	19.218	85.213	260.74	67.540	6.0786	342.35
#1	-.00266	-.01083	-.02317	.00205	.00009	.00142	.00035	-.00020	.02757	-.00031	.00212	.00043
#2	.00328	-.02259	-.04835	.00076	.00005	.00219	.00027	-.00079	-.00818	-.00087	.00194	-.00103
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit												
Low Limit												

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**3403.0**	**52569.**	**5655.6**
Stddev	1.6	98.	12.1
%RSD	.04656	.18657	.21478
#1	3404.1	52500.	5664.2
#2	3401.8	52638.	5647.0

Sample Name: CCVL1390952 Acquired: 5/2/2012 9:24:40 Type: QC
Method: 6500_025(v2) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01106**	**.10802**	**.01368**	**.10249**	**.01072**	**.00111**	**.12389**	**.19691**	**.00535**	**.01072**	**.01056**	**.01645**	**.10024**
Stddev	.00018	.00018	.00446	.00039	.00004	.00004	.00358	.00322	.00014	.00000	.00024	.00019	.00201
%RSD	1.6560	.16244	32.622	.37729	.35279	3.1543	2.8871	1.6372	2.5502	.04432	2.2325	1.1441	2.0072
#1	.01093	.10790	.01052	.10222	.01069	.00109	.12642	.19463	.00525	.01072	.01039	.01632	.10166
#2	.01119	.10814	.01683	.10276	.01075	.00114	.12136	.19919	.00545	.01071	.01073	.01659	.09881
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**3.1861**	**.01171**	**.22041**	**.01100**	**.02057**	**1.1154**	**.04251**	**3.0098**	**.00900**	**.00563**	F **.00577**	**.01744**	**.47537**
Stddev	.0573	.00023	.00316	.00006	.00025	.0219	.00009	.0050	.00064	.00001	.00016	.00044	.02167
%RSD	1.7973	1.9808	1.4331	.57002	1.2132	1.9658	.21600	.16490	7.0598	.18228	2.8106	2.5112	4.5584
#1	3.2266	.01154	.22264	.01104	.02074	1.1309	.04257	3.0063	.00945	.00564	.00566	.01775	.46004
#2	3.1456	.01187	.21817	.01096	.02039	1.0999	.04244	3.0133	.00855	.00563	.00589	.01713	.49069
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Fail	Chk Pass	Chk Pass
Value											.01000		
Range											-30.000%		

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.0173**	**.10667**	**.01059**	**.01621**	**.01053**	**.01734**	F **.09481**	**.00981**	**.02346**	**.01615**
Stddev	.0464	.00105	.00002	.00061	.00014	.00120	.01256	.00033	.00060	.00101
%RSD	4.5584	.98515	.15759	3.7511	1.3071	6.9359	13.251	3.3865	2.5572	6.2737
#1	.98449	.10592	.01060	.01578	.01044	.01649	.10369	.00957	.02304	.01544
#2	1.0501	.10741	.01058	.01664	.01063	.01819	.08592	.01004	.02389	.01687
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
Value							.06000			
Range							30.000%			

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**3475.7**	**53476.**	**5798.2**
Stddev	10.0	201.	21.3
%RSD	.28668	.37519	.36725
#1	3482.7	53334.	5813.2
#2	3468.6	53617.	5783.1

Sample Name: 280-28240-H-12-B Acquired: 5/2/2012 9:27:04 Type: Unk
Method: 6500_025(v2) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 117477 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00007**	**.14859**	**.02825**	**.32936**	**.21866**	**.00008**	**-.00641**	**103.03**	**.00064**	**-.00001**
Stddev	.00018	.00046	.00187	.00051	.00011	.00006	.00403	.32	.00003	.00014
%RSD	273.40	.31243	6.6093	.15397	.04970	74.540	62.768	.30743	4.4687	1609.8
#1	-.00006	.14892	.02693	.32900	.21858	.00013	-.00357	102.81	.00066	-.00011
#2	.00019	.14826	.02957	.32972	.21873	.00004	-.00926	103.25	.00062	.00009
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00028**	**.00075**	**5.7518**	**7.9533**	**.02105**	**35.850**	**.88321**	**.00078**	**29.839**	**-.00018**
Stddev	.00017	.00011	.0167	.0072	.00024	.017	.00058	.00039	.385	.00018
%RSD	62.868	14.529	.28955	.09086	1.1520	.04747	.06536	49.808	1.2909	97.168
#1	.00040	.00067	5.7400	7.9482	.02088	35.838	.88362	.00050	30.111	-.00006
#2	.00015	.00083	5.7635	7.9584	.02122	35.862	.88280	.00105	29.566	-.00031
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.5238**	**.00109**	**.19853**	**-.00070**	**.00489**	**28.998**	**62.056**	**.00027**	**.74010**	**-.00059**
Stddev	.0064	.00207	.00485	.00124	.00402	.033	.070	.00048	.00105	.00224
%RSD	.41846	189.41	2.4445	175.77	82.230	.11277	.11277	176.22	.14122	380.65
#1	1.5193	.00255	.19510	-.00158	.00773	28.975	62.006	.00061	.73936	-.00218
#2	1.5283	-.00037	.20197	.00017	.00205	29.021	62.105	-.00007	.74084	.00100
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00457**	**.00169**	**.01375**	**.00089**	**.00474**	**.00185**
Stddev	.00017	.00076	.00350	.00029	.00023	.00115
%RSD	3.7566	44.933	25.421	32.196	4.7830	62.042
#1	.00445	.00223	.01128	.00109	.00458	.00266
#2	.00470	.00115	.01622	.00069	.00490	.00104
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**3302.9**	**50665.**	**5710.4**
Stddev	4.8	132.	13.7
%RSD	.14424	.26076	.24032
#1	3306.2	50759.	5700.7
#2	3299.5	50572.	5720.1

Sample Name: 280-28240-H-13-B Acquired: 5/2/2012 9:29:27 Type: Unk
Method: 6500_025(v2) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 117477 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00042**	**.00130**	**-.00244**	**.00011**	**.00045**	**.00006**	**-.00066**	**.03495**	**.00019**	**-.00017**
Stddev	.00039	.00032	.00365	.00041	.00006	.00002	.00044	.00256	.00012	.00014
%RSD	94.918	24.606	149.17	386.90	12.506	24.675	67.259	7.3376	66.783	79.888
#1	.00014	.00107	.00013	.00040	.00049	.00005	-.00035	.03314	.00010	-.00027
#2	.00069	.00153	-.00502	-.00018	.00041	.00008	-.00097	.03677	.00027	-.00008
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00022**	**-.00014**	**.00447**	**.02156**	**.00192**	**.00384**	**.00020**	**-.00020**	**.15805**	**-.00036**
Stddev	.00002	.00000	.00160	.02335	.00208	.00002	.00003	.00011	.00172	.00025
%RSD	7.0202	2.3401	35.783	108.28	108.50	.57682	13.389	57.055	1.0910	67.553
#1	.00023	-.00014	.00334	.00505	.00045	.00383	.00018	-.00028	.15927	-.00019
#2	.00021	-.00015	.00560	.03807	.00339	.00386	.00022	-.00012	.15683	-.00054
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00102**	**-.00017**	**.01285**	**-.00238**	**.00077**	**.00680**	**.01456**	**.00037**	**.00019**	**.00064**
Stddev	.00056	.00038	.00373	.00080	.00267	.00939	.02010	.00030	.00005	.00020
%RSD	54.639	221.95	29.004	33.767	345.44	138.02	138.02	80.288	24.579	30.795
#1	.00063	-.00044	.01548	-.00181	.00266	.01345	.02877	.00058	.00015	.00077
#2	.00142	.00010	.01021	-.00295	-.00112	.00016	.00035	.00016	.00022	.00050
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00088**	**.00070**	**.01492**	**-.00046**	**.00323**	**.00042**
Stddev	.00000	.00178	.01163	.00029	.00076	.00033
%RSD	.14454	253.94	77.918	62.361	23.431	78.988
#1	.00089	.00196	.02314	-.00026	.00269	.00065
#2	.00088	-.00056	.00670	-.00067	.00376	.00019
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**3455.3**	**53755.**	**5758.6**
Stddev	1.7	82.	23.7
%RSD	.05051	.15181	.41111
#1	3456.6	53813.	5741.8
#2	3454.1	53697.	5775.3

Sample Name: 280-28240-H-14-B Acquired: 5/2/2012 9:31:53 Type: Unk
Method: 6500_025(v2) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 117477 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00001**	**.59367**	**-.00305**	**.06577**	**.19416**	**.00006**	**-.00301**	**136.61**	**.00087**	**.00048**
Stddev	.00028	.00086	.00046	.00046	.00050	.00004	.00039	.36	.00015	.00001
%RSD	5505.3	.14534	15.221	.69867	.25498	60.366	12.950	.26077	16.870	1.0555
#1	.00019	.59306	-.00338	.06545	.19451	.00003	-.00328	136.86	.00097	.00048
#2	-.00020	.59428	-.00272	.06610	.19381	.00009	-.00273	136.36	.00076	.00048
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00117**	**.00283**	**.47494**	**1.4427**	**.02324**	**44.234**	**.49752**	**.00306**	**101.54**	**.00479**
Stddev	.00016	.00048	.00590	.0048	.00145	.144	.00139	.00004	.02	.00044
%RSD	13.844	16.958	1.2428	.33473	6.2185	.32445	.27932	1.2855	.02278	9.2064
#1	.00105	.00317	.47911	1.4392	.02426	44.133	.49653	.00308	101.56	.00510
#2	.00128	.00249	.47076	1.4461	.02222	44.336	.49850	.00303	101.53	.00448
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.20481**	**-.00157**	**72.632**	**-.00229**	**.00935**	**11.648**	**24.927**	**.03515**	**.49338**	**.00214**
Stddev	.00219	.00012	.117	.00153	.00399	.036	.078	.00045	.00190	.00010
%RSD	1.0695	7.6030	.16088	67.047	42.614	.31120	.31120	1.2802	.38437	4.6478
#1	.20326	-.00149	72.549	-.00337	.00654	11.674	24.982	.03483	.49472	.00207
#2	.20636	-.00166	72.714	-.00120	.01217	11.623	24.872	.03547	.49204	.00221
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01593**	**.00169**	**.00623**	**.00652**	**.00670**	**.00153**
Stddev	.00094	.00008	.00608	.00016	.00011	.00014
%RSD	5.8858	4.4864	97.510	2.4285	1.5897	9.3550
#1	.01527	.00174	.00193	.00664	.00663	.00164
#2	.01659	.00164	.01053	.00641	.00678	.00143
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**3223.9**	**49505.**	**5670.5**
Stddev	.2	162.	9.0
%RSD	.00707	.32706	.15957
#1	3224.1	49619.	5664.1
#2	3223.8	49390.	5676.9

Sample Name: 280-28240-H-15-B Acquired: 5/2/2012 9:34:14 Type: Unk
Method: 6500_025(v2) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 117477 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00024**	**.11734**	**.00051**	**.07478**	**.19865**	**.00001**	**-.00581**	**89.484**	**.00099**	**.00029**
Stddev	.00026	.00094	.00268	.00059	.00014	.00002	.00424	.203	.00002	.00017
%RSD	105.41	.80162	521.52	.78610	.06945	141.73	72.912	.22660	2.2122	58.701
#1	.00042	.11667	.00241	.07519	.19875	.00003	-.00881	89.628	.00100	.00017
#2	.00006	.11800	-.00138	.07436	.19855	.00000	-.00282	89.341	.00097	.00041
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00021**	**.00093**	**.16586**	**1.2252**	**.02368**	**27.603**	**.62132**	**.00090**	**35.009**	**.00445**
Stddev	.00022	.00027	.00102	.0168	.00093	.058	.00152	.00021	.315	.00005
%RSD	104.23	28.552	.61545	1.3734	3.9473	.21173	.24479	22.953	.89865	1.2134
#1	.00005	.00112	.16514	1.2371	.02434	27.644	.62240	.00104	34.787	.00441
#2	.00036	.00074	.16658	1.2133	.02302	27.562	.62025	.00075	35.232	.00449
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.10489**	**.00033**	**16.397**	**-.00199**	**-.00171**	**14.697**	**31.452**	**-.00005**	**.28301**	**-.00043**
Stddev	.00404	.00082	.001	.00042	.00343	.011	.023	.00100	.00059	.00025
%RSD	3.8540	249.05	.00625	21.219	200.75	.07343	.07343	1937.7	.20804	58.797
#1	.10775	-.00025	16.398	-.00169	.00072	14.705	31.468	.00066	.28259	-.00025
#2	.10203	.00091	16.396	-.00229	-.00414	14.690	31.436	-.00076	.28343	-.00061
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00346**	**.00106**	**.01236**	**.00407**	**.00554**	**.00048**
Stddev	.00004	.00154	.02293	.00034	.00005	.00096
%RSD	1.1153	145.64	185.56	8.3193	.90500	200.86
#1	.00343	-.00003	-.00386	.00383	.00558	.00115
#2	.00348	.00215	.02857	.00431	.00550	-.00020
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**3325.1**	**51174.**	**5801.8**
Stddev	3.3	19.	2.4
%RSD	.09854	.03623	.04155
#1	3327.4	51160.	5803.5
#2	3322.8	51187.	5800.1

Sample Name: 280-28240-G-16-D Acquired: 5/2/2012 9:36:37 Type: Unk
Method: 6500_025(v2) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 117477 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00031**	**.08052**	**.00906**	**.22045**	**.34545**	**.00004**	**-.00268**	**169.04**	**.00086**	**.00012**
Stddev	.00046	.00028	.00396	.00067	.00023	.00005	.00288	.81	.00017	.00020
%RSD	148.88	.34959	43.690	.30245	.06612	124.10	107.29	.48103	19.449	159.13
#1	.00064	.08071	.00626	.21998	.34561	.00008	-.00472	169.61	.00097	.00026
#2	-.00002	.08032	.01185	.22092	.34528	.00001	-.00065	168.46	.00074	-.00002
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00049**	**.00075**	**7.9395**	**10.587**	**.03418**	**54.568**	**2.8178**	**.00273**	**68.724**	**-.00047**
Stddev	.00018	.00007	.0120	.089	.00161	.361	.0082	.00010	.375	.00009
%RSD	36.561	9.5688	.15062	.84102	4.7172	.66212	.29231	3.7472	.54625	19.523
#1	.00061	.00070	7.9480	10.650	.03304	54.312	2.8120	.00266	68.990	-.00053
#2	.00036	.00080	7.9311	10.524	.03532	54.823	2.8236	.00280	68.459	-.00040
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **2.0545**	**-.00002**	**20.676**	**-.00279**	**.00067**	**25.443**	**54.448**	**-.00032**	**1.0842**	**-.00039**
Stddev	.0040	.00113	.119	.00133	.00098	.053	.114	.00059	.0006	.00119
%RSD	.19459	6706.7	.57540	47.662	147.20	.20998	.20998	181.63	.05227	307.89
#1	2.0573	.00078	20.761	-.00372	.00136	25.481	54.529	-.00074	1.0846	.00046
#2	2.0516	-.00081	20.592	-.00185	-.00003	25.405	54.367	.00009	1.0838	-.00123
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	2.0000									
Low Limit	-1.0000									

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00268**	**.00062**	**-.00432**	**.00091**	**.00552**	**.00024**
Stddev	.00028	.00108	.03560	.00060	.00016	.00017
%RSD	10.298	174.66	823.45	66.350	2.8595	69.946
#1	.00287	-.00015	-.02950	.00048	.00540	.00012
#2	.00248	.00139	.02085	.00133	.00563	.00036
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**3246.9**	**49926.**	**5742.8**
Stddev	1.5	183.	54.5
%RSD	.04605	.36712	.94822
#1	3245.8	50056.	5704.3
#2	3247.9	49797.	5781.3

Sample Name: 280-28240-H-17-B Acquired: 5/2/2012 9:38:58 Type: Unk
Method: 6500_025(v2) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 117477 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00020**	**.20966**	**.05368**	**.54420**	**.48212**	**.00014**	**-.00786**	**155.38**	**.00069**	**-.00037**
Stddev	.00016	.00003	.00347	.00024	.00116	.00002	.00138	.36	.00010	.00021
%RSD	80.264	.01299	6.4593	.04376	.24036	16.399	17.507	.22912	13.881	56.694
#1	.00031	.20964	.05613	.54437	.48130	.00016	-.00884	155.13	.00076	-.00052
#2	.00009	.20968	.05122	.54403	.48294	.00012	-.00689	155.63	.00063	-.00022
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00058**	**.00111**	**6.7773**	**10.515**	**.02391**	**52.135**	**1.1707**	**.00094**	**75.521**	**-.00040**
Stddev	.00026	.00019	.0175	.014	.00005	.016	.0001	.00044	.466	.00029
%RSD	45.674	17.029	.25773	.13523	.20031	.03110	.01300	46.654	.61649	73.667
#1	.00077	.00124	6.7649	10.505	.02388	52.124	1.1706	.00063	75.191	-.00061
#2	.00039	.00097	6.7896	10.525	.02395	52.147	1.1708	.00125	75.850	-.00019
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **2.4089**	**.00064**	**8.9742**	**-.00168**	**.00043**	**28.770**	**61.567**	**-.00060**	**1.1507**	**.00070**
Stddev	.0066	.00027	.0152	.00225	.00056	.039	.084	.00064	.0051	.00049
%RSD	.27559	42.151	.16940	134.24	129.12	.13699	.13699	106.47	.44141	69.834
#1	2.4136	.00045	8.9850	-.00327	.00004	28.742	61.507	-.00015	1.1472	.00035
#2	2.4042	.00083	8.9635	-.00009	.00083	28.798	61.627	-.00105	1.1543	.00104
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	2.0000									
Low Limit	-1.0000									

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00637**	**.00068**	**-.01164**	**.00083**	**.00377**	**.00069**
Stddev	.00015	.00176	.03300	.00041	.00032	.00056
%RSD	2.2819	259.54	283.59	48.545	8.5959	81.219
#1	.00627	-.00057	.01170	.00112	.00354	.00030
#2	.00647	.00192	-.03497	.00055	.00400	.00109
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**3237.8**	**50074.**	**5739.3**
Stddev	3.3	11.	18.1
%RSD	.10304	.02113	.31513
#1	3240.2	50082.	5726.6
#2	3235.5	50067.	5752.1

Sample Name: 280-28240-H-18-B Acquired: 5/2/2012 9:41:18 Type: Unk
Method: 6500_025(v2) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 117477 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00034**	**.01632**	**.00819**	**.33672**	**.58833**	**.00009**	**-.00700**	**210.61**	**.00100**	**-.00035**
Stddev	.00009	.00026	.00136	.00210	.00160	.00009	.00222	3.01	.00013	.00010
%RSD	25.075	1.6070	16.578	.62362	.27272	98.493	31.776	1.4293	13.288	27.257
#1	.00028	.01651	.00914	.33524	.58719	.00015	-.00857	208.49	.00109	-.00028
#2	.00040	.01614	.00723	.33821	.58946	.00003	-.00543	212.74	.00090	-.00042
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00025**	**.00070**	**8.6389**	**13.618**	**.02318**	**66.206**	**.68073**	**.00109**	**75.823**	**-.00093**
Stddev	.00013	.00021	.0105	.086	.00184	.143	.00219	.00060	.206	.00003
%RSD	52.442	29.283	.12160	.63355	7.9179	.21558	.32100	54.863	.27193	3.6272
#1	.00016	.00056	8.6315	13.557	.02447	66.105	.67919	.00067	75.969	-.00091
#2	.00034	.00085	8.6464	13.679	.02188	66.307	.68228	.00152	75.677	-.00095
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **3.3005**	**-.00061**	**28.504**	**-.00206**	**.00303**	**28.652**	**61.316**	**.00049**	**1.5265**	**.00038**
Stddev	.0126	.00018	.061	.00078	.00141	.141	.302	.00069	.0035	.00053
%RSD	.38169	29.212	.21474	37.767	46.355	.49282	.49282	139.91	.23001	137.69
#1	3.2916	-.00048	28.460	-.00151	.00204	28.552	61.102	.00001	1.5240	.00076
#2	3.3094	-.00073	28.547	-.00262	.00403	28.752	61.529	.00098	1.5290	.00001
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	2.0000									
Low Limit	-1.0000									

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00139**	**.00211**	**.02822**	**.00032**	**.00338**	**.00109**
Stddev	.00054	.00380	.00460	.00007	.00008	.00027
%RSD	38.988	179.88	16.288	22.634	2.4123	24.821
#1	.00177	-.00057	.02497	.00037	.00344	.00090
#2	.00101	.00479	.03147	.00027	.00333	.00128
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**3198.9**	**49556.**	**5660.8**
Stddev	5.7	156.	18.9
%RSD	.17937	.31442	.33387
#1	3203.0	49667.	5674.1
#2	3194.9	49446.	5647.4

Sample Name: 280-28240-H-19-B Acquired: 5/2/2012 9:43:45 Type: Unk
Method: 6500_025(v2) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 117477 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00003**	**.01448**	**.00703**	**.33167**	**.58154**	**.00008**	**-.00677**	**205.68**	**.00083**	**-.00030**
Stddev	.00016	.00027	.00077	.00064	.00119	.00001	.00020	4.46	.00021	.00006
%RSD	510.67	1.8744	10.935	.19308	.20447	9.3406	2.9455	2.1687	25.362	20.442
#1	.00015	.01467	.00758	.33213	.58238	.00007	-.00663	202.52	.00068	-.00026
#2	-.00008	.01428	.00649	.33122	.58070	.00008	-.00691	208.83	.00097	-.00034
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00011**	**.00081**	**8.5248**	**13.543**	**.02306**	**65.761**	**.67620**	**.00100**	**75.032**	**-.00076**
Stddev	.00002	.00018	.0133	.030	.00010	.067	.00095	.00000	.370	.00018
%RSD	18.934	21.601	.15589	.22380	.41490	.10239	.14046	.46832	.49287	23.582
#1	.00013	.00093	8.5342	13.564	.02299	65.713	.67553	.00101	75.294	-.00063
#2	.00010	.00069	8.5154	13.522	.02313	65.809	.67688	.00100	74.771	-.00089
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **3.2553**	**.00052**	**28.312**	**-.00318**	**.00387**	**28.284**	**60.527**	**-.00048**	**1.5142**	**.00053**
Stddev	.0029	.00081	.041	.00032	.00596	.067	.144	.00055	.0039	.00051
%RSD	.08892	155.62	.14308	10.122	154.06	.23803	.23803	115.82	.25790	95.579
#1	3.2532	.00109	28.341	-.00341	-.00035	28.236	60.425	-.00087	1.5169	.00017
#2	3.2573	-.00005	28.284	-.00296	.00809	28.331	60.629	-.00009	1.5114	.00089
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	2.0000									
Low Limit	-1.0000									

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00084**	**.00208**	**.00148**	**.00053**	**.00347**	**-.00096**
Stddev	.00016	.00307	.01317	.00012	.00061	.00057
%RSD	18.469	147.44	889.27	21.679	17.560	59.700
#1	.00073	-.00009	-.00783	.00045	.00390	-.00137
#2	.00095	.00426	.01079	.00062	.00304	-.00056
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**3203.0**	**49420.**	**5691.4**
Stddev	2.0	139.	14.7
%RSD	.06307	.28041	.25897
#1	3204.4	49518.	5701.8
#2	3201.6	49322.	5681.0

Sample Name: CCVH-1390999 Acquired: 5/2/2012 9:46:09 Type: QC
Method: 6500_025(v2) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00150**	**48.815**	**-.00133**	**.00235**	**.00046**	**.00001**	**1.0480**	**.01769**	**.00027**	**.00020**	**.00032**	**-.00288**
Stddev	.00003	.039	.00071	.00038	.00026	.00003	.0023	.00185	.00021	.00000	.00008	.00012
%RSD	1.8660	.07984	53.443	16.261	57.039	246.12	.21620	10.470	78.007	1.9468	23.724	4.3087
#1	-.00152	48.787	-.00183	.00262	.00064	-.00001	1.0464	.01638	.00043	.00020	.00027	-.00280
#2	-.00148	48.842	-.00083	.00208	.00027	.00004	1.0496	.01900	.00012	.00021	.00038	-.00297
Check ?	None	Chk Pass	None	None	None	None	Chk Pass	None	None	None	None	None
Value												
Range												

Elem	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316	P_1782	Pb2203	S_1820	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**48.486**	**.07385**	**.00021**	**-.01851**	**.00015**	**.00058**	**254.57**	**.00081**	**.00300**	**.00026**	**5.1308**	**-.00244**
Stddev	.205	.01461	.00088	.00030	.00004	.00011	.28	.00028	.00006	.00038	.0032	.00167
%RSD	.42201	19.784	411.11	1.6319	23.393	18.304	.11099	35.156	1.8380	147.24	.06289	68.593
#1	48.631	.08418	.00084	-.01872	.00018	.00051	254.77	.00101	.00296	-.00001	5.1285	-.00362
#2	48.341	.06352	-.00041	-.01829	.00013	.00066	254.37	.00061	.00304	.00053	5.1331	-.00125
Check ?	Chk Pass	None	None	None	None	None	Chk Pass	None	None	None	Chk Pass	None
Value												
Range												

Elem	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00714**	**.00032**	**.00068**	**.00214**	**.00051**	**5.1419**	**.00649**	**-.00040**	W **10.779**	**-.00395**	**.00172**	**-.03702**
Stddev	.00189	.00837	.01791	.00088	.00004	.0070	.00023	.00062	.030	.00034	.00018	.00196
%RSD	26.428	2620.0	2620.0	41.076	7.3393	.13701	3.5674	157.46	.28087	8.6830	10.227	5.2919
#1	.00580	-.00560	-.01198	.00276	.00049	5.1469	.00665	-.00084	10.800	-.00371	.00184	-.03564
#2	.00847	.00624	.01335	.00152	.00054	5.1369	.00633	.00004	10.757	-.00419	.00159	-.03841
Check ?	None	None	None	None	None	Chk Pass	None	None	Chk Warn	None	None	None
Value									10.000			
Range									5.0000%			

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**3302.2**	**50365.**	**5680.5**
Stddev	2.2	180.	12.0
%RSD	.06614	.35703	.21161
#1	3300.7	50492.	5672.0
#2	3303.7	50238.	5689.0

Sample Name: CCV-1390955 Acquired: 5/2/2012 9:48:29 Type: QC
Method: 6500_025(v2) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.51507**	**.50353**	**1.0064**	**.50072**	**.50937**	**.47743**	**-.00235**	**4.7772**	**.51088**	**.50770**	**.50669**	**.53061**	**2.4408**
Stddev	.00275	.00253	.0046	.00106	.00257	.00350	.00043	.0570	.00128	.00219	.00132	.00152	.0105
%RSD	.53470	.50335	.45968	.21095	.50401	.73282	18.194	1.1938	.25039	.43055	.25991	.28685	.43154
#1	.51312	.50532	1.0031	.49998	.51118	.47991	-.00266	4.8175	.51178	.50924	.50762	.52953	2.4482
#2	.51702	.50174	1.0096	.50147	.50755	.47496	-.00205	4.7369	.50998	.50615	.50576	.53168	2.4333
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**50.468**	**.99275**	**19.821**	**.50892**	**.50637**	**5.0222**	**.50373**	**.98798**	**1.0348**	**.00921**	**1.0085**	**1.0327**	**4.7348**
Stddev	.251	.00498	.017	.00140	.00206	.0402	.00193	.01026	.0017	.00127	.0019	.0013	.0153
%RSD	.49764	.50147	.08681	.27547	.40657	.80102	.38277	1.0384	.16090	13.826	.19129	.12565	.32305
#1	50.646	.99627	19.833	.50793	.50783	5.0506	.50509	.99524	1.0359	.01011	1.0099	1.0336	4.7239
#2	50.291	.98923	19.809	.50992	.50492	4.9937	.50237	.98073	1.0336	.00831	1.0072	1.0318	4.7456
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**10.132**	**1.0027**	**.50431**	**.00141**	**.49928**	**1.0381**	**.00766**	**.50621**	**.49728**	**.49976**
Stddev	.033	.0028	.00235	.00003	.00043	.0003	.00175	.00133	.00236	.00226
%RSD	.32305	.27658	.46612	1.9370	.08647	.02587	22.824	.26340	.47545	.45286
#1	10.109	1.0046	.50597	.00143	.49898	1.0383	.00889	.50526	.49561	.50136
#2	10.156	1.0007	.50264	.00139	.49959	1.0379	.00642	.50715	.49896	.49816
Check ?	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value										
Range										

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**3359.4**	**51965.**	**5696.6**
Stddev	4.3	85.	24.0
%RSD	.12795	.16332	.42134
#1	3356.4	52025.	5679.6
#2	3362.5	51905.	5713.6

Sample Name: CCB Acquired: 5/2/2012 9:50:41 Type: QC
Method: 6500_025(v2) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00030**	**-.00021**	**-.00308**	**.00041**	**.00010**	**.00012**	**-.00176**	**.00146**	**.00003**	**-.00019**	**.00016**	**-.00054**
Stddev	.00013	.00006	.00448	.00019	.00003	.00004	.00029	.00132	.00002	.00015	.00000	.00027
%RSD	43.946	29.706	145.36	46.692	28.706	34.287	16.301	90.249	52.309	75.740	1.4938	50.175
#1	.00020	-.00025	-.00625	.00055	.00008	.00015	-.00155	.00053	.00005	-.00009	.00016	-.00035
#2	.00039	-.00017	.00009	.00027	.00012	.00009	-.00196	.00239	.00002	-.00030	.00016	-.00074
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit												
Low Limit												

Elem	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00105**	**.04880**	**.00075**	**.00398**	**.00013**	**.00081**	W **.11422**	**-.00027**	**-.00257**	**.00018**	**.00346**	**-.00038**
Stddev	.00060	.00643	.00136	.00468	.00001	.00066	.00626	.00004	.00166	.00039	.00039	.00123
%RSD	57.306	13.183	182.54	117.51	10.671	81.754	5.4775	14.472	64.350	218.81	11.250	319.52
#1	.00147	.05335	-.00022	.00067	.00014	.00034	.11864	-.00030	-.00140	-.00010	.00373	-.00125
#2	.00062	.04425	.00171	.00729	.00012	.00128	.10979	-.00024	-.00374	.00046	.00318	.00048
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							.09160					
Low Limit							-.09160					

Elem	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00001**	**-.00449**	**-.00961**	**.00086**	**.00006**	**.00121**	**.00031**	**.00148**	**-.00006**	**-.00041**	**.00278**	**.00070**
Stddev	.00380	.00789	.01689	.00005	.00009	.00038	.00011	.00168	.01047	.00039	.00049	.00068
%RSD	29129.	175.72	175.72	5.3487	158.69	31.224	35.905	113.66	18216.	95.379	17.758	97.710
#1	.00270	.00109	.00233	.00083	.00012	.00095	.00023	.00266	.00734	-.00068	.00243	.00118
#2	-.00267	-.01007	-.02155	.00089	-.00001	.00148	.00039	.00029	-.00746	-.00013	.00313	.00022
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit												
Low Limit												

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**3376.4**	**52733.**	**5657.8**
Stddev	2.2	8.	28.2
%RSD	.06397	.01532	.49830
#1	3377.9	52739.	5637.8
#2	3374.9	52727.	5677.7

Sample Name: CCVL1390952 Acquired: 5/2/2012 9:53:05 Type: QC
Method: 6500_025(v2) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01075**	**.10699**	**.01120**	**.10353**	**.01082**	**.00100**	**.11963**	**.20003**	**.00539**	**.01090**	**.01049**	**.01605**	F **.18591**
Stddev	.00005	.00109	.00270	.00023	.00002	.00003	.00006	.00391	.00008	.00021	.00029	.00009	.00227
%RSD	.43353	1.0215	24.133	.22229	.16780	3.4850	.05067	1.9570	1.4427	1.9318	2.7645	.57923	1.2192
#1	.01078	.10776	.00929	.10370	.01083	.00098	.11959	.20280	.00544	.01075	.01028	.01611	.18430
#2	.01072	.10622	.01311	.10337	.01080	.00103	.11967	.19727	.00533	.01104	.01069	.01598	.18751
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail
Value													.10000
Range													30.000%

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**3.2222**	**.01010**	**.21664**	**.01158**	**.02064**	**1.1583**	**.04200**	**3.0107**	**.00923**	**.00128**	F **.00691**	**.01660**	**.48347**
Stddev	.0563	.00094	.00397	.00007	.00032	.0113	.00063	.0055	.00018	.00137	.00218	.00140	.01378
%RSD	1.7473	9.2622	1.8340	.62588	1.5425	.97927	1.4969	.18291	1.9879	107.25	31.547	8.4631	2.8496
#1	3.1824	.01076	.21945	.01164	.02041	1.1503	.04244	3.0146	.00936	.00225	.00845	.01759	.49321
#2	3.2620	.00943	.21383	.01153	.02086	1.1664	.04156	3.0068	.00910	.00031	.00537	.01560	.47372
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Fail	Chk Pass	Chk Pass
Value											.01000		
Range											-30.000%		

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.0346**	**.10785**	**.01054**	**.01715**	**.01018**	**.01777**	**.06593**	**.00968**	**.02385**	**.01652**
Stddev	.0295	.00018	.00002	.00053	.00007	.00148	.01181	.00035	.00011	.00021
%RSD	2.8496	.17093	.22183	3.0840	.65059	8.3066	17.917	3.6201	.45282	1.2859
#1	1.0555	.10772	.01052	.01753	.01013	.01673	.05757	.00993	.02393	.01637
#2	1.0138	.10798	.01056	.01678	.01023	.01882	.07428	.00943	.02378	.01667
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value										
Range										

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**3460.1**	**53582.**	**5725.4**
Stddev	6.3	54.	62.1
%RSD	.18204	.10110	1.0843
#1	3455.6	53620.	5769.3
#2	3464.6	53543.	5681.5

Sample Name: MB 280-117239/1-A Acquired: 5/2/2012 9:55:28 Type: Unk
Method: 6500_025(v2) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 117239 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00013**	**.00246**	**-.00026**	**.00009**	**.00030**	**.00004**	**.00063**	**.01082**	**.00011**	**-.00018**
Stddev	.00036	.00064	.00494	.00009	.00005	.00004	.00014	.00400	.00001	.00007
%RSD	287.81	25.846	1873.0	95.188	16.562	118.53	21.955	37.003	14.063	38.533
#1	-.00013	.00291	-.00376	.00015	.00026	.00001	.00054	.00799	.00012	-.00024
#2	.00038	.00201	.00323	.00003	.00033	.00007	.00073	.01365	.00009	-.00013
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00001**	**-.00026**	**.00616**	**.01188**	**.00109**	**.00207**	**.00011**	**-.00021**	**.08759**	**.00002**
Stddev	.00025	.00007	.00148	.00284	.00009	.00231	.00004	.00010	.00746	.00031
%RSD	3198.3	26.810	23.934	23.926	8.0034	111.87	42.331	48.285	8.5126	1553.4
#1	.00017	-.00031	.00721	.00987	.00103	.00043	.00014	-.00028	.08231	-.00020
#2	-.00018	-.00021	.00512	.01389	.00115	.00370	.00007	-.00014	.09286	.00024
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00023**	**-.00079**	**.00318**	**-.00264**	**.00144**	F **-.01887**	**-.04039**	**-.00037**	**.00002**	**.00064**
Stddev	.00071	.00013	.00188	.00052	.00273	.00243	.00520	.00009	.00001	.00048
%RSD	303.96	16.749	59.164	19.698	189.46	12.880	12.880	23.434	38.539	74.842
#1	.00073	-.00070	.00451	-.00301	.00337	-.02059	-.04406	-.00043	.00002	.00097
#2	-.00027	-.00089	.00185	-.00228	-.00049	-.01715	-.03671	-.00031	.00003	.00030
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	None	Chk Pass	Chk Pass	Chk Pass
High Limit						.01000				
Low Limit						-.01000				

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00043**	**.00172**	**.01758**	**-.00072**	**.00280**	**-.00017**
Stddev	.00001	.00028	.02985	.00016	.00005	.00164
%RSD	1.2221	16.043	169.75	22.654	1.6781	935.30
#1	.00043	.00153	-.00352	-.00083	.00284	-.00133
#2	.00042	.00192	.03869	-.00060	.00277	.00098
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**3458.0**	**53807.**	**5788.9**
Stddev	9.3	137.	8.9
%RSD	.26755	.25392	.15430
#1	3464.5	53903.	5795.2
#2	3451.5	53710.	5782.6

Sample Name: LCS 280-117239/2-A Acquired: 5/2/2012 9:57:53 Type: Unk
Method: 6500_025(v2) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 117239 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.05390**	**1.9511**	**1.0740**	**1.0642**	**2.0498**	**.04878**	**2.2616**	**47.410**	**.10581**	**.50345**
Stddev	.00054	.0033	.0010	.0044	.0075	.00009	.0064	.103	.00055	.00049
%RSD	.99457	.16753	.09708	.41113	.36678	.17894	.28256	.21631	.51619	.09744
#1	.05428	1.9488	1.0747	1.0611	2.0445	.04872	2.2570	47.338	.10543	.50311
#2	.05352	1.9534	1.0733	1.0673	2.0551	.04885	2.2661	47.483	.10620	.50380
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.20378**	**.27026**	**.99100**	**51.425**	**1.0075**	**50.439**	**.51751**	**1.0296**	**53.514**	**.50267**
Stddev	.00021	.00142	.00518	.158	.0026	.172	.00176	.0005	.170	.00107
%RSD	.10158	.52374	.52308	.30744	.25702	.34048	.33921	.04425	.31750	.21356
#1	.20364	.27126	.99467	51.313	1.0057	50.560	.51875	1.0293	53.394	.50191
#2	.20393	.26926	.98734	51.537	1.0093	50.317	.51627	1.0300	53.634	.50343
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**10.569**	**.50874**	**.01674**	**.51666**	**2.1892**	**9.6312**	F **20.611**	**2.0317**	**1.0295**	**1.0476**
Stddev	.044	.00101	.00145	.00316	.0015	.0340	.073	.0022	.0035	.0014
%RSD	.41579	.19791	8.6316	.61068	.06789	.35270	.35270	.11019	.34114	.12986
#1	10.537	.50802	.01572	.51443	2.1882	9.6072	20.559	2.0302	1.0270	1.0486
#2	10.600	.50945	.01777	.51889	2.1903	9.6552	20.662	2.0333	1.0320	1.0467
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit							24.610			
Low Limit							20.100			

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.0175**	**2.0643**	**2.2723**	**.51671**	**.50823**	**.50387**
Stddev	.0019	.0073	.0060	.00093	.00302	.00438
%RSD	.19007	.35217	.26375	.17934	.59435	.86893
#1	1.0188	2.0592	2.2681	.51737	.51036	.50077
#2	1.0161	2.0695	2.2765	.51606	.50609	.50696
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**3296.7**	**50876.**	**5773.7**
Stddev	6.8	242.	36.8
%RSD	.20591	.47622	.63754
#1	3301.5	50705.	5799.7
#2	3291.9	51047.	5747.6

Sample Name: 280-28132-D-1-A Acquired: 5/2/2012 10:00:04 Type: Unk
Method: 6500_025(v2) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 117239 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00004**	**.00071**	**-.00005**	**3.2048**	**.01018**	**.00007**	**-.00238**	**278.48**	**.00139**	**.00036**
Stddev	.00010	.00088	.00339	.0031	.00017	.00008	.00045	.11	.00012	.00021
%RSD	246.35	122.65	7093.6	.09749	1.6683	119.95	18.965	.03835	8.7390	58.543
#1	-.00003	.00133	.00235	3.2070	.01030	.00001	-.00270	278.40	.00130	.00051
#2	.00011	.00009	-.00244	3.2026	.01006	.00013	-.00206	278.56	.00147	.00021
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00320**	**.00159**	**1.8228**	**29.832**	**.33065**	W **965.31**	**.15361**	**.00899**	W **2313.5**	**.01946**
Stddev	.00006	.00040	.0116	.229	.00020	2.86	.00077	.00051	9.7	.00035
%RSD	1.8194	25.347	.63600	.76814	.05995	.29579	.50173	5.6233	.41955	1.8139
#1	.00316	.00131	1.8146	29.670	.33051	963.29	.15306	.00863	2306.6	.01921
#2	.00324	.00188	1.8310	29.994	.33079	967.33	.15415	.00934	2320.4	.01971
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Warn	Chk Pass
High Limit						500.00			500.00	
Low Limit						-.10000			11.000	

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.06816**	**.00036**	F **2243.3**	**-.00116**	**.01070**	**11.663**	**24.960**	**-.00015**	**2.7665**	**-.00449**
Stddev	.00339	.00337	.9	.00002	.00426	.031	.065	.00068	.0104	.00120
%RSD	4.9755	939.38	.03791	2.1194	39.780	.26160	.26160	438.94	.37598	26.646
#1	.07056	-.00203	2242.7	-.00117	.00769	11.642	24.914	-.00063	2.7591	-.00364
#2	.06576	.00274	2243.9	-.00114	.01371	11.685	25.006	.00033	2.7738	-.00534
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit			200.00							
Low Limit			-.20000							

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00078**	**.00453**	**.01254**	**.00090**	**.00789**	**.00195**
Stddev	.00002	.00004	.00101	.00052	.00025	.00064
%RSD	2.0864	.97979	8.0946	57.799	3.1320	32.658
#1	.00080	.00456	.01182	.00126	.00807	.00150
#2	.00077	.00450	.01325	.00053	.00772	.00239
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**2707.1**	**41197.**	**5536.9**
Stddev	.9	35.	19.3
%RSD	.03238	.08556	.34891
#1	2706.4	41221.	5550.6
#2	2707.7	41172.	5523.3

Sample Name: 280-28132-D-1-ASD@5 Acquired: 5/2/2012 10:02:44 Type: Unk
Method: 6500_025(v2) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 117239 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00022**	**-.00120**	**-.00321**	**.65594**	**.00223**	**.00008**	**-.00019**	**58.054**	**.00104**	**-.00009**
Stddev	.00058	.00075	.00036	.00223	.00010	.00006	.00628	.151	.00001	.00019
%RSD	261.13	62.011	11.214	.33963	4.5636	72.775	3240.5	.26053	1.3211	212.11
#1	.00019	-.00173	-.00346	.65752	.00230	.00004	.00425	58.161	.00103	.00004
#2	-.00063	-.00068	-.00295	.65437	.00216	.00012	-.00464	57.947	.00105	-.00022
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00098**	**.00064**	**.37774**	**5.7826**	**.06255**	**199.03**	**.03071**	**.00142**	**456.86**	**.00415**
Stddev	.00011	.00006	.00104	.0129	.00110	2.08	.00022	.00016	.38	.00026
%RSD	11.081	8.7409	.27559	.22270	1.7620	1.0474	.70634	11.051	.08306	6.3646
#1	.00090	.00060	.37848	5.7917	.06333	200.51	.03086	.00154	457.13	.00396
#2	.00105	.00068	.37701	5.7735	.06177	197.56	.03055	.00131	456.59	.00434
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01175**	**-.00199**	F **563.21**	**-.00348**	**.00031**	**2.3014**	**4.9249**	**.00041**	**.54869**	**-.00059**
Stddev	.00090	.00180	.46	.00088	.00187	.0121	.0259	.00022	.00188	.00010
%RSD	7.6748	90.699	.08122	25.358	597.46	.52487	.52487	53.056	.34330	16.827
#1	.01111	-.00071	562.89	-.00410	.00163	2.3099	4.9432	.00056	.55002	-.00066
#2	.01239	-.00327	563.53	-.00285	-.00101	2.2928	4.9067	.00026	.54736	-.00052
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit			200.00							
Low Limit			-.20000							

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00044**	**.00152**	**-.00847**	**.00015**	**.00493**	**-.00008**
Stddev	.00020	.00153	.00706	.00053	.00126	.00033
%RSD	46.665	100.55	83.298	344.58	25.479	401.29
#1	.00029	.00044	-.01346	.00053	.00582	.00015
#2	.00058	.00261	-.00348	-.00022	.00404	-.00031
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**3138.7**	**47856.**	**5678.1**
Stddev	3.5	140.	18.9
%RSD	.11082	.29346	.33287
#1	3141.1	47757.	5691.5
#2	3136.2	47956.	5664.8

Sample Name: 280-28132-D-1-B MS Acquired: 5/2/2012 10:05:18 Type: Unk
Method: 6500_025(v2) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 117239 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.05844**	**1.7559**	**1.1443**	**4.1002**	**1.9279**	**.04776**	F **2.1752**	**324.82**	**.10885**	**.47383**
Stddev	.00006	.0006	.0041	.0097	.0157	.00001	.0024	2.06	.00022	.00011
%RSD	.10625	.03544	.36147	.23732	.81556	.01337	.11271	.63382	.19902	.02375
#1	.05839	1.7563	1.1413	4.1071	1.9168	.04776	2.1770	323.37	.10901	.47375
#2	.05848	1.7554	1.1472	4.0933	1.9390	.04777	2.1735	326.28	.10870	.47391
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit							.10000			
Low Limit							-.10000			

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.20267**	**.27225**	**2.7641**	**84.960**	**1.4157**	W **1002.5**	**.66505**	**1.0131**	W **2371.4**	**.48642**
Stddev	.00001	.00166	.0023	.161	.0030	12.1	.00288	.0004	.2	.00058
%RSD	.00594	.61095	.08419	.18938	.21165	1.2037	.43367	.03561	.00702	.11924
#1	.20266	.27343	2.7625	84.846	1.4178	1011.0	.66709	1.0128	2371.3	.48601
#2	.20268	.27107	2.7658	85.074	1.4136	993.96	.66301	1.0134	2371.5	.48683
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Warn	Chk Pass
High Limit						500.00			500.00	
Low Limit						-.10000			11.000	

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **11.493**	**.44007**	F **2218.9**	**.52285**	**2.4778**	**21.551**	**46.120**	**1.8522**	**3.8060**	**1.0617**
Stddev	.006	.00305	.9	.00146	.0016	.068	.146	.0007	.0011	.0100
%RSD	.05092	.69229	.04192	.27872	.06425	.31691	.31691	.03623	.02776	.93688
#1	11.497	.44223	2218.2	.52388	2.4789	21.503	46.017	1.8517	3.8067	1.0687
#2	11.489	.43792	2219.5	.52182	2.4766	21.600	46.223	1.8527	3.8052	1.0546
Check ?	Chk Warn	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	2.0000		200.00							
Low Limit	-1.0000		-.20000							

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.0265**	**1.6321**	**2.1550**	**.52991**	**.49632**	**.50189**
Stddev	.0045	.0068	.0336	.00402	.00393	.00049
%RSD	.44128	.41884	1.5575	.75780	.79179	.09859
#1	1.0297	1.6273	2.1313	.53275	.49910	.50154
#2	1.0233	1.6370	2.1787	.52707	.49355	.50224
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**2712.9**	**41548.**	**5454.8**
Stddev	3.4	70.	35.8
%RSD	.12606	.16792	.65718
#1	2715.3	41499.	5480.2
#2	2710.5	41598.	5429.5

Sample Name: 280-28132-D-1-C MSD Acquired: 5/2/2012 10:07:44 Type: Unk
Method: 6500_025(v2) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 117239 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.05846	1.7474	1.1279	4.1349	1.8590	.04708	F 2.1566	321.96	.10812	.47056
Stddev	.00011	.0098	.0029	.0148	.0047	.00003	.0070	3.75	.00070	.00115
%RSD	.18918	.55887	.25751	.35809	.25464	.06467	.32533	1.1645	.65188	.24448
#1	.05839	1.7543	1.1258	4.1453	1.8556	.04706	2.1616	324.61	.10861	.47137
#2	.05854	1.7405	1.1299	4.1244	1.8623	.04710	2.1516	319.31	.10762	.46974
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit							.10000			
Low Limit							-.10000			

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.20139	.27129	2.7615	84.738	1.3961	W 1015.3	.66710	1.0117	W 2378.3	.48216
Stddev	.00084	.00102	.0040	.113	.0021	8.9	.00208	.0061	1.7	.00233
%RSD	.41885	.37427	.14544	.13336	.14919	.87760	.31246	.60534	.07055	.48243
#1	.20199	.27057	2.7587	84.818	1.3946	1009.0	.66563	1.0161	2379.5	.48380
#2	.20079	.27201	2.7644	84.658	1.3976	1021.6	.66858	1.0074	2377.1	.48051
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Warn	Chk Pass
High Limit						500.00			500.00	
Low Limit						-.10000			11.000	

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W 11.441	.43638	F 2225.4	.52040	2.4490	21.366	45.724	1.8472	3.8041	1.0598
Stddev	.036	.00214	7.9	.00270	.0011	.044	.094	.0013	.0029	.0015
%RSD	.31511	.49081	.35481	.51911	.04654	.20569	.20569	.06897	.07715	.14376
#1	11.467	.43790	2231.0	.52231	2.4499	21.397	45.791	1.8463	3.8021	1.0608
#2	11.416	.43487	2219.8	.51849	2.4482	21.335	45.658	1.8481	3.8062	1.0587
Check ?	Chk Warn	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	2.0000		200.00							
Low Limit	-1.0000		-.20000							

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.0319	1.6183	2.1785	.52853	.49680	.49588
Stddev	.0016	.0075	.0212	.00177	.00181	.00250
%RSD	.15235	.46264	.97216	.33400	.36369	.50512
#1	1.0308	1.6236	2.1635	.52728	.49552	.49411
#2	1.0331	1.6130	2.1935	.52978	.49808	.49765
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	2712.0	41160.	5519.0
Stddev	7.2	154.	36.9
%RSD	.26558	.37486	.66829
#1	2706.9	41269.	5493.0
#2	2717.1	41050.	5545.1

Sample Name: 280-28161-C-1-A Acquired: 5/2/2012 10:10:12 Type: Unk
Method: 6500_025(v2) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 117239 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00015**	**.00078**	**-.00270**	**4.1951**	**.02210**	**-.00003**	**.00112**	**42.901**	**.00056**	**.00024**
Stddev	.00018	.00046	.00155	.0110	.00033	.00003	.00054	.054	.00010	.00008
%RSD	119.01	59.397	57.662	.26327	1.4928	111.36	48.646	.12567	17.549	33.249
#1	-.00027	.00111	-.00160	4.2029	.02187	-.00001	.00150	42.939	.00049	.00018
#2	-.00002	.00045	-.00379	4.1873	.02234	-.00005	.00073	42.863	.00063	.00030
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00012**	**.00511**	**.01485**	**7.5392**	**.06070**	**24.037**	**.12035**	**.00342**	W **1881.7**	**.00605**
Stddev	.00012	.00055	.00060	.0159	.00375	.031	.00002	.00047	2.9	.00035
%RSD	101.11	10.697	4.0165	.21028	6.1702	.12752	.01827	13.632	.15503	5.7702
#1	.00003	.00472	.01442	7.5504	.05805	24.059	.12033	.00309	1883.7	.00580
#2	.00020	.00549	.01527	7.5280	.06334	24.015	.12036	.00375	1879.6	.00629
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass
High Limit									500.00	
Low Limit									11.000	

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.06421**	**-.00088**	F **326.28**	**-.00302**	**.00614**	**2.9973**	**6.4141**	**.00163**	**3.9848**	**-.00127**
Stddev	.00007	.00035	1.08	.00284	.00084	.0012	.0025	.00084	.0058	.00166
%RSD	.11475	39.518	.33146	93.940	13.708	.03943	.03943	51.581	.14661	129.97
#1	.06416	-.00064	327.05	-.00503	.00555	2.9981	6.4159	.00103	3.9889	-.00245
#2	.06427	-.00113	325.52	-.00101	.00674	2.9964	6.4123	.00222	3.9807	-.00010
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit			200.00							
Low Limit			-.20000							

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00056**	**.00168**	**.02978**	**.00019**	**.00808**	**.00072**
Stddev	.00011	.00207	.00416	.00065	.00123	.00190
%RSD	19.566	122.74	13.967	334.54	15.213	263.75
#1	.00048	.00315	.03272	-.00026	.00895	.00206
#2	.00064	.00022	.02684	.00065	.00721	-.00062
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**2937.7**	**43731.**	**5580.5**
Stddev	4.8	82.	22.0
%RSD	.16429	.18711	.39488
#1	2941.1	43673.	5564.9
#2	2934.3	43789.	5596.1

Sample Name: 280-28161-C-2-A Acquired: 5/2/2012 10:12:40 Type: Unk
Method: 6500_025(v2) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 117239 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00002**	**.00198**	**.00339**	**2.6863**	**.03646**	**.00007**	**-.00048**	**70.941**	**.00078**	**.01105**
Stddev	.00018	.00020	.00042	.0080	.00034	.00001	.00044	.157	.00007	.00054
%RSD	854.66	9.9357	12.292	.29966	.92249	11.862	92.004	.22109	9.6019	4.8547
#1	-.00015	.00184	.00369	2.6920	.03623	.00008	-.00079	71.052	.00073	.01143
#2	.00011	.00212	.00310	2.6806	.03670	.00006	-.00017	70.830	.00083	.01067
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00059**	**.00300**	**.31124**	**11.863**	**.04012**	**74.372**	**.34188**	**.00221**	W **615.68**	**.04516**
Stddev	.00023	.00024	.00326	.054	.00139	.236	.00072	.00003	.12	.00018
%RSD	38.667	7.9250	1.0475	.45798	3.4665	.31786	.21001	1.2349	.01915	.39088
#1	.00043	.00317	.31355	11.902	.04110	74.539	.34239	.00223	615.60	.04504
#2	.00075	.00283	.30894	11.825	.03914	74.205	.34137	.00219	615.77	.04529
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass
High Limit									500.00	
Low Limit									11.000	

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **3.5797**	**.00086**	**103.97**	**-.00131**	**.00588**	**8.4746**	**18.136**	**-.00147**	**3.5865**	**.00070**
Stddev	.0030	.00081	.19	.00169	.00480	.0219	.047	.00034	.0035	.00036
%RSD	.08489	93.621	.18246	129.54	81.667	.25837	.25837	22.859	.09783	51.495
#1	3.5819	.00029	104.10	-.00011	.00927	8.4591	18.102	-.00123	3.5890	.00096
#2	3.5776	.00143	103.83	-.00250	.00248	8.4901	18.169	-.00171	3.5841	.00045
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	2.0000									
Low Limit	-1.0000									

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00059**	**.00270**	**-.01725**	**.00423**	**.00957**	**-.00059**
Stddev	.00003	.00215	.02516	.00056	.00008	.00067
%RSD	5.9303	79.642	145.84	13.142	.83294	113.43
#1	.00061	.00118	.00054	.00462	.00952	-.00012
#2	.00056	.00422	-.03504	.00384	.00963	-.00107
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**3130.0**	**47746.**	**5694.6**
Stddev	6.3	169.	14.2
%RSD	.20062	.35470	.24951
#1	3134.4	47626.	5684.6
#2	3125.5	47866.	5704.7

Sample Name: 280-28161-C-3-A Acquired: 5/2/2012 10:15:06 Type: Unk
Method: 6500_025(v2) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 117239 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00037**	**.00725**	**.00653**	**.12118**	**3.7612**	**.00005**	**-.00015**	**165.08**	**.00058**	**-.00045**
Stddev	.00038	.00010	.00016	.00008	.0046	.00000	.00199	.01	.00002	.00005
%RSD	102.61	1.3177	2.4943	.06319	.12118	8.8627	1318.9	.00411	3.9689	11.176
#1	.00010	.00718	.00641	.12112	3.7580	.00005	-.00156	165.08	.00056	-.00042
#2	.00064	.00732	.00664	.12123	3.7644	.00005	.00125	165.09	.00060	-.00049
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00038**	**.00078**	**17.220**	**5.1039**	**.00751**	**66.101**	**.45848**	**.00023**	**86.308**	**-.00022**
Stddev	.00025	.00050	.007	.0029	.00304	.094	.00049	.00011	.144	.00020
%RSD	66.297	63.335	.04150	.05671	40.449	.14206	.10667	47.338	.16648	91.820
#1	.00056	.00043	17.225	5.1018	.00536	66.035	.45814	.00015	86.410	-.00036
#2	.00020	.00113	17.215	5.1059	.00966	66.168	.45883	.00031	86.207	-.00008
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.14470**	**.00124**	**.38455**	**-.00260**	**-.00145**	**14.862**	**31.806**	**.00035**	**1.9253**	**-.00012**
Stddev	.00236	.00024	.00398	.00137	.00226	.014	.030	.00038	.0026	.00150
%RSD	1.6324	19.355	1.0357	52.884	156.25	.09366	.09366	108.44	.13372	1256.6
#1	.14637	.00141	.38736	-.00357	-.00305	14.872	31.827	.00008	1.9235	-.00118
#2	.14303	.00107	.38173	-.00163	.00015	14.853	31.785	.00061	1.9271	.00094
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00065**	**.00389**	**-.00404**	**.00004**	**.00634**	**-.00003**
Stddev	.00027	.00185	.01178	.00001	.00027	.00219
%RSD	41.807	47.417	291.46	11.444	4.1831	7541.5
#1	.00046	.00520	.00429	.00005	.00652	.00152
#2	.00085	.00259	-.01237	.00004	.00615	-.00158
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**3243.6**	**50388.**	**5805.6**
Stddev	11.6	141.	27.9
%RSD	.35728	.27966	.48141
#1	3251.8	50488.	5785.8
#2	3235.4	50288.	5825.3

Sample Name: CCVH-1390999 Acquired: 5/2/2012 10:17:29 Type: QC
Method: 6500_025(v2) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00123**	**48.895**	**.00223**	**.00743**	**.00086**	**.00006**	W **1.0592**	**.01443**	**.00003**	**.00025**	**.00045**	**-.00324**
Stddev	.00015	.099	.00027	.00078	.00029	.00008	.0002	.00187	.00016	.00004	.00001	.00016
%RSD	11.951	.20336	12.131	10.465	33.332	125.70	.01582	12.941	610.28	15.629	1.5368	4.7830
#1	-.00134	48.825	.00242	.00798	.00066	.00012	1.0593	.01575	-.00009	.00023	.00044	-.00313
#2	-.00113	48.965	.00204	.00688	.00106	.00001	1.0590	.01311	.00014	.00028	.00045	-.00335
Check ?	None	Chk Pass	None	None	None	None	Chk Warn	None	None	None	None	None
Value							1.0000					
Range							5.0000%					

Elem	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316	P_1782	Pb2203	S_1820	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**48.728**	**.10206**	**-.00071**	**-.01387**	**.00019**	**.00044**	**255.34**	**.00119**	**.00637**	**-.00102**	W **5.2780**	**-.00373**
Stddev	.046	.00613	.00344	.00091	.00006	.00006	.03	.00035	.00189	.00047	.0050	.00112
%RSD	.09524	6.0092	483.05	6.5560	30.848	13.505	.01090	29.760	29.737	46.305	.09482	30.189
#1	48.760	.10640	-.00315	-.01451	.00023	.00048	255.36	.00144	.00770	-.00069	5.2744	-.00293
#2	48.695	.09772	.00172	-.01322	.00015	.00040	255.32	.00094	.00503	-.00136	5.2815	-.00452
Check ?	Chk Pass	None	None	None	None	None	Chk Pass	None	None	None	Chk Warn	None
Value											5.0000	
Range											5.0000%	

Elem	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00414**	**.01319**	**.02822**	**.00255**	**.00051**	**5.1522**	**.00734**	**.00096**	W **10.795**	**-.00358**	**.00178**	**-.03433**
Stddev	.00449	.00357	.00764	.00118	.00007	.0048	.00020	.00011	.002	.00045	.00081	.00099
%RSD	108.38	27.061	27.061	46.259	12.787	.09260	2.7766	11.457	.01510	12.581	45.271	2.8939
#1	.00097	.01571	.03362	.00338	.00047	5.1488	.00720	.00088	10.796	-.00326	.00235	-.03363
#2	.00731	.01066	.02282	.00171	.00056	5.1556	.00749	.00104	10.794	-.00389	.00121	-.03503
Check ?	None	None	None	None	None	Chk Pass	None	None	Chk Warn	None	None	None
Value									10.000			
Range									5.0000%			

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**3315.2**	**50689.**	**5751.6**
Stddev	10.3	56.	5.1
%RSD	.31033	.11077	.08824
#1	3308.0	50729.	5755.2
#2	3322.5	50649.	5748.0

Sample Name: CCV-1390955 Acquired: 5/2/2012 10:19:49 Type: QC
Method: 6500_025(v2) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.51472**	**.50608**	**1.0111**	**.50519**	**.51110**	**.47724**	**-.00293**	**4.7780**	**.51012**	**.50865**	**.50822**	**.52666**	**2.4441**
Stddev	.00240	.00293	.0021	.00057	.00227	.00101	.00205	.0261	.00043	.00233	.00077	.00100	.0110
%RSD	.46637	.57912	.20689	.11235	.44471	.21154	69.976	.54648	.08377	.45833	.15130	.19081	.45095
#1	.51302	.50815	1.0126	.50559	.51271	.47796	-.00148	4.7965	.50982	.51030	.50877	.52595	2.4518
#2	.51642	.50400	1.0096	.50479	.50949	.47653	-.00439	4.7595	.51043	.50701	.50768	.52737	2.4363
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**50.621**	**.99279**	**19.799**	**.50904**	**.50693**	**5.1169**	**.50497**	**.99623**	**1.0384**	**.08476**	**1.0129**	**1.0324**	**4.7046**
Stddev	.227	.00148	.039	.00099	.00020	.0363	.00091	.00436	.0029	.00216	.0008	.0009	.0049
%RSD	.44793	.14934	.19483	.19407	.03908	.70988	.18083	.43766	.28191	2.5513	.08345	.08791	.10488
#1	50.782	.99174	19.772	.50834	.50679	5.1426	.50562	.99931	1.0405	.08629	1.0135	1.0318	4.7081
#2	50.461	.99384	19.827	.50974	.50708	5.0912	.50433	.99315	1.0363	.08323	1.0123	1.0331	4.7011
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**10.068**	**1.0063**	**.50519**	**.00096**	**.49896**	**1.0358**	**.00786**	**.50594**	**.50095**	**.50092**
Stddev	.011	.0001	.00254	.00078	.00003	.0016	.00414	.00038	.00352	.00390
%RSD	.10488	.00663	.50296	81.333	.00548	.15643	52.611	.07563	.70297	.77938
#1	10.075	1.0064	.50699	.00041	.49894	1.0370	.01078	.50567	.49846	.50368
#2	10.060	1.0063	.50340	.00152	.49898	1.0347	.00494	.50621	.50344	.49816
Check ?	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value										
Range										

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**3382.7**	**52379.**	**5763.4**
Stddev	6.0	135.	9.7
%RSD	.17744	.25863	.16907
#1	3378.5	52475.	5770.3
#2	3387.0	52283.	5756.5

Sample Name: CCB Acquired: 5/2/2012 10:22:02 Type: QC
Method: 6500_025(v2) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00023**	**-.00011**	**-.00413**	**.00373**	**.00017**	**.00008**	**-.00324**	**.00111**	**.00020**	**-.00021**	**-.00007**	**-.00091**	**.00012**
Stddev	.00030	.00008	.00083	.00079	.00020	.00002	.00110	.00180	.00000	.00019	.00000	.00025	.00055
%RSD	130.95	67.456	20.150	21.060	115.12	22.810	34.022	162.74	.72112	88.935	3.5317	27.848	437.05
#1	.00043	-.00006	-.00354	.00429	.00003	.00006	-.00402	.00238	.00020	-.00035	-.00007	-.00108	-.00026
#2	.00002	-.00017	-.00472	.00318	.00032	.00009	-.00246	-.00017	.00020	-.00008	-.00006	-.00073	.00051
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit													
Low Limit													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.02309**	**.00013**	**.00158**	**.00010**	**.00121**	F **.21142**	**-.00051**	**-.00072**	**-.00036**	**.10034**	**-.00209**	**-.00126**	**-.01890**
Stddev	.01561	.00304	.00176	.00001	.00030	.01207	.00016	.00230	.00107	.00532	.00151	.00253	.00920
%RSD	67.594	2420.0	110.94	9.2609	24.478	5.7071	30.839	319.77	292.16	5.2975	72.246	200.17	48.674
#1	.01205	.00227	.00034	.00011	.00100	.20288	-.00062	.00091	.00039	.10409	-.00316	-.00305	-.02541
#2	.03413	-.00202	.00283	.00009	.00142	.21995	-.00040	-.00235	-.00112	.09658	-.00102	.00052	-.01240
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						.18320							
Low Limit						-.18320							

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.04045**	**.00205**	**.00003**	**.00289**	**.00009**	**.00095**	**-.01401**	**-.00045**	**.00269**	**.00016**
Stddev	.01969	.00044	.00002	.00029	.00004	.00005	.00659	.00007	.00062	.00021
%RSD	48.674	21.660	58.930	10.179	48.162	5.4371	47.048	15.063	23.051	137.05
#1	-.05437	.00174	.00004	.00268	.00006	.00092	-.00935	-.00040	.00225	.00031
#2	-.02653	.00236	.00002	.00309	.00012	.00099	-.01868	-.00049	.00313	.00000
Check ?	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**3377.4**	**52496.**	**5639.1**
Stddev	.7	22.	17.8
%RSD	.02056	.04214	.31601
#1	3376.9	52511.	5626.5
#2	3377.9	52480.	5651.7

Sample Name: CCVL1390952 Acquired: 5/2/2012 10:24:27 Type: QC
Method: 6500_025(v2) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01098**	**.10797**	**.01428**	**.10674**	**.01055**	**.00103**	**.11806**	**.20217**	**.00553**	**.01072**	**.01047**	**.01564**	**.10261**
Stddev	.00019	.00073	.00078	.00050	.00019	.00003	.00234	.00059	.00000	.00018	.00008	.00046	.00174
%RSD	1.7648	.67831	5.4634	.46672	1.7675	2.4459	1.9824	.28983	.01733	1.7076	.72575	2.9282	1.6909
#1	.01085	.10746	.01373	.10709	.01042	.00101	.11640	.20175	.00553	.01085	.01052	.01532	.10384
#2	.01112	.10849	.01483	.10639	.01068	.00105	.11971	.20258	.00553	.01059	.01041	.01597	.10139
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**3.2284**	**.01010**	**.21300**	**.01088**	**.02106**	**1.2235**	**.04222**	**2.9955**	**.00912**	**.06475**	F **.00687**	**.01443**	**.48876**
Stddev	.0103	.00080	.00192	.00005	.00022	.0109	.00019	.0120	.00091	.00064	.00112	.00186	.00862
%RSD	.31865	7.9598	.90183	.43040	1.0596	.88839	.44490	.39947	10.025	.98610	16.241	12.923	1.7628
#1	3.2211	.01067	.21436	.01085	.02122	1.2312	.04235	2.9871	.00976	.06429	.00766	.01575	.48267
#2	3.2356	.00953	.21165	.01092	.02091	1.2158	.04209	3.0040	.00847	.06520	.00608	.01311	.49485
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Fail	Chk Pass	Chk Pass
Value											.01000		
Range											-30.000%		

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.0459**	**.10602**	**.01059**	**.01688**	**.01057**	**.01800**	F **.09585**	**.00988**	**.02353**	**.01684**
Stddev	.0184	.00094	.00001	.00063	.00049	.00097	.03290	.00029	.00011	.00036
%RSD	1.7628	.88768	.06641	3.7196	4.6704	5.3724	34.320	2.9040	.45630	2.1161
#1	1.0329	.10535	.01060	.01644	.01022	.01731	.11911	.01008	.02345	.01709
#2	1.0590	.10668	.01059	.01732	.01092	.01868	.07259	.00968	.02361	.01658
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
Value							.06000			
Range							30.000%			

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**3478.2**	**54521.**	**5800.7**
Stddev	8.4	191.	4.1
%RSD	.24206	.35102	.07140
#1	3484.1	54657.	5797.7
#2	3472.2	54386.	5803.6

Sample Name: mb 280-117358/1-a Acquired: 5/2/2012 10:26:50 Type: Unk
Method: 6500_025(v2) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 117358 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00005**	F **.22720**	**-.00144**	**.00393**	W **.00968**	**.00008**	**-.00397**	F **70.294**	**.00027**	**.00001**
Stddev	.00028	.00032	.00441	.00023	.00015	.00004	.00303	.066	.00011	.00001
%RSD	511.76	.14200	304.92	5.8709	1.5625	55.629	76.399	.09397	42.268	146.71
#1	.00014	.22698	.00167	.00377	.00978	.00005	-.00612	70.341	.00019	.00000
#2	-.00025	.22743	-.00456	.00410	.00957	.00011	-.00183	70.248	.00035	.00002
Check ?	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass
High Limit		.10000			.00500			.20000		
Low Limit		-.10000			-.00500			-.20000		

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00033**	**.00032**	W **.06374**	**.06377**	**.00077**	F **.92944**	W **.00736**	**.00027**	F **1.0419**	**-.00035**
Stddev	.00001	.00060	.00223	.01031	.00122	.00310	.00009	.00016	.0062	.00016
%RSD	3.1197	189.99	3.4908	16.171	157.42	.33398	1.2156	60.468	.59513	44.093
#1	.00032	.00074	.06531	.05648	.00163	.93164	.00743	.00038	1.0375	-.00047
#2	.00034	-.00011	.06217	.07106	-.00009	.92725	.00730	.00015	1.0463	-.00024
Check ?	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Fail	Chk Warn	Chk Pass	Chk Fail	Chk Pass
High Limit			.03000			.10000	.00500		1.0000	
Low Limit			-.05000			-.10000	-.00500		-1.0000	

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **.00858**	**-.00042**	F **.18485**	**-.00275**	**-.00267**	F **.16464**	**.35233**	**.00318**	F **.03890**	**.00195**
Stddev	.00016	.00018	.00275	.00380	.00087	.00279	.00597	.00001	.00021	.00084
%RSD	1.8076	42.231	1.4872	138.28	32.578	1.6931	1.6931	.19482	.53410	43.261
#1	.00869	-.00055	.18291	-.00543	-.00328	.16661	.35655	.00318	.03905	.00255
#2	.00847	-.00030	.18680	-.00006	-.00205	.16267	.34811	.00319	.03875	.00135
Check ?	Chk Warn	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Fail	None	Chk Pass	Chk Fail	Chk Pass
High Limit	.00500		.01000			.01000			.01000	
Low Limit	-.00500		-.01000			-.01000			-.01000	

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00362**	**.00076**	**-.00178**	**-.00011**	W **.00852**	**.00139**
Stddev	.00014	.00048	.01431	.00008	.00049	.00046
%RSD	3.8236	63.391	805.44	75.120	5.7295	33.387
#1	.00371	.00110	.00834	-.00005	.00818	.00172
#2	.00352	.00042	-.01190	-.00017	.00887	.00106
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass
High Limit					.00500	
Low Limit					-.00500	

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**3327.3**	**51879.**	**5696.6**
Stddev	11.2	88.	2.9
%RSD	.33806	.16879	.05117
#1	3335.2	51941.	5694.5
#2	3319.3	51817.	5698.6

Sample Name: lcs 280-117358/2-a Acquired: 5/2/2012 10:29:14 Type: Unk
Method: 6500_025(v2) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 117358 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.05186**	**1.9180**	**1.0364**	**1.0165**	**2.0691**	**.04932**	**2.2102**	**48.207**	**.10310**	**.50398**
Stddev	.00024	.0032	.0031	.0014	.0052	.00002	.0024	.003	.00020	.00038
%RSD	.45692	.16811	.30092	.13487	.25283	.03594	.10825	.00663	.19726	.07476
#1	.05170	1.9157	1.0386	1.0155	2.0654	.04931	2.2086	48.204	.10324	.50371
#2	.05203	1.9203	1.0342	1.0174	2.0728	.04933	2.2119	48.209	.10295	.50425
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.20576**	**.26569**	**.98618**	**51.878**	**1.0269**	**49.415**	**.51604**	**1.0451**	**54.121**	**.50141**
Stddev	.00044	.00022	.00021	.154	.0001	.039	.00052	.0006	.019	.00058
%RSD	.21259	.08265	.02123	.29689	.00612	.07834	.09986	.05525	.03539	.11473
#1	.20545	.26585	.98633	51.769	1.0268	49.442	.51640	1.0455	54.135	.50182
#2	.20607	.26554	.98603	51.987	1.0269	49.388	.51567	1.0447	54.108	.50101
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**10.183**	**.50363**	**.07679**	**.50602**	**2.0595**	**9.8245**	F **21.025**	**2.0289**	**1.0400**	**1.0468**
Stddev	.012	.00147	.00537	.00126	.0063	.0304	.065	.0040	.0021	.0039
%RSD	.12018	.29203	6.9896	.24897	.30758	.30986	.30986	.19810	.19984	.37599
#1	10.191	.50259	.08058	.50513	2.0550	9.8030	20.978	2.0260	1.0385	1.0440
#2	10.174	.50467	.07299	.50691	2.0640	9.8461	21.071	2.0317	1.0415	1.0496
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit							24.610			
Low Limit							20.100			

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.0302**	**2.0145**	**2.2786**	**.52115**	**.49655**	**.50715**
Stddev	.0019	.0070	.0041	.00106	.00086	.00274
%RSD	.18640	.34580	.18096	.20305	.17381	.54074
#1	1.0288	2.0194	2.2757	.52190	.49594	.50521
#2	1.0315	2.0096	2.2815	.52040	.49716	.50909
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**3256.3**	**50473.**	**5660.4**
Stddev	2.8	74.	21.7
%RSD	.08446	.14715	.38347
#1	3254.3	50421.	5675.7
#2	3258.2	50526.	5645.0

Sample Name: 280-28193-h-1-a Acquired: 5/2/2012 10:31:24 Type: Unk
Method: 6500_025(v2) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 117358 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00037**	**.05643**	**-.00183**	**.88804**	**.01193**	**.00006**	**-.00608**	W **507.28**	**.00124**	**-.00027**
Stddev	.00040	.00004	.00677	.00075	.00000	.00002	.00228	1.65	.00031	.00008
%RSD	109.49	.07613	369.76	.08411	.01255	31.870	37.449	.32464	24.739	30.898
#1	.00008	.05646	.00296	.88751	.01193	.00007	-.00770	508.44	.00102	-.00033
#2	.00065	.05640	-.00662	.88857	.01192	.00005	-.00447	506.11	.00146	-.00021
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass
High Limit								500.00		
Low Limit								-.05000		

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01294**	**.00345**	**.09380**	**21.305**	**.18953**	**230.68**	**.00248**	**.03148**	**214.68**	**.00002**
Stddev	.00010	.00014	.00124	.083	.00027	.25	.00009	.00007	.28	.00034
%RSD	.79885	4.1721	1.3255	.39163	.14385	.10958	3.5073	.21842	.13093	1946.1
#1	.01302	.00355	.09292	21.364	.18973	230.50	.00255	.03153	214.48	-.00022
#2	.01287	.00334	.09468	21.246	.18934	230.86	.00242	.03143	214.88	.00026
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01439**	**-.00071**	F **789.92**	**-.00053**	**.00974**	**7.5653**	**16.190**	**.00022**	W **10.402**	**-.00042**
Stddev	.00326	.00079	.83	.00162	.00306	.0436	.093	.00164	.189	.00034
%RSD	22.679	111.38	.10466	308.27	31.450	.57666	.57666	748.02	1.8149	80.953
#1	.01208	-.00127	790.50	.00062	.00757	7.5961	16.256	.00138	10.535	-.00067
#2	.01670	-.00015	789.33	-.00167	.01191	7.5344	16.124	-.00094	10.268	-.00018
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass
High Limit			200.00						5.0000	
Low Limit			-.20000						-.01000	

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00198**	**.00387**	**-.00161**	**.00208**	**.00391**	**-.00106**
Stddev	.00002	.00185	.00220	.00003	.00062	.00044
%RSD	1.1662	47.738	136.56	1.4271	15.720	41.917
#1	.00196	.00256	-.00006	.00206	.00348	-.00074
#2	.00200	.00517	-.00317	.00211	.00435	-.00137
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**2958.5**	**46068.**	**5544.4**
Stddev	3.2	109.	20.9
%RSD	.10973	.23692	.37671
#1	2956.2	46145.	5559.2
#2	2960.8	45990.	5529.6

Sample Name: 280-28193-h-1-aSD@5 Acquired: 5/2/2012 10:34:03 Type: Unk
Method: 6500_025(v2) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 117358 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00031**	**.01406**	**-.00410**	**.18481**	**.00242**	**.00011**	**.00046**	**106.56**	**.00054**	**-.00024**
Stddev	.00028	.00012	.00070	.00071	.00058	.00003	.00339	.71	.00005	.00026
%RSD	90.038	.85211	17.126	.38605	24.064	32.672	728.36	.66632	9.5936	105.29
#1	-.00011	.01398	-.00360	.18430	.00201	.00013	-.00193	106.06	.00050	-.00042
#2	-.00050	.01415	-.00460	.18531	.00283	.00008	.00286	107.07	.00058	-.00006
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00262**	**.00050**	**.08078**	**4.2281**	**.03873**	**46.086**	**.00114**	**.00581**	**42.927**	**-.00012**
Stddev	.00002	.00010	.00225	.0074	.00037	.038	.00003	.00017	.164	.00002
%RSD	.62052	20.862	2.7874	.17433	.94499	.08324	2.3800	2.8897	.38092	16.722
#1	.00260	.00058	.08237	4.2229	.03847	46.113	.00116	.00593	42.812	-.00014
#2	.00263	.00043	.07919	4.2333	.03899	46.058	.00112	.00569	43.043	-.00011
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00396**	**.00021**	**161.03**	**-.00189**	**.00174**	**1.4753**	**3.1570**	**.00037**	**2.0848**	**-.00050**
Stddev	.00038	.00051	.09	.00035	.00083	.0066	.0141	.00122	.0122	.00207
%RSD	9.5397	245.38	.05283	18.424	47.966	.44695	.44695	332.83	.58571	413.54
#1	.00370	.00057	161.09	-.00164	.00115	1.4799	3.1670	.00123	2.0762	.00096
#2	.00423	-.00015	160.97	-.00213	.00233	1.4706	3.1471	-.00050	2.0934	-.00197
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00036**	**.00063**	**.02613**	**.00043**	**.00420**	**.00107**
Stddev	.00046	.00176	.00288	.00002	.00013	.00034
%RSD	127.26	280.70	11.003	5.0090	3.1620	31.861
#1	.00004	.00187	.02410	.00045	.00430	.00083
#2	.00068	-.00062	.02817	.00042	.00411	.00132
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**3236.1**	**50378.**	**5549.4**
Stddev	6.6	120.	33.7
%RSD	.20256	.23849	.60781
#1	3240.7	50463.	5573.2
#2	3231.5	50293.	5525.5

Sample Name: 280-28193-a-1-a ms Acquired: 5/2/2012 10:36:26 Type: Unk
Method: 6500_025(v2) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 117358 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.05451**	**1.9223**	**1.1015**	**1.8605**	**2.0839**	**.04753**	F **2.2180**	W **537.89**	**.10741**	**.48753**
Stddev	.00033	.0022	.0049	.0010	.0008	.00036	.0028	.85	.00001	.00018
%RSD	.60379	.11325	.44502	.05151	.04032	.75192	.12708	.15777	.00654	.03665
#1	.05428	1.9207	1.0981	1.8612	2.0845	.04728	2.2200	537.29	.10740	.48740
#2	.05474	1.9238	1.1050	1.8599	2.0833	.04778	2.2160	538.49	.10741	.48766
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Warn	Chk Pass	Chk Pass
High Limit							.10000	500.00		
Low Limit							-.10000	-.05000		

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.21692**	**.27242**	**1.0707**	**74.171**	**1.2433**	**268.70**	**.50850**	**1.0758**	**262.41**	**.48178**
Stddev	.00047	.00122	.0036	.049	.0004	2.26	.00135	.0011	1.16	.00002
%RSD	.21437	.44815	.33621	.06587	.02948	.83943	.26504	.10538	.44048	.00411
#1	.21725	.27155	1.0733	74.136	1.2436	270.30	.50754	1.0766	263.23	.48176
#2	.21659	.27328	1.0682	74.206	1.2430	267.11	.50945	1.0750	261.59	.48179
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **10.888**	**.47304**	F **774.20**	**.52057**	**2.2201**	**17.454**	**37.352**	**1.9556**	W **11.011**	**1.0416**
Stddev	.007	.00271	.32	.00088	.0091	.037	.080	.0092	.013	.0019
%RSD	.06387	.57316	.04114	.16984	.40825	.21351	.21351	.47001	.11354	.18065
#1	10.883	.47496	773.97	.51995	2.2137	17.480	37.408	1.9491	11.002	1.0402
#2	10.893	.47112	774.42	.52120	2.2265	17.428	37.295	1.9621	11.020	1.0429
Check ?	Chk Warn	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass
High Limit	2.0000		200.00						5.0000	
Low Limit	-1.0000		-.20000						-.01000	

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.0253**	**1.8074**	**2.2494**	**.52425**	**.47764**	**.50132**
Stddev	.0014	.0018	.0157	.00120	.00047	.00137
%RSD	.13359	.09798	.69815	.22978	.09837	.27251
#1	1.0243	1.8087	2.2383	.52340	.47731	.50229
#2	1.0262	1.8061	2.2605	.52511	.47798	.50035
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**2923.2**	**45917.**	**5457.2**
Stddev	3.2	67.	30.5
%RSD	.11038	.14507	.55852
#1	2925.5	45870.	5435.6
#2	2921.0	45964.	5478.7

Sample Name: 280-28193-a-1-b msd Acquired: 5/2/2012 10:38:54 Type: Unk
Method: 6500_025(v2) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 117358 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.05584**	**1.9346**	**1.1167**	**1.8740**	**2.1138**	**.04792**	F **2.2412**	W **546.14**	**.10815**	**.49191**
Stddev	.00081	.0015	.0036	.0056	.0040	.00009	.0018	.78	.00005	.00054
%RSD	1.4429	.07907	.32446	.29938	.18768	.19709	.08142	.14308	.04354	.11032
#1	.05527	1.9335	1.1192	1.8700	2.1166	.04785	2.2399	546.69	.10812	.49153
#2	.05641	1.9357	1.1141	1.8780	2.1110	.04799	2.2425	545.58	.10818	.49230
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Warn	Chk Pass	Chk Pass
High Limit							.10000	500.00		
Low Limit							-.10000	-.05000		

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.21890**	**.27832**	**1.0885**	**75.357**	**1.2554**	**273.94**	**.51775**	**1.0791**	**266.10**	**.48631**
Stddev	.00008	.00056	.0018	.130	.0018	.85	.00007	.0030	.91	.00059
%RSD	.03595	.20088	.16390	.17293	.14017	.30929	.01345	.27585	.34082	.12101
#1	.21884	.27793	1.0897	75.449	1.2567	273.35	.51780	1.0770	266.74	.48589
#2	.21895	.27872	1.0872	75.265	1.2542	274.54	.51770	1.0812	265.46	.48672
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **11.005**	**.47834**	F **781.29**	**.52614**	**2.2434**	**17.595**	**37.654**	**1.9612**	W **11.224**	**1.0598**
Stddev	.006	.00288	.12	.00182	.0026	.062	.132	.0008	.006	.0025
%RSD	.05789	.60290	.01483	.34547	.11572	.35092	.35092	.03851	.05360	.23915
#1	11.000	.47630	781.21	.52742	2.2415	17.551	37.560	1.9607	11.220	1.0580
#2	11.009	.48038	781.38	.52485	2.2452	17.639	37.747	1.9618	11.228	1.0616
Check ?	Chk Warn	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass
High Limit	2.0000		200.00						5.0000	
Low Limit	-1.0000		-.20000						-.01000	

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.0305**	**1.8240**	**2.2940**	**.52999**	**.48595**	**.50682**
Stddev	.0035	.0021	.0080	.00118	.00217	.00027
%RSD	.34288	.11738	.34701	.22192	.44757	.05279
#1	1.0280	1.8224	2.2996	.52916	.48441	.50701
#2	1.0330	1.8255	2.2884	.53082	.48749	.50663
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**2924.8**	**45712.**	**5473.8**
Stddev	.9	61.	2.1
%RSD	.03176	.13238	.03851
#1	2925.5	45754.	5475.3
#2	2924.1	45669.	5472.3

Sample Name: CCVH-1390999 Acquired: 5/2/2012 10:41:21 Type: QC
Method: 6500_025(v2) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00146**	**49.653**	**.00209**	**.00597**	**.00060**	**.00008**	W **1.0650**	**.05058**	**.00018**	**.00031**	**.00057**	**-.00296**
Stddev	.00025	.133	.00090	.00088	.00018	.00006	.0011	.00512	.00014	.00002	.00000	.00010
%RSD	17.399	.26829	42.960	14.777	29.535	80.907	.10362	10.120	80.444	6.8545	.45064	3.2630
#1	-.00164	49.559	.00145	.00660	.00047	.00012	1.0658	.05420	.00008	.00030	.00057	-.00289
#2	-.00128	49.747	.00272	.00535	.00072	.00003	1.0642	.04696	.00028	.00033	.00056	-.00303
Check ?	None	Chk Pass	None	None	None	None	Chk Warn	None	None	None	None	None
Value							1.0000					
Range							5.0000%					

Elem	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316	P_1782	Pb2203	S_1820	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**49.276**	**.10136**	**.00053**	**-.01103**	**.00024**	**.00176**	**259.44**	**.00120**	**.00191**	**.00011**	W **5.2786**	**-.00181**
Stddev	.026	.01173	.00063	.00481	.00003	.00026	.66	.00028	.00279	.00111	.0103	.00050
%RSD	.05191	11.575	119.58	43.603	13.042	14.646	.25438	23.082	145.84	1029.7	.19496	27.572
#1	49.258	.10966	.00008	-.00763	.00026	.00158	258.98	.00101	-.00006	.00090	5.2713	-.00216
#2	49.294	.09307	.00098	-.01443	.00022	.00194	259.91	.00140	.00388	-.00068	5.2859	-.00146
Check ?	Chk Pass	None	None	None	None	None	Chk Pass	None	None	None	Chk Warn	None
Value											5.0000	
Range											5.0000%	

Elem	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00797**	**.00313**	**.00670**	**.00258**	**.00109**	**5.2093**	**.00732**	**.00240**	W **10.862**	**-.00395**	**.00209**	**-.03814**
Stddev	.00379	.00337	.00721	.00078	.00005	.0067	.00010	.00002	.005	.00007	.00031	.00198
%RSD	47.552	107.62	107.62	30.286	4.5086	.12835	1.3584	1.0221	.04432	1.6956	14.944	5.1941
#1	.01065	.00075	.00160	.00314	.00106	5.2045	.00725	.00238	10.865	-.00390	.00231	-.03674
#2	.00529	.00551	.01179	.00203	.00113	5.2140	.00739	.00242	10.859	-.00399	.00187	-.03954
Check ?	None	None	None	None	None	Chk Pass	None	None	Chk Warn	None	None	None
Value									10.000			
Range									5.0000%			

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**3296.8**	**50561.**	**5676.1**
Stddev	.4	113.	26.1
%RSD	.01074	.22405	.45972
#1	3296.6	50641.	5694.6
#2	3297.1	50481.	5657.7

Sample Name: CCV-1390955 Acquired: 5/2/2012 10:43:41 Type: QC
Method: 6500_025(v2) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.51021**	**.49825**	**1.0050**	**.50086**	**.50770**	**.47477**	**-.00109**	**4.7745**	**.51027**	**.50554**	**.50707**	**.52436**	**2.4305**
Stddev	.00018	.00105	.0089	.00096	.00146	.00023	.00415	.0020	.00018	.00109	.00045	.00087	.0050
%RSD	.03583	.21172	.88144	.19185	.28680	.04789	380.83	.04113	.03545	.21637	.08959	.16659	.20725
#1	.51008	.49750	1.0113	.50154	.50873	.47493	.00184	4.7759	.51014	.50631	.50675	.52374	2.4340
#2	.51034	.49899	.99876	.50018	.50667	.47461	-.00402	4.7731	.51040	.50477	.50739	.52497	2.4269
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**50.452**	**.99960**	**19.534**	**.50419**	**.50673**	**5.0434**	**.50326**	**.97665**	**1.0308**	**.06231**	**1.0016**	**1.0251**	**4.7027**
Stddev	.138	.00510	.075	.00044	.00158	.0171	.00005	.00140	.0005	.00651	.0010	.0015	.0026
%RSD	.27398	.51010	.38386	.08665	.31205	.33877	.00996	.14318	.04556	10.454	.09784	.14915	.05598
#1	50.550	1.0032	19.587	.50450	.50785	5.0555	.50322	.97566	1.0304	.06691	1.0009	1.0240	4.7008
#2	50.355	.99599	19.481	.50389	.50562	5.0313	.50329	.97764	1.0311	.05770	1.0023	1.0262	4.7046
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**10.064**	**.99990**	**.50085**	**.00004**	**.49627**	**1.0280**	**.03751**	**.50232**	**.49660**	**.49902**
Stddev	.006	.00570	.00089	.00135	.00040	.0017	.00742	.00090	.00142	.00077
%RSD	.05598	.56999	.17751	3394.0	.08059	.16731	19.789	.17992	.28605	.15519
#1	10.060	1.0039	.50148	-.00092	.49599	1.0292	.04276	.50296	.49560	.49848
#2	10.068	.99587	.50022	.00100	.49655	1.0267	.03226	.50168	.49761	.49957
Check ?	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value										
Range										

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**3369.9**	**52151.**	**5718.8**
Stddev	4.6	62.	.6
%RSD	.13575	.11930	.01053
#1	3366.7	52195.	5718.4
#2	3373.2	52107.	5719.3

Sample Name: CCB Acquired: 5/2/2012 10:45:55 Type: QC
Method: 6500_025(v2) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00013**	**.00034**	**-.00242**	**.00244**	**.00004**	**.00006**	**-.00287**	**.00685**	**.00025**	**-.00015**	**.00009**	**-.00101**
Stddev	.00014	.00014	.00425	.00020	.00008	.00001	.00148	.00030	.00005	.00005	.00002	.00005
%RSD	107.28	42.827	175.45	8.1525	197.32	10.069	51.612	4.3219	19.421	35.057	23.469	4.6301
#1	-.00024	.00024	.00058	.00258	-.00002	.00006	-.00392	.00706	.00028	-.00011	.00011	-.00098
#2	-.00003	.00044	-.00542	.00230	.00010	.00006	-.00182	.00664	.00021	-.00019	.00008	-.00104
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit												
Low Limit												

Elem	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00049**	**.06191**	W **.00308**	**.00289**	**.00005**	**.00085**	W **.14063**	**-.00054**	**.00006**	**-.00090**	**.07026**	**-.00169**
Stddev	.00085	.04661	.00039	.00056	.00004	.00022	.01945	.00027	.00079	.00086	.00771	.00014
%RSD	174.66	75.281	12.554	19.561	81.073	25.993	13.834	49.185	1267.2	96.447	10.968	8.4741
#1	-.00011	.02896	.00335	.00249	.00008	.00069	.12687	-.00035	-.00050	-.00029	.07571	-.00179
#2	.00109	.09487	.00281	.00329	.00002	.00100	.15438	-.00073	.00062	-.00151	.06481	-.00159
Check ?	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit			.00261				.09160					
Low Limit			-.00261				-.09160					

Elem	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00036**	**-.01888**	**-.04041**	**.00147**	**.00009**	**.00050**	**.00013**	**.00113**	**.00787**	**-.00049**	**.00209**	**.00023**
Stddev	.00181	.00271	.00580	.00027	.00014	.00081	.00006	.00376	.02430	.00043	.00015	.00185
%RSD	499.48	14.347	14.347	18.494	146.19	161.24	50.236	331.88	308.67	87.840	7.4087	799.09
#1	-.00164	-.01697	-.03631	.00167	.00000	-.00007	.00018	.00379	.02505	-.00080	.00220	-.00108
#2	.00092	-.02080	-.04451	.00128	.00019	.00108	.00008	-.00153	-.00931	-.00019	.00198	.00154
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit												
Low Limit												

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**3373.8**	**53012.**	**5632.5**
Stddev	4.7	112.	57.5
%RSD	.13992	.21062	1.0200
#1	3377.1	53091.	5673.1
#2	3370.5	52933.	5591.9

Sample Name: CCVL1390952 Acquired: 5/2/2012 10:48:21 Type: QC
Method: 6500_025(v2) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01113**	**.10591**	**.01149**	**.10389**	**.01076**	**.00104**	**.12200**	**.20549**	**.00530**	**.01051**	**.01070**	**.01557**	**.10096**
Stddev	.00023	.00084	.00227	.00097	.00022	.00004	.00284	.00048	.00014	.00002	.00016	.00009	.00017
%RSD	2.0426	.79681	19.773	.93499	2.0004	3.8689	2.3313	.23296	2.6769	.21929	1.4567	.58397	.16430
#1	.01097	.10651	.00988	.10458	.01091	.00101	.11999	.20583	.00540	.01050	.01059	.01551	.10085
#2	.01129	.10531	.01309	.10321	.01061	.00107	.12401	.20515	.00520	.01053	.01081	.01563	.10108
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**3.2395**	**.00997**	**.21429**	**.01088**	**.02107**	**1.1677**	**.04219**	**2.9562**	**.00996**	**.04718**	F **.00478**	**.01592**	**.47581**
Stddev	.0292	.00062	.00006	.00004	.00017	.0050	.00039	.0034	.00023	.00673	.00232	.00648	.00916
%RSD	.90269	6.2560	.02850	.41157	.82969	.43131	.93103	.11501	2.3221	14.267	48.556	40.717	1.9244
#1	3.2188	.00953	.21425	.01085	.02095	1.1642	.04247	2.9586	.00980	.05194	.00314	.01134	.46933
#2	3.2601	.01041	.21434	.01091	.02120	1.1713	.04191	2.9538	.01013	.04242	.00642	.02050	.48228
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Fail	Chk Pass	Chk Pass
Value											.01000		
Range											-30.000%		

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.0182**	**.10761**	**.01059**	**.01629**	**.01044**	**.01797**	F **.09101**	**.00982**	**.02402**	**.01478**
Stddev	.0196	.00052	.00009	.00108	.00029	.00063	.02042	.00010	.00048	.00104
%RSD	1.9244	.48542	.82539	6.6561	2.7311	3.5115	22.439	.99101	2.0050	7.0536
#1	1.0044	.10798	.01065	.01553	.01064	.01752	.10545	.00975	.02368	.01405
#2	1.0321	.10724	.01053	.01706	.01024	.01841	.07657	.00989	.02436	.01552
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
Value							.06000			
Range							30.000%			

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**3471.1**	**53877.**	**5770.4**
Stddev	3.0	25.	25.8
%RSD	.08555	.04671	.44717
#1	3473.2	53859.	5752.1
#2	3469.0	53894.	5788.6

Sample Name: 280-28193-a-2-a Acquired: 5/2/2012 10:50:45 Type: Unk
Method: 6500_025(v2) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 117358 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00011**	**.08457**	**-.00049**	**.57030**	**.01546**	**.00006**	**-.00371**	**462.69**	**.00130**	**.00055**
Stddev	.00021	.00090	.00112	.00096	.00016	.00004	.00085	4.15	.00029	.00021
%RSD	188.52	1.0697	227.01	.16911	1.0447	70.343	22.812	.89680	22.175	37.585
#1	-.00004	.08521	-.00129	.56962	.01557	.00009	-.00312	465.62	.00150	.00069
#2	.00026	.08393	.00030	.57099	.01534	.00003	-.00431	459.75	.00109	.00040
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01314**	**.01348**	**.19230**	**18.090**	**.18097**	**193.03**	**.01539**	**.04120**	**185.19**	**.00457**
Stddev	.00036	.00028	.00195	.078	.00031	1.53	.00022	.00021	.14	.00013
%RSD	2.7338	2.0741	1.0124	.43215	.17326	.79483	1.4195	.51267	.07337	2.8395
#1	.01289	.01367	.19092	18.145	.18075	191.94	.01524	.04135	185.29	.00466
#2	.01340	.01328	.19367	18.035	.18120	194.11	.01555	.04105	185.09	.00448
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.02350**	**.00003**	F **720.08**	**.00029**	**.00844**	**9.7483**	**20.861**	**.00121**	W **11.146**	**-.00143**
Stddev	.00064	.00087	1.10	.00189	.00226	.0005	.001	.00032	.053	.00084
%RSD	2.7271	3142.4	.15318	642.59	26.735	.00481	.00481	26.609	.47825	58.459
#1	.02395	.00064	719.30	.00163	.01003	9.7486	20.862	.00098	11.184	-.00203
#2	.02305	-.00059	720.86	-.00104	.00684	9.7480	20.861	.00144	11.109	-.00084
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass
High Limit			200.00						5.0000	
Low Limit			-.20000						-.01000	

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00224**	**.00192**	**.02433**	**.00214**	**.00648**	**.00048**
Stddev	.00008	.00137	.00083	.00026	.00031	.00119
%RSD	3.3688	71.493	3.4006	12.216	4.7193	248.05
#1	.00219	.00095	.02491	.00195	.00626	.00132
#2	.00230	.00289	.02374	.00232	.00669	-.00036
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**2998.4**	**46832.**	**5557.4**
Stddev	2.5	358.	53.1
%RSD	.08229	.76388	.95619
#1	3000.2	47085.	5519.8
#2	2996.7	46579.	5595.0

Sample Name: 280-28193-a-3-a Acquired: 5/2/2012 10:53:24 Type: Unk
Method: 6500_025(v2) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 117358 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00002**	**.30334**	**-.00094**	**.77794**	**.02377**	**.00010**	**-.00623**	W **601.02**	**.00131**	**.00017**
Stddev	.00012	.00131	.00055	.00060	.00013	.00006	.00205	11.47	.00002	.00028
%RSD	591.55	.43172	58.832	.07698	.52800	65.659	32.927	1.9077	1.5351	161.91
#1	-.00007	.30426	-.00133	.77752	.02386	.00014	-.00478	592.91	.00133	-.00002
#2	.00011	.30241	-.00055	.77836	.02368	.00005	-.00768	609.13	.00130	.00037
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass
High Limit								500.00		
Low Limit								-.05000		

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01429**	**.00537**	**.11709**	**19.194**	**.19183**	**215.40**	**.01060**	**.03621**	**192.37**	**.00102**
Stddev	.00026	.00015	.00461	.015	.00088	.83	.00006	.00045	.39	.00007
%RSD	1.7963	2.7572	3.9415	.07788	.45843	.38673	.57785	1.2458	.20021	7.1175
#1	.01447	.00547	.12035	19.183	.19245	215.99	.01065	.03589	192.64	.00107
#2	.01411	.00526	.11382	19.204	.19121	214.81	.01056	.03653	192.10	.00097
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01837**	**-.00113**	F **764.91**	**-.00519**	**.00456**	**8.0338**	**17.192**	**.00149**	W **11.930**	**-.00011**
Stddev	.00231	.00246	.53	.00206	.00064	.0207	.044	.00028	.030	.00319
%RSD	12.590	217.74	.06872	39.761	14.080	.25778	.25778	18.688	.24926	2792.9
#1	.01673	-.00287	764.53	-.00665	.00411	8.0191	17.161	.00168	11.909	.00214
#2	.02000	.00061	765.28	-.00373	.00501	8.0484	17.224	.00129	11.951	-.00237
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass
High Limit			200.00						5.0000	
Low Limit			-.20000						-.01000	

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00427**	**.00109**	**.01378**	**.00199**	**.00961**	**.00111**
Stddev	.00018	.00009	.00859	.00047	.00007	.00260
%RSD	4.3218	7.9811	62.367	23.759	.74561	233.16
#1	.00440	.00102	.00770	.00166	.00956	.00295
#2	.00414	.00115	.01986	.00233	.00966	-.00072
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**2953.7**	**46016.**	**5517.7**
Stddev	9.2	82.	32.0
%RSD	.31206	.17884	.58056
#1	2947.2	45957.	5540.4
#2	2960.2	46074.	5495.1

Sample Name: 280-28193-a-4-a Acquired: 5/2/2012 10:56:03 Type: Unk
Method: 6500_025(v2) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 117358 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00012**	**.00397**	**-.00499**	**3.7186**	**.04045**	**.00008**	**-.00411**	W **519.68**	**.00117**	**-.00047**
Stddev	.00028	.00089	.00183	.0068	.00020	.00003	.00148	2.28	.00014	.00033
%RSD	223.79	22.432	36.744	.18283	.48477	39.886	36.043	.43885	11.916	70.392
#1	-.00007	.00334	-.00629	3.7234	.04032	.00006	-.00306	521.29	.00127	-.00024
#2	.00032	.00460	-.00370	3.7138	.04059	.00010	-.00515	518.07	.00108	-.00070
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass
High Limit								500.00		
Low Limit								-.05000		

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00098**	**.00051**	**.03435**	**56.152**	**.56481**	**263.75**	**.29331**	**.00049**	**327.66**	**-.00134**
Stddev	.00008	.00050	.00126	.244	.00054	1.16	.00004	.00014	.88	.00008
%RSD	8.6670	98.173	3.6578	.43435	.09560	.43987	.01423	27.855	.26736	5.9106
#1	.00092	.00086	.03346	56.324	.56519	264.57	.29328	.00039	328.28	-.00128
#2	.00104	.00015	.03524	55.979	.56443	262.93	.29334	.00058	327.04	-.00139
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.18592**	**-.00016**	F **786.49**	**.00290**	**.00643**	**8.2125**	**17.575**	**.00179**	W **10.518**	**-.00093**
Stddev	.00042	.00137	1.43	.00305	.00198	.0222	.048	.00086	.112	.00313
%RSD	.22396	835.44	.18122	105.28	30.865	.27085	.27085	47.842	1.0618	338.27
#1	.18563	.00081	787.50	.00074	.00783	8.2282	17.608	.00239	10.439	.00129
#2	.18622	-.00113	785.48	.00505	.00502	8.1968	17.541	.00118	10.597	-.00314
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass
High Limit			200.00						5.0000	
Low Limit			-.20000						-.01000	

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00050**	**.00212**	**.00830**	**.00080**	**.00785**	**-.00002**
Stddev	.00004	.00202	.00825	.00026	.00034	.00006
%RSD	8.2634	95.261	99.364	31.955	4.3587	283.50
#1	.00053	.00355	.01414	.00099	.00809	-.00006
#2	.00047	.00069	.00247	.00062	.00760	.00002
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**2952.6**	**45637.**	**5522.7**
Stddev	9.5	26.	4.7
%RSD	.32188	.05592	.08547
#1	2945.9	45619.	5519.4
#2	2959.3	45655.	5526.1

Sample Name: 280-28193-a-6-a Acquired: 5/2/2012 10:58:47 Type: Unk
Method: 6500_025(v2) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 117358 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00015**	**.01855**	**.00431**	W **11.299**	**.04893**	**.00001**	**-.00312**	W **530.50**	**.00099**	**-.00058**
Stddev	.00037	.00060	.00374	.008	.00038	.00000	.00281	1.08	.00016	.00011
%RSD	250.35	3.2185	86.926	.07038	.78311	31.995	89.849	.20448	16.470	18.781
#1	-.00011	.01813	.00695	11.293	.04866	.00001	-.00511	531.26	.00087	-.00050
#2	.00041	.01898	.00166	11.304	.04920	.00002	-.00114	529.73	.00110	-.00065
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass
High Limit				10.000				500.00		
Low Limit				-.01000				-.05000		

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00129**	**.00144**	**.03612**	**83.865**	W **2.7109**	**103.15**	**.34969**	**.07135**	W **2187.4**	**.00182**
Stddev	.00019	.00024	.00107	.035	.0051	.23	.00088	.00022	5.6	.00056
%RSD	15.045	16.454	2.9634	.04150	.18862	.22576	.25121	.31484	.25488	30.877
#1	.00115	.00161	.03687	83.840	2.7145	102.99	.34907	.07120	2191.3	.00222
#2	.00143	.00127	.03536	83.890	2.7073	103.32	.35031	.07151	2183.5	.00142
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass
High Limit					2.0000				500.00	
Low Limit					-.01000				11.000	

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.11530**	**-.00031**	F **1206.8**	**.01196**	**.00829**	**6.1572**	**13.176**	**.00051**	W **10.854**	**-.00093**
Stddev	.00045	.00082	1.4	.00035	.00149	.0055	.012	.00199	.013	.00122
%RSD	.39199	264.55	.11855	2.9365	17.933	.08868	.08868	393.65	.11566	131.03
#1	.11562	-.00088	1207.8	.01171	.00724	6.1611	13.185	.00191	10.846	-.00007
#2	.11498	.00027	1205.8	.01221	.00935	6.1533	13.168	-.00090	10.863	-.00180
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass
High Limit			200.00						5.0000	
Low Limit			-.20000						-.01000	

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00179**	**.00119**	**-.00194**	**.00017**	**.01060**	**-.00108**
Stddev	.00004	.00006	.01104	.00044	.00027	.00076
%RSD	2.1426	5.0377	568.61	266.08	2.5403	69.889
#1	.00176	.00124	.00586	.00048	.01041	-.00162
#2	.00182	.00115	-.00975	-.00015	.01080	-.00055
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**2794.3**	**42391.**	**5402.4**
Stddev	5.4	118.	51.5
%RSD	.19423	.27727	.95262
#1	2790.5	42474.	5366.0
#2	2798.1	42307.	5438.8

Sample Name: 280-28193-a-7-a Acquired: 5/2/2012 11:01:26 Type: Unk
Method: 6500_025(v2) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 117358 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00024**	**.00428**	**-.00313**	W **14.333**	**.02301**	**.00011**	**-.00447**	W **501.02**	**.00110**	**-.00040**
Stddev	.00031	.00052	.00502	.032	.00004	.00003	.00290	9.62	.00001	.00035
%RSD	128.70	12.054	160.42	.22099	.18117	29.959	65.027	1.9210	1.0122	88.207
#1	-.00046	.00392	-.00668	14.311	.02298	.00013	-.00241	494.22	.00109	-.00065
#2	-.00002	.00465	.00042	14.355	.02304	.00009	-.00652	507.83	.00110	-.00015
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass
High Limit				10.000				500.00		
Low Limit				-.01000				-.05000		

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00067**	**.00114**	**.03352**	**66.060**	W **2.7849**	**252.03**	**1.0333**	**.02399**	W **2008.2**	**-.00097**
Stddev	.00009	.00034	.00040	.290	.0146	.57	.0029	.00054	10.7	.00012
%RSD	13.902	29.792	1.1927	.43889	.52572	.22682	.28508	2.2608	.53422	12.816
#1	.00060	.00138	.03380	65.855	2.7745	252.43	1.0353	.02361	2000.6	-.00089
#2	.00074	.00090	.03324	66.265	2.7952	251.63	1.0312	.02438	2015.8	-.00106
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass
High Limit					2.0000				500.00	
Low Limit					-.01000				11.000	

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.08877**	**-.00041**	F **1279.4**	**-.00101**	**.00633**	**8.6437**	**18.498**	**-.00001**	W **10.590**	**.00229**
Stddev	.00755	.00092	2.8	.00137	.00353	.0717	.153	.00054	.177	.00007
%RSD	8.5042	223.74	.21760	136.13	55.742	.82917	.82917	5549.3	1.6742	2.8805
#1	.08343	.00024	1277.4	-.00198	.00383	8.5931	18.389	-.00039	10.464	.00225
#2	.09411	-.00106	1281.4	-.00004	.00882	8.6944	18.606	.00037	10.715	.00234
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass
High Limit			200.00						5.0000	
Low Limit			-.20000						-.01000	

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00044**	**.00273**	**-.01949**	**.00015**	**.00791**	**.00035**
Stddev	.00009	.00012	.02543	.00002	.00111	.00155
%RSD	19.636	4.5509	130.47	13.257	14.058	443.43
#1	.00051	.00282	-.03748	.00016	.00712	.00145
#2	.00038	.00264	-.00151	.00013	.00869	-.00075
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**2759.4**	**41860.**	**5344.6**
Stddev	2.5	56.	37.8
%RSD	.09062	.13339	.70783
#1	2761.2	41900.	5371.3
#2	2757.7	41821.	5317.8

Sample Name: 280-28193-a-8-a Acquired: 5/2/2012 11:04:10 Type: Unk
Method: 6500_025(v2) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 117358 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00054**	**.01771**	**-.00351**	**.90903**	**.01084**	**.00008**	**-.00844**	W **525.77**	**.00118**	**-.00003**
Stddev	.00021	.00031	.00157	.00605	.00015	.00011	.00283	3.74	.00011	.00002
%RSD	38.586	1.7635	44.815	.66568	1.4215	145.45	33.545	.71139	9.0274	80.521
#1	.00068	.01749	-.00240	.91331	.01095	.00000	-.00644	528.41	.00110	-.00004
#2	.00039	.01793	-.00462	.90475	.01073	.00016	-.01045	523.12	.00125	-.00001
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass
High Limit								500.00		
Low Limit								-.05000		

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.02164**	**.01518**	**.10537**	**21.528**	**.26084**	**217.80**	**.00156**	**.03112**	**248.02**	**.00153**
Stddev	.00070	.00011	.00224	.090	.00424	1.69	.00003	.00001	1.43	.00026
%RSD	3.2169	.71765	2.1230	.41771	1.6258	.77774	2.0528	.03324	.57548	17.236
#1	.02115	.01511	.10695	21.592	.26384	219.00	.00154	.03111	249.02	.00172
#2	.02213	.01526	.10379	21.464	.25784	216.61	.00158	.03113	247.01	.00135
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00767**	**-.00047**	F **781.11**	**-.00062**	**.00850**	**10.679**	**22.852**	**.00065**	W **11.811**	**-.00022**
Stddev	.00098	.00021	2.80	.00086	.00073	.078	.166	.00055	.075	.00006
%RSD	12.722	44.680	.35863	138.89	8.5579	.72660	.72660	85.230	.63398	26.694
#1	.00698	-.00062	783.09	-.00123	.00798	10.734	22.970	.00026	11.864	-.00017
#2	.00836	-.00032	779.13	-.00001	.00901	10.624	22.735	.00104	11.758	-.00026
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass
High Limit			200.00						5.0000	
Low Limit			-.20000						-.01000	

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00087**	**.00002**	**.00431**	**.00208**	**.00438**	**.00083**
Stddev	.00008	.00020	.01411	.00005	.00032	.00022
%RSD	9.0805	1328.6	327.36	2.3525	7.3236	26.376
#1	.00081	.00016	-.00567	.00211	.00416	.00067
#2	.00092	-.00013	.01429	.00204	.00461	.00098
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**2968.9**	**45940.**	**5473.1**
Stddev	2.0	180.	28.7
%RSD	.06891	.39246	.52502
#1	2967.5	45813.	5452.8
#2	2970.4	46068.	5493.5

Sample Name: 280-28193-a-9-a Acquired: 5/2/2012 11:06:49 Type: Unk
Method: 6500_025(v2) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 117358 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00004**	**-.00129**	**.00378**	W **23.643**	**.01734**	**.00007**	**-.00251**	W **512.86**	**.00117**	**-.00038**
Stddev	.00018	.00063	.00191	.037	.00014	.00003	.00069	4.28	.00011	.00011
%RSD	468.05	48.928	50.666	.15444	.81935	38.382	27.566	.83367	9.7584	28.826
#1	-.00009	-.00174	.00513	23.617	.01744	.00005	-.00202	515.88	.00109	-.00030
#2	.00017	-.00084	.00242	23.669	.01724	.00008	-.00299	509.83	.00125	-.00045
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass
High Limit				10.000				500.00		
Low Limit				-.01000				-.05000		

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00057**	**.00082**	**.21448**	**72.972**	W **6.1985**	**281.14**	**.89232**	**.00785**	W **4374.3**	**-.00058**
Stddev	.00000	.00031	.00038	.292	.0046	1.50	.00364	.00065	4.0	.00029
%RSD	.28271	37.203	.17661	.40006	.07457	.53247	.40766	8.2445	.09173	50.218
#1	.00057	.00104	.21474	72.766	6.2018	282.19	.89490	.00739	4371.4	-.00038
#2	.00057	.00061	.21421	73.179	6.1952	280.08	.88975	.00831	4377.1	-.00079
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass
High Limit					2.0000				500.00	
Low Limit					-.01000				11.000	

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.16706**	**-.00131**	F **1738.7**	**-.00190**	**.00617**	**9.5591**	**20.457**	**-.00089**	W **11.621**	**-.00029**
Stddev	.00367	.00360	3.2	.00520	.00375	.0316	.068	.00025	.066	.00159
%RSD	2.1994	276.05	.18453	273.17	60.824	.33100	.33100	28.503	.56358	543.05
#1	.16446	-.00385	1736.5	-.00558	.00882	9.5368	20.409	-.00071	11.668	-.00141
#2	.16966	.00124	1741.0	.00177	.00352	9.5815	20.504	-.00107	11.575	.00083
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass
High Limit			200.00						5.0000	
Low Limit			-.20000						-.01000	

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00013**	**.00201**	**-.01061**	**.00076**	**.00315**	**-.00047**
Stddev	.00000	.00097	.01744	.00098	.00079	.00069
%RSD	2.4114	48.296	164.28	129.18	25.148	145.21
#1	.00013	.00132	.00172	.00145	.00371	-.00096
#2	.00014	.00270	-.02294	.00007	.00259	.00001
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**2595.2**	**39256.**	**5297.1**
Stddev	7.3	105.	8.8
%RSD	.28245	.26655	.16546
#1	2600.4	39182.	5290.9
#2	2590.0	39330.	5303.3

Sample Name: 280-28193-a-11-a Acquired: 5/2/2012 11:09:34 Type: Unk
Method: 6500_025(v2) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 117358 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00014**	**.00011**	**.01810**	W **28.026**	**.02491**	**.00009**	**-.00538**	W **527.18**	**.00137**	**-.00067**
Stddev	.00014	.00042	.00326	.002	.00014	.00010	.00084	6.11	.00012	.00051
%RSD	101.59	391.86	18.033	.00599	.54869	107.98	15.661	1.1596	8.4573	75.566
#1	-.00004	-.00019	.02041	28.027	.02482	.00002	-.00598	531.50	.00145	-.00103
#2	-.00023	.00041	.01580	28.025	.02501	.00016	-.00479	522.86	.00128	-.00031
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass
High Limit				10.000				500.00		
Low Limit				-.01000				-.05000		

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.02603**	**.00075**	**.36455**	**66.156**	W **8.5676**	**232.91**	**1.1574**	**.00261**	W **6490.7**	**.00051**
Stddev	.00010	.00035	.00551	.139	.0177	1.92	.0019	.00030	2.8	.00018
%RSD	.38567	47.214	1.5121	.21047	.20647	.82472	.16324	11.536	.04256	34.739
#1	.02610	.00100	.36065	66.057	8.5802	234.26	1.1587	.00240	6492.7	.00038
#2	.02596	.00050	.36845	66.254	8.5551	231.55	1.1560	.00283	6488.8	.00063
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass
High Limit					2.0000				500.00	
Low Limit					-.01000				11.000	

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.27550**	**-.00175**	F **2028.5**	**-.00265**	**.00618**	**9.9709**	**21.338**	**.00026**	W **11.886**	**-.00354**
Stddev	.00102	.00106	2.8	.00180	.00695	.0054	.012	.00017	.021	.00045
%RSD	.37094	60.494	.13956	67.968	112.48	.05446	.05446	65.803	.17969	12.723
#1	.27477	-.00100	2030.5	-.00393	.01110	9.9671	21.330	.00014	11.901	-.00322
#2	.27622	-.00250	2026.5	-.00138	.00126	9.9748	21.346	.00039	11.871	-.00386
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass
High Limit			200.00						5.0000	
Low Limit			-.20000						-.01000	

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00080**	**.00271**	**-.01758**	**.00062**	**.01146**	**-.00169**
Stddev	.00001	.00122	.01094	.00023	.00077	.00131
%RSD	1.6860	45.011	62.247	37.551	6.7186	77.565
#1	.00079	.00185	-.02532	.00079	.01091	-.00262
#2	.00081	.00358	-.00984	.00046	.01200	-.00076
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**2481.5**	**37613.**	**5164.3**
Stddev	4.5	28.	7.6
%RSD	.18107	.07492	.14774
#1	2478.3	37593.	5158.9
#2	2484.7	37633.	5169.7

Sample Name: CCVH-1390999 Acquired: 5/2/2012 11:12:19 Type: QC
Method: 6500_025(v2) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00150**	**49.520**	**.00139**	**.05320**	**.00060**	**.00001**	**1.0495**	**.04528**	**.00003**	**.00037**	**.00036**	**-.00445**
Stddev	.00038	.099	.00414	.00454	.00014	.00005	.0006	.00414	.00021	.00039	.00032	.00003
%RSD	25.101	.19942	298.54	8.5404	23.868	392.70	.05341	9.1428	713.86	107.61	88.849	.71214
#1	-.00124	49.590	.00431	.05641	.00050	-.00002	1.0491	.04821	-.00012	.00064	.00013	-.00443
#2	-.00177	49.450	-.00154	.04999	.00070	.00005	1.0499	.04236	.00018	.00009	.00058	-.00447
Check ?	None	Chk Pass	None	None	None	None	Chk Pass	None	None	None	None	None
Value												
Range												

Elem	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316	P_1782	Pb2203	S_1820	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**49.470**	**.37582**	**.00213**	**-.00952**	**.00014**	**.00088**	**259.85**	**.00163**	**.00359**	**-.00189**	W **5.4112**	**-.00392**
Stddev	.230	.07093	.00079	.00475	.00006	.00020	.91	.00031	.00476	.00075	.0123	.00051
%RSD	.46505	18.874	37.079	49.880	41.446	23.231	.35040	19.149	132.79	39.497	.22742	13.099
#1	49.633	.42598	.00157	-.01288	.00010	.00073	260.50	.00141	.00695	-.00136	5.4025	-.00429
#2	49.308	.32566	.00269	-.00616	.00018	.00102	259.21	.00185	.00022	-.00242	5.4199	-.00356
Check ?	Chk Pass	None	None	None	None	None	Chk Pass	None	None	None	Chk Warn	None
Value											5.0000	
Range											5.0000%	

Elem	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00528**	**-.01270**	**-.02717**	**.00194**	**.00121**	W **5.2602**	**.00769**	**.00061**	W **10.887**	**-.00469**	**.00201**	**-.04481**
Stddev	.00008	.00344	.00737	.00071	.00004	.0091	.00018	.00009	.057	.00015	.00033	.00047
%RSD	1.4755	27.127	27.127	36.652	3.1944	.17301	2.2781	14.363	.52157	3.2662	16.471	1.0546
#1	.00533	-.01026	-.02196	.00143	.00124	5.2537	.00757	.00068	10.847	-.00479	.00177	-.04448
#2	.00522	-.01513	-.03239	.00244	.00118	5.2666	.00782	.00055	10.927	-.00458	.00224	-.04515
Check ?	None	None	None	None	None	Chk Warn	None	None	Chk Warn	None	None	None
Value						5.0000			10.000			
Range						5.0000%			5.0000%			

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**3293.0**	**50032.**	**5580.5**
Stddev	2.3	10.	49.7
%RSD	.06955	.01974	.89129
#1	3291.4	50039.	5545.3
#2	3294.6	50025.	5615.7

Sample Name: CCV-1390955 Acquired: 5/2/2012 11:14:40 Type: QC
Method: 6500_025(v2) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599	K_7664
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.52228**	**.50795**	**1.0334**	**.52916**	**.51376**	**.47832**	**.00073**	**4.8220**	**.51216**	**.51272**	**.51528**	**.53636**	**2.4989**	**51.475**
Stddev	.00186	.00119	.0055	.00021	.00025	.00054	.00341	.0238	.00132	.00033	.00027	.00435	.0013	.063
%RSD	.35543	.23460	.53204	.04056	.04935	.11267	463.83	.49295	.25701	.06427	.05264	.81115	.05146	.12311
#1	.52359	.50880	1.0295	.52931	.51358	.47870	.00314	4.8388	.51123	.51295	.51509	.53944	2.4980	51.520
#2	.52096	.50711	1.0372	.52901	.51394	.47794	-.00167	4.8052	.51309	.51248	.51547	.53329	2.4998	51.430
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value														
Range														

Elem	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.0014**	**20.191**	**.52087**	**.51271**	**5.4377**	**.51057**	**.98390**	**1.0504**	**.15753**	**1.0050**	**1.0328**	**4.7647**	**10.196**	**1.0258**
Stddev	.0016	.045	.00141	.00117	.0200	.00064	.00400	.0012	.00249	.0056	.0045	.0151	.032	.0012
%RSD	.15897	.22362	.27110	.22874	.36764	.12494	.40687	.11621	1.5776	.55909	.43277	.31600	.31600	.11337
#1	1.0025	20.223	.52187	.51353	5.4519	.51012	.98673	1.0512	.15577	1.0010	1.0360	4.7754	10.219	1.0250
#2	1.0002	20.159	.51987	.51188	5.4236	.51102	.98107	1.0495	.15928	1.0090	1.0297	4.7541	10.174	1.0266
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value														
Range														

Elem	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.50691**	**.00187**	**.50744**	**1.0432**	**.00308**	**.51604**	**.51837**	**.50949**
Stddev	.00054	.00070	.00167	.0022	.00127	.00112	.00201	.00017
%RSD	.10593	37.210	.32877	.21130	41.401	.21683	.38783	.03243
#1	.50728	.00138	.50862	1.0448	.00398	.51683	.51980	.50961
#2	.50653	.00236	.50626	1.0416	.00218	.51524	.51695	.50938
Check ?	Chk Pass	None	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value								
Range								

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**3356.6**	**51357.**	**5624.6**
Stddev	2.0	112.	57.9
%RSD	.06064	.21888	1.0287
#1	3355.1	51437.	5583.7
#2	3358.0	51278.	5665.6

Sample Name: CCB Acquired: 5/2/2012 11:16:54 Type: QC
Method: 6500_025(v2) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00042**	**.00029**	W **-.00522**	F **.02351**	**.00021**	**.00005**	**-.00185**	**.00243**	**.00018**	**.00001**	**-.00004**
Stddev	.00002	.00058	.00205	.00116	.00018	.00004	.00281	.00076	.00008	.00021	.00001
%RSD	4.0974	201.33	39.179	4.9392	85.678	78.269	151.30	31.433	46.479	2954.0	38.319
#1	.00041	-.00012	-.00377	.02433	.00008	.00002	.00013	.00189	.00023	-.00014	-.00005
#2	.00043	.00070	-.00667	.02269	.00034	.00008	-.00384	.00297	.00012	.00016	-.00003
Check ?	Chk Pass	Chk Pass	Chk Warn	Chk Fail	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit			.00441	.00700							
Low Limit			-.00441	-.00700							

Elem	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00123**	**.00022**	**.14173**	**.00147**	**.00078**	**.00011**	**.00094**	F **.42531**	**-.00042**	**.00182**	**.00089**
Stddev	.00001	.00091	.02571	.00033	.00204	.00002	.00048	.01279	.00020	.00113	.00156
%RSD	1.0188	405.04	18.141	22.150	262.45	18.143	50.703	3.0066	47.838	61.962	175.73
#1	-.00122	-.00042	.15991	.00170	-.00067	.00012	.00060	.43435	-.00028	.00102	-.00022
#2	-.00123	.00086	.12355	.00124	.00222	.00009	.00128	.41626	-.00056	.00262	.00199
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit								.18320			
Low Limit								-.18320			

Elem	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.18238**	**-.00228**	**.00087**	**-.01950**	**-.04173**	**.00137**	**.00004**	**.00189**	**.00000**	**.00047**	**.02154**
Stddev	.00740	.00083	.00215	.00693	.01482	.00034	.00007	.00067	.00003	.00137	.01448
%RSD	4.0564	36.621	247.65	35.520	35.520	25.007	186.87	35.319	1018.2	293.35	67.228
#1	.18761	-.00286	.00239	-.01460	-.03125	.00113	.00009	.00237	-.00002	.00144	.03177
#2	.17715	-.00169	-.00065	-.02440	-.05221	.00161	-.00001	.00142	.00002	-.00050	.01130
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit											
Low Limit											

Elem	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm
Avg	**-.00051**	**.00253**	**-.00073**
Stddev	.00017	.00056	.00022
%RSD	33.180	22.152	30.824
#1	-.00039	.00214	-.00089
#2	-.00063	.00293	-.00057
Check ?	Chk Pass	Chk Pass	Chk Pass
High Limit			
Low Limit			

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**3351.3**	**52040.**	**5514.1**
Stddev	5.6	120.	39.0
%RSD	.16839	.23114	.70816
#1	3355.3	51955.	5486.5
#2	3347.3	52125.	5541.7

Sample Name: CCVL1390952 Acquired: 5/2/2012 11:19:19 Type: QC
Method: 6500_025(v2) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01131**	**.10728**	**.01117**	**.12209**	**.01065**	**.00106**	**.12209**	**.19738**	**.00538**	**.01084**	**.01057**	**.01555**	**.10167**
Stddev	.00028	.00043	.00612	.00165	.00010	.00012	.00041	.00004	.00008	.00008	.00008	.00025	.00017
%RSD	2.4397	.39984	54.832	1.3497	.90416	11.106	.33918	.01911	1.4960	.77522	.71779	1.6161	.16987
#1	.01111	.10698	.01550	.12326	.01072	.00097	.12180	.19736	.00532	.01090	.01062	.01537	.10180
#2	.01150	.10759	.00684	.12093	.01059	.00114	.12239	.19741	.00544	.01078	.01051	.01573	.10155
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**3.3087**	**.01213**	**.21363**	**.01089**	**.02110**	F **1.3850**	**.04250**	**2.9708**	**.00945**	**.11043**	**.00827**	**.01518**	**.48374**
Stddev	.0366	.00082	.00084	.00000	.00019	.0060	.00003	.0002	.00013	.00087	.00089	.00075	.02021
%RSD	1.1069	6.7700	.39276	.01047	.87735	.43696	.06444	.00681	1.3614	.78708	10.754	4.9470	4.1777
#1	3.3346	.01271	.21422	.01089	.02096	1.3807	.04248	2.9707	.00936	.11105	.00764	.01571	.46945
#2	3.2828	.01155	.21303	.01089	.02123	1.3892	.04252	2.9710	.00954	.10982	.00889	.01465	.49803
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value						1.0000							
Range						30.000%							

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.0352**	**.10891**	**.01047**	**.01479**	**.01048**	**.01852**	F **.10266**	**.00972**	**.02355**	**.01615**
Stddev	.0432	.00099	.00009	.00071	.00045	.00136	.01304	.00006	.00081	.00034
%RSD	4.1777	.91031	.86022	4.7849	4.2535	7.3311	12.705	.58458	3.4431	2.1367
#1	1.0046	.10961	.01040	.01429	.01017	.01756	.11188	.00968	.02413	.01590
#2	1.0658	.10821	.01053	.01529	.01080	.01948	.09343	.00976	.02298	.01639
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
Value							.06000			
Range							30.000%			

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**3440.6**	**53524.**	**5666.4**
Stddev	12.2	384.	10.2
%RSD	.35547	.71787	.18060
#1	3449.3	53795.	5673.7
#2	3432.0	53252.	5659.2

Sample Name: 28017-1 Acquired: 5/2/2012 11:21:43 Type: Unk
Method: 6500_025(v2) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00028**	**.01718**	**.00104**	**.65063**	**.57271**	**.00012**	**.00301**	**161.93**	**.00040**	**.00022**
Stddev	.00000	.00026	.00062	.00230	.00048	.00001	.00032	.15	.00006	.00004
%RSD	1.0395	1.5387	59.388	.35332	.08444	9.3786	10.510	.09049	14.732	16.088
#1	.00027	.01736	.00060	.65225	.57237	.00013	.00278	162.04	.00036	.00024
#2	.00028	.01699	.00148	.64900	.57305	.00011	.00323	161.83	.00045	.00019
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	271.441 {124}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00099**	**.00257**	**48.076**	**13.073**	**.05968**	**37.705**	**1.4475**	**.00008**	**117.47**	**.00392**
Stddev	.00014	.00010	.062	.056	.00010	.058	.0019	.00002	.55	.00065
%RSD	13.909	3.7861	.12976	.42647	.16529	.15501	.12865	18.729	.46843	16.540
#1	.00090	.00250	48.120	13.033	.05961	37.664	1.4462	.00007	117.08	.00346
#2	.00109	.00263	48.031	13.112	.05975	37.747	1.4488	.00009	117.86	.00438
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **4.7106**	**-.00124**	**22.981**	**-.00572**	**.00347**	**26.429**	**56.558**	**-.00092**	**.52826**	**-.00031**
Stddev	.0287	.00095	.050	.00213	.00251	.043	.091	.00118	.00071	.00003
%RSD	.60883	76.939	.21719	37.190	72.138	.16089	.16089	128.86	.13456	11.066
#1	4.7308	-.00192	23.016	-.00723	.00525	26.399	56.493	-.00175	.52775	-.00028
#2	4.6903	-.00057	22.946	-.00422	.00170	26.459	56.622	-.00008	.52876	-.00033
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	2.0000									
Low Limit	-1.0000									

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00069**	**.00313**	**-.00803**	**.00107**	**.00454**	**.00150**
Stddev	.00027	.00099	.00906	.00023	.00020	.00034
%RSD	38.997	31.529	112.86	21.516	4.3283	22.405
#1	.00050	.00383	-.01444	.00123	.00441	.00126
#2	.00089	.00243	-.00162	.00091	.00468	.00174
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**3295.8**	**50432.**	**5684.7**
Stddev	4.8	62.	48.3
%RSD	.14528	.12233	.84970
#1	3292.4	50476.	5718.9
#2	3299.2	50389.	5650.5

Sample Name: 28017-2 Acquired: 5/2/2012 11:24:03 Type: Unk
Method: 6500_025(v2) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00018**	**.00988**	**.00663**	**.25723**	**.27565**	**.00004**	**.00248**	**117.96**	**.00039**	**.00023**
Stddev	.00026	.00002	.00055	.00038	.00085	.00004	.00426	.49	.00016	.00007
%RSD	147.09	.24471	8.2692	.14841	.30901	81.812	171.40	.41461	41.987	29.116
#1	-.00001	.00990	.00625	.25750	.27504	.00007	-.00053	117.61	.00050	.00028
#2	.00036	.00987	.00702	.25696	.27625	.00002	.00549	118.30	.00027	.00018
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00037**	**.00263**	**15.622**	**9.1770**	**.03226**	**35.132**	**.49513**	**.00033**	**47.685**	**.00212**
Stddev	.00001	.00035	.058	.0185	.00070	.016	.00016	.00063	.040	.00040
%RSD	2.3004	13.350	.37293	.20135	2.1655	.04528	.03192	187.48	.08466	18.742
#1	.00037	.00239	15.581	9.1900	.03275	35.143	.49525	-.00011	47.713	.00240
#2	.00036	.00288	15.663	9.1639	.03176	35.121	.49502	.00078	47.656	.00184
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.0144**	**.00125**	**21.686**	**-.00336**	**.00135**	**18.846**	**40.331**	**-.00012**	**.46946**	**.00095**
Stddev	.0022	.00006	.030	.00027	.00957	.042	.091	.00015	.00164	.00094
%RSD	.21838	4.4274	.13917	8.1032	707.26	.22491	.22491	131.04	.35016	98.657
#1	1.0160	.00129	21.707	-.00317	.00812	18.816	40.267	-.00023	.46829	.00029
#2	1.0128	.00121	21.664	-.00355	-.00541	18.876	40.395	-.00001	.47062	.00161
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00041**	**.00359**	**.00178**	**.00016**	**.00757**	**-.00164**
Stddev	.00038	.00124	.00240	.00026	.00018	.00142
%RSD	91.986	34.450	134.56	163.47	2.4380	86.852
#1	.00068	.00447	.00348	.00034	.00744	-.00063
#2	.00014	.00272	.00009	-.00002	.00770	-.00264
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**3314.6**	**50981.**	**5711.0**
Stddev	8.2	32.	24.5
%RSD	.24795	.06277	.42919
#1	3320.4	50958.	5728.4
#2	3308.8	51003.	5693.7

Sample Name: 28017-2 DISS Acquired: 5/2/2012 11:26:24 Type: Unk
Method: 6500_025(v2) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00046**	**.00593**	**.00966**	**.25335**	**.25982**	**.00016**	**.00386**	**117.32**	**.00032**	**.00016**
Stddev	.00036	.00057	.00695	.00057	.00096	.00004	.00212	.54	.00006	.00006
%RSD	78.952	9.6542	71.965	.22466	.36858	28.251	54.960	.46408	18.419	39.260
#1	.00072	.00633	.01458	.25295	.26049	.00012	.00536	117.71	.00028	.00020
#2	.00020	.00552	.00475	.25376	.25914	.00019	.00236	116.94	.00036	.00012
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00030**	**.00061**	**15.053**	**9.1284**	**.03316**	**34.662**	**.47600**	**.00042**	**47.546**	**.00183**
Stddev	.00025	.00021	.012	.0444	.00131	.097	.00146	.00002	.447	.00005
%RSD	83.640	33.827	.08213	.48672	3.9562	.27982	.30696	5.8013	.93931	2.6038
#1	.00012	.00046	15.062	9.1598	.03224	34.731	.47704	.00044	47.862	.00187
#2	.00047	.00075	15.044	9.0970	.03409	34.594	.47497	.00040	47.230	.00180
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.94785**	**-.00006**	**21.376**	**-.00443**	**-.00340**	**18.798**	**40.227**	**-.00118**	**.46610**	**-.00010**
Stddev	.00174	.00006	.016	.00040	.00352	.197	.422	.00017	.00024	.00130
%RSD	.18385	96.750	.07433	8.9223	103.62	1.0494	1.0494	13.954	.05113	1250.8
#1	.94662	-.00010	21.387	-.00471	-.00589	18.937	40.526	-.00130	.46594	.00082
#2	.94908	-.00002	21.365	-.00415	-.00091	18.658	39.929	-.00107	.46627	-.00103
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00038**	**.00228**	**-.00454**	**.00067**	**.00247**	**-.00049**
Stddev	.00005	.00035	.00162	.00007	.00055	.00029
%RSD	13.892	15.321	35.690	11.226	22.355	59.534
#1	.00034	.00253	-.00569	.00061	.00287	-.00070
#2	.00042	.00203	-.00340	.00072	.00208	-.00028
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**3306.2**	**51075.**	**5668.2**
Stddev	4.2	24.	10.4
%RSD	.12707	.04710	.18331
#1	3309.2	51058.	5660.8
#2	3303.3	51092.	5675.5

Sample Name: 28017-2 Acquired: 5/2/2012 11:28:46 Type: Unk
Method: 6500_025(v2) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00042**	**.00907**	**.00078**	**.27825**	**.24562**	**.00015**	**.00094**	**142.12**	**.00036**	**.00014**
Stddev	.00058	.00103	.00031	.00053	.00064	.00010	.00295	.47	.00001	.00009
%RSD	136.99	11.366	39.914	.19108	.26179	62.558	314.57	.33138	3.9405	63.466
#1	.00001	.00834	.00099	.27787	.24607	.00008	-.00115	142.46	.00037	.00008
#2	.00083	.00979	.00056	.27863	.24516	.00022	.00302	141.79	.00035	.00021
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00036**	**.00118**	**22.930**	**7.4252**	**.04320**	**35.561**	**1.0056**	**.00076**	**70.657**	**.00274**
Stddev	.00024	.00026	.128	.0303	.00084	.128	.0027	.00025	.291	.00051
%RSD	67.963	22.435	.55653	.40881	1.9527	.36027	.27215	32.905	.41219	18.645
#1	.00019	.00099	23.020	7.4466	.04260	35.470	1.0037	.00094	70.863	.00310
#2	.00053	.00137	22.840	7.4037	.04379	35.651	1.0075	.00058	70.451	.00238
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.5541**	**-.00105**	**15.547**	**-.00205**	**.00166**	**22.688**	**48.552**	**-.00150**	**.45597**	**.00054**
Stddev	.0050	.00047	.019	.00137	.00614	.084	.181	.00037	.00153	.00107
%RSD	.32099	44.883	.12399	67.005	369.67	.37210	.37210	24.355	.33514	200.17
#1	1.5576	-.00139	15.533	-.00301	.00600	22.747	48.679	-.00124	.45705	.00129
#2	1.5506	-.00072	15.561	-.00108	-.00268	22.628	48.424	-.00176	.45489	-.00022
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00013**	**.00322**	**-.01880**	**.00049**	**.00193**	**.00102**
Stddev	.00030	.00199	.01624	.00056	.00086	.00222
%RSD	239.22	61.749	86.373	115.61	44.727	216.48
#1	.00034	.00462	-.03028	.00009	.00132	.00259
#2	-.00009	.00181	-.00732	.00088	.00254	-.00054
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**3297.4**	**50686.**	**5660.5**
Stddev	13.6	320.	10.6
%RSD	.41271	.63079	.18681
#1	3307.0	50912.	5668.0
#2	3287.8	50460.	5653.0

Sample Name: 28017-3DISS Acquired: 5/2/2012 11:31:08 Type: Unk
Method: 6500_025(v2) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00062**	**.00692**	**.00052**	**.27056**	**.23343**	**.00012**	**-.00068**	**139.27**	**.00029**	**-.00008**
Stddev	.00025	.00026	.00227	.00035	.00029	.00003	.00077	.34	.00003	.00016
%RSD	40.315	3.7109	433.34	.12787	.12451	29.140	114.53	.24724	10.515	202.70
#1	.00044	.00711	.00213	.27031	.23363	.00014	-.00013	139.51	.00031	.00003
#2	.00080	.00674	-.00108	.27080	.23322	.00009	-.00122	139.03	.00027	-.00019
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00056**	**.00059**	**22.078**	**7.7347**	**.04130**	**34.811**	**1.0034**	**.00096**	**69.131**	**.00275**
Stddev	.00000	.00015	.030	.0192	.00197	.006	.0015	.00019	.400	.00007
%RSD	.78485	25.276	.13617	.24879	4.7631	.01720	.14887	19.955	.57911	2.4529
#1	.00055	.00049	22.057	7.7211	.04269	34.806	1.0024	.00109	68.848	.00280
#2	.00056	.00070	22.099	7.7483	.03991	34.815	1.0045	.00082	69.414	.00270
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.4501**	**-.00094**	**15.493**	**-.00261**	**-.00077**	**22.283**	**47.687**	**-.00048**	**.44560**	**-.00022**
Stddev	.0042	.00090	.000	.00264	.00104	.150	.321	.00098	.00133	.00145
%RSD	.28972	96.014	.00162	100.93	135.83	.67269	.67269	202.89	.29874	669.95
#1	1.4471	-.00158	15.492	-.00075	-.00003	22.389	47.913	-.00118	.44466	.00081
#2	1.4531	-.00030	15.493	-.00448	-.00151	22.177	47.460	.00021	.44654	-.00124
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00014**	**.00315**	**.00076**	**.00036**	**.00155**	**-.00090**
Stddev	.00025	.00163	.03891	.00001	.00002	.00002
%RSD	176.95	51.798	5095.1	3.2412	1.6124	2.0011
#1	-.00003	.00200	-.02675	.00037	.00156	-.00091
#2	.00031	.00431	.02828	.00035	.00153	-.00089
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**3295.1**	**50646.**	**5693.0**
Stddev	2.7	165.	41.0
%RSD	.08255	.32616	.71939
#1	3297.0	50763.	5722.0
#2	3293.1	50529.	5664.0

Sample Name: 27952-1 Acquired: 5/2/2012 11:33:29 Type: Unk
Method: 6500_025(v2) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00043**	**.02197**	**-.00126**	**.18679**	**.12776**	**.00007**	**.00208**	**494.21**	**.00099**	**.00056**
Stddev	.00013	.00022	.00166	.00058	.00007	.00001	.00045	1.16	.00027	.00009
%RSD	30.485	.99316	131.30	.31083	.05545	17.702	21.795	.23501	27.004	15.877
#1	.00052	.02213	-.00244	.18720	.12781	.00008	.00240	495.03	.00080	.00062
#2	.00034	.02182	-.00009	.18638	.12771	.00006	.00176	493.39	.00118	.00050
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	271.441 {124}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00083**	**.00502**	**65.917**	**10.397**	**.05678**	**148.49**	**1.2494**	**-.00002**	**101.27**	**.00068**
Stddev	.00003	.00023	.064	.011	.00224	.51	.0043	.00089	.31	.00026
%RSD	3.0766	4.5397	.09652	.10808	3.9535	.34603	.33985	5019.6	.31076	38.298
#1	.00081	.00518	65.962	10.405	.05837	148.86	1.2524	-.00065	101.49	.00086
#2	.00084	.00486	65.872	10.389	.05519	148.13	1.2464	.00061	101.05	.00050
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **2.5004**	**-.00027**	F **572.48**	**-.00200**	**.00700**	**19.797**	**42.365**	**.00038**	**1.6825**	**-.00223**
Stddev	.0076	.00090	.84	.00150	.00670	.040	.086	.00004	.0056	.00200
%RSD	.30384	333.97	.14652	74.704	95.691	.20361	.20361	10.991	.33534	89.915
#1	2.5057	-.00090	571.89	-.00306	.01174	19.825	42.426	.00035	1.6865	-.00364
#2	2.4950	.00037	573.07	-.00095	.00226	19.768	42.304	.00041	1.6785	-.00081
Check ?	Chk Warn	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	2.0000		200.00							
Low Limit	-1.0000		-.20000							

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00052**	**.00078**	**-.01942**	**.00083**	**.00398**	**-.00214**
Stddev	.00017	.00123	.02780	.00049	.00039	.00198
%RSD	32.224	157.51	143.13	58.268	9.7825	92.517
#1	.00064	.00165	-.03908	.00049	.00426	-.00074
#2	.00040	-.00009	.00024	.00118	.00371	-.00354
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**3077.2**	**47774.**	**5532.9**
Stddev	10.8	7.	3.6
%RSD	.35153	.01469	.06542
#1	3084.8	47779.	5535.5
#2	3069.5	47769.	5530.4

Sample Name: 27952-7 Acquired: 5/2/2012 11:35:55 Type: Unk
Method: 6500_025(v2) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	k **-.00024**	k **.07918**	k **.29719**	**.62807**	**.13403**	k **.00003**	k **.00496**	**149.03**	k **.00133**	k **.00216**
Stddev	.00001	.00017	.00125	.00026	.00004	.00002	.00218	.97	.00026	.00014
%RSD	6.1405	.21897	.42204	.04120	.02761	96.392	44.039	.65210	19.760	6.7097
#1	k -.00023	k .07931	k .29630	.62789	.13405	k .00001	k .00342	148.35	k .00152	k .00226
#2	k -.00025	k .07906	k .29807	.62825	.13400	k .00004	k .00651	149.72	k .00115	k .00205
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	271.441 {124}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	k **.00094**	k **.00319**	k **44.285**	**15.084**	**.05078**	**53.917**	k **1.8582**	k **.00137**	**89.444**	**.01400**
Stddev	.00003	.00051	.092	.034	.00024	.026	.0012	.00005	.346	.00007
%RSD	2.9421	16.150	.20706	.22700	.48241	.04878	.06659	3.3237	.38658	.49733
#1	k .00096	k .00282	k 44.221	15.059	.05060	53.898	k 1.8590	k .00140	89.200	.01405
#2	k .00092	k .00355	k 44.350	15.108	.05095	53.935	k 1.8573	k .00134	89.689	.01396
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.79131**	k **.00287**	k **65.472**	k **-.00052**	kF **-.01405**	**13.940**	**29.833**	k **.00018**	**.62952**	k **.03824**
Stddev	.00956	.00224	.028	.00248	.00382	.110	.235	.00110	.00225	.00060
%RSD	1.2084	78.145	.04324	474.99	27.191	.78897	.78897	602.41	.35722	1.5744
#1	.79808	k .00445	k 65.492	k .00123	k -.01135	13.863	29.666	k .00096	.62793	k .03782
#2	.78455	k .00128	k 65.452	k -.00228	k -.01675	14.018	29.999	k -.00059	.63111	k .03867
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					50.000					
Low Limit					-.01000					

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	k **.00070**	k **.00492**	k **.02050**	k **-.00011**	k **.01329**	k **.00008**
Stddev	.00025	.00063	.01534	.00003	.00052	.00121
%RSD	35.543	12.794	74.827	27.224	3.9118	1577.6
#1	k .00087	k .00448	k .00966	k -.00009	k .01366	k .00093
#2	k .00052	k .00537	k .03135	k -.00013	k .01292	k -.00078
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**3251.1**	**50383.**	**5774.6**
Stddev	.1	41.	81.9
%RSD	.00210	.08129	1.4177
#1	3251.0	50412.	5832.4
#2	3251.1	50354.	5716.7

Sample Name: 27952-8 Acquired: 5/2/2012 11:38:15 Type: Unk
Method: 6500_025(v2) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00012**	**.01690**	**.00031**	**1.3915**	**.35619**	**.00002**	**.00145**	**172.21**	**.00060**	**.00153**
Stddev	.00034	.00088	.00062	.0007	.00125	.00005	.00005	.66	.00016	.00009
%RSD	279.18	5.2343	201.60	.05021	.35124	280.07	3.7736	.38200	27.172	6.0281
#1	.00036	.01753	.00074	1.3910	.35708	.00005	.00141	172.67	.00071	.00146
#2	-.00012	.01628	-.00013	1.3920	.35531	-.00002	.00149	171.74	.00048	.00159
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00126**	**.00416**	**27.376**	**20.163**	**.06992**	**58.363**	**1.2678**	**.00063**	**225.75**	**.01754**
Stddev	.00023	.00000	.093	.094	.00072	.213	.0056	.00013	.18	.00036
%RSD	18.373	.00492	.33856	.46489	1.0352	.36473	.44364	20.563	.08022	2.0332
#1	.00110	.00417	27.442	20.229	.07043	58.513	1.2718	.00073	225.88	.01729
#2	.00142	.00416	27.311	20.096	.06940	58.212	1.2639	.00054	225.62	.01779
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.8722**	**-.00066**	**91.258**	**-.00182**	**.00487**	**19.616**	**41.977**	**.00044**	**.95460**	**-.00044**
Stddev	.0014	.00014	.131	.00045	.00839	.067	.144	.00072	.00225	.00107
%RSD	.07233	21.196	.14323	24.655	172.50	.34360	.34360	163.04	.23520	243.64
#1	1.8712	-.00076	91.165	-.00214	.01080	19.663	42.079	.00095	.95618	.00032
#2	1.8731	-.00056	91.350	-.00151	-.00107	19.568	41.875	-.00007	.95301	-.00119
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00059**	**.00294**	**.01419**	**.00089**	**.00376**	**.00123**
Stddev	.00009	.00135	.02032	.00037	.00018	.00175
%RSD	16.172	45.774	143.14	41.770	4.6617	142.19
#1	.00052	.00199	.02856	.00116	.00388	.00246
#2	.00065	.00389	-.00017	.00063	.00363	-.00001
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**3186.6**	**49421.**	**5742.2**
Stddev	13.5	21.	18.9
%RSD	.42450	.04243	.32935
#1	3196.2	49436.	5755.6
#2	3177.0	49406.	5728.9

Sample Name: 27820-4 Acquired: 5/2/2012 11:40:35 Type: Unk
Method: 6500_025(v2) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00012**	**.02218**	**.01095**	**1.8324**	**.41777**	**.00008**	**.00381**	**152.32**	**.00042**	**.00294**
Stddev	.00072	.00112	.00044	.0055	.00252	.00003	.00104	.53	.00015	.00003
%RSD	601.91	5.0471	4.0280	.30184	.60224	33.521	27.449	.34899	35.278	1.1083
#1	-.00039	.02297	.01064	1.8285	.41599	.00006	.00307	151.95	.00053	.00291
#2	.00063	.02139	.01127	1.8363	.41954	.00010	.00454	152.70	.00032	.00296
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00192**	**.00221**	**23.583**	**41.946**	**.07592**	**53.779**	**1.6330**	**.00125**	**273.38**	**.02526**
Stddev	.00016	.00039	.068	.059	.00027	.037	.0030	.00010	.56	.00043
%RSD	8.2775	17.582	.28686	.14008	.36107	.06870	.18473	7.9505	.20384	1.7215
#1	.00181	.00193	23.535	41.905	.07572	53.805	1.6351	.00132	272.99	.02557
#2	.00204	.00248	23.631	41.988	.07611	53.752	1.6309	.00118	273.78	.02496
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **2.0523**	**-.00021**	**29.144**	**-.00352**	**-.00256**	**18.456**	**39.495**	**-.00022**	**1.0381**	**-.00098**
Stddev	.0017	.00012	.002	.00072	.00465	.050	.106	.00035	.0027	.00007
%RSD	.08119	56.679	.00626	20.572	181.56	.26864	.26864	156.32	.26531	7.3828
#1	2.0511	-.00030	29.143	-.00403	-.00584	18.421	39.420	.00002	1.0361	-.00093
#2	2.0535	-.00013	29.146	-.00300	.00073	18.491	39.570	-.00047	1.0400	-.00104
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	2.0000									
Low Limit	-1.0000									

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00137**	**.00407**	**.00721**	**.00117**	**.00454**	**.00137**
Stddev	.00013	.00006	.00705	.00028	.00074	.00057
%RSD	9.4376	1.4306	97.842	24.368	16.237	41.527
#1	.00146	.00403	.00222	.00097	.00506	.00177
#2	.00127	.00411	.01219	.00137	.00402	.00096
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**3206.8**	**49405.**	**5764.5**
Stddev	3.5	27.	78.0
%RSD	.10915	.05550	1.3535
#1	3209.2	49424.	5819.6
#2	3204.3	49386.	5709.3

Sample Name: CCVH-1390999 Acquired: 5/2/2012 11:42:55 Type: QC
Method: 6500_025(v2) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00127**	**48.493**	**.00165**	**.01164**	**.00040**	**.00005**	**1.0383**	**.01492**	**.00012**	**.00024**	**.00043**	**-.00493**
Stddev	.00040	.035	.00307	.00093	.00022	.00001	.0010	.00261	.00001	.00001	.00013	.00045
%RSD	31.357	.07165	185.50	8.0201	55.078	28.711	.09512	17.518	11.390	4.4482	29.688	9.0856
#1	-.00099	48.468	.00382	.01230	.00025	.00006	1.0376	.01677	.00011	.00025	.00051	-.00525
#2	-.00156	48.517	-.00052	.01098	.00056	.00004	1.0390	.01307	.00013	.00023	.00034	-.00462
Check ?	None	Chk Pass	None	None	None	None	Chk Pass	None	None	None	None	None
Value												
Range												

Elem	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316	P_1782	Pb2203	S_1820	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**48.120**	**.15267**	**-.00028**	**-.01787**	**.00064**	**.00091**	**253.30**	**.00136**	**.02897**	**-.00042**	**5.1748**	**-.00398**
Stddev	.067	.00638	.00084	.00309	.00001	.00038	.55	.00010	.00687	.00044	.0070	.00205
%RSD	.13987	4.1782	300.16	17.312	1.7120	42.219	.21663	7.6172	23.713	104.00	.13444	51.567
#1	48.073	.14816	.00031	-.01568	.00063	.00064	253.69	.00128	.03383	-.00074	5.1797	-.00544
#2	48.168	.15718	-.00087	-.02006	.00065	.00118	252.92	.00143	.02411	-.00011	5.1699	-.00253
Check ?	Chk Pass	None	None	None	None	None	Chk Pass	None	None	None	Chk Pass	None
Value												
Range												

Elem	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00826**	**.00801**	**.01714**	**.00170**	**.00040**	**5.1143**	**.00825**	**.00234**	W **10.634**	**-.00429**	**.00226**	**-.04450**
Stddev	.00588	.02348	.05025	.00110	.00003	.0212	.00056	.00041	.034	.00017	.00054	.00014
%RSD	71.213	293.14	293.14	64.934	8.0592	.41412	6.7734	17.505	.31879	3.8583	23.782	.31528
#1	.00410	-.00859	-.01839	.00248	.00038	5.1293	.00865	.00205	10.658	-.00441	.00264	-.04440
#2	.01242	.02462	.05268	.00092	.00043	5.0994	.00786	.00263	10.610	-.00417	.00188	-.04460
Check ?	None	None	None	None	None	Chk Pass	None	None	Chk Warn	None	None	None
Value									10.000			
Range									5.0000%			

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**3261.3**	**50066.**	**5604.5**
Stddev	3.1	122.	23.6
%RSD	.09639	.24395	.42135
#1	3263.5	49979.	5621.2
#2	3259.1	50152.	5587.8

Sample Name: CCV-1390955 Acquired: 5/2/2012 11:45:15 Type: QC
Method: 6500_025(v2) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.50896**	**.49456**	**1.0070**	**.49840**	**.50466**	**.46742**	**-.00274**	**4.7247**	**.50691**	**.50212**	**.50647**	**.52205**	**2.4367**
Stddev	.00138	.00040	.0017	.00180	.00113	.00182	.00049	.0182	.00028	.00099	.00098	.00089	.0142
%RSD	.27198	.08041	.16900	.36149	.22301	.38924	17.834	.38624	.05471	.19774	.19320	.17093	.58418
#1	.50994	.49427	1.0058	.49712	.50546	.46871	-.00309	4.7376	.50672	.50142	.50716	.52268	2.4467
#2	.50798	.49484	1.0082	.49967	.50387	.46614	-.00240	4.7118	.50711	.50282	.50578	.52142	2.4266
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**50.191**	**.98867**	**19.370**	**.50341**	**.50391**	**4.9704**	**.50153**	**.97165**	**1.0319**	**.07675**	**.98585**	**1.0109**	**4.6487**
Stddev	.104	.00256	.030	.00128	.00001	.0037	.00010	.00153	.0016	.00184	.00014	.0036	.0114
%RSD	.20663	.25894	.15267	.25510	.00236	.07335	.02056	.15792	.15449	2.3971	.01381	.35798	.24600
#1	50.265	.99048	19.391	.50432	.50392	4.9729	.50161	.97274	1.0308	.07806	.98595	1.0135	4.6568
#2	50.118	.98686	19.350	.50251	.50390	4.9678	.50146	.97057	1.0330	.07545	.98576	1.0084	4.6406
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**9.9482**	**1.0001**	**.49588**	**-.00037**	**.49478**	**1.0244**	**.03315**	**.50509**	**.50184**	**.49931**
Stddev	.0245	.0018	.00098	.00093	.00074	.0058	.00176	.00044	.00146	.00247
%RSD	.24600	.18053	.19818	253.31	.14959	.56935	5.2956	.08740	.29079	.49439
#1	9.9655	1.0014	.49657	-.00102	.49530	1.0203	.03440	.50478	.50287	.50105
#2	9.9309	.99881	.49518	.00029	.49425	1.0285	.03191	.50540	.50080	.49756
Check ?	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value										
Range										

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**3350.2**	**51505.**	**5621.4**
Stddev	5.4	44.	32.6
%RSD	.16234	.08542	.57958
#1	3354.1	51474.	5598.3
#2	3346.4	51536.	5644.4

Sample Name: CCB Acquired: 5/2/2012 11:47:27 Type: QC
Method: 6500_025(v2) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00030**	**.00003**	**-.00414**	F **.00701**	**.00031**	**.00012**	**-.00376**	**.00299**	**.00027**	**-.00022**	**.00004**
Stddev	.00008	.00038	.00052	.00015	.00000	.00002	.00191	.00221	.00004	.00034	.00005
%RSD	28.000	1416.3	12.662	2.0933	.73012	15.135	50.758	73.664	15.181	154.26	101.54
#1	.00035	-.00024	-.00451	.00690	.00031	.00011	-.00241	.00455	.00030	-.00046	.00008
#2	.00024	.00029	-.00377	.00711	.00032	.00014	-.00512	.00143	.00024	.00002	.00001
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				.00700							
Low Limit				-.00700							

Elem	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **-.00156**	**.01082**	**.06840**	**.00009**	**.00384**	**.00013**	**.00085**	W **.17083**	**-.00083**	**.00467**	**.00026**
Stddev	.00020	.00031	.02287	.00250	.00177	.00006	.00046	.00611	.00027	.00143	.00069
%RSD	12.896	2.8582	33.434	2770.0	46.187	47.184	53.707	3.5775	32.223	30.701	270.28
#1	-.00170	.01104	.08457	-.00168	.00259	.00017	.00053	.17515	-.00102	.00568	.00075
#2	-.00142	.01060	.05223	.00186	.00510	.00009	.00117	.16651	-.00064	.00365	-.00023
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass
High Limit	.00136							.09160			
Low Limit	-.00136							-.09160			

Elem	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.10279**	**-.00020**	**.00069**	**-.00636**	**-.01362**	**.00172**	**.00009**	**.00114**	**.00024**	**.00013**	**.00892**
Stddev	.00254	.00229	.00406	.01893	.04050	.00081	.00002	.00163	.00022	.00029	.01796
%RSD	2.4665	1123.3	588.57	297.47	297.47	47.027	25.123	143.54	91.915	216.11	201.29
#1	.10459	.00142	.00356	-.01975	-.04226	.00115	.00008	-.00002	.00040	.00034	.02162
#2	.10100	-.00183	-.00218	.00702	.01502	.00229	.00011	.00229	.00008	-.00007	-.00378
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit											
Low Limit											

Elem	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm
Avg	**-.00061**	**.00275**	**-.00013**
Stddev	.00048	.00087	.00056
%RSD	78.047	31.520	414.93
#1	-.00095	.00336	.00026
#2	-.00028	.00213	-.00053
Check ?	Chk Pass	Chk Pass	Chk Pass
High Limit			
Low Limit			

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**3345.2**	**52235.**	**5557.5**
Stddev	6.0	80.	37.9
%RSD	.18076	.15367	.68221
#1	3349.5	52292.	5584.3
#2	3340.9	52178.	5530.7

Sample Name: CCVL1390952 Acquired: 5/2/2012 11:49:53 Type: QC
Method: 6500_025(v2) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01117**	**.10394**	**.01379**	**.10629**	**.01035**	**.00099**	**.11856**	**.19463**	**.00539**	**.01028**	**.01028**	**.01521**	**.10218**
Stddev	.00030	.00052	.00291	.00014	.00013	.00007	.00211	.00182	.00010	.00008	.00009	.00011	.00006
%RSD	2.7269	.50402	21.110	.13505	1.2752	6.6004	1.7778	.93646	1.7862	.73110	.85360	.75358	.06120
#1	.01138	.10431	.01585	.10639	.01044	.00104	.12005	.19592	.00532	.01034	.01034	.01529	.10223
#2	.01095	.10357	.01173	.10619	.01026	.00095	.11707	.19334	.00545	.01023	.01021	.01513	.10214
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**3.2201**	**.01223**	**.20960**	**.01076**	**.02069**	**1.1450**	**.04143**	**2.8912**	**.00983**	**.05832**	**.00716**	**.01913**	**.46888**
Stddev	.0231	.00049	.00028	.00002	.00052	.0025	.00028	.0050	.00093	.00275	.00153	.00160	.01263
%RSD	.71786	3.9672	.13326	.19644	2.5331	.21860	.68046	.17355	9.4787	4.7180	21.309	8.3451	2.6932
#1	3.2364	.01189	.20979	.01074	.02032	1.1467	.04123	2.8947	.01049	.06026	.00608	.02026	.45995
#2	3.2037	.01258	.20940	.01077	.02106	1.1432	.04163	2.8876	.00917	.05637	.00824	.01800	.47781
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.0034**	**.10638**	**.01028**	**.01497**	**.01021**	**.01672**	F **.08043**	**.00958**	**.02341**	**.01514**
Stddev	.0270	.00163	.00010	.00032	.00028	.00009	.00735	.00030	.00064	.00045
%RSD	2.6932	1.5345	.92836	2.1642	2.7407	.51405	9.1354	3.0897	2.7150	2.9493
#1	.98430	.10753	.01022	.01474	.01002	.01678	.07523	.00979	.02296	.01482
#2	1.0225	.10522	.01035	.01520	.01041	.01666	.08562	.00937	.02386	.01545
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
Value							.06000			
Range							30.000%			

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**3453.7**	**53589.**	**5669.3**
Stddev	6.2	94.	11.2
%RSD	.17923	.17523	.19765
#1	3449.3	53523.	5661.3
#2	3458.1	53655.	5677.2

Sample Name: X Acquired: 5/2/2012 11:52:16 Type: Unk
Method: 6500_025(v2) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.05013**	**1.8216**	**1.0127**	**.97244**	**1.9711**	**.04633**	**2.1051**	**45.425**	**.09919**	**.48201**
Stddev	.00009	.0031	.0006	.00478	.0019	.00005	.0026	.055	.00012	.00032
%RSD	.17220	.17254	.06031	.49152	.09700	.11390	.12426	.12172	.11745	.06726
#1	.05019	1.8194	1.0132	.97582	1.9724	.04637	2.1069	45.464	.09928	.48224
#2	.05007	1.8239	1.0123	.96906	1.9697	.04629	2.1032	45.386	.09911	.48178
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.19763**	**.25977**	F **1.7391**	**49.597**	**.96918**	**47.272**	**.50080**	**1.0028**	**51.617**	**.48149**
Stddev	.00047	.00052	.0085	.069	.00206	.099	.00068	.0002	.095	.00035
%RSD	.23874	.20179	.48702	.13817	.21234	.21046	.13569	.02061	.18418	.07322
#1	.19729	.26014	1.7451	49.645	.97064	47.343	.50129	1.0027	51.684	.48124
#2	.19796	.25940	1.7331	49.548	.96773	47.202	.50032	1.0030	51.550	.48174
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit			1.1400							
Low Limit			.88000							

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**9.6512**	**.48843**	**.08702**	**.48050**	**2.0159**	F **9.1884**	F **19.663**	**1.9581**	**.98307**	**1.0167**
Stddev	.0029	.00221	.00004	.00227	.0053	.0371	.079	.0017	.00159	.0036
%RSD	.03045	.45214	.04702	.47218	.26376	.40347	.40347	.08767	.16157	.35780
#1	9.6491	.48686	.08699	.47889	2.0196	9.2146	19.719	1.9569	.98419	1.0192
#2	9.6533	.48999	.08705	.48210	2.0121	9.1622	19.607	1.9593	.98194	1.0141
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Fail	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit						11.500	24.610			
Low Limit						9.4000	20.100			

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.98360**	**1.9516**	**2.1991**	**.50126**	**.48779**	**.48319**
Stddev	.00013	.0026	.0053	.00222	.00199	.00124
%RSD	.01330	.13103	.24059	.44243	.40897	.25673
#1	.98369	1.9498	2.1953	.49969	.48920	.48232
#2	.98350	1.9534	2.2028	.50282	.48638	.48407
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**3262.8**	**50295.**	**5648.9**
Stddev	6.2	48.	28.2
%RSD	.19062	.09475	.49907
#1	3267.2	50262.	5628.9
#2	3258.4	50329.	5668.8

Sample Name: 27750-5 Acquired: 5/2/2012 11:54:26 Type: Unk
Method: 6500_025(v2) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00021**	**.04595**	**.00141**	**.40879**	**.89937**	**.00008**	**.00140**	**159.33**	**.00040**	**.00186**
Stddev	.00012	.00053	.00103	.00042	.00042	.00003	.00300	.30	.00007	.00014
%RSD	55.336	1.1589	72.670	.10254	.04662	31.646	214.82	.18613	18.005	7.3896
#1	.00030	.04558	.00069	.40908	.89907	.00010	.00352	159.12	.00035	.00195
#2	.00013	.04633	.00214	.40849	.89967	.00006	-.00073	159.54	.00045	.00176
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00522**	**.00498**	**18.509**	**8.7921**	**.02728**	**43.306**	**1.0620**	**.00338**	**62.680**	**.02034**
Stddev	.00020	.00009	.000	.0221	.00066	.045	.0007	.00003	.355	.00046
%RSD	3.8258	1.8049	.00265	.25109	2.4224	.10356	.06848	.75573	.56589	2.2407
#1	.00536	.00504	18.509	8.8077	.02681	43.338	1.0625	.00336	62.931	.02066
#2	.00508	.00491	18.509	8.7765	.02775	43.275	1.0615	.00340	62.429	.02002
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.9565**	**.00065**	**9.5855**	**-.00640**	**.00005**	**16.783**	**35.915**	**.00004**	**.77762**	**.00038**
Stddev	.0316	.00106	.0469	.00024	.00490	.042	.089	.00053	.00030	.00113
%RSD	1.6138	163.15	.48910	3.6816	10523.	.24783	.24783	1313.5	.03886	300.75
#1	1.9788	.00140	9.6187	-.00623	-.00342	16.753	35.852	-.00034	.77783	.00117
#2	1.9341	-.00010	9.5524	-.00657	.00351	16.812	35.978	.00042	.77740	-.00042
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00177**	**.01959**	**.00006**	**.00071**	**.00532**	**.00095**
Stddev	.00024	.00170	.02652	.00019	.00029	.00147
%RSD	13.400	8.6842	45828.	27.224	5.5289	154.80
#1	.00194	.01838	.01881	.00085	.00511	.00200
#2	.00160	.02079	-.01869	.00058	.00553	-.00009
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**3342.9**	**51791.**	**5868.6**
Stddev	3.9	205.	25.4
%RSD	.11578	.39551	.43254
#1	3345.6	51936.	5886.5
#2	3340.2	51646.	5850.6

Sample Name: 27750-5DISS Acquired: 5/2/2012 11:56:47 Type: Unk
Method: 6500_025(v2) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00021**	**.01540**	**.00582**	**1.9391**	**2.0096**	**.00001**	**.00276**	**318.89**	**.00049**	**.01183**
Stddev	.00007	.00075	.00233	.0032	.0096	.00004	.00099	2.30	.00008	.00013
%RSD	34.736	4.8603	40.142	.16308	.47705	509.62	35.995	.72095	15.650	1.1102
#1	.00016	.01593	.00416	1.9369	2.0028	-.00002	.00346	320.51	.00044	.01192
#2	.00027	.01487	.00747	1.9414	2.0163	.00004	.00206	317.26	.00055	.01173
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00424**	**.00160**	**29.533**	**13.630**	**.04226**	**85.206**	**2.8670**	**.00643**	**489.14**	**.07907**
Stddev	.00023	.00009	.116	.095	.00151	.183	.0090	.00039	3.15	.00049
%RSD	5.5361	5.5359	.39401	.69808	3.5823	.21449	.31438	6.0386	.64356	.62421
#1	.00441	.00153	29.450	13.563	.04119	85.076	2.8606	.00616	486.91	.07942
#2	.00408	.00166	29.615	13.697	.04333	85.335	2.8734	.00671	491.37	.07872
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **4.5907**	**.00029**	**12.168**	**-.00275**	**-.00211**	**16.066**	**34.382**	**-.00030**	**1.6394**	**-.00206**
Stddev	.0025	.00035	.034	.00076	.00179	.119	.254	.00089	.0100	.00123
%RSD	.05452	121.77	.27948	27.757	84.486	.73812	.73812	299.43	.60879	59.794
#1	4.5924	.00004	12.192	-.00329	-.00085	15.983	34.203	.00033	1.6324	-.00119
#2	4.5889	.00054	12.144	-.00221	-.00338	16.150	34.562	-.00093	1.6465	-.00293
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	2.0000									
Low Limit	-1.0000									

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00084**	**.00295**	**-.00722**	**.00229**	**.00399**	**.00108**
Stddev	.00020	.00028	.00195	.00001	.00031	.00124
%RSD	23.401	9.5041	27.069	.34732	7.8256	114.60
#1	.00070	.00275	-.00584	.00229	.00421	.00021
#2	.00098	.00315	-.00860	.00228	.00377	.00196
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**3140.6**	**48651.**	**5807.6**
Stddev	6.7	144.	28.8
%RSD	.21186	.29515	.49537
#1	3145.3	48753.	5828.0
#2	3135.9	48549.	5787.3

Sample Name: 28107-1 Acquired: 5/2/2012 11:59:18 Type: Unk
Method: 6500_025(v2) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00035**	**.28268**	**.00195**	**.13901**	**.25449**	**.00009**	**.00504**	**167.58**	**.00055**	**.00020**
Stddev	.00020	.00056	.00169	.00181	.00079	.00000	.00238	.42	.00000	.00002
%RSD	59.021	.19766	86.871	1.3025	.31096	1.7719	47.258	.24858	.80989	8.6657
#1	.00020	.28308	.00075	.14029	.25393	.00009	.00336	167.28	.00055	.00022
#2	.00049	.28229	.00314	.13773	.25505	.00009	.00673	167.87	.00054	.00019
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00117**	**.00520**	**34.360**	**6.1977**	**.03002**	**41.034**	**.95209**	**.00055**	**21.165**	**.00418**
Stddev	.00006	.00038	.048	.0027	.00140	.002	.00048	.00024	.140	.00038
%RSD	5.4397	7.3067	.14058	.04346	4.6719	.00415	.05019	43.446	.65915	9.1606
#1	.00112	.00493	34.325	6.1958	.02903	41.033	.95175	.00038	21.066	.00445
#2	.00121	.00547	34.394	6.1996	.03101	41.035	.95242	.00071	21.263	.00391
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **2.4763**	**.00212**	**30.028**	**-.00328**	**.00088**	**18.329**	**39.224**	**-.00077**	**.65454**	**.00209**
Stddev	.0037	.00136	.051	.00136	.00042	.017	.037	.00175	.00161	.00151
%RSD	.15016	64.311	.16893	41.302	48.364	.09469	.09469	227.77	.24524	72.473
#1	2.4789	.00116	30.064	-.00232	.00118	18.317	39.198	.00047	.65341	.00102
#2	2.4736	.00308	29.992	-.00424	.00058	18.341	39.251	-.00200	.65568	.00316
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	2.0000									
Low Limit	-1.0000									

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00819**	**.00358**	**.01398**	**.00187**	**.01506**	**.00069**
Stddev	.00010	.00110	.04225	.00022	.00033	.00023
%RSD	1.1987	30.641	302.21	11.770	2.1926	33.865
#1	.00812	.00435	.04386	.00202	.01483	.00052
#2	.00826	.00280	-.01590	.00171	.01530	.00086
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**3301.4**	**50740.**	**5773.9**
Stddev	.3	195.	53.1
%RSD	.00991	.38337	.92020
#1	3301.6	50877.	5811.5
#2	3301.1	50602.	5736.4

Sample Name: 280-27750-O-4-A Acquired: 5/2/2012 12:01:40 Type: Unk
Method: 6500_025(v2) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 115806

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00028**	**.05086**	**.00176**	**.13732**	**.56403**	**.00008**	**-.00298**	**105.69**	**.00066**	**-.00046**
Stddev	.00036	.00023	.00392	.00049	.00064	.00002	.00025	.46	.00002	.00013
%RSD	129.21	.45807	222.37	.35341	.11367	23.917	8.3557	.43808	2.6230	28.742
#1	.00053	.05069	-.00101	.13766	.56357	.00009	-.00315	105.37	.00067	-.00056
#2	.00002	.05102	.00454	.13697	.56448	.00006	-.00280	106.02	.00065	-.00037
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01604**	**.00219**	**21.394**	**7.5661**	**.02686**	**30.502**	**.93714**	**.00135**	**13.103**	**.00197**
Stddev	.00001	.00031	.082	.0259	.00057	.148	.00512	.00016	.174	.00009
%RSD	.03847	14.366	.38328	.34288	2.1195	.48530	.54667	12.129	1.3307	4.4063
#1	.01604	.00197	21.336	7.5477	.02646	30.606	.94077	.00146	12.980	.00203
#2	.01603	.00241	21.451	7.5844	.02726	30.397	.93352	.00123	13.227	.00191
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.1151**	**.00390**	**5.8343**	**-.00031**	**.00721**	**18.742**	**40.108**	**.00033**	**.61613**	**-.00083**
Stddev	.0184	.00092	.0265	.00055	.00110	.064	.137	.00025	.00048	.00018
%RSD	1.6475	23.522	.45431	180.73	15.225	.34243	.34243	75.989	.07858	22.203
#1	1.1281	.00325	5.8531	-.00070	.00643	18.697	40.011	.00051	.61579	-.00096
#2	1.1021	.00455	5.8156	.00009	.00799	18.787	40.205	.00015	.61647	-.00070
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00142**	**.00212**	**.01788**	**.00082**	**.00565**	**.00035**
Stddev	.00024	.00357	.01237	.00006	.00057	.00012
%RSD	16.665	168.81	69.173	6.7848	10.030	33.589
#1	.00159	-.00041	.02663	.00086	.00605	.00044
#2	.00125	.00464	.00914	.00078	.00525	.00027
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**3287.9**	**50252.**	**5647.0**
Stddev	7.0	183.	26.3
%RSD	.21145	.36381	.46541
#1	3283.0	50122.	5665.6
#2	3292.8	50381.	5628.4

Sample Name: 280-27750-0-8-A Acquired: 5/2/2012 12:04:02 Type: Unk
Method: 6500_025(v2) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 115806

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	k **.00069**	k **.41773**	k **.00283**	**.09166**	**.35988**	k **.00012**	k **-.00039**	**141.61**	k **.00088**	k **.00050**
Stddev	.00015	.00145	.00081	.00035	.00003	.00003	.00271	.38	.00006	.00030
%RSD	21.568	.34682	28.513	.37761	.00724	25.711	700.48	.27060	6.8623	59.638
#1	k .00059	k .41670	k .00341	.09190	.35986	k .00010	k .00153	141.34	k .00084	k .00071
#2	k .00080	k .41875	k .00226	.09141	.35990	k .00014	k -.00230	141.88	k .00093	k .00029
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	271.441 {124}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01080**	k **.00545**	k **41.892**	**6.9249**	**.03178**	**39.694**	k **1.8678**	k **.00109**	**18.115**	**.00686**
Stddev	.00017	.00018	.086	.0430	.00100	.106	.0005	.00001	.020	.00024
%RSD	1.5667	3.3126	.20640	.62103	3.1518	.26752	.02824	1.0144	.11143	3.5157
#1	.01092	k .00532	k 41.953	6.8945	.03108	39.619	k 1.8681	k .00108	18.101	.00703
#2	.01068	k .00558	k 41.831	6.9554	.03249	39.769	k 1.8674	k .00110	18.129	.00669
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.89247**	k **.00450**	k **85.065**	k **-.00005**	kF **-.01303**	**16.643**	**35.616**	k **.00074**	**.59723**	k **.03604**
Stddev	.00368	.00048	.099	.00216	.00363	.057	.122	.00020	.00005	.00077
%RSD	.41265	10.571	.11604	4510.2	27.863	.34228	.34228	26.715	.00885	2.1316
#1	.89507	k .00484	k 85.135	k .00148	k -.01046	16.603	35.530	k .00060	.59719	k .03549
#2	.88986	k .00417	k 84.995	k -.00158	k -.01560	16.683	35.703	k .00088	.59727	k .03658
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					50.000					
Low Limit					-.01000					

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	k **.00897**	k **.00166**	k **.01006**	k **-.00008**	k **.00948**	k **-.00156**
Stddev	.00005	.00049	.01654	.00023	.00023	.00020
%RSD	.50504	29.681	164.49	310.53	2.4643	12.845
#1	k .00894	k .00200	k .02176	k -.00024	k .00964	k -.00170
#2	k .00900	k .00131	k -.00164	k .00009	k .00931	k -.00142
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**3231.1**	**50111.**	**5612.7**
Stddev	6.6	123.	21.2
%RSD	.20568	.24519	.37798
#1	3226.4	50198.	5627.7
#2	3235.8	50024.	5597.7

Sample Name: 280-28017-O-2-A Acquired: 5/2/2012 12:06:23 Type: Unk
Method: 6500_025(v2) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 116524

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00066**	**.01332**	**.00780**	**.23484**	**.28410**	**.00005**	**-.00286**	**119.58**	**.00059**	**.00024**
Stddev	.00017	.00033	.00169	.00065	.00107	.00003	.00239	.79	.00006	.00021
%RSD	25.992	2.4898	21.722	.27742	.37676	65.461	83.797	.66452	10.759	88.084
#1	.00078	.01355	.00660	.23438	.28334	.00003	-.00116	119.02	.00055	.00040
#2	.00054	.01308	.00900	.23530	.28486	.00008	-.00455	120.15	.00064	.00009
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00043**	**.00202**	**16.079**	**9.2366**	**.03221**	**34.875**	**.50963**	**.00047**	**48.462**	**.00201**
Stddev	.00016	.00007	.077	.0887	.00048	.128	.00210	.00012	.673	.00032
%RSD	36.856	3.5546	.48069	.95974	1.4990	.36804	.41282	26.701	1.3883	16.150
#1	.00054	.00197	16.024	9.1739	.03187	34.784	.50814	.00038	47.986	.00178
#2	.00031	.00208	16.133	9.2993	.03255	34.966	.51112	.00055	48.938	.00224
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.91780**	**-.00029**	**20.796**	**-.00179**	**.00155**	**18.929**	**40.508**	**-.00010**	**.48371**	**.00065**
Stddev	.00106	.00189	.058	.00115	.00324	.051	.110	.00080	.00299	.00239
%RSD	.11578	643.40	.28110	64.091	208.87	.27081	.27081	801.10	.61765	370.84
#1	.91705	.00104	20.754	-.00260	-.00074	18.893	40.431	.00047	.48160	.00234
#2	.91855	-.00163	20.837	-.00098	.00384	18.965	40.586	-.00067	.48582	-.00105
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00050**	**-.00013**	**.01889**	**.00010**	**.00821**	**.00043**
Stddev	.00017	.00216	.00794	.00041	.00000	.00015
%RSD	33.402	1622.1	42.033	389.64	.02628	34.708
#1	.00038	.00139	.01328	.00039	.00822	.00032
#2	.00061	-.00166	.02451	-.00018	.00821	.00053
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**3286.7**	**50090.**	**5646.1**
Stddev	3.2	70.	22.4
%RSD	.09746	.13982	.39757
#1	3289.0	50139.	5661.9
#2	3284.4	50040.	5630.2

Sample Name: 280-27820-O-2-A Acquired: 5/2/2012 12:08:45 Type: Unk
Method: 6500_025(v2) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 116012

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	k **.00023**	k **.07739**	k **-.00897**	**.05758**	**.04706**	k **.00010**	k **-.00392**	W **564.99**	k **.00116**	k **-.00058**
Stddev	.00007	.00091	.00237	.00159	.00026	.00000	.00576	5.09	.00004	.00003
%RSD	31.394	1.1781	26.393	2.7617	.55538	4.3011	146.89	.90029	3.5315	5.8261
#1	k .00028	k .07804	k -.01065	.05871	.04688	k .00011	k -.00799	568.59	k .00119	k -.00055
#2	k .00018	k .07675	k -.00730	.05646	.04725	k .00010	k .00015	561.39	k .00113	k -.00060
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass
High Limit								500.00		
Low Limit								-.05000		

Elem	Cr2055	Cu3247	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	271.441 {124}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	k **.00073**	k **.00105**	k **44.620**	**10.476**	**.18467**	**191.75**	k **1.0653**	k **.00026**	**111.38**	**-.00136**
Stddev	.00002	.00042	.044	.024	.00243	.78	.0005	.00001	.30	.00004
%RSD	2.6211	39.847	.09924	.23108	1.3160	.40527	.04368	3.1200	.27286	3.1727
#1	k .00074	k .00135	k 44.652	10.493	.18295	192.30	k 1.0656	k .00027	111.60	-.00139
#2	k .00071	k .00076	k 44.589	10.459	.18639	191.20	k 1.0650	k .00025	111.17	-.00133
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.55918**	k **.00085**	kF **666.72**	k **.00185**	kF **-.01876**	**18.157**	**38.855**	k **-.00153**	**1.4887**	k **.03519**
Stddev	.00409	.00031	1.77	.00079	.00646	.065	.139	.00076	.0009	.00033
%RSD	.73129	35.891	.26574	42.876	34.416	.35734	.35734	49.734	.05828	.94385
#1	.56207	k .00107	k 667.97	k .00241	k -.02333	18.111	38.757	k -.00206	1.4894	k .03496
#2	.55629	k .00064	k 665.46	k .00129	k -.01420	18.203	38.954	k -.00099	1.4881	k .03543
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit			200.00		50.000					
Low Limit			-.20000		-.01000					

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	k **.00089**	k **.00118**	k **-.00074**	k **-.00062**	k **.00343**	k **.00002**
Stddev	.00001	.00218	.00765	.00023	.00063	.00137
%RSD	.96305	183.89	1035.4	37.453	18.478	7179.5
#1	k .00090	k -.00036	k -.00615	k -.00045	k .00387	k -.00095
#2	k .00088	k .00272	k .00467	k -.00078	k .00298	k .00099
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**2998.0**	**46130.**	**5503.9**
Stddev	3.5	7.	14.5
%RSD	.11837	.01602	.26276
#1	2995.5	46136.	5514.1
#2	3000.5	46125.	5493.6

Sample Name: CCVH-1390999 Acquired: 5/2/2012 12:11:18 Type: QC
Method: 6500_025(v2) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00164**	**48.379**	**-.00156**	**.00629**	**.00045**	**.00007**	**1.0315**	**.04898**	**.00002**	**.00053**	**.00040**	**-.00479**
Stddev	.00066	.161	.00649	.00063	.00003	.00000	.0014	.00290	.00011	.00021	.00018	.00014
%RSD	40.318	.33221	414.98	10.049	7.4761	.19454	.13092	5.9112	528.09	40.326	43.403	3.0171
#1	-.00117	48.265	-.00615	.00585	.00042	.00007	1.0305	.05102	.00010	.00038	.00028	-.00490
#2	-.00211	48.493	.00302	.00674	.00047	.00007	1.0324	.04693	-.00006	.00068	.00053	-.00469
Check ?	None	Chk Pass	None	None	None	None	Chk Pass	None	None	None	None	None
Value												
Range												

Elem	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316	P_1782	Pb2203	S_1820	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**48.672**	**.05138**	**.00094**	**-.01326**	**.00046**	**.00067**	**253.44**	**.00140**	**.00998**	**-.00002**	**5.2000**	**-.00293**
Stddev	.077	.01221	.00036	.00704	.00000	.00015	.77	.00003	.00040	.00078	.0065	.00011
%RSD	.15822	23.758	37.882	53.080	.74868	22.991	.30431	1.8734	4.0447	4133.5	.12540	3.8938
#1	48.726	.06001	.00120	-.00828	.00046	.00078	252.90	.00138	.01026	.00054	5.2046	-.00285
#2	48.617	.04274	.00069	-.01824	.00047	.00056	253.99	.00141	.00969	-.00057	5.1954	-.00301
Check ?	Chk Pass	None	None	None	None	None	Chk Pass	None	None	None	Chk Pass	None
Value												
Range												

Elem	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00311**	**-.00425**	**-.00909**	**.00232**	**.00045**	**5.2044**	**.00829**	**.00288**	W **10.764**	**-.00464**	**.00170**	**-.04762**
Stddev	.00599	.01181	.02528	.00085	.00001	.0112	.00009	.00051	.062	.00035	.00014	.00256
%RSD	192.33	278.14	278.14	36.787	2.4924	.21461	1.0591	17.611	.57625	7.4620	8.2175	5.3713
#1	-.00112	.00411	.00879	.00172	.00046	5.2123	.00835	.00252	10.808	-.00489	.00160	-.04943
#2	.00735	-.01260	-.02697	.00292	.00044	5.1965	.00822	.00324	10.720	-.00440	.00179	-.04581
Check ?	None	None	None	None	None	Chk Pass	None	None	Chk Warn	None	None	None
Value									10.000			
Range									5.0000%			

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**3333.4**	**50395.**	**5680.6**
Stddev	5.5	143.	11.6
%RSD	.16598	.28318	.20481
#1	3337.3	50294.	5672.4
#2	3329.5	50496.	5688.8

Sample Name: CCV-1390955 Acquired: 5/2/2012 12:13:38 Type: QC
Method: 6500_025(v2) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.51320**	**.49322**	**1.0115**	**.48638**	**.49997**	**.45776**	**-.00116**	**4.6294**	**.50192**	**.50039**	**.50434**	**.53038**	**2.4412**
Stddev	.00225	.00070	.0011	.00003	.00091	.00282	.00174	.0211	.00204	.00189	.00003	.00230	.0118
%RSD	.43856	.14193	.11152	.00675	.18288	.61518	150.01	.45631	.40597	.37777	.00591	.43404	.48326
#1	.51479	.49371	1.0123	.48636	.50062	.45975	.00007	4.6443	.50336	.50173	.50432	.53201	2.4496
#2	.51161	.49272	1.0107	.48640	.49933	.45577	-.00239	4.6145	.50048	.49905	.50436	.52876	2.4329
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**49.943**	**.96099**	**19.616**	**.51310**	**.50328**	**4.8185**	**.49672**	**.96276**	**1.0356**	**.05025**	**.97877**	**1.0195**	**4.5232**
Stddev	.158	.00338	.077	.00187	.00133	.0410	.00179	.00392	.0023	.00165	.00480	.0008	.0081
%RSD	.31559	.35176	.39370	.36391	.26486	.85052	.36081	.40754	.22420	3.2746	.49013	.07577	.17891
#1	50.055	.96338	19.671	.51442	.50423	4.8475	.49799	.96553	1.0373	.05141	.98216	1.0190	4.5289
#2	49.832	.95860	19.561	.51178	.50234	4.7895	.49546	.95998	1.0340	.04909	.97538	1.0201	4.5175
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**9.6797**	**1.0045**	**.49201**	**.00011**	**.49257**	**1.0194**	**.04020**	**.50456**	**.51182**	**.49897**
Stddev	.0173	.0006	.00142	.00192	.00224	.0019	.01494	.00010	.00079	.00016
%RSD	.17891	.06104	.28778	1822.9	.45410	.18961	37.154	.01991	.15390	.03210
#1	9.6919	1.0040	.49301	-.00125	.49415	1.0208	.02964	.50463	.51238	.49886
#2	9.6675	1.0049	.49101	.00146	.49098	1.0180	.05076	.50449	.51126	.49909
Check ?	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value										
Range										

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**3389.8**	**51746.**	**5698.1**
Stddev	10.0	137.	27.9
%RSD	.29420	.26521	.48989
#1	3382.7	51649.	5678.4
#2	3396.8	51843.	5717.9

Sample Name: CCB Acquired: 5/2/2012 12:15:50 Type: QC
Method: 6500_025(v2) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00020**	**.00061**	**-.00046**	W **.00470**	**-.00007**	**.00013**	**-.00475**	**.00285**	**.00019**	**-.00024**	**.00004**
Stddev	.00019	.00052	.00447	.00093	.00023	.00008	.00055	.00272	.00011	.00014	.00003
%RSD	93.260	84.025	970.30	19.768	343.95	58.390	11.642	95.471	56.846	56.559	86.004
#1	.00007	.00025	.00270	.00535	-.00023	.00008	-.00436	.00093	.00011	-.00014	.00006
#2	.00034	.00098	-.00362	.00404	.00010	.00019	-.00514	.00478	.00026	-.00034	.00001
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				.00437							
Low Limit				-.00437							

Elem	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **-.00138**	**.00264**	**.02517**	**.00068**	**.00127**	**.00011**	**.00099**	W **.12029**	**-.00043**	**.00580**	**.00079**
Stddev	.00010	.00016	.01678	.00197	.00201	.00004	.00037	.00250	.00016	.00235	.00194
%RSD	7.4405	5.9414	66.687	288.58	158.50	30.589	37.931	2.0821	38.095	40.468	245.00
#1	-.00145	.00253	.03704	-.00071	.00269	.00014	.00072	.12206	-.00031	.00746	.00216
#2	-.00130	.00275	.01330	.00208	-.00015	.00009	.00125	.11852	-.00054	.00414	-.00058
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass
High Limit	.00136							.09160			
Low Limit	-.00136							-.09160			

Elem	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.05630**	**.00047**	**.00405**	**-.00170**	**-.00364**	**.00133**	**.00007**	**.00262**	**.00028**	**.00047**	**-.01900**
Stddev	.00092	.00005	.00030	.00723	.01547	.00033	.00001	.00084	.00005	.00152	.01611
%RSD	1.6326	10.898	7.3803	424.75	424.75	24.856	20.760	32.138	16.656	322.63	84.785
#1	.05565	.00051	.00384	.00341	.00730	.00157	.00006	.00322	.00024	.00154	-.03040
#2	.05695	.00044	.00426	-.00681	-.01458	.00110	.00008	.00203	.00031	-.00060	-.00761
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit											
Low Limit											

Elem	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm
Avg	**-.00057**	**.00230**	**.00025**
Stddev	.00008	.00038	.00024
%RSD	14.754	16.591	95.630
#1	-.00051	.00203	.00008
#2	-.00063	.00257	.00042
Check ?	Chk Pass	Chk Pass	Chk Pass
High Limit			
Low Limit			

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**3386.2**	**52292.**	**5638.0**
Stddev	3.3	94.	.5
%RSD	.09799	.17930	.00896
#1	3383.9	52226.	5638.4
#2	3388.6	52358.	5637.7

Sample Name: CCVL1390952 Acquired: 5/2/2012 12:18:15 Type: QC
Method: 6500_025(v2) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01133**	**.10502**	**.01160**	**.10340**	**.01058**	**.00099**	**.12157**	**.19743**	**.00526**	**.01070**	**.01031**	**.01528**	**.09922**
Stddev	.00052	.00072	.00050	.00004	.00016	.00006	.00139	.00042	.00008	.00004	.00004	.00075	.00121
%RSD	4.5916	.68890	4.2716	.03526	1.4869	6.4808	1.1404	.21111	1.4631	.37109	.39152	4.9392	1.2199
#1	.01170	.10451	.01195	.10337	.01069	.00104	.12059	.19772	.00520	.01067	.01033	.01581	.09836
#2	.01097	.10553	.01125	.10342	.01047	.00095	.12255	.19713	.00531	.01073	.01028	.01475	.10007
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**3.1708**	**.01111**	**.21145**	**.01082**	**.02082**	**1.1112**	**.04158**	**2.8885**	**.00977**	**.03508**	F **.00525**	**.01467**	**.44579**
Stddev	.0090	.00317	.00258	.00013	.00052	.0020	.00042	.0007	.00106	.00543	.00071	.00189	.01147
%RSD	.28245	28.569	1.2225	1.2390	2.5152	.18384	1.0055	.02333	10.864	15.486	13.517	12.870	2.5729
#1	3.1645	.01335	.21328	.01091	.02045	1.1127	.04187	2.8889	.01052	.03124	.00474	.01601	.43768
#2	3.1772	.00886	.20962	.01072	.02119	1.1098	.04128	2.8880	.00902	.03892	.00575	.01334	.45390
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Fail	Chk Pass	Chk Pass
Value											.01000		
Range											-30.000%		

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.95400**	**.10640**	**.01016**	**.01619**	**.01063**	**.01729**	F **.08378**	**.00955**	**.02496**	**.01432**
Stddev	.02455	.00176	.00003	.00032	.00008	.00187	.02228	.00010	.00072	.00258
%RSD	2.5729	1.6580	.26836	1.9940	.73630	10.827	26.593	1.0991	2.8984	18.008
#1	.93664	.10765	.01014	.01596	.01057	.01862	.06803	.00963	.02547	.01250
#2	.97136	.10516	.01018	.01642	.01068	.01597	.09954	.00948	.02445	.01615
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
Value							.06000			
Range							30.000%			

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**3484.9**	**53920.**	**5782.0**
Stddev	5.5	303.	22.5
%RSD	.15680	.56243	.38845
#1	3488.7	53705.	5797.9
#2	3481.0	54134.	5766.1

ICP Data Review Checklist

TALS BATCH NUMBER: 117854 - 117857, 117859 - 117860		**Earliest due date:** 5/1/12
Run Date: 5/1/12	**Analyst:** JKH + HES	**Instrument:** 25
QC programs/Methods Run: 200.7 6010B 6010C		

Review Items	Yes	No	N/A	2nd Level
A. Preparation/Matrix QC				
1. LCS done per prep batch and within QC limits?	✓			✓
2. Method blank done per prep batch and < 1/2 RL or CRDL (CLP) or < 2.2x MDL 200.7 ?	✓			✓
3. MS run at required frequency and within limits?	✓			✓
4. MSD or DU run at required frequency and RPD within SOP limits?	✓			✓
5. Serial dilution done per prep batch (or per SDG for CLP)?	✓			✓
6. Post digest spike analyzed if required (CLP, DOD & AFCEE only)? NCM Whether needed for DODV3, AFCEE 4.0, 6010c?	✓			✓
B. Calibration/Instrument Run QC				
1. ICV/CCV analyzed at appropriate frequency and within control limits ? (**6010B**: CLP = 90 - 110%; **200.7:** ICV = 95 - 105%, CCV 90-110%) If not in control, was the ICV or CCV reanalyzed twice to show return to control as per NELAP?	✓			✓
2. ICB/CCB analyzed at appropriate frequency and < RL or < CRDL (CLP) or < 2X MDL (DOD V3,AFCEE 4.0)? Was it less than the MDLV (6010C)	✓			✓
3. High Standard (HIGH) reanalyzed before samples and recovered within QC limits? (+-5%)	✓			✓
4. RL STD run and recovered within QC limits ? (± 50% for non-CLP, ± 20% for DoD V3 / AFCEE 4.0 / USACE)	✓			✓
5. Was the LLICV/LLCCV analyzed at appropriate frequency for 6010C and within control (+-30 % or +-20%)	✓			✓
6. ICSA/ICSAB run at required frequency and within SOP limits? (ICSA < 2X MDL AFCEE 4.0, DOD V3 or <RL std work or <MDLV 6010C))	✓			✓
C. Sample Results				
1. For 6010B, were samples with concentrations > the linear range for any parameter diluted and reanalyzed? For 200.7, were samples with concentrations within 90% of the linear range diluted and reanalyzed?	✓			✓
2. Are all reported results bracketed by in control QC?	✓			✓
D. Other				
1. Are all nonconformances documented appropriately?	✓			✓
2. Calculations checked for errors?	✓			✓
3. Transcriptions checked for errors? (Example: Are dilution factors that are entered into the sequence log correct?)	✓			✓
4. All client/project specific requirements met?	✓			✓
5. Date/time of analysis verified as correct?	✓			✓
6. PDF attached, verified uncorrupted?	✓			✓

Analyst: JKH **Date:** 5/2/12

Comments:

2nd Level Reviewer: [signature] **Date:** 5/2/12

Comments:

Sample Name: ICIS Acquired: 5/3/2012 10:27:34 Type: Cal
Method: 6500_025(v2) Mode: IR Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**-.00085**	**.00058**	**-.01326**	**-.00007**	**.00043**	**-.00002**	**.00010**	**-.00026**	**.00290**	**.00020**	**.00003**	**-.00004**	**.00381**
Stddev	.00001	.00002	.00011	.00002	.00013	.00064	.00015	.00015	.00063	.00008	.00004	.00005	.00005
%RSD	1.0471	3.0044	.81003	30.898	30.450	3118.2	161.44	58.792	21.646	40.644	124.42	116.99	1.3769
#1	-.00086	.00060	-.01318	-.00005	.00034	.00043	.00020	-.00037	.00334	.00014	.00000	-.00008	.00377
#2	-.00085	.00057	-.01333	-.00008	.00052	-.00047	-.00001	-.00015	.00245	.00026	.00006	-.00001	.00384

Elem	Fe2599	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Na8183	Ni2316	P_1782	Pb2203	S_1820
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**-.00031**	**.00013**	**.00204**	**.00107**	**-.00003**	**-.00013**	**-.00019**	**.01531**	**-.01320**	**.00022**	**-.00007**	**.00060**	**.00018**
Stddev	.00000	.00021	.00089	.00008	.00001	.00000	.00008	.00036	.00108	.00034	.00009	.00027	.00000
%RSD	1.5600	165.47	43.480	7.3446	51.357	2.8039	40.136	2.3643	8.1618	151.09	131.22	45.670	2.1758
#1	-.00031	.00028	.00267	.00101	-.00002	-.00013	-.00025	.01506	-.01397	-.00002	-.00013	.00041	.00018
#2	-.00030	-.00002	.00142	.00112	-.00004	-.00014	-.00014	.01557	-.01244	.00046	.00000	.00079	.00017

Elem	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**.00067**	**.00040**	**-.00006**	**-.00006**	**.00015**	**-.00117**	**-.00019**	**-.00033**	**-.00006**	**-.00005**	**.00020**	**-.00001**	**-.00121**
Stddev	.00001	.00007	.00041	.00041	.00006	.00103	.00005	.00000	.00007	.00000	.00004	.00001	.00004
%RSD	1.3961	18.583	680.05	680.05	43.443	88.080	26.042	.99053	119.00	4.8665	19.200	206.53	3.4382
#1	.00068	.00034	-.00035	-.00035	.00019	-.00190	-.00016	-.00032	-.00011	-.00005	.00023	.00000	-.00118
#2	.00067	.00045	.00023	.00023	.00010	-.00044	-.00023	-.00033	-.00001	-.00005	.00017	-.00002	-.00124

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**3439.8**	**55115.**	**5739.2**
Stddev	4.2	224.	.4
%RSD	.12292	.40578	.00780
#1	3442.8	54957.	5738.9
#2	3436.8	55273.	5739.5

Sample Name: ICAL1 Acquired: 5/3/2012 10:30:01 Type: Cal
Method: 6500_025(v2) Mode: IR Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599	K_7664	Li6707
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**.31004**	**.18182**	**.06642**	**.27309**	**6.0207**	**6.5062**	**1.7193**	**1.6298**	**.97067**	**.92831**	**.37395**	**.65238**	**4.0463**	**1.5218**
Stddev	.00235	.00033	.00048	.00007	.0038	.0243	.0022	.0008	.00091	.00194	.00338	.00018	.0029	.0027
%RSD	.75916	.18246	.72189	.02727	.06352	.37286	.13094	.04586	.09349	.20847	.90418	.02695	.07173	.18051
#1	.30838	.18158	.06608	.27314	6.0180	6.5233	1.7209	1.6292	.97003	.92694	.37156	.65226	4.0484	1.5237
#2	.31171	.18205	.06676	.27304	6.0234	6.4890	1.7177	1.6303	.97131	.92967	.37634	.65251	4.0443	1.5199

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Ti3349
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**1.1086**	**1.3084**	**.44127**	**1.2794**	**.71450**	**.07991**	**.51006**	**.18890**	**.06625**	**.27843**	**.27843**	**.18216**	**11.296**	**.41690**
Stddev	.0091	.0096	.00005	.0024	.00048	.00011	.00068	.00051	.00019	.00259	.00259	.00074	.004	.00284
%RSD	.81867	.73592	.01152	.18422	.06717	.13451	.13376	.26892	.29134	.92935	.92935	.40835	.03662	.68230
#1	1.1022	1.3016	.44130	1.2811	.71416	.07983	.50957	.18854	.06611	.27660	.27660	.18164	11.299	.41489
#2	1.1150	1.3152	.44123	1.2778	.71484	.07999	.51054	.18926	.06639	.28026	.28026	.18269	11.293	.41891

Elem	Tl1908	V_2924	Zn2062	Zr3391
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**.14418**	**.28292**	**.02526**	**.31545**
Stddev	.00024	.00241	.00012	.00013
%RSD	.16680	.85347	.49054	.04266
#1	.14435	.28121	.02517	.31535
#2	.14401	.28463	.02535	.31554

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**3352.6**	**53190.**	**5715.6**
Stddev	2.3	174.	17.4
%RSD	.06976	.32796	.30398
#1	3350.9	53314.	5703.3
#2	3354.2	53067.	5727.9

Sample Name: ICAL2 Acquired: 5/3/2012 10:32:14 Type: Cal
Method: 6500_025(v2) Mode: IR Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3092	Bi2230	Fe2714	Na8183	S_1820	Th2837	U_3701
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**4.4957**	**.24143**	**.66489**	**2.4355**	**.27266**	**.60962**	**.14449**
Stddev	.0077	.00145	.00180	.0040	.00085	.00521	.00136
%RSD	.17204	.59870	.27007	.16317	.31107	.85540	.94147
#1	4.5012	.24245	.66616	2.4383	.27326	.60593	.14353
#2	4.4902	.24041	.66362	2.4327	.27206	.61330	.14545

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**3242.8**	**50884.**	**5657.6**
Stddev	2.8	279.	45.2
%RSD	.08783	.54917	.79882
#1	3240.8	51081.	5625.6
#2	3244.8	50686.	5689.5

Sample Name: S1-1390954 Acquired: 5/3/2012 10:34:41 Type: QC
Method: 6500_025(v2) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.0089**	**1.0082**	**1.9973**	**1.0018**	**1.0007**	**.99563**	**-.00119**	**9.9613**	**1.0022**	**1.0007**	**1.0000**	**1.0098**	**5.0322**
Stddev	.0129	.0032	.0108	.0003	.0018	.00170	.00035	.0067	.0000	.0002	.0023	.0109	.0004
%RSD	1.2820	.32240	.53963	.03014	.18242	.17091	29.606	.06727	.00223	.02169	.22746	1.0759	.00695
#1	1.0181	1.0059	2.0049	1.0020	.99944	.99683	-.00144	9.9661	1.0023	1.0009	1.0016	1.0175	5.0325
#2	.99978	1.0105	1.9897	1.0016	1.0020	.99443	-.00094	9.9566	1.0022	1.0006	.99842	1.0021	5.0320
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Na8183	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**100.24**	**1.9931**	**40.524**	**1.0110**	**1.0005**	**9.9649**	**10.223**	**.99944**	**2.0040**	**2.0016**	**.00966**	**2.0062**	**2.0120**
Stddev	.26	.0001	.492	.0113	.0000	.0215	.074	.00004	.0055	.0020	.00292	.0076	.0017
%RSD	.25715	.00312	1.2146	1.1200	.00328	.21536	.72564	.00398	.27254	.09885	30.177	.37853	.08581
#1	100.05	1.9931	40.872	1.0191	1.0006	9.9497	10.275	.99941	2.0078	2.0030	.01173	2.0008	2.0133
#2	100.42	1.9932	40.176	1.0030	1.0005	9.9800	10.170	.99947	2.0001	2.0002	.00760	2.0115	2.0108
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass
Value													
Range													

Elem	Si2881	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**9.9638**	**21.322**	**2.0004**	**1.0004**	**-.00216**	**1.0018**	**2.0031**	**.02409**	**1.0025**	**1.0144**	**1.0016**
Stddev	.0275	.059	.0042	.0018	.00042	.0126	.0067	.00264	.0129	.0118	.0013
%RSD	.27619	.27619	.21118	.18187	19.428	1.2542	.33695	10.968	1.2867	1.1596	.13187
#1	9.9443	21.281	2.0034	.99915	-.00245	1.0107	2.0079	.02222	1.0116	1.0227	1.0006
#2	9.9832	21.364	1.9974	1.0017	-.00186	.99291	1.9983	.02596	.99338	1.0061	1.0025
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value											
Range											

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**3353.9**	**53097.**	**5713.6**
Stddev	7.3	510.	12.5
%RSD	.21687	.96006	.21867
#1	3348.8	52737.	5704.8
#2	3359.0	53457.	5722.5

Sample Name: S2-1390956 Acquired: 5/3/2012 10:36:53 Type: QC
Method: 6500_025(v2) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **-.00061**	**99.809**	**.00058**	**.00401**	**.00062**	**.00019**	**1.9757**	**.00691**	**.00019**	**.00117**	**.00094**	**-.00282**
Stddev	.00043	.026	.00258	.00083	.00007	.00012	.0187	.00002	.00003	.00012	.00004	.00014
%RSD	71.575	.02655	447.10	20.619	11.657	63.753	.94798	.22420	15.581	10.523	3.8945	4.8746
#1	-.00030	99.791	-.00125	.00460	.00067	.00027	1.9624	.00692	.00017	.00126	.00097	-.00272
#2	-.00091	99.828	.00241	.00343	.00056	.00010	1.9889	.00690	.00021	.00108	.00092	-.00292
Check ?	Chk Fail	Chk Pass	None	None	None	None	Chk Pass	None	None	None	None	None
Value	.00000											
Range	-.07000%											

Elem	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316	P_1782	Pb2203	S_1820	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**99.942**	**.07080**	**.00469**	**-.06832**	**.00030**	**.00128**	**499.95**	**.00281**	**.00631**	**-.00008**	**9.9400**	**.00429**
Stddev	.252	.02254	.00008	.00462	.00008	.00030	.77	.00042	.00217	.00012	.0380	.00080
%RSD	.25237	31.833	1.6807	6.7596	27.138	23.680	.15467	14.992	34.331	154.53	.38224	18.634
#1	100.12	.05486	.00475	-.06505	.00036	.00106	500.50	.00311	.00784	-.00016	9.9132	.00486
#2	99.764	.08673	.00464	-.07158	.00024	.00149	499.41	.00251	.00478	.00001	9.9669	.00373
Check ?	Chk Pass	None	None	None	None	None	Chk Pass	None	None	None	Chk Pass	None
Value												
Range												

Elem	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00778**	**.06181**	**.13227**	**.00381**	**.00078**	**10.071**	**.01146**	**.00067**	**20.311**	**-.00488**	**.00202**	**-.05282**
Stddev	.00208	.00049	.00106	.00115	.00006	.015	.00029	.00084	.021	.00024	.00038	.00099
%RSD	26.756	.79953	.79953	30.118	8.0489	.14569	2.5719	125.44	.10400	4.9665	19.004	1.8687
#1	.00630	.06146	.13152	.00300	.00083	10.060	.01167	.00127	20.326	-.00471	.00230	-.05212
#2	.00925	.06216	.13302	.00462	.00074	10.081	.01125	.00008	20.296	-.00505	.00175	-.05352
Check ?	None	None	None	None	None	Chk Pass	None	None	Chk Pass	None	None	None
Value												
Range												

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**3199.3**	**50127.**	**5631.6**
Stddev	14.0	172.	15.0
%RSD	.43791	.34384	.26615
#1	3209.2	50248.	5642.2
#2	3189.4	50005.	5621.0

Sample Name: ICVH-1380902 Acquired: 5/3/2012 10:39:19 Type: QC
Method: 6500_025(v2) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00053**	**39.471**	**.00142**	**.00205**	**.00010**	**.00006**	**.50398**	**38.384**	**.00025**	**.00100**	**.00046**	**-.00068**
Stddev	.00062	.041	.00306	.00001	.00005	.00005	.00339	.073	.00001	.00021	.00003	.00037
%RSD	117.00	.10321	214.84	.36410	52.559	85.575	.67334	.18929	4.7297	21.414	6.4110	54.715
#1	-.00009	39.442	.00359	.00205	.00006	.00002	.50638	38.333	.00025	.00085	.00048	-.00095
#2	-.00096	39.500	-.00074	.00204	.00014	.00009	.50158	38.436	.00024	.00116	.00044	-.00042
Check ?	None	Chk Pass	None	None	None	None	Chk Pass	None	None	None	None	None
Value												
Range												

Elem	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316	P_1782	Pb2203	S_1820	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**79.535**	**.04445**	**.00319**	**-.02101**	**.00052**	**-.00083**	**40.594**	**.00001**	**.00399**	**-.00049**	**3.8032**	**.00068**
Stddev	.202	.03055	.00151	.00129	.00007	.00017	.039	.00014	.00237	.00012	.0038	.00010
%RSD	.25449	68.723	47.290	6.1524	14.490	20.819	.09518	1085.1	59.425	24.318	.10103	15.335
#1	79.392	.02285	.00212	-.02009	.00057	-.00071	40.567	.00011	.00567	-.00057	3.8059	.00076
#2	79.678	.06605	.00426	-.02192	.00046	-.00095	40.622	-.00009	.00231	-.00041	3.8005	.00061
Check ?	Chk Pass	None	None	None	None	None	Chk Pass	None	None	None	Chk Pass	None
Value												
Range												

Elem	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00114**	**.03242**	**.06937**	**.00121**	**.00049**	**2.9967**	**.00331**	**-.00147**	W **5.2940**	**-.00115**	**2.4653**	**-.01449**
Stddev	.00309	.01455	.03114	.00089	.00002	.0036	.00001	.00018	.0121	.00015	.0006	.00034
%RSD	270.40	44.890	44.890	73.211	3.8821	.11907	.20497	12.559	.22957	12.787	.02324	2.3175
#1	-.00333	.02213	.04735	.00184	.00047	2.9942	.00331	-.00160	5.2854	-.00126	2.4649	-.01426
#2	.00104	.04271	.09139	.00058	.00050	2.9992	.00330	-.00134	5.3026	-.00105	2.4657	-.01473
Check ?	None	None	None	None	None	Chk Pass	None	None	Chk Warn	None	None	None
Value									5.0000			
Range									5.4900%			

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**3348.2**	**52259.**	**5648.7**
Stddev	12.6	86.	16.0
%RSD	.37765	.16478	.28356
#1	3339.3	52198.	5660.1
#2	3357.1	52319.	5637.4

Sample Name: ICV-1383584 Acquired: 5/3/2012 10:42:52 Type: QC
Method: 6500_025(v2) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.24990**	**.25697**	**.23635**	**.24230**	**.24812**	**.23904**	**-.00192**	**1.9526**	**.24618**	**.24802**	**.24848**	**.25390**
Stddev	.00014	.00306	.00224	.00207	.00157	.00119	.00247	.0155	.00132	.00118	.00168	.00038
%RSD	.05687	1.1903	.94812	.85453	.63352	.49895	128.73	.79590	.53551	.47773	.67572	.14786
#1	.24980	.25481	.23793	.24083	.24701	.23820	-.00367	1.9416	.24525	.24718	.24729	.25417
#2	.25000	.25913	.23476	.24376	.24923	.23988	-.00017	1.9636	.24711	.24885	.24967	.25364
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value												
Range												

Elem	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.24974**	**19.882**	**.24951**	**9.8844**	**.25566**	**.24530**	**1.9267**	**.24867**	W **1.8847**	**.24805**	**.00256**	**.23855**
Stddev	.00364	.089	.00196	.0208	.00008	.00124	.0019	.00119	.0097	.00225	.00299	.00006
%RSD	1.4571	.44777	.78692	.21075	.03123	.50750	.09646	.47928	.51465	.90680	117.12	.02585
#1	.24717	19.819	.24813	9.8696	.25572	.24442	1.9280	.24783	1.8778	.24646	.00467	.23859
#2	.25231	19.944	.25090	9.8991	.25560	.24618	1.9254	.24951	1.8916	.24964	.00044	.23850
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	None	Chk Pass
Value									2.0000			
Range									-5.4900%			

Elem	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.48867**	**1.9824**	**4.2424**	**.49679**	**.24794**	**-.00150**	**.24685**	**.52005**	**.00704**	**.24691**	**.24868**	**.23987**
Stddev	.00898	.0151	.0323	.00060	.00148	.00045	.00006	.00674	.01113	.00008	.00009	.00244
%RSD	1.8385	.76159	.76159	.12004	.59731	30.285	.02608	1.2959	157.97	.03086	.03728	1.0158
#1	.48232	1.9717	4.2195	.49637	.24689	-.00118	.24681	.51529	-.00082	.24697	.24861	.23815
#2	.49502	1.9931	4.2652	.49722	.24899	-.00182	.24690	.52482	.01491	.24686	.24874	.24160
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value												
Range												

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**3408.4**	**54061.**	**5795.5**
Stddev	17.4	153.	13.2
%RSD	.51119	.28323	.22698
#1	3420.7	53953.	5804.8
#2	3396.0	54170.	5786.2

Sample Name: ICVL1397430 Acquired: 5/3/2012 10:46:02 Type: QC
Method: 6500_025(v2) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01031**	**.10707**	**.01054**	**.09769**	**.01001**	**.00094**	**.10778**	**.20062**	**.00509**	**.01053**	**.01013**	**.01597**	**.10154**
Stddev	.00018	.00035	.00065	.00055	.00003	.00004	.00108	.00109	.00010	.00019	.00010	.00016	.00110
%RSD	1.7006	.32228	6.1299	.56294	.27517	4.7418	1.0025	.54230	2.0073	1.7706	.99561	.97650	1.0814
#1	.01019	.10682	.01008	.09808	.01002	.00097	.10701	.20139	.00502	.01040	.01020	.01586	.10232
#2	.01043	.10731	.01100	.09730	.00999	.00091	.10854	.19986	.00516	.01067	.01006	.01608	.10077
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**3.0875**	F **.01314**	**.20622**	**.01054**	**.02010**	**.96636**	**.04134**	**2.8313**	**.00931**	**-.00537**	**.00943**	**.01533**	**.51019**
Stddev	.0050	.00244	.00248	.00002	.00013	.00457	.00010	.0184	.00038	.00210	.00079	.00420	.00575
%RSD	.16159	18.594	1.2033	.16392	.66708	.47309	.24499	.65110	4.0935	39.183	8.3381	27.367	1.1276
#1	3.0910	.01141	.20446	.01055	.02019	.96959	.04127	2.8183	.00904	-.00685	.00998	.01830	.51425
#2	3.0839	.01486	.20797	.01053	.02001	.96313	.04141	2.8444	.00958	-.00388	.00887	.01236	.50612
Check ?	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value		.01000											
Range		30.000%											

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.0918**	**.10151**	**.01016**	**.01563**	**.00985**	**.01494**	**.07556**	**.00955**	**.02355**	**.01520**
Stddev	.0123	.00105	.00004	.00154	.00023	.00019	.01794	.00041	.00037	.00027
%RSD	1.1276	1.0347	.35271	9.8522	2.3063	1.2967	23.747	4.2703	1.5662	1.7462
#1	1.1005	.10225	.01019	.01454	.01001	.01508	.08825	.00984	.02381	.01539
#2	1.0831	.10077	.01014	.01672	.00969	.01481	.06288	.00926	.02329	.01501
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value										
Range										

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**3452.7**	**54684.**	**5812.3**
Stddev	3.6	87.	31.1
%RSD	.10551	.16000	.53488
#1	3450.1	54622.	5790.3
#2	3455.2	54746.	5834.2

Sample Name: CCVH-1390999 Acquired: 5/3/2012 10:48:26 Type: QC
Method: 6500_025(v2) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2714
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00077**	**49.611**	**-.00442**	**.00193**	**.00031**	**-.00003**	**1.0093**	**.00202**	**-.00005**	**.00041**	**.00029**	**-.00176**	**49.613**
Stddev	.00039	.246	.00108	.00076	.00005	.00003	.0024	.00147	.00002	.00023	.00014	.00003	.306
%RSD	50.372	.49552	24.332	39.442	17.215	136.82	.23495	72.870	36.334	55.434	48.629	1.9073	.61629
#1	-.00105	49.785	-.00518	.00139	.00028	-.00005	1.0110	.00098	-.00007	.00057	.00019	-.00173	49.829
#2	-.00050	49.438	-.00366	.00247	.00035	.00000	1.0077	.00305	-.00004	.00025	.00039	-.00178	49.397
Check ?	None	Chk Pass	None	None	None	None	Chk Pass	None	None	None	None	None	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01329**	**.00253**	**-.03671**	**.00003**	**-.00079**	**248.20**	**.00151**	**.00199**	**.00022**	**4.9438**	**-.00108**	**-.00160**	**.03616**
Stddev	.01744	.00080	.00252	.00003	.00024	.73	.00001	.00128	.00085	.0008	.00049	.00263	.01036
%RSD	131.30	31.731	6.8632	100.19	31.122	.29518	.54683	64.016	380.86	.01633	44.996	164.57	28.657
#1	.02562	.00197	-.03849	.00001	-.00061	248.72	.00151	.00109	-.00038	4.9432	-.00074	-.00346	.04348
#2	.00095	.00310	-.03493	.00005	-.00096	247.68	.00150	.00290	.00083	4.9444	-.00142	.00026	.02883
Check ?	None	None	None	None	None	Chk Pass	None	None	None	Chk Pass	None	None	None
Value													
Range													

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.07737**	**.00125**	**.00028**	**4.9642**	**.00560**	**-.00113**	**10.254**	**-.00300**	**.00253**	**-.02587**
Stddev	.02217	.00106	.00004	.0491	.00019	.00060	.093	.00028	.00018	.00544
%RSD	28.657	84.667	15.659	.98861	3.3083	53.236	.90262	9.2762	7.0147	21.026
#1	.09305	.00050	.00031	4.9989	.00547	-.00071	10.320	-.00280	.00266	-.02971
#2	.06170	.00200	.00025	4.9295	.00573	-.00156	10.189	-.00319	.00241	-.02202
Check ?	None	None	None	Chk Pass	None	None	Chk Pass	None	None	None
Value										
Range										

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**3338.7**	**52592.**	**5790.7**
Stddev	9.5	788.	72.0
%RSD	.28484	1.4991	1.2425
#1	3345.4	52035.	5739.9
#2	3332.0	53150.	5841.6

Sample Name: CCV-1390955 Acquired: 5/3/2012 10:50:47 Type: QC
Method: 6500_025(v2) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.50616**	**.50861**	**.98688**	**.49394**	**.49663**	**.48777**	**-.00006**	**4.8886**	**.49663**	**.50262**	**.50033**	**.51120**	**2.4925**
Stddev	.00199	.00189	.00311	.00321	.00027	.00065	.00158	.0254	.00077	.00013	.00025	.00356	.0001
%RSD	.39365	.37171	.31467	.65053	.05388	.13254	2534.0	.52023	.15510	.02682	.05083	.69616	.00271
#1	.50757	.50728	.98908	.49622	.49682	.48732	.00105	4.8706	.49717	.50252	.50015	.51372	2.4924
#2	.50475	.50995	.98469	.49167	.49644	.48823	-.00118	4.9066	.49608	.50272	.50051	.50868	2.4925
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**49.685**	**.98163**	**20.208**	**.50925**	**.49930**	**4.8357**	**.50091**	**.97526**	**1.0151**	**-.00237**	**.98691**	**.99132**	**4.8415**
Stddev	.006	.00022	.008	.00112	.00065	.0024	.00105	.00023	.0019	.00021	.00319	.00483	.0406
%RSD	.01218	.02234	.03761	.21916	.13061	.05070	.20920	.02348	.19046	8.8327	.32372	.48744	.83939
#1	49.689	.98148	20.213	.51004	.49884	4.8340	.50017	.97510	1.0137	-.00252	.98465	.98790	4.8128
#2	49.681	.98179	20.202	.50846	.49976	4.8374	.50165	.97542	1.0164	-.00222	.98917	.99473	4.8703
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**10.361**	**1.0017**	**.49532**	**-.00192**	**.50066**	**1.0175**	**-.00704**	**.50194**	**.50516**	**.49622**
Stddev	.087	.0029	.00015	.00176	.00041	.0010	.00173	.00014	.00115	.00035
%RSD	.83939	.29209	.03034	91.833	.08252	.09457	24.640	.02755	.22806	.07120
#1	10.299	.99959	.49542	-.00317	.50095	1.0168	-.00581	.50184	.50598	.49647
#2	10.422	1.0037	.49521	-.00067	.50037	1.0181	-.00826	.50203	.50435	.49597
Check ?	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value										
Range										

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**3370.7**	**53116.**	**5807.3**
Stddev	5.5	170.	10.1
%RSD	.16418	.31988	.17414
#1	3374.6	52995.	5800.1
#2	3366.8	53236.	5814.4

Sample Name: ICB Acquired: 5/3/2012 10:53:00 Type: QC
Method: 6500_025(v2) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00009**	**.00027**	W **-.00515**	**-.00010**	**.00008**	**.00007**	**-.00123**	**-.00184**	**.00007**	**.00010**	**-.00001**
Stddev	.00047	.00023	.00368	.00004	.00003	.00004	.00025	.00115	.00010	.00014	.00001
%RSD	529.28	84.870	71.477	44.491	34.657	52.806	20.060	62.399	138.79	137.64	171.25
#1	.00025	.00042	-.00254	-.00013	.00006	.00009	-.00105	-.00103	.00014	.00020	-.00002
#2	-.00042	.00011	-.00775	-.00007	.00010	.00004	-.00140	-.00265	.00000	.00000	.00000
Check ?	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit			.00441								
Low Limit			-.00441								

Elem	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00010**	**.00036**	**.05817**	**.00031**	**-.00251**	**.00001**	**.00065**	**-.06596**	**.00021**	**.00098**	**-.00044**
Stddev	.00032	.00202	.02509	.00011	.00201	.00001	.00064	.00430	.00025	.00008	.00020
%RSD	319.63	566.64	43.128	35.284	80.041	106.23	97.353	6.5215	122.90	7.6743	45.614
#1	.00012	-.00107	.04043	.00024	-.00109	.00000	.00020	-.06900	.00039	.00093	-.00030
#2	-.00032	.00179	.07591	.00039	-.00393	.00002	.00110	-.06292	.00003	.00104	-.00059
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit											
Low Limit											

Elem	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00171**	**.00100**	**-.00272**	**.02394**	**.05123**	**-.00018**	**-.00002**	**.00043**	**.00025**	**-.00100**	**-.00415**
Stddev	.00068	.00219	.00056	.00868	.01857	.00023	.00005	.00132	.00008	.00129	.01226
%RSD	39.770	219.72	20.692	36.252	36.252	126.29	229.83	309.71	31.557	128.98	295.32
#1	-.00123	-.00055	-.00232	.01780	.03810	-.00002	.00001	.00136	.00031	-.00192	-.01282
#2	-.00219	.00254	-.00312	.03007	.06436	-.00035	-.00005	-.00051	.00019	-.00009	.00452
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit											
Low Limit											

Elem	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm
Avg	**-.00049**	**.00315**	**-.00047**
Stddev	.00018	.00014	.00149
%RSD	36.235	4.5179	318.08
#1	-.00036	.00305	-.00152
#2	-.00062	.00325	.00058
Check ?	Chk Pass	Chk Pass	Chk Pass
High Limit			
Low Limit			

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**3424.3**	**53887.**	**5636.7**
Stddev	27.3	64.	29.4
%RSD	.79632	.11961	.52193
#1	3405.0	53841.	5657.5
#2	3443.6	53933.	5615.9

Sample Name: CRI-1397431 Acquired: 5/3/2012 10:55:25 Type: QC
Method: 6500_025(v2) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01049**	**.10992**	W **.00610**	**.09952**	**.00540**	**.00102**	**.11026**	**.20546**	**.00528**	**.00538**	**.01071**	**.01079**
Stddev	.00043	.00028	.00343	.00041	.00013	.00003	.00284	.00051	.00008	.00011	.00010	.00043
%RSD	4.1282	.25846	56.204	.41030	2.4202	2.5356	2.5742	.24742	1.4444	2.0216	.90785	4.0204
#1	.01080	.11013	.00368	.09924	.00549	.00100	.11227	.20582	.00534	.00530	.01064	.01110
#2	.01018	.10972	.00853	.09981	.00531	.00104	.10825	.20510	.00523	.00546	.01078	.01048
Check ?	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value			.01000									
Range			-20.490%									

Elem	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.03241**	**1.0767**	W **.01421**	**.21305**	**.00334**	**.01041**	**.96008**	**.01066**	**.98001**	W **.00172**	**.10280**	**.00875**
Stddev	.00003	.0173	.00042	.00061	.00001	.00026	.00490	.00001	.00062	.00087	.00521	.00167
%RSD	.08238	1.6089	2.9738	.28765	.21421	2.5128	.51036	.12212	.06352	50.451	5.0681	19.116
#1	.03243	1.0889	.01451	.21262	.00334	.01059	.95661	.01065	.97957	.00234	.10648	.00993
#2	.03239	1.0644	.01391	.21349	.00333	.01022	.96354	.01067	.98045	.00111	.09912	.00756
Check ?	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass
Value			.01000							.00300		
Range			20.490%							-20.490%		

Elem	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00860**	**.50246**	**1.0753**	**.02076**	**.00526**	**.01012**	**.00989**	**.01102**	**.06146**	**.00962**	W **.01296**	**.00912**
Stddev	.00008	.00916	.0196	.00045	.00001	.00080	.00013	.00032	.01165	.00057	.00007	.00040
%RSD	.91559	1.8229	1.8229	2.1476	.12664	7.8735	1.2772	2.8910	18.952	5.8862	.52572	4.4026
#1	.00855	.49598	1.0614	.02107	.00527	.00956	.00980	.01080	.05323	.01003	.01301	.00883
#2	.00866	.50893	1.0891	.02044	.00526	.01068	.00997	.01125	.06970	.00922	.01291	.00940
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass
Value											.01000	
Range											20.490%	

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**3438.6**	**54524.**	**5796.3**
Stddev	11.0	155.	1.4
%RSD	.32011	.28348	.02418
#1	3430.8	54414.	5797.3
#2	3446.3	54633.	5795.3

Sample Name: X Acquired: 5/3/2012 11:01:16 Type: Unk
Method: 6500_025(v2) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00018**	**-.00070**	**.01417**	**-.00032**	**.00003**	**.00003**	**-.00409**	**-.00155**	**-.00003**	**.00012**
Stddev	.00003	.00010	.00360	.00062	.00009	.00002	.00137	.00081	.00003	.00030
%RSD	15.478	13.885	25.367	193.53	366.95	53.892	33.446	52.471	126.28	260.41
#1	.00020	-.00063	.01163	-.00076	.00009	.00002	-.00506	-.00212	.00000	-.00010
#2	.00016	-.00077	.01671	.00012	-.00004	.00004	-.00312	-.00097	-.00005	.00033
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00004**	**-.00010**	**.00077**	**.03165**	**.00012**	**-.00120**	**-.00001**	**-.00001**	**-.08170**	**.00009**
Stddev	.00012	.00015	.00039	.05159	.00205	.00005	.00002	.00028	.00421	.00015
%RSD	292.56	147.70	50.282	162.98	1765.7	3.8360	282.68	4504.9	5.1550	173.23
#1	.00004	-.00021	.00104	.06813	.00156	-.00123	-.00003	-.00020	-.07872	.00019
#2	-.00013	.00000	.00050	-.00482	-.00133	-.00116	.00001	.00019	-.08467	-.00002
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00053**	**.00968**	**-.00194**	**-.00236**	**-.00201**	**.02653**	**.05677**	**-.00066**	**-.00001**	**.00038**
Stddev	.00143	.00034	.00263	.00032	.00030	.01044	.02233	.00023	.00001	.00029
%RSD	271.62	3.5157	135.59	13.657	14.953	39.342	39.342	35.535	81.548	76.312
#1	-.00049	.00944	-.00008	-.00213	-.00222	.01915	.04098	-.00082	-.00002	.00017
#2	.00154	.00992	-.00380	-.00258	-.00180	.03391	.07256	-.00049	-.00001	.00058
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00002**	**-.00183**	**.00342**	**-.00024**	**.02081**	**.00093**
Stddev	.00027	.00019	.01879	.00010	.00097	.00004
%RSD	1563.0	10.440	548.65	40.054	4.6392	4.3742
#1	-.00020	-.00169	.01671	-.00018	.02012	.00096
#2	.00017	-.00196	-.00986	-.00031	.02149	.00090
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**3396.7**	**53885.**	**5688.7**
Stddev	.8	576.	55.8
%RSD	.02465	1.0680	.98069
#1	3397.3	54292.	5728.2
#2	3396.1	53478.	5649.3

Sample Name: CRI-1398063 Acquired: 5/3/2012 11:04:09 Type: Unk
Method: 6500_025(v2) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00004**	**-.00001**	**.01884**	**.00021**	**.00020**	**.00002**	**-.00069**	**.00217**	**-.00006**	**-.00012**
Stddev	.00009	.00010	.00253	.00005	.00001	.00001	.00092	.00079	.00014	.00005
%RSD	208.56	1000.6	13.442	25.266	6.7086	61.627	133.55	36.613	216.82	46.307
#1	.00002	.00006	.02063	.00025	.00021	.00002	-.00134	.00161	.00003	-.00015
#2	-.00010	-.00008	.01705	.00017	.00019	.00001	-.00004	.00273	-.00016	-.00008
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00027**	**.00002**	**.00017**	**.00778**	**.00209**	**-.00094**	**-.00002**	**-.00038**	**-.08528**	**-.00028**
Stddev	.00001	.00010	.00125	.01256	.00056	.00052	.00001	.00038	.00296	.00012
%RSD	4.2063	531.10	727.78	161.54	26.891	54.597	26.074	98.816	3.4723	44.615
#1	.00028	.00009	-.00071	.01666	.00249	-.00131	-.00002	-.00065	-.08738	-.00036
#2	.00026	-.00005	.00105	-.00111	.00169	-.00058	-.00003	-.00011	-.08319	-.00019
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00081**	**.00936**	**-.00157**	**-.00109**	**-.00026**	**.01436**	**.03072**	**-.00055**	**.00000**	**.00027**
Stddev	.00115	.00077	.00209	.00018	.00663	.00478	.01023	.00010	.00002	.00055
%RSD	142.38	8.2412	133.47	16.888	2524.7	33.306	33.306	18.099	701.29	205.18
#1	.00162	.00882	-.00305	-.00122	-.00495	.01774	.03796	-.00062	-.00001	.00066
#2	-.00001	.00991	-.00009	-.00096	.00443	.01098	.02349	-.00048	.00001	-.00012
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00009**	**-.00185**	**-.00166**	**-.00038**	**.02046**	**.00024**
Stddev	.00011	.00320	.01136	.00009	.00022	.00129
%RSD	122.33	173.38	684.21	23.717	1.0832	539.10
#1	-.00001	-.00411	.00637	-.00045	.02031	.00116
#2	-.00016	.00042	-.00969	-.00032	.02062	-.00068
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**3397.7**	**54167.**	**5734.7**
Stddev	3.9	195.	26.3
%RSD	.11373	.35956	.45870
#1	3395.0	54305.	5753.3
#2	3400.5	54030.	5716.1

Sample Name: ICSA-1363295 Acquired: 5/3/2012 11:10:04 Type: QC
Method: 6500_025(v2) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00006**	**493.85**	**.00151**	**-.00432**	**.00059**	**.00005**	**-.00010**	**458.84**	**.00067**	**-.00073**	W **.00261**
Stddev	.00016	.25	.00544	.00144	.00021	.00003	.00239	4.37	.00007	.00033	.00034
%RSD	240.87	.05159	360.62	33.426	35.043	58.288	2481.8	.95139	10.719	44.802	13.131
#1	.00005	494.03	.00536	-.00330	.00045	.00003	.00160	455.75	.00062	-.00050	.00285
#2	-.00017	493.67	-.00234	-.00534	.00074	.00007	-.00179	461.92	.00072	-.00096	.00237
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn
High Limit											.00133
Low Limit											-.00133

Elem	Cu3247	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **.00449**	**189.09**	**-.02245**	W **.00651**	**501.83**	**.00023**	**-.00369**	**-.03200**	**-.00072**	**-.00098**	**.00336**
Stddev	.00022	.41	.00483	.00230	4.47	.00004	.00015	.01186	.00015	.00563	.00051
%RSD	4.9750	.21446	21.534	35.315	.89048	18.762	4.0483	37.054	21.018	574.31	15.204
#1	.00433	189.38	-.02587	.00813	504.99	.00026	-.00380	-.04038	-.00083	.00300	.00300
#2	.00465	188.81	-.01903	.00488	498.67	.00020	-.00359	-.02361	-.00062	-.00496	.00372
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	.00272			.00522							
Low Limit	-.00272			-.00522							

Elem	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00220**	**.00253**	**-.00660**	W **.02668**	**.05709**	**-.00201**	W **.00184**	W **-.01546**	**.00043**	**-.00060**	**.03548**
Stddev	.00205	.00194	.00638	.00743	.01589	.00005	.00009	.00228	.00029	.00234	.00540
%RSD	93.083	76.652	96.683	27.838	27.838	2.4281	4.7858	14.773	66.879	390.11	15.206
#1	-.00075	.00390	-.00209	.02143	.04585	-.00198	.00178	-.01385	.00063	.00106	.03930
#2	-.00365	.00116	-.01112	.03193	.06833	-.00205	.00190	-.01708	.00022	-.00226	.03167
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Warn	None	Chk Pass	Chk Warn	Chk Warn	Chk Pass	Chk Pass	Chk Pass
High Limit				.00694			.00050	.00800			
Low Limit				-.06940			-.00050	-.00800			

Elem	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm
Avg	**.00110**	**.00119**	**.00051**
Stddev	.00053	.00097	.00097
%RSD	48.060	82.120	192.90
#1	.00073	.00188	-.00018
#2	.00147	.00050	.00119
Check ?	Chk Pass	Chk Pass	Chk Pass
High Limit			
Low Limit			

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**3023.3**	**46699.**	**5702.3**
Stddev	5.8	25.	20.2
%RSD	.19099	.05392	.35445
#1	3019.2	46682.	5688.0
#2	3027.4	46717.	5716.6

Sample Name: ICSAB-1380196 Acquired: 5/3/2012 11:12:47 Type: QC
Method: 6500_025(v2) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2714	K_7664
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.0909**	**489.96**	**1.9294**	**1.8219**	**.48581**	**.46654**	**.99730**	**447.98**	**.99717**	**.45013**	**.47166**	**.54366**	**187.19**	**51.282**
Stddev	.0065	.10	.0011	.0030	.00045	.00056	.00269	7.15	.00071	.00107	.00159	.00126	.07	.128
%RSD	.59659	.01993	.05744	.16268	.09189	.11905	.26931	1.5967	.07100	.23696	.33756	.23216	.03970	.25003
#1	1.0863	490.03	1.9286	1.8198	.48613	.46693	.99540	442.92	.99667	.44937	.47053	.54277	187.14	51.191
#2	1.0955	489.89	1.9302	1.8240	.48550	.46614	.99920	453.04	.99768	.45088	.47279	.54455	187.24	51.373
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value														
Range														

Elem	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.0196**	**498.25**	**.50071**	**.93241**	**51.120**	**.88258**	**1.8772**	**.87316**	**.99267**	**.92335**	**4.7210**	**9.7110**	**20.782**	**8.7648**
Stddev	.0034	2.03	.00213	.00189	.308	.00252	.0037	.00455	.00155	.00909	.0082	.0091	.019	.0245
%RSD	.33542	.40748	.42605	.20241	.60313	.28511	.19706	.52066	.15565	.98493	.17276	.09358	.09358	.27923
#1	1.0221	496.81	.49920	.93107	50.902	.88080	1.8746	.86995	.99158	.91691	4.7153	9.7046	20.768	8.7475
#2	1.0172	499.68	.50222	.93374	51.338	.88436	1.8798	.87638	.99377	.92978	4.7268	9.7174	20.795	8.7821
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value														
Range														

Elem	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.97672**	**2.0241**	**.97724**	**8.2642**	**.01785**	**.49035**	**.94979**	**.96046**
Stddev	.00142	.0055	.00250	.0030	.02366	.00014	.00349	.00094
%RSD	.14564	.26975	.25627	.03641	132.53	.02761	.36768	.09814
#1	.97772	2.0203	.97547	8.2621	.00112	.49044	.94732	.96112
#2	.97571	2.0280	.97901	8.2663	.03459	.49025	.95226	.95979
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value								
Range								

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**3046.6**	**46698.**	**5744.9**
Stddev	6.3	65.	18.1
%RSD	.20599	.13996	.31504
#1	3051.0	46744.	5757.7
#2	3042.1	46652.	5732.1

Sample Name: LRA-1341785 Acquired: 5/3/2012 11:15:07 Type: QC
Method: 6500_025(v2) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2714
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**2.0658**	**.06876**	**9.7308**	**9.5742**	**11.779**	**.00248**	**-.00619**	**.00652**	**1.9811**	**4.9003**	**9.7187**	**10.682**	**502.27**
Stddev	.0009	.00239	.0153	.0024	.143	.00003	.00613	.00216	.0035	.0025	.0063	.102	1.23
%RSD	.04537	3.4714	.15760	.02544	1.2142	1.3275	99.113	33.150	.17559	.05187	.06472	.95608	.24445
#1	2.0651	.06707	9.7200	9.5725	11.880	.00250	-.01052	.00804	1.9786	4.8985	9.7143	10.755	503.14
#2	2.0665	.07045	9.7417	9.5760	11.677	.00246	-.00185	.00499	1.9835	4.9021	9.7232	10.610	501.40
Check ?	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	None	None	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.06648**	**.00098**	**-.05629**	**10.123**	**4.8598**	**-.08214**	**9.7892**	**.00946**	**9.9185**	**.00607**	**-.01028**	**4.8921**	**47.941**
Stddev	.00815	.00033	.00367	.003	.0024	.00248	.0081	.00383	.0153	.00554	.00261	.0276	.271
%RSD	12.265	33.746	6.5132	.03108	.04974	3.0171	.08275	40.498	.15432	91.227	25.370	.56333	.56469
#1	-.06071	.00122	-.05370	10.125	4.8581	-.08039	9.7835	.00675	9.9076	.00998	-.00844	4.8726	47.750
#2	-.07225	.00075	-.05888	10.121	4.8616	-.08390	9.7949	.01217	9.9293	.00215	-.01213	4.9116	48.132
Check ?	None	None	None	Chk Pass	None	None	Chk Pass	None	Chk Pass	None	None	None	None
Value													
Range													

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**102.59**	**.00644**	**9.9414**	**-.03825**	**9.9552**	**4.9589**	**.03551**	**9.9578**	**9.8378**	**.00098**
Stddev	.58	.00012	.0300	.00035	.0172	.0125	.00727	.0019	.0306	.00034
%RSD	.56469	1.8404	.30213	.92083	.17316	.25144	20.464	.01946	.31060	34.782
#1	102.18	.00653	9.9627	-.03850	9.9430	4.9501	.04064	9.9564	9.8162	.00122
#2	103.00	.00636	9.9202	-.03800	9.9674	4.9677	.03037	9.9591	9.8594	.00074
Check ?	None	None	Chk Pass	None	Chk Pass	None	None	Chk Pass	Chk Pass	None
Value										
Range										

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**3364.5**	**52700.**	**5833.9**
Stddev	8.0	140.	39.1
%RSD	.23686	.26482	.67029
#1	3370.1	52799.	5806.3
#2	3358.8	52601.	5861.6

Sample Name: CCVH-1390999 Acquired: 5/3/2012 11:17:48 Type: QC
Method: 6500_025(v2) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00014**	**49.403**	**-.00016**	**.01100**	**.00094**	**.00002**	**1.0055**	**.00205**	**.00007**	**.00054**	**.00044**	**-.00015**
Stddev	.00025	.009	.00016	.00228	.00021	.00010	.0085	.00029	.00000	.00019	.00007	.00008
%RSD	182.10	.01824	101.61	20.743	22.726	488.24	.84626	14.184	6.2862	35.755	16.109	54.590
#1	.00004	49.396	-.00028	.01262	.00109	-.00005	1.0115	.00226	.00007	.00068	.00039	-.00021
#2	-.00032	49.409	-.00005	.00939	.00079	.00009	.99948	.00185	.00007	.00040	.00049	-.00009
Check ?	None	Chk Pass	None	None	None	None	Chk Pass	None	None	None	None	None
Value												
Range												

Elem	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316	P_1782	Pb2203	S_1820	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**49.501**	**.01180**	**.00302**	**-.03204**	**.00033**	**.00682**	**249.33**	**.00172**	**.00268**	**.00034**	**4.8941**	**-.00268**
Stddev	.152	.02900	.00097	.00253	.00004	.00221	.21	.00015	.00030	.00006	.0377	.00045
%RSD	.30635	245.70	32.066	7.8976	10.747	32.357	.08349	8.4650	11.263	18.465	.76994	16.851
#1	49.609	.03231	.00370	-.03383	.00030	.00526	249.47	.00162	.00247	.00039	4.9208	-.00236
#2	49.394	-.00870	.00233	-.03025	.00035	.00838	249.18	.00182	.00289	.00030	4.8675	-.00300
Check ?	Chk Pass	None	None	None	None	None	Chk Pass	None	None	None	Chk Pass	None
Value												
Range												

Elem	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00407**	**.07803**	**.16699**	**.00172**	**.00084**	**5.0540**	**.00817**	**.00033**	W **10.572**	**-.00232**	**.00274**	**-.02568**
Stddev	.00149	.02472	.05291	.00043	.00006	.0061	.00042	.00036	.044	.00013	.00004	.00106
%RSD	36.559	31.684	31.684	24.732	6.9493	.12147	5.1013	110.79	.41473	5.4041	1.6078	4.1343
#1	.00302	.09551	.20440	.00202	.00088	5.0497	.00787	.00007	10.603	-.00241	.00277	-.02493
#2	.00513	.06055	.12957	.00142	.00079	5.0584	.00846	.00058	10.541	-.00223	.00270	-.02643
Check ?	None	None	None	None	None	Chk Pass	None	None	Chk Warn	None	None	None
Value									10.000			
Range									5.0000%			

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**3288.8**	**51009.**	**5731.7**
Stddev	22.5	313.	16.9
%RSD	.68407	.61416	.29429
#1	3272.9	51231.	5743.6
#2	3304.7	50788.	5719.7

Sample Name: CCV-1390955 Acquired: 5/3/2012 11:20:08 Type: QC
Method: 6500_025(v2) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.51340**	**.51401**	**.98558**	**.50025**	**.49621**	**.48673**	**-.00092**	**4.8146**	**.49857**	**.50560**	**.50372**	**.52230**	**2.5062**
Stddev	.00071	.00244	.00143	.00240	.00234	.00348	.00256	.0272	.00206	.00109	.00027	.00168	.0035
%RSD	.13825	.47451	.14472	.48059	.47197	.71398	277.14	.56543	.41362	.21489	.05381	.32253	.13868
#1	.51390	.51228	.98457	.50195	.49455	.48427	-.00273	4.7954	.50003	.50637	.50353	.52111	2.5038
#2	.51290	.51573	.98659	.49855	.49786	.48918	.00088	4.8339	.49711	.50483	.50391	.52350	2.5087
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**49.975**	**.97195**	**20.525**	**.51903**	**.50438**	**4.7296**	**.50257**	**.98230**	**1.0179**	**.00101**	**.99431**	**.99024**	**4.8609**
Stddev	.176	.00556	.013	.00033	.00065	.0187	.00029	.00657	.0023	.00006	.00824	.00153	.0705
%RSD	.35253	.57220	.06271	.06336	.12807	.39446	.05719	.66843	.22567	5.7383	.82894	.15475	1.4502
#1	49.851	.96801	20.516	.51926	.50392	4.7164	.50277	.98694	1.0163	.00105	1.0001	.99132	4.8111
#2	50.100	.97588	20.534	.51879	.50484	4.7428	.50237	.97765	1.0195	.00097	.98848	.98915	4.9108
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**10.402**	**1.0029**	**.49737**	**-.00086**	**.50289**	**1.0230**	**.01474**	**.50088**	**.51130**	**.49889**
Stddev	.151	.0015	.00257	.00066	.00081	.0023	.00399	.00074	.00151	.00478
%RSD	1.4502	.15447	.51599	76.453	.16074	.22105	27.056	.14686	.29618	.95858
#1	10.296	1.0040	.49555	-.00132	.50232	1.0246	.01192	.50036	.51237	.49551
#2	10.509	1.0018	.49918	-.00039	.50347	1.0214	.01756	.50140	.51023	.50228
Check ?	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value										
Range										

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**3361.1**	**52668.**	**5792.1**
Stddev	9.8	43.	7.7
%RSD	.29010	.08111	.13359
#1	3354.2	52638.	5797.6
#2	3368.0	52698.	5786.6

Sample Name: CCB Acquired: 5/3/2012 11:22:21 Type: QC
Method: 6500_025(v2) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00015**	**.00020**	**-.00190**	**.00242**	**.00014**	**.00001**	**.00140**	**-.00063**	**.00003**	**.00006**	**-.00012**
Stddev	.00010	.00044	.00369	.00031	.00026	.00005	.00048	.00016	.00008	.00001	.00001
%RSD	63.558	216.20	194.47	12.992	180.66	592.28	34.149	25.014	263.34	15.035	6.6569
#1	.00008	.00051	-.00450	.00264	.00032	.00004	.00174	-.00052	.00009	.00006	-.00012
#2	.00022	-.00011	.00071	.00220	-.00004	-.00003	.00106	-.00075	-.00003	.00007	-.00011
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit											
Low Limit											

Elem	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00028**	**.00260**	**-.00114**	**.00199**	**-.00252**	**.00000**	**.00117**	W **-.10612**	**.00014**	**-.00083**	**-.00054**
Stddev	.00010	.00056	.02565	.00107	.00068	.00006	.00012	.00276	.00008	.00066	.00090
%RSD	34.583	21.554	2253.1	53.632	27.051	1572.8	10.634	2.6045	56.471	79.085	167.16
#1	.00021	.00220	-.01927	.00274	-.00204	.00004	.00108	-.10416	.00008	-.00129	.00010
#2	.00035	.00299	.01700	.00124	-.00300	-.00004	.00126	-.10807	.00019	-.00037	-.00118
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass
High Limit								.09160			
Low Limit								-.09160			

Elem	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00575**	**.00164**	**-.00173**	**.02953**	**.06320**	**-.00001**	**.00008**	**.00128**	**.00004**	**-.00116**	**-.00896**
Stddev	.00197	.00070	.00002	.00928	.01986	.00187	.00004	.00011	.00004	.00213	.01591
%RSD	34.306	42.513	1.1027	31.428	31.428	17196.	50.798	8.5272	93.237	184.24	177.56
#1	-.00435	.00115	-.00172	.02297	.04916	-.00134	.00005	.00120	.00001	.00035	.00229
#2	-.00714	.00213	-.00175	.03610	.07725	.00131	.00011	.00136	.00007	-.00266	-.02021
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit											
Low Limit											

Elem	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm
Avg	**-.00039**	**.00353**	**.00027**
Stddev	.00020	.00001	.00163
%RSD	50.483	.33796	608.12
#1	-.00053	.00353	-.00088
#2	-.00025	.00352	.00142
Check ?	Chk Pass	Chk Pass	Chk Pass
High Limit			
Low Limit			

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**3418.5**	**54013.**	**5782.8**
Stddev	1.4	137.	27.3
%RSD	.04209	.25410	.47167
#1	3417.5	54110.	5763.6
#2	3419.5	53916.	5802.1

Sample Name: CCVL1397430 Acquired: 5/3/2012 11:24:47 Type: QC
Method: 6500_025(v2) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01007**	**.10601**	F **.00936**	**.09886**	**.01010**	**.00101**	**.10853**	**.19574**	**.00524**	**.01039**	**.01041**	**.01608**	**.10204**
Stddev	.00032	.00018	.00227	.00024	.00019	.00003	.00023	.00150	.00016	.00015	.00034	.00024	.00260
%RSD	3.2103	.17119	24.217	.24319	1.9186	3.0079	.21260	.76626	2.9692	1.4557	3.2430	1.4969	2.5515
#1	.01030	.10588	.01096	.09869	.00996	.00099	.10869	.19468	.00513	.01028	.01065	.01625	.10388
#2	.00984	.10614	.00776	.09903	.01023	.00103	.10836	.19680	.00535	.01049	.01017	.01591	.10020
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value			.01500										
Range			-30.000%										

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**3.0539**	**.01240**	**.20946**	**.01065**	**.02030**	**.91721**	**.04071**	**2.8126**	**.00908**	**-.00517**	**.00757**	F **.01014**	**.50528**
Stddev	.0400	.00247	.00235	.00001	.00023	.00174	.00039	.0183	.00123	.00110	.00029	.00055	.01819
%RSD	1.3111	19.876	1.1211	.10713	1.1108	.19018	.94864	.65163	13.571	21.245	3.8595	5.4590	3.6001
#1	3.0822	.01066	.20779	.01066	.02014	.91598	.04098	2.8255	.00996	-.00439	.00737	.01053	.49242
#2	3.0256	.01415	.21112	.01064	.02046	.91845	.04044	2.7996	.00821	-.00595	.00778	.00975	.51815
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Fail	Chk Pass
Value												.01500	
Range												-30.000%	

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.0813**	**.10148**	**.01012**	**.01542**	**.00977**	**.01532**	**.06028**	**.00990**	**.02360**	**.01551**
Stddev	.0389	.00107	.00004	.00044	.00006	.00052	.03578	.00007	.00024	.00197
%RSD	3.6001	1.0562	.39045	2.8778	.57341	3.4227	59.355	.75472	1.0143	12.678
#1	1.0538	.10224	.01015	.01573	.00973	.01570	.08558	.00995	.02344	.01690
#2	1.1088	.10072	.01009	.01510	.00981	.01495	.03498	.00984	.02377	.01412
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value										
Range										

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**3423.9**	**54184.**	**5911.8**
Stddev	4.1	.	18.3
%RSD	.11911	.00021	.30947
#1	3421.0	54185.	5898.8
#2	3426.7	54184.	5924.7

Sample Name: mb 280-117570/1-a Acquired: 5/3/2012 11:27:11 Type: Unk
Method: 6500_025(v2) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 117570 6010C Q4

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00009**	**.00964**	**-.00186**	F **.02448**	**.00038**	**.00006**	**-.00308**	**.02216**	**.00025**	**.00013**
Stddev	.00025	.00018	.00041	.00003	.00005	.00001	.00179	.00048	.00002	.00010
%RSD	281.60	1.8153	21.773	.10299	13.132	22.679	57.961	2.1457	9.5185	75.300
#1	.00026	.00952	-.00215	.02446	.00042	.00005	-.00435	.02183	.00027	.00020
#2	-.00009	.00976	-.00158	.02450	.00035	.00007	-.00182	.02250	.00023	.00006
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				.01000						
Low Limit				-.01000						

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00007**	**.00066**	**.01418**	**.01608**	**.00067**	**.00631**	**.00021**	**-.00001**	**.00804**	**-.00035**
Stddev	.00001	.00001	.00172	.01177	.00026	.00144	.00002	.00018	.00182	.00014
%RSD	13.017	2.2685	12.094	73.211	39.441	22.898	7.9388	1855.7	22.677	41.713
#1	.00008	.00067	.01297	.00776	.00048	.00529	.00022	-.00014	.00675	-.00045
#2	.00006	.00064	.01540	.02441	.00085	.00733	.00020	.00012	.00933	-.00024
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00451**	**-.00078**	W **.00554**	**-.00166**	**-.00355**	F **.14658**	**.31369**	**.01080**	**.00007**	**-.00041**
Stddev	.00073	.00116	.00090	.00111	.00279	.02570	.05500	.00023	.00001	.00052
%RSD	16.119	147.56	16.317	66.903	78.591	17.533	17.533	2.1343	11.341	126.62
#1	.00400	-.00160	.00618	-.00088	-.00552	.12841	.27480	.01096	.00008	-.00078
#2	.00503	.00003	.00490	-.00245	-.00158	.16476	.35258	.01064	.00007	-.00004
Check ?	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Fail	None	Chk Pass	Chk Pass	Chk Pass
High Limit			.00500			.01000				
Low Limit			-.00500			-.01000				

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00032**	**-.00285**	**.01962**	**-.00019**	**.00369**	**.00006**
Stddev	.00006	.00197	.03296	.00002	.00005	.00083
%RSD	17.887	69.115	168.01	12.865	1.2632	1325.1
#1	.00028	-.00425	.04293	-.00017	.00365	.00065
#2	.00036	-.00146	-.00369	-.00021	.00372	-.00052
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**3456.3**	**55156.**	**5957.6**
Stddev	1.3	401.	35.1
%RSD	.03742	.72662	.58854
#1	3455.4	54873.	5932.8
#2	3457.2	55440.	5982.4

Sample Name: lcs 280-117570/2-a Acquired: 5/3/2012 11:29:38 Type: Unk
Method: 6500_025(v2) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 117570 6010C Q4

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.05090**	**1.9136**	**.97224**	**1.0311**	**1.9715**	**.04880**	**2.0676**	**47.260**	**.09837**	**.48997**
Stddev	.00033	.0099	.00632	.0022	.0038	.00011	.0004	.103	.00047	.00158
%RSD	.64758	.51609	.64992	.21373	.19223	.22599	.02014	.21784	.47861	.32314
#1	.05067	1.9066	.96777	1.0295	1.9742	.04888	2.0673	47.332	.09804	.48885
#2	.05113	1.9205	.97671	1.0326	1.9688	.04872	2.0679	47.187	.09871	.49109
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.19948**	**.26095**	**.99901**	**49.998**	**.98175**	**49.341**	**.51393**	**1.0005**	**51.034**	**.48689**
Stddev	.00039	.00055	.00020	.097	.00068	.173	.00110	.0004	.163	.00095
%RSD	.19584	.21163	.01996	.19419	.06954	.34970	.21341	.03519	.31877	.19587
#1	.19920	.26056	.99915	50.067	.98224	49.219	.51315	1.0002	51.149	.48622
#2	.19975	.26134	.99887	49.930	.98127	49.463	.51470	1.0007	50.919	.48757
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**9.8042**	**.48229**	**.02239**	**.47958**	**1.9537**	**5.0720**	**10.854**	**1.9524**	**1.0023**	**1.0209**
Stddev	.0235	.00091	.00545	.00072	.0019	.0210	.045	.0054	.0012	.0029
%RSD	.23939	.18876	24.335	.15067	.09963	.41302	.41302	.27829	.11536	.27870
#1	9.7876	.48294	.01854	.48009	1.9523	5.0572	10.822	1.9486	1.0031	1.0189
#2	9.8208	.48165	.02625	.47907	1.9551	5.0868	10.886	1.9562	1.0015	1.0229
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.99385**	**1.9710**	F **2.2005**	**.50377**	**.48974**	**.48411**
Stddev	.00110	.0044	.0179	.00045	.00035	.00044
%RSD	.11080	.22184	.81103	.09021	.07162	.09175
#1	.99308	1.9680	2.1878	.50345	.48949	.48443
#2	.99463	1.9741	2.2131	.50409	.48999	.48380
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit			2.2000			
Low Limit			1.7000			

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**3265.9**	**51678.**	**5807.6**
Stddev	5.5	163.	7.3
%RSD	.16788	.31561	.12589
#1	3269.8	51794.	5812.8
#2	3262.1	51563.	5802.4

Sample Name: 280-28178-a-1-d Acquired: 5/3/2012 11:31:49 Type: Unk
Method: 6500_025(v2) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 117570 6010C Q4

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00067**	**57.777**	**.01677**	**.02519**	**.74780**	**.00349**	**-.00376**	**12.705**	**.00130**	**.02946**
Stddev	.00039	.118	.00366	.00003	.00064	.00010	.00318	.042	.00002	.00017
%RSD	57.805	.20354	21.808	.13279	.08525	2.8488	84.615	.32742	1.8834	.56174
#1	-.00040	57.694	.01418	.02516	.74735	.00356	-.00601	12.675	.00131	.02958
#2	-.00095	57.860	.01935	.02521	.74825	.00342	-.00151	12.734	.00128	.02934
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	271.441 {124}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.06051**	**.06659**	**62.474**	**14.361**	**.04560**	**10.973**	**2.4929**	**.00265**	**.20992**	**.04633**
Stddev	.00015	.00013	.222	.027	.00132	.045	.0065	.00076	.01295	.00008
%RSD	.24042	.19413	.35611	.18841	2.8860	.40939	.25960	28.688	6.1691	.17982
#1	.06040	.06650	62.317	14.380	.04467	11.005	2.4975	.00211	.21908	.04627
#2	.06061	.06668	62.631	14.342	.04653	10.942	2.4883	.00318	.20077	.04639
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **2.3705**	**.06031**	**1.0180**	**.00173**	**.00056**	**5.3312**	**11.409**	**.00869**	**.10415**	**.03202**
Stddev	.0049	.00013	.0014	.00297	.00146	.0810	.173	.00045	.00026	.00008
%RSD	.20580	.20845	.13371	171.88	260.37	1.5198	1.5198	5.1261	.25006	.26487
#1	2.3670	.06022	1.0190	.00383	-.00047	5.3885	11.531	.00900	.10433	.03208
#2	2.3739	.06040	1.0171	-.00037	.00159	5.2739	11.286	.00837	.10396	.03196
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	2.0000									
Low Limit	-1.0000									

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.2377**	**-.00214**	F **-.11556**	**.11669**	**.18683**	**.02185**
Stddev	.0032	.00008	.00903	.00000	.00007	.00213
%RSD	.25785	3.6353	7.8133	.00282	.03983	9.7601
#1	1.2400	-.00208	-.12194	.11669	.18678	.02034
#2	1.2355	-.00219	-.10917	.11668	.18688	.02335
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit			50.000			
Low Limit			-.10000			

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**3553.8**	**56029.**	**6323.5**
Stddev	2.5	155.	2.8
%RSD	.07092	.27691	.04496
#1	3552.0	55920.	6321.5
#2	3555.6	56139.	6325.5

Sample Name: 280-28178-a-2-d Acquired: 5/3/2012 11:34:08 Type: Unk
Method: 6500_025(v2) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 117570 6010C Q4

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00058**	**45.360**	**.01452**	**.01763**	**.51131**	**.00278**	**-.00400**	**7.6978**	**.00086**	**.02198**
Stddev	.00038	.160	.00254	.00013	.00166	.00001	.00169	.0180	.00014	.00031
%RSD	65.952	.35322	17.484	.76114	.32472	.19712	42.334	.23354	15.829	1.4251
#1	-.00085	45.247	.01272	.01772	.51014	.00279	-.00520	7.6851	.00076	.02220
#2	-.00031	45.474	.01631	.01753	.51248	.00278	-.00280	7.7105	.00095	.02176
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	271.441 {124}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.04512**	**.05161**	**48.571**	**10.234**	**.03680**	**8.0695**	**1.9368**	**.00125**	**.15338**	**.03454**
Stddev	.00012	.00012	.063	.084	.00042	.0087	.0025	.00029	.01078	.00011
%RSD	.26849	.23747	.12983	.82393	1.1322	.10748	.13116	22.820	7.0256	.31902
#1	.04520	.05169	48.526	10.175	.03709	8.0633	1.9351	.00145	.16100	.03446
#2	.04503	.05152	48.616	10.294	.03650	8.0756	1.9386	.00105	.14576	.03462
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.8942**	**.04762**	**.74642**	**-.00023**	**-.00409**	**4.6763**	**10.007**	**.00729**	**.06552**	**.02517**
Stddev	.0046	.00087	.00066	.00132	.00209	.0421	.090	.00014	.00025	.00134
%RSD	.24389	1.8244	.08782	567.97	50.965	.90101	.90101	1.9194	.37753	5.3171
#1	1.8975	.04700	.74688	-.00117	-.00557	4.7061	10.071	.00719	.06534	.02611
#2	1.8910	.04823	.74596	.00070	-.00262	4.6465	9.9435	.00739	.06569	.02422
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.1028**	**-.00343**	F **-.10761**	**.09400**	**.14744**	**.01442**
Stddev	.0091	.00134	.02115	.00057	.00013	.00045
%RSD	.82722	39.215	19.659	.61009	.09031	3.0926
#1	1.1092	-.00248	-.12256	.09359	.14734	.01473
#2	1.0963	-.00438	-.09265	.09440	.14753	.01410
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit			50.000			
Low Limit			-.10000			

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**3535.8**	**55681.**	**6254.8**
Stddev	2.5	118.	19.4
%RSD	.07153	.21122	.31005
#1	3537.6	55764.	6241.1
#2	3534.0	55598.	6268.5

Sample Name: 280-28178-a-3-d Acquired: 5/3/2012 11:36:29 Type: Unk
Method: 6500_025(v2) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 117570 6010C Q4

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00043**	**45.108**	**.01860**	**.01826**	**.56587**	**.00282**	**-.00214**	**7.7422**	**.00121**	**.02337**
Stddev	.00022	.048	.00217	.00048	.00170	.00004	.00048	.0160	.00003	.00018
%RSD	51.354	.10613	11.680	2.6441	.30107	1.3144	22.483	.20696	2.2925	.77401
#1	-.00027	45.142	.01707	.01861	.56707	.00285	-.00180	7.7535	.00119	.02350
#2	-.00058	45.074	.02014	.01792	.56466	.00280	-.00248	7.7309	.00123	.02325
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	271.441 {124}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.04527**	**.05210**	**48.784**	**10.351**	**.03862**	**8.1843**	**2.2055**	**.00253**	**.25561**	**.03690**
Stddev	.00058	.00006	.059	.027	.00112	.0058	.0026	.00036	.01386	.00022
%RSD	1.2857	.12459	.12142	.25782	2.8962	.07095	.11782	14.314	5.4207	.59962
#1	.04569	.05215	48.825	10.370	.03783	8.1884	2.2073	.00279	.26541	.03706
#2	.04486	.05206	48.742	10.332	.03942	8.1802	2.2036	.00228	.24582	.03674
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.9931**	**.05154**	**.73206**	**.00112**	**.00248**	**4.7267**	**10.115**	**.01021**	**.06893**	**.02729**
Stddev	.0044	.00052	.00804	.00275	.00050	.0144	.031	.00132	.00077	.00026
%RSD	.22249	1.0105	1.0979	245.01	20.311	.30367	.30367	12.976	1.1102	.96210
#1	1.9962	.05191	.72637	-.00082	.00284	4.7165	10.093	.00927	.06838	.02748
#2	1.9900	.05118	.73774	.00307	.00213	4.7368	10.137	.01115	.06947	.02711
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.0666**	**.00198**	W **-.09922**	**.09182**	**.15789**	**.01836**
Stddev	.0091	.00149	.00404	.00011	.00117	.00017
%RSD	.85003	75.078	4.0760	.12230	.73813	.89980
#1	1.0730	.00303	-.09636	.09174	.15872	.01848
#2	1.0602	.00093	-.10208	.09190	.15707	.01824
Check ?	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass
High Limit			45.000			
Low Limit			-.05000			

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**3548.2**	**55613.**	**6311.8**
Stddev	10.8	111.	24.3
%RSD	.30356	.19914	.38440
#1	3540.6	55535.	6328.9
#2	3555.8	55692.	6294.6

Sample Name: 280-28178-a-4-d Acquired: 5/3/2012 11:38:50 Type: Unk
Method: 6500_025(v2) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 117570 6010C Q4

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00046**	**48.387**	**.01780**	**.01717**	**.66787**	**.00305**	**-.00411**	**8.9448**	**.00113**	**.02735**
Stddev	.00054	.051	.00283	.00016	.00023	.00004	.00017	.0134	.00011	.00015
%RSD	118.14	.10458	15.887	.91457	.03488	1.1828	4.2145	.14932	10.164	.56526
#1	-.00084	48.352	.01580	.01706	.66804	.00303	-.00399	8.9354	.00105	.02724
#2	-.00008	48.423	.01980	.01728	.66771	.00308	-.00423	8.9542	.00121	.02746
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	271.441 {124}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.04974**	**.05949**	**54.154**	**11.185**	**.03899**	**9.1219**	**2.7372**	**.00128**	**.14236**	**.04122**
Stddev	.00023	.00046	.030	.028	.00088	.0082	.0031	.00013	.01545	.00012
%RSD	.46445	.76660	.05474	.24783	2.2633	.08958	.11445	9.8662	10.856	.30243
#1	.04990	.05982	54.175	11.166	.03961	9.1162	2.7349	.00119	.15328	.04131
#2	.04957	.05917	54.134	11.205	.03836	9.1277	2.7394	.00137	.13143	.04113
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **2.1549**	**.05679**	**.84618**	**-.00091**	**-.00131**	**3.8393**	**8.2161**	**.00577**	**.07591**	**.02856**
Stddev	.0011	.00112	.00129	.00226	.00093	.1239	.2651	.00106	.00014	.00001
%RSD	.05059	1.9772	.15231	248.64	70.760	3.2269	3.2269	18.378	.18566	.03033
#1	2.1557	.05759	.84527	-.00251	-.00196	3.9269	8.4035	.00652	.07581	.02856
#2	2.1541	.05600	.84709	.00069	-.00065	3.7517	8.0286	.00502	.07600	.02855
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	2.0000									
Low Limit	-1.0000									

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.0890**	**-.00441**	F **-.12341**	**.10004**	**.17125**	**.01766**
Stddev	.0012	.00154	.01638	.00016	.00015	.00008
%RSD	.10923	34.903	13.269	.16237	.08877	.44337
#1	1.0899	-.00550	-.11183	.10015	.17136	.01760
#2	1.0882	-.00332	-.13499	.09992	.17114	.01771
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit			50.000			
Low Limit			-.10000			

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**3550.7**	**55713.**	**6360.3**
Stddev	4.3	96.	45.4
%RSD	.12170	.17164	.71311
#1	3553.7	55645.	6392.4
#2	3547.6	55781.	6328.3

Sample Name: 280-28178-a-5-d Acquired: 5/3/2012 11:41:09 Type: Unk
Method: 6500_025(v2) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 117570 6010C Q4

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00030**	**46.024**	**.01757**	**.01810**	**.48311**	**.00260**	**-.00484**	**8.1229**	**.00091**	**.02106**
Stddev	.00015	.149	.00212	.00025	.00127	.00006	.00088	.0577	.00008	.00023
%RSD	48.546	.32313	12.063	1.3997	.26314	2.1754	18.128	.71027	9.2639	1.0928
#1	-.00020	45.919	.01607	.01792	.48221	.00256	-.00546	8.0821	.00085	.02090
#2	-.00040	46.130	.01907	.01828	.48401	.00264	-.00422	8.1637	.00097	.02122
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	271.441 {124}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.04461**	**.04680**	**50.403**	**11.142**	**.03746**	**8.5453**	**1.7914**	**.00109**	**.13215**	**.03542**
Stddev	.00034	.00005	.062	.027	.00260	.0147	.0040	.00008	.01100	.00022
%RSD	.76079	.10629	.12309	.23897	6.9454	.17211	.22275	7.0303	8.3214	.62674
#1	.04485	.04677	50.359	11.123	.03562	8.5557	1.7942	.00103	.13992	.03558
#2	.04437	.04684	50.447	11.161	.03930	8.5349	1.7886	.00114	.12437	.03526
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **2.0199**	**.04560**	**.83767**	**.00078**	**-.00038**	**3.5487**	**7.5942**	**.00711**	**.06806**	**.02504**
Stddev	.0028	.00076	.01295	.00186	.00010	.0389	.0833	.00005	.00018	.00053
%RSD	.13800	1.6724	1.5457	237.59	26.890	1.0967	1.0967	.75648	.26755	2.1353
#1	2.0179	.04506	.82851	-.00053	-.00045	3.5762	7.6531	.00708	.06793	.02466
#2	2.0218	.04614	.84682	.00210	-.00031	3.5212	7.5353	.00715	.06819	.02542
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	2.0000									
Low Limit	-1.0000									

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.0254**	**-.00219**	F **-.10744**	**.09421**	**.14309**	**.01445**
Stddev	.0026	.00046	.01527	.00062	.00148	.00060
%RSD	.25648	20.943	14.211	.65548	1.0343	4.1794
#1	1.0273	-.00251	-.09664	.09377	.14414	.01403
#2	1.0235	-.00186	-.11824	.09464	.14204	.01488
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit			50.000			
Low Limit			-.10000			

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**3519.9**	**55649.**	**6273.7**
Stddev	7.2	33.	16.1
%RSD	.20528	.05953	.25618
#1	3514.8	55625.	6285.1
#2	3525.0	55672.	6262.4

Sample Name: 280-28178-a-6-d Acquired: 5/3/2012 11:43:30 Type: Unk
Method: 6500_025(v2) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 117570 6010C Q4

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00008**	**55.733**	**.01914**	**.02020**	**.71353**	**.00330**	**-.00558**	**9.6885**	**.00089**	**.02859**
Stddev	.00014	.094	.00187	.00015	.00071	.00005	.00035	.0001	.00004	.00003
%RSD	173.81	.16816	9.7587	.72295	.09936	1.4356	6.1846	.00150	4.1150	.09313
#1	-.00018	55.799	.02046	.02010	.71404	.00327	-.00534	9.6886	.00087	.02861
#2	.00002	55.667	.01782	.02031	.71303	.00333	-.00583	9.6884	.00092	.02857
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	271.441 {124}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.05505**	**.06036**	**59.345**	**13.385**	**.04267**	**10.445**	**2.7552**	**.00081**	**.14702**	**.04599**
Stddev	.00007	.00000	.027	.012	.00020	.002	.0015	.00013	.00749	.00023
%RSD	.13202	.00475	.04531	.08648	.47701	.01952	.05490	16.476	5.0912	.49711
#1	.05510	.06036	59.326	13.376	.04252	10.444	2.7541	.00072	.14173	.04583
#2	.05500	.06035	59.364	13.393	.04281	10.447	2.7562	.00091	.15231	.04615
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **2.1353**	**.05451**	**.82173**	**-.00061**	**-.00147**	**4.2320**	**9.0564**	**.00684**	**.07974**	**.02955**
Stddev	.0060	.00155	.00837	.00174	.00637	.0440	.0941	.00044	.00012	.00113
%RSD	.27994	2.8449	1.0191	286.62	432.63	1.0388	1.0388	6.4651	.15542	3.8285
#1	2.1395	.05342	.82766	.00062	.00303	4.2630	9.1229	.00716	.07983	.02875
#2	2.1310	.05561	.81581	-.00184	-.00598	4.2009	8.9898	.00653	.07966	.03035
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	2.0000									
Low Limit	-1.0000									

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.2819**	**-.00339**	F **-.16025**	**.11016**	**.17158**	**.01907**
Stddev	.0069	.00048	.01209	.00017	.00086	.00007
%RSD	.53625	14.278	7.5448	.15222	.50386	.39018
#1	1.2868	-.00305	-.15170	.11028	.17219	.01912
#2	1.2771	-.00373	-.16880	.11004	.17097	.01901
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit			50.000			
Low Limit			-.10000			

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**3546.4**	**55437.**	**6325.1**
Stddev	.7	271.	4.7
%RSD	.02112	.48866	.07497
#1	3545.8	55245.	6321.8
#2	3546.9	55628.	6328.5

Sample Name: 280-28178-a-7-d Acquired: 5/3/2012 11:45:50 Type: Unk
Method: 6500_025(v2) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 117570 6010C Q4

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00055**	**55.380**	**.02370**	**.01665**	**.80224**	**.00344**	**-.00413**	**9.7466**	**.00125**	**.03056**
Stddev	.00073	.105	.00228	.00123	.00016	.00000	.00078	.0622	.00003	.00018
%RSD	131.22	.18922	9.6014	7.3715	.01945	.12338	18.958	.63797	2.1364	.59180
#1	-.00004	55.454	.02209	.01578	.80235	.00344	-.00358	9.7906	.00127	.03043
#2	-.00107	55.306	.02531	.01752	.80212	.00344	-.00469	9.7026	.00123	.03069
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	271.441 {124}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.05602**	**.06433**	**62.331**	**12.408**	**.04473**	**10.576**	**3.2594**	**.00146**	**.16110**	**.04720**
Stddev	.00015	.00028	.155	.053	.00245	.030	.0054	.00019	.00622	.00058
%RSD	.27253	.43060	.24854	.42563	5.4808	.28328	.16577	13.252	3.8626	1.2306
#1	.05613	.06452	62.441	12.446	.04299	10.555	3.2556	.00133	.16550	.04679
#2	.05592	.06413	62.222	12.371	.04646	10.597	3.2632	.00160	.15670	.04761
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **2.2248**	**.06046**	**.89897**	**-.00043**	**.00088**	**3.4683**	**7.4221**	**.00669**	**.08192**	**.02942**
Stddev	.0080	.00095	.00052	.00187	.00275	.0260	.0556	.00111	.00016	.00122
%RSD	.35871	1.5715	.05785	435.97	312.43	.74843	.74843	16.513	.19909	4.1598
#1	2.2304	.05979	.89934	-.00175	.00283	3.4866	7.4614	.00748	.08181	.02855
#2	2.2191	.06113	.89860	.00089	-.00107	3.4499	7.3828	.00591	.08204	.03028
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	2.0000									
Low Limit	-1.0000									

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.0645**	**-.00339**	F **-.13461**	**.11131**	**.18770**	**.01890**
Stddev	.0015	.00070	.00723	.00068	.00096	.00022
%RSD	.14511	20.546	5.3676	.61331	.50987	1.1421
#1	1.0634	-.00388	-.12951	.11082	.18838	.01905
#2	1.0656	-.00290	-.13972	.11179	.18703	.01874
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit			50.000			
Low Limit			-.10000			

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**3564.9**	**55793.**	**6328.1**
Stddev	7.6	100.	50.6
%RSD	.21367	.17966	.79991
#1	3570.3	55864.	6292.3
#2	3559.5	55723.	6363.9

Sample Name: CCVH-1390999 Acquired: 5/3/2012 11:48:10 Type: QC
Method: 6500_025(v2) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2714
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00046**	**48.886**	**.00153**	**.00224**	**.00036**	**.00001**	**1.0104**	**.00308**	**.00001**	**.00064**	**.00052**	**-.00198**	**48.978**
Stddev	.00023	.084	.00099	.00008	.00012	.00007	.0012	.00110	.00008	.00028	.00010	.00056	.157
%RSD	50.703	.17101	64.891	3.5839	33.131	712.04	.11353	35.667	1212.6	43.938	18.807	28.151	.32044
#1	-.00062	48.827	.00224	.00219	.00045	-.00004	1.0096	.00230	-.00005	.00044	.00059	-.00237	48.867
#2	-.00029	48.945	.00083	.00230	.00028	.00006	1.0112	.00386	.00007	.00084	.00045	-.00158	49.089
Check ?	None	Chk Pass	None	None	None	None	Chk Pass	None	None	None	None	None	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01948**	**.00310**	**-.03297**	**.00011**	**-.00062**	**246.10**	**.00125**	**.00288**	**-.00094**	**4.9140**	**-.00263**	**-.00151**	**.02814**
Stddev	.04358	.00092	.00110	.00004	.00019	1.39	.00017	.00137	.00060	.0099	.00113	.00388	.01340
%RSD	223.73	29.637	3.3211	33.410	30.844	.56505	13.591	47.664	63.219	.20221	43.128	257.02	47.624
#1	-.01134	.00375	-.03220	.00013	-.00076	245.12	.00137	.00385	-.00052	4.9210	-.00183	.00123	.01867
#2	.05029	.00245	-.03375	.00008	-.00049	247.09	.00113	.00191	-.00136	4.9070	-.00343	-.00425	.03762
Check ?	None	None	None	None	None	Chk Pass	None	None	None	Chk Pass	None	None	None
Value													
Range													

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.06023**	**.00107**	**.00026**	**5.0520**	**.00620**	**-.00144**	**10.490**	**-.00287**	**.00223**	**-.03275**
Stddev	.02868	.00017	.00002	.0010	.00049	.00024	.026	.00014	.00057	.00070
%RSD	47.624	15.565	7.3723	.01962	7.8455	16.818	.24486	4.7357	25.726	2.1396
#1	.03994	.00095	.00025	5.0513	.00586	-.00161	10.472	-.00297	.00264	-.03324
#2	.08051	.00118	.00028	5.0527	.00655	-.00127	10.509	-.00277	.00182	-.03225
Check ?	None	None	None	Chk Pass	None	None	Chk Pass	None	None	None
Value										
Range										

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**3317.7**	**52030.**	**5901.8**
Stddev	1.9	223.	.4
%RSD	.05670	.42852	.00748
#1	3316.4	52188.	5902.2
#2	3319.0	51872.	5901.5

Sample Name: CCV-1390955 Acquired: 5/3/2012 11:50:31 Type: QC
Method: 6500_025(v2) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.50860**	**.49687**	**.97430**	**.48904**	**.48951**	**.47842**	**-.00227**	**4.7477**	**.49243**	**.49693**	**.49448**	**.51958**	**2.4615**
Stddev	.00084	.00019	.00454	.00193	.00129	.00130	.00255	.0094	.00085	.00027	.00021	.00432	.0068
%RSD	.16609	.03914	.46594	.39435	.26344	.27102	112.36	.19783	.17202	.05352	.04214	.83080	.27717
#1	.50920	.49674	.97751	.48768	.48860	.47750	-.00408	4.7410	.49183	.49674	.49433	.51652	2.4566
#2	.50801	.49701	.97109	.49041	.49042	.47934	-.00047	4.7543	.49303	.49711	.49463	.52263	2.4663
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**49.112**	**.96418**	**20.058**	**.51065**	**.49394**	**4.6720**	**.49318**	**.95860**	**.99824**	**.00147**	**.97410**	**.97391**	**4.7366**
Stddev	.264	.00190	.056	.00036	.00120	.0037	.00036	.00007	.00089	.00536	.00137	.00133	.0097
%RSD	.53658	.19673	.28008	.07144	.24331	.07973	.07374	.00692	.08878	365.70	.14095	.13690	.20517
#1	48.926	.96284	20.097	.51091	.49479	4.6693	.49293	.95856	.99887	.00526	.97313	.97485	4.7297
#2	49.298	.96552	20.018	.51040	.49309	4.6746	.49344	.95865	.99762	-.00233	.97508	.97296	4.7435
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**10.136**	**.98816**	**.49019**	**-.00098**	**.49661**	**1.0065**	**.00472**	**.49631**	**.49456**	**.49272**
Stddev	.021	.00013	.00133	.00118	.00169	.0016	.00495	.00072	.00607	.00098
%RSD	.20517	.01349	.27106	121.02	.33959	.15997	104.91	.14434	1.2268	.19909
#1	10.122	.98807	.48925	-.00182	.49780	1.0053	.00122	.49682	.49885	.49341
#2	10.151	.98826	.49113	-.00014	.49542	1.0076	.00822	.49581	.49027	.49203
Check ?	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value										
Range										

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**3386.9**	**53052.**	**5886.0**
Stddev	.2	39.	13.3
%RSD	.00461	.07375	.22594
#1	3387.0	53025.	5895.4
#2	3386.7	53080.	5876.6

Sample Name: CCB Acquired: 5/3/2012 11:52:43 Type: QC
Method: 6500_025(v2) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00003**	**.00013**	**-.00207**	**.00103**	**-.00002**	**.00002**	**-.00052**	**-.00341**	**.00008**	**-.00005**	**.00000**	**-.00025**	**.00093**
Stddev	.00006	.00006	.00129	.00028	.00020	.00007	.00092	.00148	.00013	.00006	.00003	.00009	.00236
%RSD	206.52	42.980	62.531	27.315	1127.3	387.12	176.95	43.469	168.62	127.95	566.21	35.829	254.36
#1	.00001	.00018	-.00298	.00083	-.00016	-.00003	-.00117	-.00446	.00017	-.00009	-.00001	-.00032	-.00074
#2	-.00007	.00009	-.00115	.00123	.00013	.00006	.00013	-.00236	-.00002	.00000	.00002	-.00019	.00260
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit													
Low Limit													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00155**	**.00260**	**.00216**	**-.00001**	**.00098**	**-.09103**	**-.00018**	**-.00011**	**.00030**	**-.00311**	**.00165**	**-.00097**	**.02229**
Stddev	.03275	.00053	.00208	.00002	.00016	.00291	.00014	.00164	.00075	.00313	.00003	.00325	.02982
%RSD	2106.9	20.314	96.221	140.66	16.132	3.1925	75.312	1461.1	250.03	100.78	1.8945	333.56	133.78
#1	-.02161	.00223	.00363	-.00003	.00087	-.09309	-.00008	.00105	-.00023	-.00089	.00167	.00132	.04338
#2	.02471	.00297	.00069	.00000	.00109	-.08898	-.00028	-.00127	.00083	-.00533	.00163	-.00327	.00120
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit													
Low Limit													

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.04770**	**.00023**	**.00002**	**-.00039**	**-.00026**	**-.00188**	**.00871**	**-.00036**	**.00266**	**.00105**
Stddev	.06382	.00075	.00009	.00020	.00029	.00029	.00421	.00013	.00005	.00083
%RSD	133.78	333.49	393.63	50.651	109.41	15.451	48.397	34.809	2.0615	78.795
#1	.09283	-.00031	.00008	-.00025	-.00046	-.00167	.00573	-.00045	.00262	.00046
#2	.00258	.00076	-.00004	-.00053	-.00006	-.00209	.01169	-.00027	.00270	.00163
Check ?	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**3437.0**	**54258.**	**5897.4**
Stddev	2.3	271.	41.7
%RSD	.06678	.49923	.70718
#1	3435.4	54067.	5926.9
#2	3438.6	54450.	5867.9

Sample Name: CCVL-1397430 Acquired: 5/3/2012 11:55:08 Type: QC
Method: 6500_025(v2) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01042**	**.10367**	**.01094**	**.09553**	**.01018**	**.00099**	**.10886**	**.19456**	**.00496**	**.01027**	**.01018**	**.01559**	**.09881**
Stddev	.00035	.00023	.00207	.00051	.00011	.00003	.00249	.00484	.00020	.00015	.00027	.00031	.00062
%RSD	3.3463	.22305	18.889	.53578	1.0933	2.9827	2.2915	2.4888	4.1222	1.4756	2.6206	2.0189	.62600
#1	.01067	.10383	.01241	.09517	.01026	.00101	.10710	.19113	.00482	.01037	.00999	.01581	.09925
#2	.01017	.10351	.00948	.09589	.01010	.00096	.11063	.19798	.00511	.01016	.01037	.01537	.09837
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**3.0454**	**.01221**	**.20920**	**.01052**	**.01974**	**.91412**	**.04016**	**2.7518**	**.00853**	**-.00574**	**.00854**	**.01353**	**.50554**
Stddev	.0040	.00195	.00208	.00004	.00013	.01098	.00013	.0004	.00014	.00022	.00214	.00057	.02106
%RSD	.13021	15.980	.99267	.35438	.63800	1.2009	.32437	.01439	1.6152	3.9161	25.112	4.2285	4.1652
#1	3.0482	.01083	.21067	.01050	.01982	.92188	.04025	2.7516	.00863	-.00590	.01005	.01394	.49065
#2	3.0426	.01359	.20773	.01055	.01965	.90636	.04007	2.7521	.00843	-.00558	.00702	.01313	.52043
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.0819**	**.09929**	**.01008**	**.01534**	**.00991**	**.01411**	F **.08283**	**.00970**	**.02258**	**.01457**
Stddev	.0451	.00022	.00008	.00020	.00001	.00079	.01909	.00005	.00010	.00048
%RSD	4.1652	.22086	.77671	1.3228	.06435	5.5989	23.041	.55803	.46013	3.3070
#1	1.0500	.09913	.01014	.01548	.00992	.01355	.06934	.00974	.02251	.01423
#2	1.1137	.09944	.01003	.01519	.00991	.01466	.09633	.00966	.02266	.01491
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
Value							.06000			
Range							30.000%			

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**3431.1**	**54100.**	**5890.8**
Stddev	8.4	105.	18.9
%RSD	.24342	.19485	.32102
#1	3425.2	54026.	5877.4
#2	3437.0	54175.	5904.1

Sample Name: 280-28124-g-2-a Acquired: 5/3/2012 11:57:31 Type: Unk
Method: 6500_025(v2) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 117065 6010B Q4

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00080**	**380.81**	**.24303**	**.08933**	**1.1335**	**.02838**	**.01312**	**71.162**	**-.00404**	W **1.2061**
Stddev	.00013	.86	.00847	.00012	.0024	.00013	.00154	.142	.00027	.0025
%RSD	16.598	.22482	3.4855	.13168	.20845	.44907	11.751	.19907	6.7192	.21063
#1	-.00070	381.42	.23704	.08924	1.1352	.02829	.01421	71.262	-.00385	1.2079
#2	-.00089	380.21	.24902	.08941	1.1319	.02847	.01203	71.062	-.00423	1.2043
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn
High Limit										1.0000
Low Limit										-.01000

Elem	Cr2055	Cu3247	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	271.441 {124}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.48557**	**.17972**	W **977.66**	**21.763**	**.17152**	**54.545**	W **13.605**	**.00984**	**387.42**	**.16298**
Stddev	.00064	.00060	1.56	.042	.00053	.185	.051	.00075	.76	.00035
%RSD	.13148	.33277	.15917	.19267	.31163	.33895	.37790	7.6518	.19550	.21762
#1	.48602	.18014	978.76	21.792	.17190	54.675	13.642	.00931	387.96	.16323
#2	.48512	.17929	976.56	21.733	.17114	54.414	13.569	.01037	386.89	.16273
Check ?	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass
High Limit			500.00				10.000			
Low Limit			40.000				-.01000			

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **22.183**	**.24931**	**147.08**	**.00524**	**.03411**	**46.261**	**98.998**	**.01246**	**.53743**	**.02283**
Stddev	.062	.00065	.46	.00070	.00017	.383	.820	.00137	.00127	.00184
%RSD	.27813	.26189	.31261	13.406	.50932	.82808	.82808	11.026	.23687	8.0448
#1	22.227	.24977	147.40	.00475	.03423	46.532	99.578	.01343	.53833	.02412
#2	22.139	.24884	146.75	.00574	.03399	45.990	98.418	.01149	.53653	.02153
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	2.0000									
Low Limit	-1.0000									

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.2959**	**-.00529**	F **-.25756**	**.90401**	**.85447**	**.06890**
Stddev	.0034	.00280	.00482	.00196	.00697	.00122
%RSD	.25857	52.816	1.8704	.21643	.81574	1.7709
#1	1.2983	-.00727	-.26096	.90540	.85940	.06804
#2	1.2935	-.00332	-.25415	.90263	.84955	.06976
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit			50.000			
Low Limit			-.10000			

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**4255.2**	**65842.**	**8279.6**
Stddev	2.8	366.	12.3
%RSD	.06588	.55557	.14845
#1	4253.2	65583.	8270.9
#2	4257.2	66100.	8288.3

Sample Name: 280-28124-g-2-a@5 Acquired: 5/3/2012 12:00:03 Type: Unk
Method: 6500_025(v2) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 117065 6010B Q4

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00018**	**102.34**	**.06459**	**.02700**	**.30690**	**.00772**	**.00283**	**19.736**	**-.00100**	**.34448**
Stddev	.00081	.36	.00036	.00010	.00091	.00012	.00299	.101	.00030	.00003
%RSD	449.54	.35004	.56298	.37935	.29749	1.5965	105.68	.51317	29.515	.00762
#1	-.00076	102.08	.06485	.02707	.30625	.00763	.00494	19.665	-.00079	.34450
#2	.00039	102.59	.06434	.02692	.30754	.00781	.00071	19.808	-.00121	.34446
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	271.441 {124}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.13415**	**.04703**	**274.76**	**5.6880**	**.04550**	**15.404**	**3.9106**	**.00286**	**105.18**	**.04687**
Stddev	.00093	.00035	1.80	.0146	.00129	.052	.0264	.00034	.12	.00045
%RSD	.69648	.74241	.65383	.25599	2.8354	.33954	.67531	12.036	.11009	.96801
#1	.13481	.04678	273.49	5.6777	.04459	15.367	3.9293	.00262	105.10	.04655
#2	.13349	.04728	276.03	5.6983	.04642	15.441	3.8919	.00311	105.26	.04719
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **6.0707**	**.07249**	**39.645**	**.00245**	**.00989**	**15.004**	**32.109**	**.00458**	**.14522**	**.01256**
Stddev	.0016	.00311	.010	.00011	.00456	.064	.137	.00035	.00021	.00019
%RSD	.02625	4.2869	.02591	4.6988	46.111	.42615	.42615	7.6804	.14325	1.4907
#1	6.0696	.07468	39.638	.00236	.00666	14.959	32.013	.00483	.14508	.01269
#2	6.0719	.07029	39.652	.00253	.01311	15.050	32.206	.00433	.14537	.01243
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	2.0000									
Low Limit	-1.0000									

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.35365**	**-.00220**	F **-.10934**	**.24685**	**.24517**	**.01803**
Stddev	.00089	.00030	.02412	.00100	.00087	.00068
%RSD	.25189	13.417	22.058	.40531	.35578	3.7780
#1	.35302	-.00199	-.12640	.24615	.24579	.01851
#2	.35428	-.00241	-.09229	.24756	.24456	.01755
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit			50.000			
Low Limit			-.10000			

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**3566.4**	**55070.**	**6301.0**
Stddev	1.3	56.	84.6
%RSD	.03509	.10259	1.3426
#1	3567.3	55110.	6360.9
#2	3565.6	55030.	6241.2

Sample Name: 280-28178-a-8-j Acquired: 5/3/2012 12:02:27 Type: Unk
Method: 6500_025(v2) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 117570 6010C Q4

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00032**	**51.940**	**.01752**	**.01714**	**.66496**	**.00304**	**-.00460**	**8.2929**	**.00091**	**.02718**
Stddev	.00023	.362	.00075	.00075	.00386	.00003	.00137	.0723	.00011	.00006
%RSD	70.759	.69706	4.2633	4.3886	.57974	1.0720	29.796	.87218	11.862	.21307
#1	-.00049	51.684	.01804	.01768	.66223	.00301	-.00557	8.2418	.00099	.02714
#2	-.00016	52.196	.01699	.01661	.66769	.00306	-.00363	8.3441	.00084	.02722
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	271.441 {124}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.05133**	**.05826**	**55.685**	**11.296**	**.04067**	**9.5075**	**2.7502**	**.00160**	**.22666**	**.04193**
Stddev	.00006	.00016	.358	.109	.00027	.0131	.0007	.00004	.00462	.00032
%RSD	.11044	.27994	.64224	.96662	.67551	.13763	.02403	2.6807	2.0404	.76464
#1	.05129	.05815	55.433	11.219	.04087	9.5167	2.7507	.00163	.22993	.04170
#2	.05137	.05838	55.938	11.373	.04048	9.4982	2.7497	.00157	.22339	.04215
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.9136**	**.05493**	**.81621**	**.00212**	**-.00113**	**5.1183**	**10.953**	**.00728**	**.07472**	**.02653**
Stddev	.0095	.00032	.00751	.00271	.00587	.0768	.164	.00003	.00017	.00025
%RSD	.49474	.57639	.92045	127.68	517.71	1.5002	1.5002	.39659	.23316	.96051
#1	1.9069	.05515	.82153	.00021	-.00528	5.0640	10.837	.00730	.07459	.02671
#2	1.9203	.05470	.81090	.00404	.00302	5.1726	11.069	.00726	.07484	.02635
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.2747**	**-.00137**	F **-.13244**	**.10426**	**.16040**	**.01820**
Stddev	.0023	.00085	.01909	.00066	.00004	.00018
%RSD	.18141	61.810	14.412	.63294	.02480	.98562
#1	1.2730	-.00077	-.14594	.10473	.16043	.01833
#2	1.2763	-.00197	-.11894	.10380	.16037	.01807
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit			50.000			
Low Limit			-.10000			

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**3534.5**	**55538.**	**6264.0**
Stddev	2.3	119.	13.4
%RSD	.06405	.21394	.21460
#1	3536.1	55454.	6273.5
#2	3532.9	55622.	6254.5

Sample Name: SD 280-28178-a-8-j@5 Acquired: 5/3/2012 12:04:48 Type: Unk
Method: 6500_025(v2) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 117570 6010C Q4

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00014**	**11.421**	**.00036**	**.00430**	**.14530**	**.00068**	**-.00191**	**1.8361**	**.00031**	**.00585**
Stddev	.00045	.046	.00155	.00027	.00003	.00004	.00011	.0040	.00007	.00018
%RSD	317.59	.39878	426.37	6.3836	.02130	6.1173	5.7474	.21513	21.513	3.0788
#1	-.00018	11.389	-.00073	.00410	.14532	.00065	-.00183	1.8333	.00036	.00573
#2	.00046	11.453	.00146	.00449	.14528	.00070	-.00199	1.8389	.00026	.00598
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01121**	**.01225**	**12.129**	**2.4635**	**.01124**	**2.1224**	**.60354**	**.00019**	**-.02041**	**.00920**
Stddev	.00022	.00024	.007	.0048	.00036	.0067	.00075	.00006	.00634	.00016
%RSD	1.9380	1.9225	.05937	.19421	3.1939	.31551	.12480	28.640	31.065	1.7129
#1	.01106	.01209	12.124	2.4601	.01149	2.1177	.60407	.00016	-.02489	.00908
#2	.01136	.01242	12.134	2.4669	.01099	2.1272	.60301	.00023	-.01592	.00931
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.41713**	**.01295**	**.18226**	**.00066**	**-.00087**	**1.1599**	**2.4822**	**.00189**	**.01626**	**.00641**
Stddev	.00268	.00181	.00174	.00245	.00067	.0299	.0640	.00019	.00014	.00079
%RSD	.64151	13.974	.95549	368.38	77.055	2.5762	2.5762	10.176	.85028	12.336
#1	.41524	.01423	.18102	.00240	-.00134	1.1388	2.4370	.00175	.01616	.00585
#2	.41903	.01167	.18349	-.00107	-.00040	1.1811	2.5275	.00202	.01636	.00697
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.27488**	**-.00106**	**-.01062**	**.02223**	**.03941**	**.00521**
Stddev	.00097	.00115	.01604	.00025	.00102	.00075
%RSD	.35250	108.44	151.08	1.1039	2.5891	14.436
#1	.27556	-.00188	.00072	.02240	.03869	.00468
#2	.27419	-.00025	-.02196	.02206	.04013	.00574
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**3490.3**	**54463.**	**5963.3**
Stddev	19.2	23.	44.4
%RSD	.55074	.04281	.74459
#1	3503.8	54479.	5994.7
#2	3476.7	54446.	5931.9

Sample Name: 280-28178-a-8-k ms Acquired: 5/3/2012 12:07:10 Type: Unk
Method: 6500_025(v2) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 117570 6010C Q4

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.04920**	**87.858**	**.94054**	**.91266**	**2.5828**	**.04864**	F **1.9477**	**52.591**	**.09400**	**.48421**
Stddev	.00008	.065	.00035	.00012	.0015	.00032	.0013	.072	.00007	.00016
%RSD	.17071	.07439	.03745	.01320	.05792	.65799	.06575	.13637	.07391	.03299
#1	.04914	87.812	.94029	.91257	2.5838	.04887	1.9486	52.641	.09395	.48433
#2	.04926	87.904	.94079	.91275	2.5817	.04841	1.9468	52.540	.09404	.48410
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit							.10000			
Low Limit							-.10000			

Elem	Cr2055	Cu3247	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	271.441 {124}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.25386**	**.31418**	**60.365**	**63.840**	**.98384**	**58.902**	**3.1579**	**.92879**	**49.098**	**.50066**
Stddev	.00048	.00023	.099	.201	.00071	.153	.0064	.00077	.072	.00012
%RSD	.18731	.07183	.16342	.31433	.07220	.25943	.20181	.08258	.14650	.02488
#1	.25352	.31402	60.435	63.982	.98334	58.794	3.1534	.92933	49.149	.50075
#2	.25420	.31434	60.295	63.699	.98434	59.010	3.1624	.92825	49.048	.50057
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **10.840**	**.50119**	**.80515**	**.34868**	**1.8380**	**6.3155**	**13.515**	**1.7828**	**1.0393**	**.99188**
Stddev	.007	.00057	.00367	.00255	.0007	.0434	.093	.0038	.0005	.00749
%RSD	.06525	.11301	.45521	.73034	.03932	.68665	.68665	.21274	.04882	.75506
#1	10.845	.50159	.80255	.34688	1.8375	6.3461	13.581	1.7801	1.0397	.98658
#2	10.835	.50079	.80774	.35048	1.8385	6.2848	13.449	1.7854	1.0389	.99717
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	2.0000									
Low Limit	-1.0000									

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**2.8266**	**1.8087**	**1.9814**	**.61411**	**.62791**	**.47304**
Stddev	.0024	.0041	.0184	.00250	.00548	.00191
%RSD	.08560	.22608	.92634	.40663	.87235	.40303
#1	2.8249	1.8116	1.9944	.61234	.62404	.47169
#2	2.8283	1.8058	1.9685	.61587	.63178	.47439
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**3404.3**	**52897.**	**6194.4**
Stddev	3.2	236.	.2
%RSD	.09425	.44534	.00324
#1	3402.0	53063.	6194.6
#2	3406.6	52730.	6194.3

Sample Name: 280-28178-a-8-I msd Acquired: 5/3/2012 12:09:19 Type: Unk
Method: 6500_025(v2) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 117570 6010C Q4

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.04816	93.519	.92228	.90006	2.6016	.04826	F 1.9156	52.740	.09221	.47749
Stddev	.00021	.243	.00773	.00037	.0076	.00008	.0003	.137	.00050	.00022
%RSD	.43211	.26021	.83803	.04155	.29114	.16171	.01429	.26052	.53954	.04541
#1	.04802	93.691	.91681	.89980	2.6070	.04820	1.9154	52.838	.09186	.47734
#2	.04831	93.347	.92774	.90033	2.5963	.04831	1.9158	52.643	.09256	.47764
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit							.10000			
Low Limit							-.10000			

Elem	Cr2055	Cu3247	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	271.441 {124}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.25478	.31702	66.242	64.006	.96671	59.389	3.4156	.91522	47.891	.49466
Stddev	.00021	.00184	.105	.184	.00583	.052	.0049	.00059	.285	.00047
%RSD	.08184	.57937	.15922	.28801	.60281	.08731	.14203	.06458	.59455	.09513
#1	.25463	.31573	66.168	64.136	.97083	59.352	3.4122	.91481	48.092	.49500
#2	.25492	.31832	66.317	63.876	.96259	59.426	3.4190	.91564	47.689	.49433
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W 10.869	.49320	.92302	.33687	1.8050	7.6909	16.459	1.7500	1.0293	.98100
Stddev	.022	.00102	.00154	.00002	.0031	.0028	.006	.0014	.0028	.00002
%RSD	.19852	.20672	.16653	.00607	.17159	.03661	.03661	.07740	.27430	.00210
#1	10.884	.49392	.92411	.33686	1.8072	7.6929	16.463	1.7490	1.0313	.98101
#2	10.853	.49248	.92193	.33689	1.8028	7.6889	16.454	1.7510	1.0273	.98098
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	2.0000									
Low Limit	-1.0000									

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.9428	1.7666	1.9294	.61501	.63668	.46120
Stddev	.0009	.0046	.0144	.00015	.00094	.00030
%RSD	.03007	.25792	.74503	.02375	.14784	.06472
#1	2.9434	1.7698	1.9193	.61490	.63734	.46142
#2	2.9422	1.7633	1.9396	.61511	.63601	.46099
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	3431.8	52997.	6221.5
Stddev	.1	1.	30.6
%RSD	.00202	.00225	.49148
#1	3431.8	52998.	6199.9
#2	3431.9	52997.	6243.1

Sample Name: PDS 280-28178-a-8-j Acquired: 5/3/2012 12:11:28 Type: Unk
Method: 6500_025(v2) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 117570 6010C Q4

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.04599**	**51.787**	**.21887**	**.10805**	**.75076**	**.05202**	**-.00663**	**27.303**	**.05171**	**.07660**
Stddev	.00010	.017	.00049	.00028	.00029	.00000	.00025	.105	.00016	.00028
%RSD	.22744	.03341	.22483	.25730	.03903	.00960	3.7618	.38542	.30058	.37138
#1	.04606	51.775	.21921	.10786	.75055	.05201	-.00646	27.377	.05182	.07680
#2	.04592	51.799	.21852	.10825	.75096	.05202	-.00681	27.228	.05160	.07640
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	271.441 {124}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.10113**	**.11398**	**55.421**	**31.457**	**.13963**	**29.995**	**2.7651**	**.04983**	**21.618**	**.09038**
Stddev	.00030	.00023	.011	.007	.00214	.119	.0092	.00011	.245	.00049
%RSD	.29588	.19853	.02011	.02353	1.5337	.39676	.33136	.22632	1.1318	.54176
#1	.10092	.11414	55.413	31.462	.14114	29.911	2.7586	.04991	21.791	.09073
#2	.10135	.11382	55.429	31.452	.13811	30.079	2.7716	.04975	21.445	.09004
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **3.8352**	**.15284**	**.80006**	**.09100**	**.20298**	**9.4826**	**20.293**	**.09867**	**.12615**	**.24021**
Stddev	.0032	.00010	.00297	.00042	.00192	.0089	.019	.00000	.00043	.00285
%RSD	.08347	.06798	.37121	.46494	.94389	.09392	.09392	.00501	.34379	1.1859
#1	3.8374	.15277	.79796	.09130	.20434	9.4763	20.279	.09867	.12584	.23820
#2	3.8329	.15291	.80216	.09070	.20163	9.4889	20.306	.09868	.12646	.24223
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	2.0000									
Low Limit	-1.0000									

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.3123**	**.20084**	**.47809**	**.15489**	**.36112**	**.06333**
Stddev	.0049	.00001	.01422	.00033	.00262	.00078
%RSD	.37199	.00459	2.9734	.21397	.72454	1.2283
#1	1.3157	.20083	.48814	.15465	.35927	.06278
#2	1.3088	.20085	.46804	.15512	.36297	.06388
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**3519.9**	**54575.**	**6299.9**
Stddev	8.0	58.	4.7
%RSD	.22803	.10628	.07439
#1	3514.2	54616.	6296.6
#2	3525.5	54534.	6303.2

Sample Name: 280-28178-a-9-f Acquired: 5/3/2012 12:13:45 Type: Unk
Method: 6500_025(v2) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 117570 6010C Q4

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00027**	**53.076**	**.01893**	**.01807**	**.70156**	**.00320**	**-.00391**	**8.9486**	**.00097**	**.02894**
Stddev	.00024	.118	.00406	.00076	.00132	.00006	.00009	.0364	.00013	.00014
%RSD	89.511	.22276	21.438	4.2245	.18754	1.7515	2.2170	.40684	13.370	.47328
#1	-.00045	52.993	.02179	.01861	.70063	.00316	-.00385	8.9229	.00106	.02904
#2	-.00010	53.160	.01606	.01753	.70249	.00324	-.00398	8.9743	.00088	.02884
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	271.441 {124}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.05333**	**.06241**	**59.840**	**11.609**	**.04278**	**10.232**	**2.9907**	**.00185**	**.15276**	**.04482**
Stddev	.00011	.00001	.537	.042	.00051	.015	.0080	.00019	.00159	.00016
%RSD	.19888	.01396	.89705	.36022	1.1846	.15135	.26683	10.136	1.0426	.34685
#1	.05340	.06240	59.461	11.580	.04314	10.243	2.9964	.00172	.15389	.04493
#2	.05325	.06242	60.220	11.639	.04242	10.221	2.9851	.00198	.15164	.04471
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **2.0290**	**.05811**	**.85071**	**.00047**	**-.00162**	**3.7964**	**8.1243**	**.00741**	**.08157**	**.02967**
Stddev	.0136	.00095	.00283	.00028	.00237	.0179	.0383	.00054	.00003	.00174
%RSD	.66840	1.6364	.33308	58.279	146.28	.47160	.47160	7.2936	.03966	5.8726
#1	2.0386	.05879	.85272	.00028	-.00329	3.7837	8.0972	.00702	.08155	.03090
#2	2.0194	.05744	.84871	.00067	.00006	3.8090	8.1514	.00779	.08160	.02844
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	2.0000									
Low Limit	-1.0000									

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.2696**	**-.00213**	F **-.12800**	**.11102**	**.17148**	**.01851**
Stddev	.0072	.00116	.00775	.00010	.00074	.00028
%RSD	.56453	54.271	6.0546	.08742	.43093	1.5323
#1	1.2747	-.00131	-.12252	.11108	.17096	.01831
#2	1.2646	-.00295	-.13349	.11095	.17200	.01871
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit			50.000			
Low Limit			-.10000			

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**3581.3**	**55397.**	**6352.6**
Stddev	2.0	147.	14.3
%RSD	.05494	.26572	.22526
#1	3579.9	55293.	6342.5
#2	3582.6	55501.	6362.7

Sample Name: 280-28178-a-10-f Acquired: 5/3/2012 12:16:05 Type: Unk
Method: 6500_025(v2) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 117570 6010C Q4

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00017**	**50.960**	**.02011**	**.01737**	**.65094**	**.00303**	**-.00546**	**8.0786**	**.00080**	**.02678**
Stddev	.00003	.124	.00371	.00082	.00093	.00004	.00378	.0368	.00017	.00007
%RSD	19.087	.24249	18.443	4.7461	.14228	1.3528	69.297	.45589	21.075	.27827
#1	-.00015	51.047	.01748	.01679	.65159	.00306	-.00278	8.1046	.00092	.02683
#2	-.00019	50.872	.02273	.01795	.65028	.00301	-.00813	8.0525	.00068	.02672
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	271.441 {124}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.05054**	**.05578**	**56.265**	**11.444**	**.03911**	**9.7146**	**2.7335**	**.00167**	**.14496**	**.04197**
Stddev	.00007	.00034	.206	.004	.00114	.0120	.0005	.00006	.00145	.00015
%RSD	.13567	.61720	.36695	.03193	2.9197	.12388	.01914	3.8080	.99833	.35464
#1	.05049	.05554	56.119	11.442	.03992	9.7061	2.7331	.00172	.14598	.04207
#2	.05059	.05602	56.411	11.447	.03831	9.7232	2.7339	.00163	.14394	.04186
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.8150**	**.05352**	**.73117**	**-.00087**	**-.00170**	**4.0073**	**8.5757**	**.00814**	**.07477**	**.02993**
Stddev	.0040	.00083	.00512	.00140	.00269	.0157	.0336	.00047	.00008	.00089
%RSD	.21954	1.5491	.69990	160.79	158.14	.39218	.39218	5.8080	.10901	2.9766
#1	1.8121	.05293	.73479	-.00186	.00020	3.9962	8.5519	.00781	.07483	.02930
#2	1.8178	.05410	.72756	.00012	-.00361	4.0184	8.5994	.00848	.07471	.03056
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.2256**	**-.00219**	F **-.13829**	**.10473**	**.15656**	**.01949**
Stddev	.0101	.00123	.00629	.00080	.00039	.00074
%RSD	.82719	56.015	4.5470	.76360	.24678	3.7827
#1	1.2328	-.00306	-.13385	.10530	.15628	.02001
#2	1.2184	-.00132	-.14274	.10417	.15683	.01896
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit			50.000			
Low Limit			-.10000			

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**3580.9**	**55191.**	**6326.3**
Stddev	.6	89.	22.6
%RSD	.01603	.16164	.35656
#1	3580.4	55128.	6310.4
#2	3581.3	55254.	6342.3

Sample Name: CCVH-1390999 Acquired: 5/3/2012 12:18:26 Type: QC
Method: 6500_025(v2) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2714
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00096**	**48.038**	**.00343**	**.00176**	**.00018**	**-.00003**	**.98460**	**.00070**	**-.00011**	**.00037**	**.00039**	**-.00225**	**48.737**
Stddev	.00045	.020	.00391	.00007	.00005	.00001	.00086	.00191	.00010	.00002	.00007	.00005	.144
%RSD	47.216	.04206	113.99	4.2462	30.243	29.286	.08745	272.63	94.762	6.4708	17.314	2.0077	.29454
#1	-.00064	48.024	.00066	.00182	.00022	-.00003	.98399	.00205	-.00004	.00035	.00044	-.00228	48.636
#2	-.00128	48.052	.00619	.00171	.00014	-.00004	.98521	-.00065	-.00018	.00038	.00034	-.00222	48.839
Check ?	None	Chk Pass	None	None	None	None	Chk Pass	None	None	None	None	None	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01163**	**.00287**	**-.03562**	**.00010**	**-.00059**	**242.64**	**.00159**	**.00239**	**.00008**	**4.8479**	**.00045**	**.00153**	**.04960**
Stddev	.00982	.00187	.00162	.00006	.00013	.17	.00023	.00083	.00065	.0283	.00031	.00161	.00523
%RSD	84.426	65.122	4.5486	67.619	22.457	.07191	14.437	34.769	842.08	.58392	70.370	105.27	10.551
#1	.01858	.00420	-.03447	.00005	-.00049	242.52	.00175	.00181	-.00038	4.8679	.00022	.00267	.04590
#2	.00469	.00155	-.03676	.00014	-.00068	242.77	.00143	.00298	.00054	4.8279	.00067	.00039	.05330
Check ?	None	None	None	None	None	Chk Pass	None	None	None	Chk Pass	None	None	None
Value													
Range													

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.10615**	**.00069**	**.00030**	**5.0776**	**.00664**	**.00042**	**10.500**	**-.00327**	**.00237**	**-.04094**
Stddev	.01120	.00028	.00005	.0065	.00012	.00260	.010	.00057	.00021	.00138
%RSD	10.551	41.183	15.989	.12886	1.8202	623.61	.09525	17.463	8.7952	3.3788
#1	.09823	.00049	.00027	5.0730	.00672	-.00142	10.507	-.00287	.00252	-.03996
#2	.11407	.00089	.00034	5.0822	.00655	.00225	10.493	-.00368	.00223	-.04192
Check ?	None	None	None	Chk Pass	None	None	Chk Pass	None	None	None
Value										
Range										

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**3373.0**	**52039.**	**5914.2**
Stddev	4.6	275.	34.9
%RSD	.13737	.52813	.58938
#1	3369.7	52233.	5938.8
#2	3376.3	51844.	5889.5

Sample Name: CCV-1390955 Acquired: 5/3/2012 12:20:47 Type: QC
Method: 6500_025(v2) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.50901**	**.49508**	**.97697**	**.48374**	**.48626**	**.46886**	**-.00234**	**4.6565**	**.48804**	**.49437**	**.49220**	**.52236**	**2.4527**
Stddev	.00101	.00212	.00454	.00054	.00237	.00033	.00208	.0008	.00036	.00048	.00012	.00114	.0071
%RSD	.19776	.42823	.46438	.11088	.48840	.06981	88.986	.01801	.07276	.09641	.02449	.21849	.28974
#1	.50830	.49358	.97376	.48336	.48458	.46863	-.00087	4.6571	.48779	.49403	.49229	.52155	2.4477
#2	.50972	.49658	.98018	.48412	.48794	.46909	-.00381	4.6559	.48829	.49471	.49212	.52317	2.4577
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**48.621**	**.93814**	**20.045**	**.51250**	**.49232**	**4.5276**	**.48948**	**.94806**	**1.0045**	**.00141**	**.96586**	**.98442**	**4.6518**
Stddev	.136	.00209	.052	.00164	.00081	.0021	.00149	.00135	.0009	.00427	.00005	.00382	.0003
%RSD	.27985	.22273	.26132	.31906	.16354	.04635	.30468	.14200	.08999	302.99	.00496	.38831	.00530
#1	48.525	.93666	20.008	.51135	.49175	4.5261	.48843	.94710	1.0051	-.00161	.96590	.98171	4.6516
#2	48.717	.93962	20.082	.51366	.49289	4.5291	.49054	.94901	1.0038	.00442	.96583	.98712	4.6520
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**9.9549**	**.98645**	**.48641**	**.00053**	**.49124**	**1.0032**	**.01767**	**.49406**	**.49177**	**.49273**
Stddev	.0005	.00284	.00141	.00078	.00099	.0011	.00138	.00227	.00140	.00409
%RSD	.00530	.28741	.28894	145.76	.20074	.11117	7.8179	.46034	.28427	.82919
#1	9.9545	.98445	.48542	-.00002	.49054	1.0040	.01865	.49245	.49078	.48984
#2	9.9553	.98846	.48740	.00109	.49194	1.0024	.01669	.49567	.49276	.49562
Check ?	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value										
Range										

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**3439.1**	**53518.**	**5989.2**
Stddev	5.2	23.	28.4
%RSD	.15094	.04286	.47475
#1	3442.7	53534.	6009.3
#2	3435.4	53502.	5969.1

Sample Name: CCB Acquired: 5/3/2012 12:23:00 Type: QC
Method: 6500_025(v2) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00031**	**.00032**	**-.00412**	**.00048**	**.00014**	**.00006**	**-.00161**	**.00097**	**-.00010**	**-.00004**	**.00019**
Stddev	.00065	.00043	.00079	.00045	.00007	.00002	.00021	.00183	.00002	.00010	.00017
%RSD	211.60	133.88	19.187	93.647	47.131	40.539	13.224	187.88	18.431	275.18	90.193
#1	.00077	.00002	-.00468	.00016	.00019	.00008	-.00176	.00226	-.00009	.00003	.00031
#2	-.00015	.00063	-.00356	.00080	.00010	.00004	-.00146	-.00032	-.00012	-.00011	.00007
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit											
Low Limit											

Elem	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00034**	**.00118**	**-.01602**	W **.00301**	**.00042**	**.00001**	**.00087**	W **-.09267**	**-.00032**	**.00262**	**.00005**
Stddev	.00004	.00044	.01956	.00141	.00089	.00002	.00008	.00674	.00035	.00097	.00063
%RSD	10.585	37.388	122.14	46.853	210.28	119.13	9.3727	7.2756	108.65	36.998	1176.7
#1	.00037	.00150	-.00218	.00401	-.00021	.00002	.00082	-.09743	-.00056	.00331	-.00039
#2	.00031	.00087	-.02985	.00201	.00105	.00000	.00093	-.08790	-.00007	.00194	.00050
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass
High Limit				.00261				.09160			
Low Limit				-.00261				-.09160			

Elem	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00382**	**-.00047**	**-.00113**	**.01857**	**.03973**	**.00046**	**.00002**	**.00070**	**-.00015**	**-.00137**	**.00245**
Stddev	.00134	.00078	.00503	.01174	.02513	.00020	.00001	.00017	.00030	.00080	.02984
%RSD	35.074	166.70	446.04	63.244	63.244	43.339	66.808	23.550	198.37	58.431	1215.6
#1	-.00287	-.00102	-.00469	.02687	.05750	.00060	.00003	.00082	-.00036	-.00194	.02355
#2	-.00477	.00008	.00243	.01026	.02196	.00032	.00001	.00059	.00006	-.00081	-.01865
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit											
Low Limit											

Elem	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm
Avg	**-.00061**	W **.00500**	**-.00099**
Stddev	.00009	.00036	.00015
%RSD	14.599	7.2697	15.019
#1	-.00055	.00474	-.00109
#2	-.00068	.00525	-.00088
Check ?	Chk Pass	Chk Warn	Chk Pass
High Limit		.00453	
Low Limit		-.00453	

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**3489.6**	**54474.**	**5959.9**
Stddev	4.1	73.	30.1
%RSD	.11753	.13355	.50547
#1	3486.7	54525.	5981.2
#2	3492.5	54422.	5938.6

Sample Name: CCVL-1397430 Acquired: 5/3/2012 12:25:25 Type: QC
Method: 6500_025(v2) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01083**	**.10391**	**.01239**	**.09497**	**.01009**	**.00106**	**.10831**	**.18907**	**.00508**	**.01035**	**.01021**	**.01626**	**.10064**
Stddev	.00010	.00047	.00108	.00076	.00021	.00003	.00067	.00220	.00000	.00004	.00016	.00025	.00037
%RSD	.92660	.44995	8.7220	.80167	2.0557	3.1579	.61669	1.1657	.07745	.37069	1.5239	1.5222	.36987
#1	.01076	.10425	.01315	.09551	.00994	.00108	.10879	.19063	.00508	.01032	.01010	.01643	.10038
#2	.01090	.10358	.01162	.09443	.01024	.00103	.10784	.18751	.00508	.01037	.01032	.01608	.10090
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**3.0474**	**.01185**	**.20742**	**.01067**	**.01990**	**.88054**	**.04068**	**2.7615**	**.00843**	**-.00007**	**.00831**	**.01374**	**.49380**
Stddev	.0359	.00220	.00050	.00009	.00021	.00970	.00018	.0081	.00035	.00188	.00083	.00077	.01381
%RSD	1.1783	18.580	.24050	.83899	1.0459	1.1014	.43043	.29194	4.1699	2565.0	10.048	5.6170	2.7965
#1	3.0728	.01340	.20777	.01073	.01975	.87368	.04080	2.7672	.00818	-.00141	.00772	.01428	.50356
#2	3.0220	.01029	.20706	.01060	.02004	.88740	.04055	2.7558	.00868	.00126	.00890	.01319	.48404
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.0567**	**.10024**	**.01010**	**.01492**	**.00979**	**.01497**	**.05411**	**.00951**	**.02312**	**.01620**
Stddev	.0296	.00199	.00002	.00039	.00023	.00010	.01145	.00017	.00011	.00028
%RSD	2.7965	1.9835	.15550	2.5888	2.3332	.67900	21.161	1.7386	.48497	1.7403
#1	1.0776	.09883	.01011	.01465	.00996	.01490	.06220	.00963	.02320	.01640
#2	1.0358	.10164	.01009	.01520	.00963	.01504	.04601	.00940	.02304	.01600
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value										
Range										

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**3474.1**	**54498.**	**6016.4**
Stddev	11.5	120.	33.8
%RSD	.33007	.22020	.56159
#1	3466.0	54583.	6040.3
#2	3482.2	54414.	5992.5

Sample Name: mb 280-117878/1-a Acquired: 5/3/2012 12:27:48 Type: Unk
Method: 6500_025(v2) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 117878 200.7

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F -.00012	.00316	-.00425	.00022	.00019	.00000	.00175	.01345	-.00005	.00019
Stddev	.00017	.00013	.00261	.00046	.00014	.00008	.00307	.00312	.00007	.00016
%RSD	142.10	4.0174	61.546	212.14	71.554	3607.3	175.17	23.189	138.54	84.594
#1	.00000	.00325	-.00610	.00054	.00029	.00006	.00392	.01124	.00000	.00008
#2	-.00024	.00307	-.00240	-.00011	.00009	-.00005	-.00042	.01565	-.00010	.00030
Check ?	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	.01000									
Low Limit	-.00010									

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.00006	.00054	.00586	.02520	.00069	.00064	W .00026	-.00011	-.09174	.00014
Stddev	.00004	.00015	.00090	.01600	.00031	.00134	.00005	.00013	.00587	.00017
%RSD	74.258	26.818	15.387	63.486	44.581	207.90	19.654	115.14	6.3935	126.65
#1	-.00003	.00065	.00650	.01389	.00091	.00159	.00022	-.00021	-.09589	.00001
#2	-.00009	.00044	.00522	.03651	.00047	-.00030	.00029	-.00002	-.08759	.00026
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass
High Limit							.00023			
Low Limit							-.00500			

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00065	-.00062	-.00149	-.00180	W -.00511	F .03545	.07586	-.00099	.00000	W .00179
Stddev	.00022	.00135	.00316	.00159	.00616	.00373	.00799	.00128	.0001	.00082
%RSD	33.191	218.06	211.65	87.883	120.43	10.534	10.534	129.18	1814.6	46.069
#1	.00050	.00033	-.00373	-.00068	-.00076	.03809	.08152	-.00189	.00003	.00120
#2	.00080	-.00157	.00074	-.00292	-.00946	.03281	.07021	-.00009	-.00004	.00237
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Fail	None	Chk Pass	Chk Pass	Chk Warn
High Limit					.00500	.01000				.00000
Low Limit					-.00500	-.01000				-.00500

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00001	-.00293	-.00182	-.00063	.00304	.00052
Stddev	.00021	.00338	.01591	.00010	.00020	.00212
%RSD	2773.5	115.25	875.86	15.048	6.6999	404.64
#1	.00016	-.00532	.00944	-.00057	.00319	-.00098
#2	-.00014	-.00054	-.01307	-.00070	.00290	.00202
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	3500.6	55066.	6055.0
Stddev	9.4	46.	35.7
%RSD	.26871	.08337	.59003
#1	3507.2	55099.	6080.3
#2	3493.9	55034.	6029.8

Sample Name: lcs 280-117878/2-a Acquired: 5/3/2012 12:30:13 Type: Unk
Method: 6500_025(v2) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 117878 200.7

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.05372**	**1.9118**	**1.0167**	**1.0241**	**1.9621**	**.04810**	**2.1167**	**46.333**	**.10079**	**.49124**
Stddev	.00031	.0010	.0048	.0018	.0047	.00015	.0008	.158	.00017	.00067
%RSD	.57462	.05305	.47126	.17297	.24032	.31613	.03781	.34118	.17142	.13576
#1	.05350	1.9125	1.0133	1.0229	1.9654	.04821	2.1162	46.445	.10067	.49077
#2	.05393	1.9111	1.0201	1.0254	1.9587	.04799	2.1173	46.222	.10091	.49171
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.19808**	**.26646**	**.99279**	**49.813**	**.96080**	**51.362**	**.52286**	**.99834**	**50.827**	**.48884**
Stddev	.00025	.00062	.00291	.142	.00185	.014	.00027	.00183	.055	.00028
%RSD	.12742	.23286	.29289	.28608	.19252	.02822	.05192	.18352	.10850	.05819
#1	.19826	.26602	.99485	49.913	.96211	51.372	.52266	.99964	50.866	.48904
#2	.19790	.26690	.99073	49.712	.95950	51.351	.52305	.99705	50.788	.48864
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**10.127**	**.49105**	**.01010**	**.49446**	**2.0959**	**9.4630**	F **20.251**	**1.9829**	**.99762**	**1.0314**
Stddev	.013	.00010	.00044	.00265	.0154	.0426	.091	.0025	.00184	.0025
%RSD	.12652	.02109	4.3130	.53598	.73586	.45045	.45045	.12484	.18486	.24123
#1	10.118	.49113	.01040	.49634	2.0850	9.4931	20.315	1.9812	.99893	1.0296
#2	10.136	.49098	.00979	.49259	2.1068	9.4328	20.186	1.9847	.99632	1.0331
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit							24.610			
Low Limit							20.100			

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.0014**	**2.0306**	**2.2026**	**.50334**	**.49885**	**.49152**
Stddev	.0000	.0087	.0108	.00154	.00015	.00490
%RSD	.00081	.42791	.48922	.30660	.02974	.99654
#1	1.0014	2.0245	2.1950	.50225	.49875	.49498
#2	1.0014	2.0368	2.2102	.50443	.49896	.48806
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**3331.6**	**51908.**	**5974.4**
Stddev	1.5	129.	15.1
%RSD	.04618	.24772	.25287
#1	3332.7	51817.	5963.7
#2	3330.5	51999.	5985.1

Sample Name: 280-28211-e-1-c Acquired: 5/3/2012 12:32:22 Type: Unk
Method: 6500_025(v2) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 117878 200.7

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00035	.00197	.00065	.28818	.05148	.00006	.00132	220.34	.00055	.00034
Stddev	.00008	.00030	.00596	.00119	.00012	.00001	.00061	3.94	.00007	.00024
%RSD	22.210	15.237	912.29	.41380	.23559	20.001	46.169	1.7882	11.952	70.877
#1	.00040	.00219	.00487	.28903	.05156	.00006	.00176	223.13	.00051	.00051
#2	.00029	.00176	-.00356	.28734	.05139	.00005	.00089	217.56	.00060	.00017
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00052	.00244	.02688	5.6471	.08999	86.994	.07770	.00852	185.30	.00196
Stddev	.00021	.00028	.00032	.0369	.00191	.014	.00019	.00046	.15	.00022
%RSD	39.237	11.635	1.1772	.65347	2.1202	.01650	.24852	5.4292	.08003	11.393
#1	.00038	.00264	.02710	5.6732	.09134	87.005	.07757	.00819	185.19	.00212
#2	.00067	.00224	.02666	5.6210	.08864	86.984	.07784	.00884	185.40	.00180
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.02411	-.00035	F 339.02	-.00141	.01956	5.0795	10.870	-.00010	4.0575	-.00178
Stddev	.00552	.00149	.55	.00043	.00046	.0381	.082	.00028	.0130	.00089
%RSD	22.873	423.75	.16161	30.456	2.3458	.75080	.75080	265.28	.31971	50.228
#1	.02801	.00070	339.41	-.00110	.01924	5.1065	10.928	-.00030	4.0667	-.00241
#2	.02021	-.00140	338.63	-.00171	.01989	5.0525	10.812	.00009	4.0484	-.00114
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit			200.00							
Low Limit			-.20000							

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00105	.00224	.04365	.00113	.00483	-.00044
Stddev	.00001	.00127	.00082	.00008	.00007	.00084
%RSD	1.1375	56.858	1.8815	6.8672	1.3942	191.79
#1	.00104	.00314	.04307	.00107	.00487	-.00103
#2	.00106	.00134	.04423	.00118	.00478	.00016
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	3149.6	49446.	5846.0
Stddev	9.0	124.	.8
%RSD	.28525	.25090	.01309
#1	3143.2	49533.	5846.6
#2	3155.9	49358.	5845.5

Sample Name: SD 280-28211-e-1-c@5 Acquired: 5/3/2012 12:34:50 Type: Unk
Method: 6500_025(v2) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 117878 200.7

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00033**	**.00011**	**-.00292**	**.05620**	**.01032**	**.00007**	**-.00214**	**45.163**	**.00036**	**-.00007**
Stddev	.00001	.00021	.00068	.00048	.00013	.00004	.00060	.345	.00021	.00020
%RSD	3.4997	199.35	23.319	.86185	1.2407	54.791	27.758	.76405	58.175	296.18
#1	.00034	.00026	-.00244	.05654	.01023	.00004	-.00172	44.919	.00021	-.00020
#2	.00032	-.00004	-.00340	.05586	.01041	.00010	-.00257	45.407	.00051	.00007
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00015**	**.00065**	**.00946**	**1.1129**	**.02024**	**17.038**	**.01547**	**.00138**	**37.001**	**.00062**
Stddev	.00000	.00007	.00259	.0345	.00089	.086	.00010	.00001	.371	.00032
%RSD	2.8007	10.416	27.333	3.0992	4.4183	.50328	.63248	.43919	1.0038	52.699
#1	.00015	.00070	.00764	1.0885	.02088	17.099	.01554	.00139	36.738	.00039
#2	.00016	.00061	.01129	1.1373	.01961	16.978	.01540	.00138	37.264	.00085
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00617**	**.00027**	**63.790**	**.00031**	**-.00152**	**1.0254**	**2.1943**	**-.00033**	**.80224**	**-.00073**
Stddev	.00256	.00187	.061	.00184	.00146	.0180	.0386	.00141	.00458	.00064
%RSD	41.450	683.05	.09542	592.49	95.677	1.7577	1.7577	427.42	.57053	87.596
#1	.00798	-.00105	63.833	.00161	-.00255	1.0126	2.1670	-.00132	.79901	-.00119
#2	.00436	.00160	63.747	-.00099	-.00049	1.0381	2.2215	.00067	.80548	-.00028
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00012**	**-.00068**	**.01865**	**.00032**	**.00518**	**-.00032**
Stddev	.00011	.00268	.05129	.00007	.00056	.00011
%RSD	98.294	393.64	275.07	22.314	10.750	34.853
#1	-.00004	-.00258	.05491	.00037	.00479	-.00040
#2	-.00020	.00122	-.01762	.00027	.00558	-.00024
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**3321.3**	**51963.**	**5815.3**
Stddev	4.2	406.	80.8
%RSD	.12543	.78122	1.3888
#1	3318.3	51676.	5872.4
#2	3324.2	52250.	5758.2

Sample Name: 280-28211-e-1-d ms Acquired: 5/3/2012 12:37:14 Type: Unk
Method: 6500_025(v2) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 117878 200.7

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.05363	1.8150	1.0409	1.2783	2.0164	.04700	F 2.0769	270.44	.10193	.47768
Stddev	.00062	.0016	.0003	.0034	.0003	.00021	.0049	2.56	.00033	.00012
%RSD	1.1520	.08843	.03125	.26633	.01526	.44946	.23715	.94651	.31925	.02468
#1	.05320	1.8138	1.0411	1.2807	2.0162	.04685	2.0804	268.63	.10170	.47776
#2	.05407	1.8161	1.0407	1.2759	2.0166	.04715	2.0734	272.25	.10216	.47759
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit							.10000			
Low Limit							-.10000			

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.19724	.26441	.98655	56.641	1.0729	136.47	.58750	1.0084	235.24	.47620
Stddev	.00074	.00003	.00186	.028	.0008	.08	.00024	.0010	.40	.00132
%RSD	.37628	.01118	.18865	.05030	.07182	.06043	.04132	.09630	.17094	.27660
#1	.19777	.26439	.98786	56.661	1.0723	136.42	.58768	1.0091	235.53	.47713
#2	.19672	.26443	.98523	56.621	1.0734	136.53	.58733	1.0077	234.96	.47527
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W 10.437	.47148	F 339.60	.49626	2.1283	14.778	31.624	1.9407	W 5.0404	1.0186
Stddev	.002	.00187	.59	.00286	.0061	.024	.051	.0069	.0085	.0008
%RSD	.01724	.39700	.17504	.57688	.28848	.16234	.16234	.35415	.16812	.07836
#1	10.438	.47281	340.02	.49828	2.1327	14.761	31.588	1.9456	5.0464	1.0180
#2	10.436	.47016	339.18	.49423	2.1240	14.795	31.661	1.9359	5.0344	1.0191
Check ?	Chk Warn	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass
High Limit	2.0000		200.00						5.0000	
Low Limit	-1.0000		-.20000						-.01000	

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.99792	1.8469	2.1897	.50757	.48411	.48514
Stddev	.00100	.0024	.0379	.00259	.00037	.00381
%RSD	.10009	.12755	1.7317	.51028	.07672	.78551
#1	.99722	1.8485	2.2165	.50940	.48385	.48244
#2	.99863	1.8452	2.1629	.50574	.48437	.48783
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	3077.1	48740.	5697.1
Stddev	5.5	192.	23.3
%RSD	.17751	.39392	.40875
#1	3073.2	48876.	5680.6
#2	3081.0	48604.	5713.6

Sample Name: 280-28211-e-1-e msd Acquired: 5/3/2012 12:39:35 Type: Unk
Method: 6500_025(v2) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 117878 200.7

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.05411**	**1.8277**	**1.0434**	**1.2812**	**2.0077**	**.04717**	F **2.0742**	**269.34**	**.10203**	**.47751**
Stddev	.00038	.0082	.0083	.0003	.0016	.00005	.0081	.50	.00019	.00071
%RSD	.70633	.44914	.79474	.02576	.07751	.10087	.38992	.18530	.18657	.14955
#1	.05438	1.8335	1.0376	1.2815	2.0088	.04714	2.0685	268.99	.10216	.47701
#2	.05384	1.8219	1.0493	1.2810	2.0066	.04721	2.0799	269.70	.10189	.47802
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit							.10000			
Low Limit							-.10000			

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.19724**	**.26143**	**.98110**	**56.467**	**1.0712**	**136.01**	**.58424**	**1.0090**	**234.79**	**.47546**
Stddev	.00055	.00055	.00165	.057	.0054	.45	.00225	.0007	.55	.00064
%RSD	.27936	.21113	.16839	.10153	.50216	.33047	.38437	.06961	.23423	.13539
#1	.19763	.26104	.98227	56.507	1.0750	135.69	.58265	1.0085	235.18	.47591
#2	.19685	.26182	.97993	56.426	1.0674	136.32	.58583	1.0095	234.40	.47500
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **10.442**	**.46985**	F **338.20**	**.49748**	**2.1272**	**14.844**	**31.767**	**1.9425**	**4.9552**	**1.0161**
Stddev	.016	.00101	1.06	.00101	.0005	.038	.081	.0039	.0874	.0015
%RSD	.15157	.21511	.31223	.20339	.02432	.25368	.25368	.20309	1.7635	.14747
#1	10.431	.46913	337.45	.49819	2.1268	14.871	31.824	1.9453	5.0170	1.0151
#2	10.453	.47056	338.94	.49676	2.1275	14.818	31.710	1.9397	4.8934	1.0172
Check ?	Chk Warn	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	2.0000		200.00							
Low Limit	-1.0000		-.20000							

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.99519**	**1.8517**	**2.1641**	**.50659**	**.48356**	**.48388**
Stddev	.00089	.0080	.0124	.00019	.00273	.00284
%RSD	.08915	.43334	.57329	.03755	.56436	.58710
#1	.99456	1.8574	2.1553	.50645	.48163	.48187
#2	.99582	1.8460	2.1729	.50672	.48549	.48589
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**3039.9**	**48272.**	**5658.7**
Stddev	9.9	235.	1.0
%RSD	.32679	.48681	.01818
#1	3032.9	48438.	5659.4
#2	3046.9	48106.	5658.0

Sample Name: CCVH-1390999 Acquired: 5/3/2012 12:41:57 Type: QC
Method: 6500_025(v2) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2714
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00038**	**48.605**	**-.00277**	**.00359**	**.00034**	**.00005**	**.98999**	**.01283**	**.00002**	**.00040**	**.00046**	**-.00199**	**48.807**
Stddev	.00089	.020	.00287	.00049	.00007	.00004	.00232	.00186	.00006	.00006	.00008	.00017	.108
%RSD	232.29	.04193	103.83	13.669	21.186	88.678	.23469	14.520	259.35	15.586	17.023	8.5514	.22195
#1	-.00101	48.590	-.00480	.00394	.00029	.00002	.99164	.01415	.00006	.00044	.00040	-.00187	48.731
#2	.00025	48.619	-.00074	.00325	.00039	.00007	.98835	.01151	-.00002	.00035	.00051	-.00211	48.884
Check ?	None	Chk Pass	None	None	None	None	Chk Pass	None	None	None	None	None	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.11334**	**.00212**	**-.03075**	**.00012**	**.00139**	**243.41**	**.00148**	**.00259**	**-.00138**	**4.8749**	**.00039**	**-.00207**	**.03581**
Stddev	.00883	.00190	.00195	.00003	.00102	.59	.00041	.00237	.00001	.0016	.00121	.00191	.01047
%RSD	7.7870	89.812	6.3271	24.946	73.589	.24034	27.736	91.433	.42734	.03219	311.76	92.324	29.242
#1	.11958	.00077	-.02937	.00014	.00067	243.00	.00119	.00426	-.00138	4.8738	.00125	-.00072	.02841
#2	.10710	.00346	-.03213	.00010	.00212	243.82	.00177	.00092	-.00138	4.8760	-.00047	-.00342	.04322
Check ?	None	None	None	None	None	Chk Pass	None	None	None	Chk Pass	None	None	None
Value													
Range													

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.07663**	**.00209**	**.00058**	**5.0218**	**.00658**	**-.00191**	**10.418**	**-.00367**	**.00260**	**-.03415**
Stddev	.02241	.00156	.00006	.0050	.00017	.00059	.037	.00012	.00037	.00034
%RSD	29.242	74.669	10.443	.09888	2.5574	31.155	.35863	3.1863	14.413	1.0069
#1	.06079	.00099	.00063	5.0253	.00646	-.00149	10.444	-.00375	.00286	-.03390
#2	.09248	.00320	.00054	5.0182	.00670	-.00233	10.391	-.00359	.00233	-.03439
Check ?	None	None	None	Chk Pass	None	None	Chk Pass	None	None	None
Value										
Range										

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**3257.1**	**50909.**	**5658.5**
Stddev	6.5	108.	16.7
%RSD	.19832	.21250	.29454
#1	3261.7	50833.	5670.3
#2	3252.5	50986.	5646.7

Sample Name: CCV-1390955 Acquired: 5/3/2012 12:44:17 Type: QC
Method: 6500_025(v2) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.50569**	**.49730**	**.96969**	**.48490**	**.49019**	**.47478**	**-.00400**	**4.7319**	**.49053**	**.49572**	**.49556**	**.51741**	**2.4649**
Stddev	.00152	.00238	.01261	.00105	.00042	.00099	.00245	.0225	.00112	.00109	.00156	.00018	.0014
%RSD	.30025	.47915	1.3005	.21682	.08568	.20776	61.243	.47584	.22850	.22057	.31491	.03433	.05568
#1	.50677	.49898	.97861	.48415	.49049	.47409	-.00227	4.7160	.49132	.49649	.49667	.51754	2.4659
#2	.50462	.49561	.96078	.48564	.48989	.47548	-.00574	4.7478	.48973	.49495	.49446	.51729	2.4640
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**48.967**	**.96019**	**20.016**	**.51250**	**.49662**	**4.7839**	**.49217**	**.95168**	**1.0020**	**.02017**	**.96869**	**.97642**	**4.7333**
Stddev	.014	.00305	.041	.00008	.00278	.0105	.00169	.00058	.0066	.00102	.00201	.00208	.0412
%RSD	.02941	.31772	.20304	.01576	.56015	.22028	.34319	.06079	.65757	5.0700	.20734	.21320	.87033
#1	48.977	.95803	19.987	.51245	.49859	4.7765	.49337	.95209	1.0066	.02090	.97011	.97789	4.7042
#2	48.957	.96235	20.045	.51256	.49465	4.7914	.49098	.95127	.99730	.01945	.96727	.97495	4.7625
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**10.129**	**.98759**	**.48903**	**.00032**	**.49324**	**1.0058**	**.01799**	**.49564**	**.49512**	**.49447**
Stddev	.088	.00114	.00083	.00046	.00099	.0005	.00216	.00113	.00135	.00179
%RSD	.87033	.11511	.17001	142.65	.20003	.04681	11.986	.22885	.27172	.36259
#1	10.067	.98839	.48844	.00000	.49394	1.0061	.01952	.49484	.49417	.49574
#2	10.192	.98678	.48962	.00065	.49255	1.0055	.01647	.49644	.49607	.49321
Check ?	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value										
Range										

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**3337.2**	**52027.**	**5743.4**
Stddev	9.8	117.	11.5
%RSD	.29240	.22501	.20001
#1	3330.3	52110.	5751.5
#2	3344.1	51944.	5735.3

Sample Name: CCB Acquired: 5/3/2012 12:46:30 Type: QC
Method: 6500_025(v2) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00036**	**-.00020**	**-.00158**	**.00138**	**.00022**	**.00004**	**-.00053**	**.00117**	**.00003**	**.00028**	**.00005**	**-.00027**
Stddev	.00038	.00014	.00277	.00003	.00007	.00006	.00185	.00191	.00009	.00020	.00009	.00012
%RSD	106.93	70.282	175.41	2.3664	32.467	157.35	350.27	162.48	286.03	71.997	181.50	43.423
#1	.00009	-.00010	.00038	.00135	.00027	.00008	-.00183	-.00017	-.00003	.00043	.00012	-.00019
#2	.00063	-.00030	-.00354	.00140	.00017	.00000	.00078	.00252	.00009	.00014	-.00001	-.00036
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit												
Low Limit												

Elem	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00268**	**.00731**	**.00120**	**.00121**	**.00002**	**.00094**	**.00454**	**.00002**	**.00330**	**.00068**	**.01052**	W **.00328**
Stddev	.00175	.04227	.00081	.00219	.00004	.00024	.00569	.00041	.00351	.00001	.00207	.00076
%RSD	65.158	578.61	67.083	182.04	211.06	25.140	125.25	1657.8	106.37	2.1255	19.670	23.209
#1	.00391	-.02259	.00063	-.00035	.00005	.00077	.00856	.00032	.00082	.00069	.00906	.00274
#2	.00144	.03720	.00177	.00276	-.00001	.00110	.00052	-.00027	.00578	.00067	.01198	.00382
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn
High Limit												.00314
Low Limit												-.00314

Elem	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00054**	**.02794**	**.05979**	**.00066**	**-.00003**	**.00150**	**.00036**	**.00123**	**-.00436**	**-.00038**	**.00309**	**.00045**
Stddev	.00242	.02058	.04403	.00010	.00001	.00033	.00026	.00073	.01664	.00024	.00061	.00062
%RSD	450.03	73.647	73.647	15.524	41.368	21.909	72.019	58.808	381.33	63.466	19.851	137.94
#1	-.00117	.01339	.02865	.00059	-.00002	.00173	.00054	.00072	-.01613	-.00021	.00265	.00089
#2	.00225	.04249	.09092	.00073	-.00004	.00126	.00017	.00175	.00740	-.00055	.00352	.00001
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit												
Low Limit												

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**3398.5**	**53682.**	**5793.6**
Stddev	6.3	112.	16.9
%RSD	.18395	.20889	.29119
#1	3394.1	53603.	5781.7
#2	3402.9	53761.	5805.5

Sample Name: CCVL1397430 Acquired: 5/3/2012 12:48:56 Type: QC
Method: 6500_025(v2) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01029**	**.10327**	F **.00911**	**.09495**	**.01008**	**.00096**	**.10670**	**.19012**	**.00511**	**.01049**	**.01006**	**.01567**	**.10188**
Stddev	.00003	.00059	.00099	.00065	.00006	.00005	.00134	.00309	.00010	.00037	.00012	.00020	.00154
%RSD	.32698	.56772	10.898	.68951	.55364	5.3027	1.2532	1.6246	1.9157	3.5136	1.1675	1.2691	1.5156
#1	.01026	.10369	.00841	.09542	.01012	.00093	.10576	.19230	.00504	.01023	.00998	.01552	.10297
#2	.01031	.10286	.00981	.09449	.01004	.00100	.10765	.18793	.00517	.01075	.01014	.01581	.10079
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value			.01500										
Range			-30.000%										

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**3.0030**	**.01279**	**.20646**	**.01058**	**.01967**	**1.0003**	**.04064**	**2.7462**	**.00883**	**.01619**	**.00962**	**.01203**	**.50313**
Stddev	.0218	.00053	.00180	.00000	.00012	.0030	.00025	.0011	.00045	.00113	.00084	.00013	.00751
%RSD	.72547	4.1494	.86954	.01652	.59300	.29597	.61584	.04154	5.0571	7.0112	8.7680	1.0601	1.4925
#1	3.0184	.01316	.20773	.01058	.01976	.99820	.04081	2.7454	.00851	.01538	.00902	.01194	.49782
#2	2.9876	.01241	.20519	.01058	.01959	1.0024	.04046	2.7470	.00915	.01699	.01022	.01212	.50844
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.0767**	**.10072**	**.00998**	**.01621**	**.00982**	**.01488**	**.06878**	**.00985**	**.02267**	**.01505**
Stddev	.0161	.00334	.00001	.00077	.00008	.00031	.00834	.00022	.00029	.00233
%RSD	1.4925	3.3162	.14140	4.7577	.85448	2.1123	12.124	2.2174	1.2736	15.501
#1	1.0653	.09836	.00997	.01676	.00988	.01466	.06288	.01000	.02247	.01340
#2	1.0881	.10309	.00999	.01567	.00976	.01511	.07467	.00969	.02288	.01670
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value										
Range										

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**3385.5**	**53511.**	**5780.0**
Stddev	2.0	61.	12.5
%RSD	.06021	.11419	.21666
#1	3387.0	53468.	5771.2
#2	3384.1	53554.	5788.9

Sample Name: 280-28335-a-1-a Acquired: 5/3/2012 12:51:19 Type: Unk
Method: 6500_025(v2) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 117878 200.7

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00030**	**.00142**	**-.00057**	**.14880**	**.27178**	**.00012**	**-.00234**	**24.828**	**.00013**	**-.00005**
Stddev	.00019	.00013	.00220	.00063	.00025	.00001	.00120	.049	.00005	.00003
%RSD	64.386	9.1274	388.33	.42427	.09227	12.108	51.342	.19598	41.216	70.519
#1	.00043	.00132	.00099	.14835	.27160	.00013	-.00319	24.863	.00009	-.00002
#2	.00016	.00151	-.00212	.14925	.27195	.00011	-.00149	24.794	.00017	-.00007
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00040**	**.00078**	**.12451**	**4.8159**	**.03215**	**16.635**	**.30103**	**.00371**	**162.33**	**.00019**
Stddev	.00002	.00035	.00052	.0304	.00023	.058	.00141	.00034	.10	.00004
%RSD	4.9053	45.089	.41835	.63035	.71221	.34912	.46782	9.1626	.05853	23.340
#1	.00038	.00053	.12414	4.7944	.03199	16.676	.30203	.00347	162.26	.00022
#2	.00041	.00103	.12487	4.8373	.03231	16.594	.30004	.00395	162.39	.00016
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.15471**	**-.00060**	**14.303**	**-.00114**	**-.00268**	**12.537**	**26.829**	**-.00047**	**.25131**	**-.00166**
Stddev	.00124	.00006	.032	.00004	.00006	.101	.217	.00155	.00037	.00111
%RSD	.80291	10.534	.22644	3.0784	2.3875	.80820	.80820	331.59	.14839	66.425
#1	.15558	-.00055	14.326	-.00111	-.00263	12.609	26.982	.00063	.25158	-.00245
#2	.15383	-.00064	14.280	-.00116	-.00272	12.465	26.676	-.00156	.25105	-.00088
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00017**	**-.00184**	**-.00785**	**-.00008**	**.00379**	**-.00005**
Stddev	.00049	.00047	.02965	.00013	.00046	.00054
%RSD	279.08	25.338	377.53	152.56	12.245	1173.1
#1	-.00017	-.00217	.01311	-.00018	.00412	-.00043
#2	.00052	-.00151	-.02882	.00001	.00346	.00034
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**3271.8**	**50942.**	**5780.0**
Stddev	.1	142.	2.8
%RSD	.00265	.27830	.04840
#1	3271.9	50842.	5778.0
#2	3271.8	51042.	5782.0

Sample Name: 280-28335-a-2-a Acquired: 5/3/2012 12:53:41 Type: Unk
Method: 6500_025(v2) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 117878 200.7

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00023**	**.00121**	**.00029**	**.15033**	**.29674**	**.00006**	**-.00047**	**25.606**	**.00013**	**.00000**
Stddev	.00003	.00066	.00052	.00040	.00007	.00000	.00153	.018	.00002	.0000
%RSD	11.849	54.072	177.51	.26816	.02479	4.4201	326.61	.06929	17.546	1394.5
#1	.00025	.00075	-.00007	.15005	.29669	.00006	-.00155	25.619	.00014	-.00003
#2	.00021	.00168	.00066	.15062	.29679	.00005	.00061	25.594	.00011	.00002
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00028**	**.00122**	**.00642**	**7.2735**	**.03213**	**18.029**	**.22570**	**.00327**	**169.81**	**.00034**
Stddev	.00014	.00012	.00020	.0099	.00072	.005	.00049	.00033	.45	.00043
%RSD	50.490	9.9639	3.0537	.13583	2.2560	.03000	.21653	10.140	.26753	126.71
#1	.00038	.00131	.00628	7.2665	.03162	18.025	.22535	.00303	170.13	.00064
#2	.00018	.00114	.00656	7.2805	.03265	18.032	.22604	.00350	169.49	.00004
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.12499**	**.00021**	**20.271**	**-.00089**	**-.00463**	**11.845**	**25.348**	**-.00149**	**.26671**	**-.00086**
Stddev	.00331	.00033	.049	.00108	.00311	.037	.079	.00032	.00010	.00043
%RSD	2.6509	159.54	.24067	120.53	67.197	.31193	.31193	21.390	.03729	49.806
#1	.12733	-.00003	20.305	-.00013	-.00684	11.871	25.404	-.00172	.26664	-.00116
#2	.12264	.00045	20.236	-.00166	-.00243	11.819	25.292	-.00126	.26678	-.00056
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00008**	**-.00026**	**.01109**	**.00001**	**.00421**	**-.00019**
Stddev	.00028	.00000	.01951	.00021	.00096	.00159
%RSD	333.20	.62923	175.97	2323.1	22.839	818.75
#1	.00011	-.00026	.02488	.00015	.00489	.00093
#2	-.00028	-.00026	-.00271	-.00014	.00353	-.00132
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**3269.1**	**50577.**	**5738.3**
Stddev	21.5	54.	7.4
%RSD	.65682	.10754	.12838
#1	3253.9	50615.	5743.5
#2	3284.3	50538.	5733.1

Sample Name: 280-28335-a-3-a Acquired: 5/3/2012 12:56:03 Type: Unk
Method: 6500_025(v2) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 117878 200.7

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00042**	**.00193**	**.00169**	**.15571**	**.19308**	**-.00002**	**-.00199**	**29.943**	**.00018**	**.00006**
Stddev	.00028	.00032	.00526	.00083	.00095	.00005	.00303	.231	.00018	.00020
%RSD	67.245	16.845	311.84	.53522	.49374	212.16	152.48	.77214	102.68	332.19
#1	.00022	.00170	-.00203	.15630	.19240	-.00006	.00016	29.780	.00030	.00020
#2	.00062	.00216	.00540	.15512	.19375	.00001	-.00414	30.107	.00005	-.00008
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00004**	**.00092**	**.09477**	**5.3831**	**.03178**	**21.203**	**.38826**	**.00310**	**174.46**	**.00043**
Stddev	.00007	.00003	.00344	.0493	.00050	.073	.00080	.00016	1.27	.00014
%RSD	175.17	3.3272	3.6291	.91564	1.5765	.34566	.20592	5.2025	.72830	31.329
#1	.00001	.00090	.09234	5.3482	.03142	21.255	.38882	.00322	173.56	.00034
#2	-.00009	.00095	.09720	5.4179	.03213	21.151	.38769	.00299	175.35	.00053
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.10788**	**-.00156**	**29.591**	**-.00019**	**-.00095**	**12.158**	**26.017**	**-.00135**	**.30281**	**-.00147**
Stddev	.00228	.00048	.007	.00130	.00176	.078	.167	.00059	.00185	.00057
%RSD	2.1163	30.589	.02296	690.02	185.92	.64104	.64104	43.311	.61192	38.541
#1	.10627	-.00189	29.596	.00073	.00030	12.103	25.899	-.00094	.30150	-.00187
#2	.10949	-.00122	29.586	-.00111	-.00219	12.213	26.135	-.00177	.30412	-.00107
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00016**	**.00057**	**.00267**	**.00018**	**.00355**	**-.00017**
Stddev	.00020	.00116	.00859	.00023	.00027	.00135
%RSD	123.05	204.89	321.86	125.55	7.7118	791.26
#1	.00030	.00139	.00874	.00034	.00375	.00078
#2	.00002	-.00025	-.00340	.00002	.00336	-.00112
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**3254.5**	**50447.**	**5763.0**
Stddev	1.9	30.	76.4
%RSD	.05715	.05974	1.3258
#1	3253.2	50469.	5817.1
#2	3255.8	50426.	5709.0

Sample Name: 280-28335-a-4-a Acquired: 5/3/2012 12:58:25 Type: Unk
Method: 6500_025(v2) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 117878 200.7

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00031**	**.00325**	**-.00053**	**.13778**	**.43335**	**.00003**	**-.00085**	**13.237**	**.00029**	**.00017**
Stddev	.00018	.00014	.00049	.00058	.00014	.00004	.00109	.025	.00012	.00007
%RSD	58.745	4.4105	92.265	.41927	.03225	148.17	128.14	.18835	40.040	42.069
#1	.00018	.00335	-.00088	.13737	.43345	.00005	-.00008	13.219	.00021	.00012
#2	.00044	.00315	-.00018	.13818	.43326	.00000	-.00161	13.254	.00037	.00022
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00031**	**.00135**	**.01540**	**35.120**	**.05919**	**10.837**	**.02869**	**.00165**	**156.34**	**.00061**
Stddev	.00002	.00036	.00305	.094	.00010	.017	.00005	.00025	.56	.00023
%RSD	6.3912	26.919	19.824	.26782	.16477	.16004	.18059	15.183	.35573	37.159
#1	.00029	.00161	.01324	35.053	.05912	10.825	.02873	.00147	155.95	.00077
#2	.00032	.00110	.01755	35.186	.05925	10.849	.02866	.00182	156.74	.00045
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.09314**	**-.00127**	**10.908**	**-.00193**	**-.00302**	**11.237**	**24.048**	**-.00191**	**.22636**	**-.00090**
Stddev	.00023	.00037	.038	.00035	.00044	.043	.092	.00022	.00058	.00074
%RSD	.24371	29.153	.34680	17.993	14.563	.38083	.38083	11.517	.25793	82.138
#1	.09298	-.00101	10.935	-.00168	-.00271	11.207	23.983	-.00175	.22595	-.00038
#2	.09330	-.00154	10.882	-.00218	-.00333	11.268	24.113	-.00206	.22677	-.00142
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00010**	**.00091**	**-.00594**	**-.00015**	**.00348**	**-.00063**
Stddev	.00001	.00037	.02011	.00002	.00001	.00111
%RSD	12.338	41.058	338.44	10.428	.26269	175.61
#1	.00011	.00118	-.02016	-.00016	.00347	.00015
#2	.00009	.00065	.00828	-.00014	.00348	-.00142
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**3283.8**	**50675.**	**5850.4**
Stddev	1.7	32.	23.6
%RSD	.05042	.06260	.40385
#1	3282.7	50697.	5867.1
#2	3285.0	50652.	5833.7

Sample Name: 280-28206-d-1-a@10 Acquired: 5/3/2012 13:00:47 Type: Unk
Method: 6500_025(v2) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 117386 6010b

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00012**	**.02410**	**-.00334**	**.03154**	**.00147**	**-.00006**	**-.00524**	**39.718**	**.00080**	**.00019**
Stddev	.00067	.00046	.00037	.00057	.00005	.00002	.00022	.056	.00002	.00023
%RSD	580.77	1.9075	11.216	1.8060	3.6173	34.401	4.1531	.14092	2.4305	115.71
#1	.00059	.02442	-.00308	.03194	.00143	-.00008	-.00508	39.679	.00078	.00004
#2	-.00036	.02377	-.00361	.03114	.00150	-.00005	-.00539	39.758	.00081	.00035
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00029**	**.00130**	**.08416**	**1.8628**	**.14873**	**162.42**	**.07944**	**-.00006**	**43.538**	**.00162**
Stddev	.00002	.00002	.00101	.0351	.00062	.87	.00023	.00022	.008	.00003
%RSD	6.7594	1.5211	1.2058	1.8836	.41993	.53648	.28368	387.55	.01871	1.8335
#1	.00028	.00128	.08344	1.8380	.14917	161.80	.07928	-.00021	43.543	.00164
#2	.00031	.00131	.08487	1.8876	.14829	163.03	.07960	.00010	43.532	.00160
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00582**	**-.00041**	F **231.64**	**-.00241**	**.21301**	**.63154**	**1.3515**	**-.00048**	**.77350**	**-.00138**
Stddev	.00363	.00054	1.98	.00159	.00350	.00740	.0158	.00129	.00041	.00059
%RSD	62.498	130.05	.85393	66.092	1.6432	1.1721	1.1721	268.48	.05278	42.918
#1	.00325	-.00003	233.03	-.00128	.21054	.62630	1.3403	.00043	.77379	-.00096
#2	.00839	-.00079	230.24	-.00353	.21549	.63677	1.3627	-.00139	.77321	-.00180
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit			200.00							
Low Limit			-.20000							

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00074**	**-.00180**	**-.01092**	**.00053**	**.00760**	**.00125**
Stddev	.00017	.00219	.01306	.00007	.00032	.00292
%RSD	23.550	121.55	119.62	12.774	4.1566	233.47
#1	.00086	-.00334	-.02016	.00048	.00738	.00331
#2	.00061	-.00025	-.00168	.00057	.00783	-.00081
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**3247.1**	**50382.**	**5785.0**
Stddev	19.5	114.	42.6
%RSD	.60135	.22683	.73643
#1	3233.3	50463.	5754.8
#2	3260.9	50301.	5815.1

Sample Name: 280-28206-d-6-a@10 Acquired: 5/3/2012 13:03:09 Type: Unk
Method: 6500_025(v2) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 117386 6010b

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00002**	**.00758**	**.00016**	**.04474**	**.00078**	**-.00004**	**-.00267**	**37.521**	**.00101**	**.00057**
Stddev	.00022	.00046	.00302	.00059	.00004	.00004	.00157	.309	.00004	.00005
%RSD	1403.6	6.0827	1945.0	1.3095	5.7062	116.63	58.702	.82456	3.7629	9.5648
#1	.00017	.00791	-.00198	.04432	.00081	-.00001	-.00156	37.302	.00104	.00061
#2	-.00014	.00725	.00229	.04515	.00075	-.00006	-.00378	37.739	.00098	.00053
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00001**	**.00125**	**.01760**	**2.1802**	**.34417**	**321.09**	**.29088**	**-.00025**	**281.03**	**.00122**
Stddev	.00000	.00039	.00053	.0423	.00167	.64	.00092	.00025	1.55	.00003
%RSD	41.200	31.199	3.0238	1.9377	.48386	.19883	.31709	99.059	.55069	2.0913
#1	.00000	.00098	.01722	2.1503	.34299	321.55	.29153	-.00043	279.93	.00120
#2	.00001	.00153	.01797	2.2101	.34535	320.64	.29023	-.00008	282.12	.00123
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00422**	**.00104**	F **561.79**	**-.00214**	**.00942**	**.52931**	**1.1327**	**-.00047**	**.95353**	**-.00219**
Stddev	.00193	.00082	1.00	.00299	.00141	.01558	.0333	.00020	.00510	.00101
%RSD	45.616	78.763	.17731	139.45	15.021	2.9429	2.9429	42.154	.53528	46.073
#1	.00286	.00046	561.09	-.00426	.01042	.51829	1.1091	-.00033	.94992	-.00290
#2	.00559	.00162	562.50	-.00003	.00842	.54032	1.1563	-.00061	.95714	-.00148
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit			200.00							
Low Limit			-.20000							

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00019**	**-.00001**	**-.01304**	**.00043**	**.00499**	**.00007**
Stddev	.00016	.00173	.02604	.00050	.00045	.00052
%RSD	86.250	15843.	199.63	116.84	8.9424	770.44
#1	.00030	-.00123	-.03146	.00008	.00468	.00043
#2	.00007	.00121	.00537	.00079	.00531	-.00030
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**3166.1**	**48227.**	**5691.4**
Stddev	1.5	197.	12.3
%RSD	.04795	.40933	.21634
#1	3165.1	48087.	5682.7
#2	3167.2	48366.	5700.1

Sample Name: 280-28206-d-7-a@10 Acquired: 5/3/2012 13:05:43 Type: Unk
Method: 6500_025(v2) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 117386 6010b

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00027**	**.00026**	**-.00220**	**.04378**	**.00072**	**.00006**	**-.00047**	**37.353**	**.00099**	**.00054**
Stddev	.00010	.00013	.00228	.00037	.00023	.00001	.00146	.192	.00015	.00022
%RSD	36.064	50.996	103.46	.85523	32.023	21.468	308.16	.51469	14.629	41.385
#1	.00020	.00017	-.00059	.04351	.00088	.00007	-.00151	37.217	.00089	.00070
#2	.00034	.00035	-.00382	.04404	.00056	.00005	.00056	37.489	.00110	.00038
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00007**	**.00095**	**.00571**	**4.2326**	**.45972**	**494.98**	**.10581**	**-.00054**	**194.14**	**.00333**
Stddev	.00026	.00024	.00069	.0520	.00174	1.24	.00143	.00017	.13	.00008
%RSD	348.37	25.810	12.086	1.2289	.37923	.25012	1.3527	31.398	.06513	2.4454
#1	-.00011	.00078	.00522	4.1958	.46095	495.86	.10683	-.00067	194.05	.00327
#2	.00026	.00112	.00620	4.2693	.45849	494.10	.10480	-.00042	194.23	.00339
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00374**	**.00035**	F **689.09**	**-.00102**	**.04971**	**.49793**	**1.0656**	**-.00103**	**.83327**	**-.00188**
Stddev	.00023	.00004	5.01	.00009	.00155	.01287	.0275	.00057	.00434	.00053
%RSD	6.0466	12.469	.72739	8.8254	3.1252	2.5848	2.5848	54.947	.52092	28.295
#1	.00358	.00032	685.55	-.00108	.04861	.48883	1.0461	-.00143	.83020	-.00226
#2	.00390	.00038	692.64	-.00096	.05081	.50703	1.0850	-.00063	.83634	-.00151
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit			200.00							
Low Limit			-.20000							

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00002**	**-.00101**	**-.00960**	**.00107**	**.00463**	**-.00031**
Stddev	.00026	.00016	.00426	.00023	.00001	.00024
%RSD	1251.7	15.757	44.426	21.097	.24524	77.252
#1	-.00017	-.00112	-.01262	.00123	.00464	-.00014
#2	.00021	-.00090	-.00658	.00091	.00462	-.00048
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**3130.8**	**48088.**	**5784.6**
Stddev	17.4	375.	15.8
%RSD	.55541	.77983	.27268
#1	3143.1	47823.	5795.8
#2	3118.5	48353.	5773.5

Sample Name: CCVH-1390999 Acquired: 5/3/2012 13:08:12 Type: QC
Method: 6500_025(v2) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00095**	**48.056**	**-.00198**	**.00215**	**.00033**	**.00005**	**.99155**	**.01113**	**.00000**	**.00054**	**.00049**	**-.00176**
Stddev	.00000	.288	.00251	.00025	.00022	.00007	.00454	.00248	.00012	.00025	.00006	.00088
%RSD	.22696	.59983	126.55	11.768	65.406	144.51	.45827	22.283	7489.5	46.210	12.078	49.934
#1	-.00095	47.852	-.00021	.00197	.00049	.00009	.99477	.01288	.00009	.00037	.00044	-.00114
#2	-.00096	48.260	-.00376	.00233	.00018	.00000	.98834	.00937	-.00009	.00072	.00053	-.00238
Check ?	None	Chk Pass	None	None	None	None	Chk Pass	None	None	None	None	None
Value												
Range												

Elem	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316	P_1782	Pb2203	S_1820	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**48.782**	**.08100**	**.00330**	**-.00830**	**.00011**	**-.00036**	**243.26**	**.00144**	**.00341**	**-.00114**	**4.9485**	**-.00061**
Stddev	.213	.01807	.00028	.00519	.00003	.00047	1.44	.00073	.00086	.00140	.0069	.00030
%RSD	.43731	22.305	8.4189	62.566	23.078	128.40	.59213	50.668	25.321	122.77	.13901	48.432
#1	48.631	.09378	.00310	-.00463	.00013	-.00069	242.24	.00092	.00280	-.00213	4.9533	-.00082
#2	48.933	.06823	.00350	-.01198	.00009	-.00003	244.28	.00196	.00402	-.00015	4.9436	-.00040
Check ?	Chk Pass	None	None	None	None	None	Chk Pass	None	None	None	Chk Pass	None
Value												
Range												

Elem	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00244**	**.03692**	**.07900**	**.00180**	**.00044**	**5.1497**	**.00603**	**-.00249**	W **10.652**	**-.00315**	**.00166**	**-.04357**
Stddev	.00224	.00629	.01347	.00029	.00017	.0261	.00049	.00063	.010	.00013	.00090	.00186
%RSD	92.053	17.051	17.051	16.149	37.950	.50674	8.0426	25.163	.09488	4.2171	54.295	4.2611
#1	.00402	.04137	.08853	.00201	.00055	5.1313	.00638	-.00205	10.659	-.00305	.00102	-.04488
#2	.00085	.03247	.06948	.00160	.00032	5.1682	.00569	-.00293	10.645	-.00324	.00229	-.04226
Check ?	None	None	None	None	None	Chk Pass	None	None	Chk Warn	None	None	None
Value									10.000			
Range									5.0000%			

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**3310.8**	**50883.**	**5836.0**
Stddev	4.0	426.	59.5
%RSD	.12170	.83658	1.0203
#1	3313.7	51184.	5878.1
#2	3308.0	50582.	5793.9

Sample Name: CCV-1390955 Acquired: 5/3/2012 13:10:33 Type: QC
Method: 6500_025(v2) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.51818**	**.50372**	**.98342**	**.48445**	**.49035**	**.47083**	**-.00356**	**4.6731**	**.49351**	**.49936**	**.49941**	**.53251**	**2.4857**
Stddev	.00016	.00006	.00629	.00092	.00170	.00263	.00193	.0329	.00079	.00006	.00040	.00091	.0210
%RSD	.03021	.01204	.63988	.19051	.34666	.55866	54.366	.70318	.16078	.01102	.07981	.17103	.84431
#1	.51807	.50376	.98787	.48380	.49155	.47269	-.00219	4.6964	.49295	.49940	.49970	.53186	2.5005
#2	.51829	.50367	.97897	.48510	.48914	.46897	-.00493	4.6499	.49407	.49933	.49913	.53315	2.4709
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**49.217**	**.93923**	**20.562**	**.52625**	**.49902**	**4.7964**	**.49567**	**.95097**	**1.0192**	**.04268**	**.97074**	**.99303**	**4.6747**
Stddev	.199	.00156	.102	.00175	.00094	.0107	.00067	.00743	.0036	.00120	.00061	.00644	.0168
%RSD	.40386	.16643	.49594	.33188	.18737	.22256	.13485	.78165	.35420	2.8057	.06330	.64837	.35926
#1	49.358	.94033	20.634	.52748	.49836	4.8039	.49519	.95622	1.0166	.04352	.97118	.99758	4.6628
#2	49.076	.93812	20.490	.52501	.49968	4.7888	.49614	.94571	1.0217	.04183	.97031	.98848	4.6866
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**10.004**	**1.0029**	**.49188**	**-.00072**	**.49830**	**1.0202**	**.01194**	**.50071**	**.50349**	**.49941**
Stddev	.036	.0026	.00156	.00171	.00065	.0003	.00949	.00024	.00548	.00177
%RSD	.35926	.25495	.31791	237.98	.13101	.03049	79.500	.04756	1.0885	.35404
#1	9.9784	1.0047	.49299	-.00193	.49784	1.0199	.00523	.50088	.50737	.50066
#2	10.029	1.0011	.49078	.00049	.49877	1.0204	.01865	.50055	.49962	.49816
Check ?	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value										
Range										

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**3352.2**	**51900.**	**5791.4**
Stddev	5.5	280.	51.7
%RSD	.16295	.54044	.89209
#1	3348.4	51702.	5754.8
#2	3356.1	52099.	5827.9

Sample Name: CCB Acquired: 5/3/2012 13:12:47 Type: QC
Method: 6500_025(v2) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00022**	**-.00013**	**-.00396**	**.00092**	**.00029**	**.00014**	**-.00111**	**-.00204**	**.00010**	**-.00001**	**.00020**	**.00033**
Stddev	.00015	.00019	.00082	.00099	.00002	.00008	.00027	.00292	.00003	.00019	.00013	.00002
%RSD	65.569	144.87	20.631	107.52	5.5835	58.101	24.072	142.85	34.497	2075.8	67.512	6.6351
#1	.00033	-.00026	-.00454	.00162	.00030	.00019	-.00130	-.00410	.00008	.00013	.00010	.00034
#2	.00012	.00000	-.00338	.00022	.00028	.00008	-.00092	.00002	.00012	-.00015	.00029	.00031
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit												
Low Limit												

Elem	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00129**	**.04355**	W **.00264**	**.00353**	**.00003**	**.00096**	W **.11769**	**-.00005**	**.00154**	**-.00042**	**.03306**	**.00197**
Stddev	.00174	.03899	.00025	.00090	.00003	.00013	.01470	.00009	.00068	.00150	.00053	.00218
%RSD	135.48	89.529	9.6386	25.399	89.278	13.318	12.487	194.15	43.939	353.89	1.6150	110.76
#1	-.00252	.07112	.00282	.00290	.00001	.00087	.10730	.00002	.00106	-.00148	.03269	.00043
#2	-.00005	.01598	.00246	.00417	.00005	.00106	.12808	-.00011	.00201	.00064	.03344	.00351
Check ?	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit			.00261				.09160					
Low Limit			-.00261				-.09160					

Elem	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00171**	**.03431**	**.07343**	**.00025**	**.00005**	**.00010**	**-.00001**	**-.00232**	**-.00017**	**-.00062**	**.00271**	**.00088**
Stddev	.00227	.01186	.02538	.00071	.00007	.00023	.00023	.00185	.00322	.00031	.00006	.00076
%RSD	132.66	34.570	34.570	282.03	150.02	226.43	2568.1	79.882	1902.9	50.036	2.1738	86.355
#1	-.00011	.02592	.05548	.00075	.00009	.00026	-.00017	-.00363	-.00245	-.00040	.00267	.00034
#2	-.00332	.04270	.09138	-.00025	.00000	-.00006	.00016	-.00101	.00211	-.00083	.00275	.00141
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit												
Low Limit												

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**3407.1**	**53009.**	**5775.9**
Stddev	5.3	73.	33.3
%RSD	.15432	.13683	.57611
#1	3410.8	53060.	5799.5
#2	3403.3	52958.	5752.4

Sample Name: CCVL1397430 Acquired: 5/3/2012 13:15:12 Type: QC
Method: 6500_025(v2) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01093**	**.10312**	**.01185**	**.09422**	**.01016**	**.00095**	**.10707**	**.18634**	**.00511**	**.01048**	**.01036**	**.01606**	**.10065**
Stddev	.00011	.00057	.00424	.00017	.00006	.00002	.00251	.00200	.00008	.00006	.00035	.00004	.00369
%RSD	.96259	.55017	35.761	.18199	.56197	1.9568	2.3433	1.0740	1.5217	.58559	3.3938	.27706	3.6698
#1	.01101	.10272	.00885	.09410	.01012	.00096	.10884	.18775	.00505	.01053	.01060	.01609	.10326
#2	.01086	.10352	.01485	.09434	.01021	.00093	.10530	.18492	.00516	.01044	.01011	.01603	.09804
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**3.1138**	**.01258**	**.20908**	**.01072**	**.01985**	**1.0838**	**.04087**	**2.7189**	**.00981**	**.04217**	**.00916**	F **.00966**	**.47338**
Stddev	.0245	.00160	.00474	.00007	.00032	.0052	.00040	.0094	.00028	.00355	.00012	.00059	.00771
%RSD	.78762	12.686	2.2678	.61274	1.6027	.48257	.97537	.34620	2.8824	8.4295	1.3166	6.1205	1.6283
#1	3.1311	.01371	.21244	.01077	.01962	1.0875	.04115	2.7255	.00961	.04468	.00925	.01008	.46793
#2	3.0964	.01145	.20573	.01067	.02007	1.0801	.04059	2.7122	.01001	.03965	.00908	.00924	.47883
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Fail	Chk Pass
Value												.01500	
Range												-30.000%	

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.0130**	**.10030**	**.00998**	**.01618**	**.00976**	**.01462**	**.05562**	**.01018**	**.02305**	**.01355**
Stddev	.0165	.00077	.00005	.00003	.00032	.00082	.02266	.00012	.00037	.00209
%RSD	1.6283	.76357	.50392	.16271	3.2418	5.6035	40.750	1.2121	1.6102	15.440
#1	1.0014	.09976	.01002	.01616	.00998	.01404	.07164	.01010	.02332	.01207
#2	1.0247	.10084	.00995	.01620	.00953	.01520	.03959	.01027	.02279	.01503
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value										
Range										

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**3387.0**	**52993.**	**5712.7**
Stddev	1.2	418.	37.6
%RSD	.03491	.78814	.65901
#1	3386.2	52698.	5686.1
#2	3387.9	53288.	5739.4

Sample Name: mb 280-117542/1-b Acquired: 5/3/2012 13:17:36 Type: Unk
Method: 6500_025(v2) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 117882 200.7

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00037**	**.00067**	**-.00144**	**-.00010**	**.00041**	**.00002**	**.00245**	**.00692**	**-.00010**	**.00020**
Stddev	.00020	.00026	.00326	.00001	.00012	.00003	.00077	.00016	.00012	.00007
%RSD	54.319	39.564	227.14	7.1483	29.506	193.35	31.451	2.3774	117.61	36.322
#1	.00023	.00086	-.00374	-.00010	.00032	-.00001	.00191	.00704	-.00018	.00025
#2	.00051	.00048	.00087	-.00009	.00050	.00004	.00300	.00680	-.00002	.00015
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00013**	**.00012**	**.00171**	**.05806**	**.00120**	**.00132**	**.00003**	**-.00029**	W **.08705**	**.00000**
Stddev	.00010	.00002	.00324	.00294	.00197	.00326	.00001	.00019	.01526	.00002
%RSD	76.912	19.697	188.87	5.0698	164.36	247.12	29.103	65.704	17.528	847.19
#1	-.00006	.00010	.00400	.06014	.00259	.00362	.00004	-.00042	.07626	.00002
#2	-.00020	.00014	-.00058	.05598	-.00019	-.00099	.00002	-.00015	.09784	-.00001
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass
High Limit									.05054	
Low Limit									-.50000	

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00017**	**-.00051**	F **.03498**	**-.00330**	**-.00297**	F **.02017**	**.04316**	**-.00062**	**.00007**	**-.00091**
Stddev	.00035	.00027	.00120	.00204	.00363	.00418	.00895	.00008	.00000	.00048
%RSD	206.97	53.161	3.4451	61.912	122.16	20.744	20.744	12.398	5.8552	53.203
#1	.00041	-.00032	.03583	-.00185	-.00040	.02313	.04949	-.00067	.00006	-.00125
#2	-.00008	-.00070	.03412	-.00474	-.00554	.01721	.03683	-.00056	.00007	-.00057
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Fail	None	Chk Pass	Chk Pass	Chk Pass
High Limit			.01000			.01000				
Low Limit			-.01000			-.01000				

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00008**	**-.00032**	**.00451**	**-.00055**	**.00317**	**.00058**
Stddev	.00042	.00014	.01697	.00027	.00036	.00005
%RSD	522.81	43.458	376.54	49.128	11.288	9.2237
#1	-.00038	-.00022	.01650	-.00074	.00342	.00054
#2	.00022	-.00042	-.00749	-.00036	.00292	.00062
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**3412.3**	**53648.**	**5836.2**
Stddev	.8	57.	57.0
%RSD	.02228	.10705	.97685
#1	3412.9	53689.	5876.5
#2	3411.8	53607.	5795.9

Sample Name: lcs 280-117542/2-b Acquired: 5/3/2012 13:20:01 Type: Unk
Method: 6500_025(v2) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 117882 200.7

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.05306**	**1.8769**	**1.0057**	**1.0110**	**1.9529**	**.04748**	**2.0838**	**46.114**	**.10062**	**.48817**
Stddev	.00093	.0158	.0052	.0019	.0017	.00042	.0057	.170	.00041	.00171
%RSD	1.7451	.84008	.51975	.18252	.08687	.89207	.27184	.36808	.40489	.35117
#1	.05240	1.8881	1.0020	1.0123	1.9517	.04718	2.0878	45.994	.10090	.48938
#2	.05371	1.8658	1.0094	1.0097	1.9541	.04778	2.0798	46.234	.10033	.48695
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.19859**	**.26374**	**.99406**	**49.522**	**.95939**	**50.639**	**.51977**	**1.0035**	**50.237**	**.48837**
Stddev	.00034	.00015	.00303	.112	.00547	.075	.00076	.0060	.398	.00212
%RSD	.16919	.05858	.30513	.22561	.56975	.14829	.14668	.60144	.79240	.43378
#1	.19883	.26363	.99620	49.443	.95552	50.586	.51923	1.0078	49.955	.48987
#2	.19835	.26385	.99191	49.601	.96325	50.692	.52031	.99922	50.518	.48687
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**9.8886**	**.49128**	**.03314**	**.48461**	**2.0747**	F **9.3784**	F **20.070**	**1.9901**	**.98695**	**1.0312**
Stddev	.0673	.00165	.00528	.00583	.0094	.1076	.230	.0094	.00071	.0003
%RSD	.68063	.33578	15.945	1.2023	.45081	1.1470	1.1470	.47277	.07184	.02605
#1	9.9362	.49244	.03687	.48873	2.0813	9.3023	19.907	1.9968	.98645	1.0314
#2	9.8410	.49011	.02940	.48049	2.0681	9.4545	20.233	1.9835	.98745	1.0310
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Fail	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit						11.500	24.610			
Low Limit						9.4000	20.100			

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.0002**	**2.0262**	**2.2029**	**.50672**	**.49263**	**.48976**
Stddev	.0004	.0108	.0267	.00131	.00066	.00219
%RSD	.04228	.53349	1.2108	.25911	.13382	.44799
#1	.99990	2.0338	2.2217	.50579	.49217	.49131
#2	1.0005	2.0185	2.1840	.50764	.49310	.48820
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**3235.2**	**50613.**	**5749.3**
Stddev	7.6	33.	68.8
%RSD	.23504	.06473	1.1969
#1	3229.8	50636.	5798.0
#2	3240.5	50590.	5700.7

Sample Name: 280-28280-c-1-e Acquired: 5/3/2012 13:22:11 Type: Unk
Method: 6500_025(v2) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 117882 200.7

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00044**	**.17218**	**-.00066**	**.01091**	**.05265**	**.00007**	**-.00060**	**25.426**	**.00003**	**.00047**
Stddev	.00038	.00072	.00257	.00005	.00032	.00006	.00019	.067	.00014	.00032
%RSD	87.559	.41810	391.05	.43098	.60369	87.640	31.909	.26379	520.45	68.469
#1	.00017	.17269	.00116	.01087	.05288	.00011	-.00047	25.473	.00012	.00070
#2	.00071	.17167	-.00247	.01094	.05243	.00003	-.00074	25.379	-.00007	.00024
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00048**	**.00183**	**.37139**	**1.3059**	**.00278**	**6.5486**	**.06039**	**.00354**	**16.549**	**.00056**
Stddev	.00010	.00031	.00003	.0248	.00203	.0666	.00063	.00037	.253	.00020
%RSD	20.031	16.906	.00741	1.8960	72.829	1.0176	1.0398	10.366	1.5301	35.080
#1	.00055	.00161	.37141	1.3235	.00422	6.5015	.05995	.00328	16.728	.00070
#2	.00041	.00205	.37137	1.2884	.00135	6.5957	.06084	.00380	16.370	.00042
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.02063**	**.00021**	**8.0742**	**-.00095**	**-.00286**	**4.1151**	**8.8062**	**.00111**	**.31936**	**-.00105**
Stddev	.00187	.00189	.0260	.00149	.00189	.0349	.0747	.00005	.00199	.00037
%RSD	9.0885	911.83	.32161	156.75	66.298	.84875	.84875	4.7018	.62315	35.111
#1	.01930	.00154	8.0925	-.00201	-.00152	4.1397	8.8591	.00107	.32077	-.00131
#2	.02195	-.00113	8.0558	.00010	-.00420	4.0904	8.7534	.00114	.31796	-.00079
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00144**	**.00021**	**-.00058**	**.00071**	**.01371**	**.00038**
Stddev	.00031	.00252	.00760	.00022	.00029	.00117
%RSD	21.786	1203.9	1311.0	31.081	2.1464	305.11
#1	.00122	-.00157	-.00596	.00087	.01351	-.00044
#2	.00167	.00199	.00480	.00056	.01392	.00121
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**3327.4**	**52526.**	**5768.1**
Stddev	10.2	359.	22.5
%RSD	.30627	.68323	.39049
#1	3320.2	52780.	5752.1
#2	3334.6	52272.	5784.0

Sample Name: SD 280-28280-c-1-e@5 Acquired: 5/3/2012 13:24:33 Type: Unk
Method: 6500_025(v2) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 117882 200.7

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00029**	**.03718**	**-.00156**	**.00274**	**.01057**	**.00005**	**-.00088**	**5.1150**	**.00000**	**.00026**
Stddev	.00040	.00022	.00132	.00044	.00009	.00002	.00058	.0052	.00003	.00014
%RSD	134.99	.60343	84.881	16.236	.81581	42.330	66.009	.10166	3671.3	53.327
#1	.00057	.03703	-.00062	.00305	.01051	.00003	-.00129	5.1187	-.00002	.00035
#2	.00001	.03734	-.00249	.00242	.01063	.00006	-.00047	5.1113	.00002	.00016
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00019**	**-.00004**	**.09210**	**.29949**	**.00325**	**1.2940**	**.01278**	**.00037**	**3.1145**	**-.00001**
Stddev	.00005	.00030	.00177	.00510	.00007	.0022	.00003	.00017	.0037	.00014
%RSD	25.074	766.47	1.9249	1.7021	2.2882	.17278	.20937	44.748	.11924	993.77
#1	.00016	-.00025	.09085	.30309	.00319	1.2924	.01276	.00025	3.1172	.00009
#2	.00023	.00017	.09336	.29589	.00330	1.2956	.01280	.00049	3.1119	-.00011
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00331**	**-.00108**	**1.5311**	**-.00038**	**-.00209**	**.83621**	**1.7895**	**.00046**	**.06380**	**.00076**
Stddev	.00278	.00069	.0010	.00184	.00045	.00826	.0177	.00000	.00029	.00044
%RSD	84.199	64.114	.06192	482.93	21.456	.98736	.98736	.28276	.44774	57.674
#1	.00134	-.00059	1.5304	-.00169	-.00241	.84205	1.8020	.00046	.06400	.00107
#2	.00528	-.00157	1.5318	.00092	-.00177	.83037	1.7770	.00046	.06360	.00045
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00040**	**-.00251**	**.01043**	**-.00019**	**.00686**	**-.00026**
Stddev	.00014	.00109	.01747	.00019	.00017	.00084
%RSD	35.808	43.323	167.56	100.65	2.5446	319.25
#1	.00030	-.00174	-.00193	-.00006	.00699	-.00086
#2	.00050	-.00328	.02278	-.00033	.00674	.00033
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**3350.9**	**53130.**	**5745.3**
Stddev	3.9	49.	19.7
%RSD	.11586	.09204	.34373
#1	3353.6	53096.	5731.4
#2	3348.1	53165.	5759.3

Sample Name: 280-28280-c-1-f ms Acquired: 5/3/2012 13:26:57 Type: Unk
Method: 6500_025(v2) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 117882 200.7

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.05195**	**1.9944**	**.99552**	**1.0081**	**1.9767**	**.04713**	F **2.0602**	**71.036**	**.09998**	**.48062**
Stddev	.00042	.0049	.00033	.0032	.0017	.00002	.0010	.083	.00008	.00022
%RSD	.80319	.24447	.03345	.31596	.08368	.05284	.04658	.11746	.07690	.04542
#1	.05225	1.9909	.99529	1.0058	1.9755	.04715	2.0608	71.095	.10004	.48077
#2	.05166	1.9978	.99576	1.0103	1.9779	.04711	2.0595	70.977	.09993	.48047
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit							.10000			
Low Limit							-.10000			

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.19628**	**.25948**	**1.3302**	**50.192**	**.95847**	**55.762**	**.56628**	**.99422**	**65.743**	**.47954**
Stddev	.00011	.00010	.0020	.097	.00225	.101	.00120	.00322	.201	.00169
%RSD	.05522	.03884	.14849	.19300	.23428	.18109	.21107	.32348	.30639	.35232
#1	.19620	.25956	1.3288	50.123	.95688	55.833	.56712	.99650	65.886	.47835
#2	.19636	.25941	1.3316	50.260	.96006	55.691	.56543	.99195	65.601	.48074
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **9.8649**	**.48409**	**8.1565**	**.48443**	**2.0346**	**13.464**	**28.813**	**1.9660**	**1.2867**	**1.0117**
Stddev	.0456	.00336	.0125	.00233	.0089	.002	.004	.0004	.0018	.0056
%RSD	.46228	.69402	.15348	.48194	.43537	.01478	.01478	.02122	.14135	.55549
#1	9.8327	.48171	8.1477	.48278	2.0284	13.463	28.810	1.9657	1.2854	1.0156
#2	9.8972	.48646	8.1654	.48608	2.0409	13.465	28.816	1.9663	1.2880	1.0077
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	2.0000									
Low Limit	-1.0000									

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.98947**	**1.9766**	**2.1544**	**.49994**	**.49376**	**.48126**
Stddev	.00213	.0006	.0108	.00097	.00280	.00126
%RSD	.21550	.02997	.50270	.19366	.56693	.26205
#1	.99097	1.9762	2.1621	.49926	.49574	.48037
#2	.98796	1.9770	2.1467	.50063	.49178	.48215
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**3235.6**	**50686.**	**5774.7**
Stddev	1.9	98.	1.7
%RSD	.05831	.19243	.02961
#1	3237.0	50617.	5773.5
#2	3234.3	50755.	5775.9

Sample Name: 280-28280-c-1-g msd Acquired: 5/3/2012 13:29:06 Type: Unk
Method: 6500_025(v2) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 117882 200.7

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.05215**	**2.0034**	**1.0057**	**1.0117**	**1.9875**	**.04734**	F **2.0657**	**71.189**	**.09974**	**.48217**
Stddev	.00045	.0033	.0024	.0001	.0018	.00020	.0067	.205	.00013	.00008
%RSD	.86217	.16596	.24274	.01464	.09031	.41530	.32252	.28773	.12800	.01583
#1	.05184	2.0057	1.0040	1.0116	1.9888	.04748	2.0610	71.334	.09965	.48222
#2	.05247	2.0010	1.0074	1.0118	1.9863	.04720	2.0704	71.044	.09983	.48212
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit							.10000			
Low Limit							-.10000			

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.19714**	**.26079**	**1.3380**	**50.451**	**.96419**	**55.995**	**.57028**	**.99937**	**65.874**	**.48136**
Stddev	.00086	.00144	.0023	.039	.00531	.108	.00128	.00019	.266	.00069
%RSD	.43674	.55107	.16996	.07776	.55038	.19314	.22520	.01851	.40421	.14387
#1	.19775	.25977	1.3364	50.478	.96794	55.919	.56937	.99924	66.062	.48185
#2	.19653	.26180	1.3396	50.423	.96043	56.072	.57119	.99950	65.685	.48087
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **9.9155**	**.48351**	**8.1664**	**.48476**	**2.0407**	**13.546**	**28.989**	**1.9672**	**1.2946**	**1.0145**
Stddev	.0221	.00068	.0032	.00212	.0145	.018	.039	.0039	.0005	.0010
%RSD	.22319	.14013	.03891	.43680	.70972	.13579	.13579	.19968	.04005	.09852
#1	9.9312	.48399	8.1641	.48327	2.0509	13.559	29.016	1.9644	1.2949	1.0152
#2	9.8999	.48303	8.1686	.48626	2.0305	13.533	28.961	1.9700	1.2942	1.0138
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	2.0000									
Low Limit	-1.0000									

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.99215**	**1.9786**	**2.1430**	**.50008**	**.49307**	**.48202**
Stddev	.00069	.0001	.0294	.00356	.00022	.00107
%RSD	.06956	.00676	1.3739	.71123	.04536	.22129
#1	.99166	1.9787	2.1638	.49756	.49291	.48127
#2	.99264	1.9785	2.1222	.50259	.49323	.48278
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**3225.0**	**50472.**	**5742.6**
Stddev	4.1	118.	19.8
%RSD	.12571	.23475	.34526
#1	3227.9	50556.	5728.6
#2	3222.2	50389.	5756.7

Sample Name: 280-28280-d-2-b Acquired: 5/3/2012 13:31:14 Type: Unk
Method: 6500_025(v2) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 117882 200.7

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00051**	**.28403**	**-.00268**	**.00900**	**.04732**	**.00007**	**.00244**	**18.517**	**.00024**	**.00057**
Stddev	.00003	.00064	.00077	.00030	.00051	.00000	.00274	.048	.00006	.00024
%RSD	6.1717	.22379	28.604	3.2892	1.0698	5.3494	112.03	.25862	23.957	42.209
#1	.00053	.28448	-.00322	.00879	.04767	.00007	.00051	18.550	.00020	.00040
#2	.00049	.28359	-.00214	.00921	.04696	.00007	.00438	18.483	.00028	.00073
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00028**	**.00258**	**.62346**	**1.0986**	**.00383**	**3.9585**	**.15033**	**.00277**	**8.0244**	**.00095**
Stddev	.00014	.00016	.00064	.0280	.00240	.0008	.00016	.00100	.0181	.00042
%RSD	49.253	6.1189	.10244	2.5487	62.801	.01942	.10501	36.281	.22557	43.662
#1	.00018	.00247	.62301	1.1184	.00553	3.9590	.15021	.00206	8.0372	.00066
#2	.00038	.00269	.62391	1.0788	.00213	3.9579	.15044	.00348	8.0116	.00125
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.03936**	**-.00052**	**4.9630**	**.00002**	**-.00162**	**4.7092**	**10.078**	**-.00002**	**.20417**	**.00131**
Stddev	.00071	.00106	.0010	.00149	.00100	.0024	.005	.00029	.00108	.00015
%RSD	1.7942	202.62	.02024	6194.8	61.609	.05149	.05149	1713.9	.52865	11.666
#1	.03886	-.00127	4.9637	-.00103	-.00091	4.7075	10.074	.00019	.20493	.00142
#2	.03986	.00023	4.9623	.00108	-.00233	4.7109	10.081	-.00022	.20340	.00121
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00259**	**.00074**	**-.00143**	**.00149**	**.00985**	**.00019**
Stddev	.00013	.00128	.01223	.00028	.00038	.00035
%RSD	4.9974	173.24	852.42	18.560	3.8247	180.65
#1	.00269	-.00017	-.01008	.00130	.00958	.00044
#2	.00250	.00165	.00721	.00169	.01011	-.00005
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**3373.1**	**53187.**	**5857.9**
Stddev	8.6	25.	10.7
%RSD	.25515	.04688	.18186
#1	3367.0	53205.	5865.5
#2	3379.2	53170.	5850.4

Sample Name: 280-28280-d-3-b Acquired: 5/3/2012 13:33:36 Type: Unk
Method: 6500_025(v2) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 117882 200.7

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00028**	**.93680**	**-.00473**	**.00910**	**.13800**	**.00042**	**.00033**	**21.304**	**.00008**	**.00343**
Stddev	.00024	.00097	.00067	.00035	.00076	.00001	.00112	.028	.00001	.00009
%RSD	87.814	.10365	14.071	3.8612	.55253	2.9782	343.90	.13103	17.561	2.6666
#1	.00045	.93612	-.00426	.00935	.13746	.00041	-.00047	21.324	.00009	.00336
#2	.00010	.93749	-.00520	.00885	.13853	.00043	.00112	21.284	.00007	.00349
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00047**	**.00651**	**1.4882**	**1.3485**	**.00131**	**4.1108**	**.56498**	**.00026**	**6.1848**	**.00302**
Stddev	.00008	.00010	.0098	.0014	.00098	.0143	.00042	.00017	.0119	.00002
%RSD	16.129	1.5277	.66003	.10258	74.837	.34813	.07349	64.463	.19290	.56126
#1	.00042	.00658	1.4813	1.3495	.00062	4.1209	.56527	.00014	6.1764	.00303
#2	.00053	.00644	1.4952	1.3476	.00200	4.1007	.56469	.00038	6.1932	.00301
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.12209**	**.00246**	**5.8359**	**-.00051**	**-.00272**	**6.0103**	**12.862**	**-.00098**	**.21340**	**.00003**
Stddev	.00008	.00216	.0096	.00151	.00070	.0353	.076	.00003	.00094	.00120
%RSD	.06506	87.802	.16384	294.25	25.627	.58806	.58806	3.4532	.44140	3663.7
#1	.12214	.00093	5.8292	-.00158	-.00321	5.9853	12.809	-.00096	.21273	-.00082
#2	.12203	.00399	5.8427	.00056	-.00223	6.0353	12.916	-.00100	.21407	.00088
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00131**	**-.00103**	**-.00300**	**.00511**	**.02390**	**.00191**
Stddev	.00005	.00118	.00722	.00049	.00017	.00167
%RSD	4.0265	114.11	240.36	9.6333	.72936	87.307
#1	.00127	-.00020	.00210	.00476	.02378	.00309
#2	.00134	-.00186	-.00811	.00546	.02402	.00073
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**3390.4**	**52962.**	**5860.2**
Stddev	10.6	3.	23.0
%RSD	.31173	.00472	.39170
#1	3382.9	52960.	5844.0
#2	3397.9	52964.	5876.5

Sample Name: CCVH-1390999 Acquired: 5/3/2012 13:35:56 Type: QC
Method: 6500_025(v2) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2714
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00044**	**47.612**	**-.00152**	**.00236**	**.00041**	**.00001**	**.98020**	**.00995**	**.00001**	**.00037**	**.00042**	**-.00288**	**47.732**
Stddev	.00050	.098	.00403	.00050	.00007	.00003	.00186	.00074	.00010	.00018	.00026	.00016	.042
%RSD	114.59	.20681	265.79	21.114	17.485	432.65	.19006	7.4273	1062.8	48.124	60.830	5.5121	.08864
#1	-.00079	47.542	-.00437	.00271	.00036	-.00002	.98152	.01047	-.00006	.00050	.00024	-.00299	47.761
#2	-.00008	47.682	.00133	.00200	.00046	.00003	.97888	.00943	.00008	.00025	.00060	-.00277	47.702
Check ?	None	Chk Pass	None	None	None	None	Chk Pass	None	None	None	None	None	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01267**	**.00212**	**-.03854**	**.00013**	**-.00067**	**238.15**	**.00124**	**.00201**	**.00041**	**4.8243**	**-.00126**	**.00393**	**.04516**
Stddev	.03316	.00090	.00049	.00006	.00007	.38	.00033	.00030	.00007	.0037	.00007	.00506	.00759
%RSD	261.72	42.274	1.2722	47.202	10.055	.16119	26.649	15.000	17.335	.07641	5.8282	128.56	16.798
#1	-.01078	.00275	-.03820	.00017	-.00072	237.88	.00147	.00180	.00046	4.8217	-.00120	.00036	.03980
#2	.03612	.00148	-.03889	.00008	-.00062	238.42	.00100	.00223	.00036	4.8269	-.00131	.00751	.05053
Check ?	None	None	None	None	None	Chk Pass	None	None	None	Chk Pass	None	None	None
Value													
Range													

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.09665**	**-.00095**	**.00038**	**5.0017**	**.00706**	**-.00175**	**10.337**	**-.00363**	**.00267**	**-.04455**
Stddev	.01624	.00048	.00005	.0061	.00035	.00079	.032	.00010	.00024	.00122
%RSD	16.798	50.596	12.179	.12253	5.0181	45.267	.31000	2.8230	8.8064	2.7493
#1	.08517	-.00129	.00035	5.0060	.00731	-.00231	10.360	-.00356	.00284	-.04541
#2	.10813	-.00061	.00041	4.9974	.00681	-.00119	10.315	-.00370	.00250	-.04368
Check ?	None	None	None	Chk Pass	None	None	Chk Pass	None	None	None
Value										
Range										

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**3256.8**	**50611.**	**5722.0**
Stddev	4.9	40.	19.1
%RSD	.15176	.07812	.33377
#1	3260.3	50583.	5708.5
#2	3253.3	50639.	5735.5

Sample Name: CCV-1390955 Acquired: 5/3/2012 13:38:17 Type: QC
Method: 6500_025(v2) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.50362**	**.49155**	**.97545**	**.47589**	**.48686**	**.46799**	**-.00329**	**4.6859**	**.48646**	**.49335**	**.49398**	**.51367**	**2.4581**
Stddev	.00022	.00140	.00194	.00085	.00268	.00192	.00050	.0022	.00135	.00085	.00201	.00223	.0073
%RSD	.04280	.28550	.19838	.17930	.55070	.41070	15.095	.04684	.27838	.17293	.40627	.43486	.29783
#1	.50377	.49254	.97681	.47649	.48496	.46663	-.00365	4.6843	.48742	.49395	.49539	.51525	2.4529
#2	.50347	.49056	.97408	.47528	.48875	.46934	-.00294	4.6874	.48550	.49274	.49256	.51209	2.4633
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**48.697**	**.95288**	**19.832**	**.50873**	**.49330**	**4.7073**	**.48935**	**.93389**	**1.0038**	**.01082**	**.95163**	**.97855**	**4.6763**
Stddev	.369	.00376	.038	.00071	.00195	.0052	.00207	.00698	.0035	.00339	.00452	.00714	.0304
%RSD	.75782	.39471	.19148	.13877	.39445	.11036	.42307	.74729	.35289	31.310	.47509	.73002	.65014
#1	48.436	.95022	19.806	.50823	.49467	4.7110	.49082	.93882	1.0063	.01322	.95482	.98361	4.6548
#2	48.958	.95554	19.859	.50923	.49192	4.7036	.48789	.92895	1.0013	.00843	.94843	.97350	4.6978
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**10.007**	**.98371**	**.48488**	**-.00091**	**.49022**	**.99818**	**.00596**	**.49482**	**.49002**	**.49235**
Stddev	.065	.00201	.00368	.00026	.00121	.00270	.00553	.00144	.00120	.00267
%RSD	.65014	.20477	.75846	28.726	.24588	.27041	92.825	.29018	.24573	.54220
#1	9.9612	.98513	.48228	-.00110	.48937	1.0001	.00205	.49381	.49087	.49047
#2	10.053	.98228	.48748	-.00073	.49108	.99627	.00986	.49584	.48917	.49424
Check ?	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value										
Range										

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**3325.0**	**51890.**	**5687.6**
Stddev	11.2	239.	35.1
%RSD	.33784	.45989	.61748
#1	3317.0	52059.	5712.4
#2	3332.9	51721.	5662.8

Sample Name: CCB Acquired: 5/3/2012 13:40:29 Type: QC
Method: 6500_025(v2) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00034**	**.00019**	W **-.00483**	**.00044**	**.00015**	**.00003**	**-.00381**	**-.00095**	**.00031**	**-.00001**	**-.00004**
Stddev	.00026	.00022	.00041	.00015	.00023	.00000	.00170	.00014	.00010	.00017	.00033
%RSD	76.405	115.78	8.4135	33.516	149.02	11.242	44.531	14.367	31.935	1199.5	834.47
#1	.00053	.00003	-.00454	.00033	.00031	.00003	-.00501	-.00085	.00038	.00011	.00020
#2	.00016	.00034	-.00511	.00054	-.00001	.00003	-.00261	-.00105	.00024	-.00014	-.00028
Check ?	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit			.00441								
Low Limit			-.00441								

Elem	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00041**	**.00190**	**.02788**	**.00120**	**-.00084**	**-.00001**	**.00083**	**-.00932**	**-.00002**	**.00148**	**-.00076**
Stddev	.00023	.00175	.05254	.00273	.00219	.00005	.00032	.01337	.00045	.00137	.00008
%RSD	56.458	91.892	188.44	227.35	260.40	459.87	38.913	143.44	2008.5	92.772	10.853
#1	-.00025	.00067	-.00927	.00313	.00071	.00002	.00060	.00013	-.00034	.00245	-.00082
#2	-.00058	.00314	.06503	-.00073	-.00239	-.00005	.00106	-.01877	.00030	.00051	-.00070
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit											
Low Limit											

Elem	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00350**	**.00247**	**-.00199**	**.01852**	**.03963**	**-.00043**	**.00003**	**-.00026**	**-.00018**	**-.00197**	**.00442**
Stddev	.00033	.00223	.00216	.01585	.03392	.00069	.00005	.00098	.00002	.00059	.01853
%RSD	9.4539	90.062	108.61	85.586	85.586	160.14	147.16	377.67	8.2549	30.034	419.06
#1	.00327	.00405	-.00046	.00731	.01565	.00006	.00007	-.00095	-.00019	-.00238	.01753
#2	.00374	.00090	-.00351	.02972	.06361	-.00092	.00000	.00043	-.00017	-.00155	-.00868
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit											
Low Limit											

Elem	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm
Avg	**-.00008**	**.00288**	**.00001**
Stddev	.00052	.00027	.00004
%RSD	698.44	9.5446	630.05
#1	.00030	.00268	.00003
#2	-.00045	.00307	-.00002
Check ?	Chk Pass	Chk Pass	Chk Pass
High Limit			
Low Limit			

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**3390.9**	**52602.**	**5647.8**
Stddev	19.6	67.	8.9
%RSD	.57682	.12752	.15777
#1	3377.0	52554.	5654.1
#2	3404.7	52649.	5641.5

Sample Name: CCVL1397430 Acquired: 5/3/2012 13:42:53 Type: QC
Method: 6500_025(v2) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01109**	**.10405**	**.01339**	**.09418**	**.01010**	**.00092**	**.10553**	**.18706**	**.00500**	**.01034**	**.01034**	**.01619**	**.10102**
Stddev	.00014	.00090	.00050	.00088	.00017	.00008	.00011	.00398	.00008	.00020	.00010	.00021	.00342
%RSD	1.3009	.86389	3.7032	.93276	1.7049	8.3480	.10057	2.1251	1.6705	1.9180	.95061	1.2804	3.3842
#1	.01099	.10342	.01374	.09356	.01022	.00087	.10545	.18988	.00494	.01048	.01027	.01634	.10344
#2	.01119	.10469	.01304	.09480	.00998	.00098	.10560	.18425	.00506	.01020	.01041	.01605	.09861
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**3.0181**	**.01089**	**.20736**	**.01073**	**.01972**	**.94665**	**.04070**	**2.6956**	**.00947**	**.00988**	**.00943**	F **.00993**	**.47846**
Stddev	.0245	.00008	.00065	.00003	.00019	.00601	.00029	.0050	.00004	.00470	.00057	.00526	.02138
%RSD	.81211	.69977	.31259	.31978	.96961	.63539	.71626	.18675	.38229	47.600	6.0325	53.006	4.4692
#1	3.0354	.01094	.20781	.01076	.01958	.94240	.04049	2.6921	.00944	.01320	.00983	.00621	.46334
#2	3.0008	.01083	.20690	.01071	.01985	.95090	.04091	2.6992	.00950	.00655	.00903	.01365	.49359
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Fail	Chk Pass
Value												.01500	
Range												-30.000%	

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.0239**	**.10041**	**.00996**	**.01504**	**.00962**	**.01283**	F **.08557**	**.00971**	**.02377**	**.01517**
Stddev	.0458	.00332	.00021	.00034	.00012	.00033	.00961	.00053	.00015	.00010
%RSD	4.4692	3.3112	2.1580	2.2802	1.2511	2.5680	11.234	5.4598	.63944	.66620
#1	.99156	.09806	.00981	.01528	.00954	.01260	.07877	.01009	.02366	.01524
#2	1.0563	.10276	.01011	.01479	.00971	.01306	.09237	.00934	.02388	.01510
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
Value							.06000			
Range							30.000%			

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**3394.3**	**52719.**	**5831.5**
Stddev	6.5	62.	4.0
%RSD	.19213	.11787	.06826
#1	3399.0	52763.	5834.3
#2	3389.7	52675.	5828.6

Sample Name: 280-28292-a-31-a Acquired: 5/3/2012 13:45:16 Type: Unk
Method: 6500_025(v2) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 117631 200.7

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00044**	**.04981**	**-.00221**	**.00088**	**.00196**	**.00004**	**.00154**	**.20881**	**.01256**	**.00025**
Stddev	.00072	.00022	.00274	.00096	.00001	.00001	.00085	.00061	.00012	.00001
%RSD	163.22	.44357	123.92	109.27	.50933	20.109	54.839	.29446	.93736	3.4582
#1	-.00007	.04965	-.00415	.00156	.00195	.00004	.00094	.20837	.01265	.00025
#2	.00096	.04997	-.00027	.00020	.00197	.00005	.00214	.20924	.01248	.00024
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00015**	**.00057**	**.05019**	**.03785**	**.00204**	**.03482**	**.00482**	**.00013**	**.26288**	**.00029**
Stddev	.00004	.00011	.00018	.01935	.00023	.00344	.00006	.00024	.00170	.00022
%RSD	29.747	18.679	.36422	51.118	11.109	9.8891	1.1639	186.69	.64537	75.589
#1	.00018	.00065	.05032	.05153	.00220	.03726	.00486	.00029	.26408	.00013
#2	.00012	.00050	.05006	.02417	.00188	.03239	.00478	-.00004	.26168	.00044
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00676**	**.00755**	**.17097**	**.00021**	**.00220**	**.06003**	**.12846**	**-.00058**	**.00090**	**.00123**
Stddev	.00136	.00000	.00082	.00254	.00218	.00753	.01612	.00082	.00002	.00028
%RSD	20.144	.01128	.48135	1214.2	99.112	12.550	12.550	139.79	1.9212	22.777
#1	.00580	.00755	.17155	.00201	.00374	.06535	.13986	-.00001	.00091	.00143
#2	.00773	.00755	.17039	-.00159	.00066	.05470	.11706	-.00116	.00089	.00104
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00169**	**-.00163**	**.00665**	**-.00051**	**.01909**	**-.00062**
Stddev	.00019	.00057	.01418	.00029	.00033	.00225
%RSD	11.307	34.614	213.25	56.480	1.7327	365.46
#1	.00183	-.00123	.01668	-.00031	.01933	-.00221
#2	.00156	-.00203	-.00338	-.00072	.01886	.00097
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**3417.7**	**53605.**	**5834.7**
Stddev	5.5	152.	27.0
%RSD	.16034	.28414	.46306
#1	3421.5	53498.	5853.8
#2	3413.8	53713.	5815.6

Sample Name: 280-28292-a-21-a@5 Acquired: 5/3/2012 13:47:42 Type: Unk
Method: 6500_025(v2) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 117631 200.7

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00154**	**.12104**	**-.00215**	**.10972**	**.00349**	**.00027**	**-.00213**	**104.08**	W **14.393**	**.03469**
Stddev	.00024	.00005	.00049	.00023	.00020	.00001	.00058	.45	.002	.00001
%RSD	15.779	.03743	22.661	.20704	5.7425	2.4591	27.253	.43610	.01428	.04060
#1	.00171	.12107	-.00181	.10988	.00335	.00028	-.00254	103.76	14.391	.03470
#2	.00137	.12100	-.00250	.10956	.00364	.00027	-.00172	104.40	14.394	.03468
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass
High Limit									2.0000	
Low Limit									-.00500	

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00000**	**.00985**	**.02298**	**1.0239**	**.04664**	**43.617**	**9.5723**	**-.00020**	**120.16**	**.08307**
Stddev	.00025	.00052	.00143	.0082	.00074	.308	.1608	.00004	.60	.00069
%RSD	9365.9	5.3042	6.2158	.80046	1.5940	.70547	1.6804	17.921	.49559	.83204
#1	-.00017	.01022	.02399	1.0181	.04612	43.835	9.6861	-.00018	119.74	.08356
#2	.00018	.00948	.02197	1.0297	.04717	43.400	9.4586	-.00023	120.58	.08258
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.11131**	**.00429**	W **194.25**	**.00109**	**.02331**	**2.6600**	**5.6924**	**.00078**	**.46636**	**-.00818**
Stddev	.00350	.00109	.25	.00019	.00460	.0196	.0420	.00062	.00183	.00055
%RSD	3.1422	25.413	.13066	17.182	19.734	.73736	.73736	79.980	.39229	6.7819
#1	.10883	.00506	194.43	.00122	.02005	2.6739	5.7221	.00122	.46507	-.00857
#2	.11378	.00352	194.07	.00096	.02656	2.6462	5.6628	.00034	.46766	-.00779
Check ?	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit			180.00							
Low Limit			-.15000							

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00041**	**-.00067**	W **-.05610**	**-.00005**	W **27.225**	**.00024**
Stddev	.00017	.00033	.00809	.00049	.124	.00099
%RSD	41.951	49.009	14.415	928.95	.45470	413.51
#1	.00053	-.00090	-.06182	.00029	27.312	-.00046
#2	.00029	-.00043	-.05038	-.00040	27.137	.00094
Check ?	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Warn	Chk Pass
High Limit			45.000		10.000	
Low Limit			-.05000		-.00500	

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**3210.6**	**49701.**	**5668.9**
Stddev	6.6	294.	11.1
%RSD	.20460	.59095	.19518
#1	3206.0	49493.	5661.0
#2	3215.2	49909.	5676.7

Sample Name: SD 28292-a-21-a@25 Acquired: 5/3/2012 13:50:09 Type: Unk
Method: 6500_025(v2) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 117631 200.7

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00082**	**.02483**	**-.00279**	**.02213**	**.00073**	**.00003**	**-.00123**	**20.488**	W **2.9161**	**.00736**
Stddev	.00012	.00012	.00514	.00064	.00001	.00007	.00332	.066	.0024	.00004
%RSD	15.026	.47924	184.05	2.8790	1.5306	203.86	270.91	.32425	.08259	.53113
#1	.00090	.02491	.00084	.02167	.00074	-.00001	.00112	20.535	2.9178	.00739
#2	.00073	.02474	-.00642	.02258	.00073	.00008	-.00358	20.441	2.9144	.00733
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass
High Limit									2.0000	
Low Limit									-.00500	

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00009**	**.00181**	**.00885**	**.22104**	**.01154**	**8.7100**	**1.9858**	**-.00012**	**24.403**	**.01692**
Stddev	.00011	.00003	.00312	.02009	.00164	.0073	.0017	.00004	.049	.00032
%RSD	126.81	1.8837	35.212	9.0896	14.197	.08404	.08551	31.296	.19902	1.8832
#1	.00001	.00178	.01106	.20683	.01038	8.7152	1.9870	-.00009	24.438	.01714
#2	.00017	.00183	.00665	.23525	.01270	8.7048	1.9846	-.00015	24.369	.01669
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.02454**	**.00188**	**37.786**	**-.00195**	**.00509**	**.54353**	**1.1632**	**.00032**	**.09311**	**-.00151**
Stddev	.00228	.00077	.020	.00200	.00085	.00318	.0068	.00111	.00031	.00225
%RSD	9.3062	40.658	.05410	102.64	16.676	.58420	.58420	352.49	.33185	148.75
#1	.02293	.00134	37.801	-.00337	.00449	.54129	1.1584	-.00047	.09333	.00008
#2	.02616	.00242	37.772	-.00054	.00569	.54578	1.1680	.00110	.09289	-.00310
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00006**	**-.00117**	**-.01794**	**.00027**	**5.6126**	**-.00086**
Stddev	.00013	.00077	.02707	.00044	.0102	.00021
%RSD	227.95	66.033	150.92	165.16	.18183	24.277
#1	-.00015	-.00062	-.03708	-.00004	5.6198	-.00100
#2	.00004	-.00171	.00121	.00058	5.6054	-.00071
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**3341.9**	**52205.**	**5836.2**
Stddev	.3	158.	33.2
%RSD	.00920	.30329	.56856
#1	3341.7	52093.	5859.7
#2	3342.1	52317.	5812.8

Sample Name: 28292-a-21-b ms@5 Acquired: 5/3/2012 13:52:30 Type: Unk
Method: 6500_025(v2) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 117631 200.7

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01113**	**.49976**	**.19964**	**.30066**	**.39866**	**.00961**	F **.40879**	**111.75**	W **14.272**	**.13045**
Stddev	.00037	.00119	.00264	.00244	.00198	.00006	.00001	.31	.030	.00076
%RSD	3.3463	.23838	1.3225	.81144	.49650	.62108	.00284	.27984	.20965	.58273
#1	.01139	.50060	.20151	.30238	.40006	.00965	.40878	111.97	14.293	.13099
#2	.01087	.49892	.19778	.29893	.39726	.00957	.40879	111.52	14.251	.12991
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Warn	Chk Pass
High Limit							.10000		2.0000	
Low Limit							-.10000		-.00500	

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.03975**	**.06237**	**.20374**	**11.222**	**.24074**	**52.972**	**9.5015**	**.20271**	**128.66**	**.17837**
Stddev	.00018	.00006	.00291	.032	.00032	.091	.0478	.00063	1.04	.00116
%RSD	.45440	.10067	1.4307	.28183	.13134	.17226	.50262	.31127	.80750	.65030
#1	.03987	.06233	.20167	11.245	.24052	52.907	9.4677	.20315	129.40	.17919
#2	.03962	.06242	.20580	11.200	.24097	53.036	9.5353	.20226	127.93	.17755
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **2.1200**	**.09903**	W **192.75**	**.09615**	**.43702**	**4.4988**	**9.6275**	**.39258**	**.65996**	**.19995**
Stddev	.0065	.00168	.58	.00192	.00514	.0147	.0316	.00172	.00232	.00094
%RSD	.30719	1.6943	.30099	1.9933	1.1753	.32790	.32790	.43708	.35210	.47179
#1	2.1246	.09784	193.16	.09751	.44065	4.5092	9.6498	.39379	.66160	.20062
#2	2.1154	.10022	192.34	.09480	.43339	4.4884	9.6051	.39137	.65831	.19928
Check ?	Chk Warn	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	2.0000		180.00							
Low Limit	-1.0000		-.15000							

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.20173**	**.38427**	**.37824**	**.10264**	W **26.730**	**.10027**
Stddev	.00039	.00187	.00381	.00063	.061	.00279
%RSD	.19549	.48769	1.0067	.61539	.22760	2.7809
#1	.20145	.38559	.38093	.10309	26.687	.10224
#2	.20201	.38294	.37554	.10220	26.773	.09829
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass
High Limit					10.000	
Low Limit					-.00500	

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**3185.7**	**49876.**	**5701.6**
Stddev	9.3	63.	32.9
%RSD	.29037	.12609	.57668
#1	3179.2	49921.	5678.3
#2	3192.2	49832.	5724.8

Sample Name: 28292-a-21-c msd@5 Acquired: 5/3/2012 13:54:53 Type: Unk
Method: 6500_025(v2) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 117631 200.7

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01227**	**.51459**	**.20809**	**.31057**	**.41246**	**.00996**	F **.42279**	**115.32**	W **14.795**	**.13517**
Stddev	.00041	.00148	.00355	.00080	.00511	.00023	.00092	1.67	.030	.00038
%RSD	3.3708	.28670	1.7045	.25903	1.2380	2.3598	.21735	1.4475	.20497	.27797
#1	.01256	.51355	.20558	.31000	.40885	.00979	.42344	114.14	14.817	.13490
#2	.01198	.51563	.21060	.31114	.41607	.01012	.42214	116.50	14.774	.13543
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Warn	Chk Pass
High Limit							.10000		2.0000	
Low Limit							-.10000		-.00500	

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.04113**	**.06415**	**.20692**	**11.551**	**.24776**	**54.533**	**9.8118**	**.20956**	**133.40**	**.18425**
Stddev	.00013	.00024	.00312	.068	.00451	.259	.0037	.00025	1.68	.00002
%RSD	.30445	.38111	1.5069	.58948	1.8186	.47446	.03762	.12146	1.2586	.00846
#1	.04122	.06398	.20471	11.503	.24457	54.351	9.8145	.20974	132.21	.18424
#2	.04105	.06432	.20912	11.599	.25094	54.716	9.8092	.20938	134.58	.18426
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **2.1870**	**.10313**	W **199.29**	**.10082**	**.44764**	**4.6578**	**9.9677**	**.40701**	**.68249**	**.20641**
Stddev	.0070	.00102	.40	.00076	.00027	.0472	.1009	.00052	.00793	.00184
%RSD	.32234	.98933	.19847	.75750	.06108	1.0126	1.0126	.12870	1.1614	.88975
#1	2.1920	.10385	199.57	.10028	.44745	4.6244	9.8963	.40664	.67689	.20511
#2	2.1820	.10241	199.01	.10136	.44783	4.6911	10.039	.40738	.68810	.20771
Check ?	Chk Warn	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	2.0000		180.00							
Low Limit	-1.0000		-.15000							

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.20879**	**.39809**	**.38262**	**.10512**	W **27.398**	**.10278**
Stddev	.00063	.00056	.00244	.00005	.123	.00220
%RSD	.29954	.14185	.63740	.04755	.44775	2.1450
#1	.20835	.39849	.38434	.10515	27.311	.10122
#2	.20923	.39769	.38089	.10508	27.484	.10434
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass
High Limit					10.000	
Low Limit					-.00500	

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**3169.6**	**49641.**	**5722.0**
Stddev	3.8	104.	35.4
%RSD	.11931	.21033	.61820
#1	3166.9	49715.	5747.0
#2	3172.2	49567.	5696.9

Sample Name: 280-28292-a-29-a@5 Acquired: 5/3/2012 13:57:16 Type: Unk
Method: 6500_025(v2) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 117631 200.7

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00039**	**-.00080**	W **12.400**	**.02384**	**.00399**	**.00005**	**-.00279**	**113.65**	**-.00147**	**.00083**
Stddev	.00003	.00045	.032	.00032	.00003	.00005	.00103	.37	.00022	.00019
%RSD	8.8088	56.684	.25503	1.3323	.79292	96.516	36.736	.32236	15.126	22.966
#1	.00041	-.00048	12.423	.02406	.00397	.00008	-.00207	113.91	-.00163	.00069
#2	.00037	-.00112	12.378	.02361	.00401	.00002	-.00352	113.39	-.00131	.00096
Check ?	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit			10.000							
Low Limit			-.01000							

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00027**	**.00078**	**.03548**	**1.0490**	**.03774**	**2.9592**	**.36056**	**.00232**	**125.68**	**.00250**
Stddev	.00034	.00023	.00003	.0371	.00012	.0101	.00015	.00026	.86	.00020
%RSD	123.21	29.957	.07370	3.5359	.32953	.34254	.04091	11.191	.68723	8.1630
#1	.00051	.00095	.03550	1.0227	.03766	2.9664	.36067	.00214	126.29	.00235
#2	.00004	.00062	.03546	1.0752	.03783	2.9521	.36046	.00251	125.07	.00264
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.02329**	**-.00024**	**145.96**	**-.00019**	**.05200**	**2.1401**	**4.5798**	**.00023**	**.42808**	**-.00053**
Stddev	.00031	.00116	.05	.00076	.00370	.0191	.0408	.00068	.00213	.00093
%RSD	1.3479	490.67	.03719	397.31	7.1170	.89122	.89122	298.44	.49830	175.60
#1	.02351	.00059	145.99	-.00073	.04938	2.1536	4.6087	-.00025	.42959	-.00118
#2	.02307	-.00106	145.92	.00035	.05462	2.1266	4.5510	.00071	.42657	.00013
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00017**	**-.00047**	**.00582**	**.00053**	**.00734**	**.00041**
Stddev	.00011	.00084	.01260	.00002	.00076	.00054
%RSD	65.570	177.02	216.62	4.1300	10.384	133.51
#1	.00025	-.00106	.01473	.00055	.00680	.00079
#2	.00009	.00012	-.00309	.00052	.00788	.00002
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**3224.5**	**50124.**	**5751.4**
Stddev	11.7	134.	37.8
%RSD	.36287	.26769	.65641
#1	3216.2	50029.	5724.7
#2	3232.8	50218.	5778.1

Sample Name: CCVH-1390999 Acquired: 5/3/2012 13:59:36 Type: QC
Method: 6500_025(v2) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2714
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00097**	**47.460**	**.00288**	**.00225**	**.00042**	**.00007**	**.98259**	**.01149**	**-.00001**	**.00046**	**.00021**	**-.00384**	**47.769**
Stddev	.00032	.179	.00292	.00076	.00011	.00003	.00439	.00473	.00003	.00004	.00013	.00004	.248
%RSD	33.083	.37762	101.16	33.846	26.832	43.081	.44699	41.195	579.46	8.6409	62.930	1.0618	.51939
#1	-.00120	47.587	.00082	.00279	.00050	.00005	.97948	.01483	.00002	.00044	.00030	-.00381	47.944
#2	-.00075	47.334	.00495	.00171	.00034	.00009	.98569	.00814	-.00003	.00049	.00012	-.00387	47.593
Check ?	None	Chk Pass	None	None	None	None	Chk Pass	None	None	None	None	None	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.03600**	**.00049**	**-.03523**	**.00013**	**-.00080**	**238.92**	**.00173**	**.00423**	**-.00007**	**4.8771**	**-.00093**	**.00346**	**.02096**
Stddev	.00955	.00137	.00215	.00001	.00036	2.32	.00010	.00381	.00022	.0021	.00067	.00153	.00292
%RSD	26.533	277.26	6.0977	4.1506	44.954	.97306	5.9210	90.229	303.70	.04325	72.470	44.179	13.938
#1	.04276	-.00047	-.03674	.00013	-.00055	240.56	.00180	.00692	.00008	4.8786	-.00140	.00238	.02302
#2	.02925	.00146	-.03371	.00014	-.00106	237.27	.00166	.00153	-.00023	4.8756	-.00045	.00454	.01889
Check ?	None	None	None	None	None	Chk Pass	None	None	None	Chk Pass	None	None	None
Value													
Range													

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.04484**	**.00095**	**.00034**	**5.0274**	**.00725**	**-.00072**	**10.389**	**-.00383**	**.00213**	**-.04618**
Stddev	.00625	.00045	.00012	.0330	.00026	.00003	.097	.00017	.00023	.00363
%RSD	13.938	47.531	34.809	.65694	3.5630	3.4772	.92909	4.5538	10.948	7.8672
#1	.04926	.00127	.00043	5.0040	.00743	-.00074	10.321	-.00396	.00197	-.04361
#2	.04042	.00063	.00026	5.0507	.00707	-.00070	10.457	-.00371	.00230	-.04875
Check ?	None	None	None	Chk Pass	None	None	Chk Pass	None	None	None
Value										
Range										

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**3312.8**	**51776.**	**5956.3**
Stddev	2.3	361.	6.1
%RSD	.06883	.69634	.10284
#1	3311.2	52031.	5951.9
#2	3314.4	51522.	5960.6

Sample Name: CCV-1390955 Acquired: 5/3/2012 14:01:57 Type: QC
Method: 6500_025(v2) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.50400**	**.48582**	**.98438**	**.47956**	**.49111**	**.46718**	**-.00408**	**4.6530**	**.49061**	**.49427**	**.49738**	**.51783**	**2.4758**
Stddev	.00030	.00091	.00725	.00190	.00006	.00018	.00143	.0071	.00179	.00007	.00147	.00071	.0033
%RSD	.05937	.18820	.73692	.39604	.01202	.03948	35.013	.15318	.36516	.01443	.29515	.13771	.13488
#1	.50421	.48647	.97925	.47822	.49115	.46731	-.00307	4.6480	.48934	.49422	.49842	.51733	2.4734
#2	.50378	.48518	.98951	.48090	.49107	.46705	-.00509	4.6581	.49187	.49432	.49634	.51834	2.4782
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**48.770**	**.95226**	**19.549**	**.50791**	**.49949**	**4.6886**	**.49134**	**.93447**	**1.0072**	**.01907**	**.95880**	**.99125**	**4.6429**
Stddev	.024	.00509	.105	.00149	.00083	.0093	.00122	.00708	.0009	.00538	.00173	.00245	.0105
%RSD	.04863	.53446	.53662	.29368	.16543	.19921	.24820	.75782	.09225	28.222	.18038	.24741	.22637
#1	48.787	.95586	19.623	.50897	.50007	4.6952	.49047	.92947	1.0066	.02287	.95758	.98952	4.6503
#2	48.753	.94866	19.475	.50686	.49890	4.6820	.49220	.93948	1.0079	.01526	.96003	.99299	4.6355
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**9.9358**	**.99050**	**.48790**	**-.00200**	**.48839**	**1.0017**	**.00366**	**.49330**	**.47742**	**.49708**
Stddev	.0225	.00062	.00054	.00037	.00301	.0061	.00570	.00274	.00332	.00374
%RSD	.22637	.06227	.11069	18.311	.61611	.60875	155.75	.55464	.69471	.75148
#1	9.9517	.99006	.48828	-.00226	.49052	1.0060	-.00037	.49523	.47976	.49972
#2	9.9199	.99094	.48751	-.00174	.48627	.99735	.00769	.49136	.47507	.49444
Check ?	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value										
Range										

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**3384.6**	**53171.**	**5934.1**
Stddev	12.9	377.	11.7
%RSD	.38143	.70974	.19715
#1	3375.5	52904.	5942.4
#2	3393.7	53438.	5925.8

Sample Name: CCB Acquired: 5/3/2012 14:04:09 Type: QC
Method: 6500_025(v2) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00039**	**.00006**	**-.00430**	**.00072**	**.00033**	**.00007**	**-.00146**	**-.00210**	**.00001**	**.00018**	**-.00001**	**-.00030**
Stddev	.00028	.00030	.00059	.00017	.00005	.00009	.00042	.00012	.00002	.00023	.00010	.00009
%RSD	72.443	524.33	13.830	23.424	14.967	130.93	28.517	5.7070	285.52	131.97	1366.3	29.228
#1	.00059	.00027	-.00388	.00060	.00037	.00013	-.00175	-.00219	.00002	.00001	-.00008	-.00036
#2	.00019	-.00015	-.00472	.00083	.00030	.00001	-.00116	-.00202	-.00001	.00034	.00007	-.00024
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit												
Low Limit												

Elem	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00211**	**.04098**	**.00074**	**-.00144**	**.00004**	**.00072**	**-.00683**	**.00017**	**-.00063**	**-.00106**	**.01429**	W **.00380**
Stddev	.00140	.01124	.00009	.00119	.00000	.00064	.00026	.00018	.00131	.00058	.00350	.00036
%RSD	66.399	27.423	11.523	82.414	5.5024	88.501	3.7555	108.13	206.42	54.812	24.527	9.3919
#1	.00112	.04893	.00068	-.00060	.00004	.00027	-.00665	.00004	.00029	-.00065	.01181	.00405
#2	.00310	.03303	.00080	-.00228	.00004	.00117	-.00701	.00029	-.00156	-.00147	.01677	.00355
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn
High Limit												.00314
Low Limit												-.00314

Elem	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00286**	**.01400**	**.02996**	**-.00132**	**.00001**	**.00061**	**.00008**	**-.00165**	**.01951**	**-.00031**	**.00281**	**-.00085**
Stddev	.00070	.00047	.00101	.00018	.00006	.00156	.00013	.00206	.02340	.00031	.00001	.00061
%RSD	24.308	3.3630	3.3630	13.231	586.87	258.16	171.26	125.06	119.93	98.975	.25004	71.321
#1	-.00335	.01367	.02924	-.00145	.00005	-.00050	.00017	-.00311	.03605	-.00053	.00281	-.00128
#2	-.00237	.01433	.03067	-.00120	-.00003	.00171	-.00002	-.00019	.00296	-.00009	.00280	-.00042
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit												
Low Limit												

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**3444.1**	**54459.**	**5916.6**
Stddev	.2	58.	33.6
%RSD	.00494	.10618	.56850
#1	3444.2	54418.	5940.4
#2	3444.0	54500.	5892.8

Sample Name: CCVL1397430 Acquired: 5/3/2012 14:06:35 Type: QC
Method: 6500_025(v2) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01050**	**.10053**	**.01064**	**.09354**	**.01026**	**.00094**	**.10699**	**.18546**	**.00513**	**.00998**	**.01012**	**.01518**	**.09975**
Stddev	.00059	.00224	.00109	.00008	.00033	.00009	.00255	.00113	.00007	.00011	.00005	.00010	.00220
%RSD	5.5941	2.2245	10.289	.08536	3.2195	9.1652	2.3812	.61159	1.3286	1.0866	.44668	.67633	2.2029
#1	.01009	.10211	.00986	.09349	.01002	.00088	.10879	.18466	.00518	.01006	.01015	.01525	.09819
#2	.01092	.09894	.01141	.09360	.01049	.00100	.10519	.18626	.00509	.00991	.01009	.01510	.10130
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**3.0279**	**.01173**	**.20051**	**.01051**	**.01994**	**.95700**	**.04020**	**2.6889**	**.00914**	**.01978**	**.00884**	**.01072**	**.48416**
Stddev	.0449	.00146	.00115	.00000	.00028	.01493	.00045	.0197	.00018	.00422	.00071	.00020	.00307
%RSD	1.4812	12.422	.57340	.04743	1.4033	1.5599	1.1260	.73254	2.0215	21.318	8.0914	1.8824	.63317
#1	2.9962	.01070	.20132	.01052	.01975	.94644	.04052	2.7028	.00927	.02277	.00934	.01058	.48199
#2	3.0596	.01276	.19970	.01051	.02014	.96755	.03988	2.6750	.00901	.01680	.00833	.01086	.48633
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.0361**	**.09926**	**.00997**	**.01540**	**.00967**	**.01288**	F **.08151**	**.00959**	**.02239**	**.01408**
Stddev	.0066	.00098	.00000	.00058	.00009	.00253	.02614	.00019	.00001	.00066
%RSD	.63317	.98240	.02929	3.7435	.93582	19.637	32.066	1.9431	.06361	4.6972
#1	1.0315	.09995	.00997	.01499	.00961	.01467	.09999	.00946	.02240	.01454
#2	1.0407	.09857	.00997	.01580	.00973	.01109	.06303	.00972	.02238	.01361
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
Value							.06000			
Range							30.000%			

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**3432.8**	**54532.**	**5930.0**
Stddev	12.3	15.	71.4
%RSD	.35789	.02756	1.2042
#1	3424.1	54522.	5980.5
#2	3441.5	54543.	5879.5

Sample Name: 280-28292-a-32-a@10 Acquired: 5/3/2012 14:08:58 Type: Unk
Method: 6500_025(v2) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 117631 200.7

Elem	Ag3280	Al1670	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288
Line	328.068 {103}	167.079 {502}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00015**	**2.4099**	W **2.5707**	**.01148**	**.04647**	**.00089**	**.00038**	**-.00088**	**42.375**	**1.1674**
Stddev	.00010	.0111	.0236	.00539	.00073	.00000	.00005	.00047	.352	.0009
%RSD	69.865	.46158	.91660	46.962	1.5651	.56242	14.008	53.654	.82956	.07332
#1	.00022	2.4021	2.5540	.01529	.04698	.00088	.00034	-.00055	42.127	1.1668
#2	.00007	2.4178	2.5873	.00767	.04596	.00089	.00042	-.00122	42.624	1.1680
Check ?	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit			500.00							
Low Limit			3.2000							

Elem	Co2286	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183
Line	228.616 {447}	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01307**	**.00054**	**.04896**	**.62293**	**9.3776**	**.03673**	**9.3633**	**1.4832**	**-.00033**	**220.05**
Stddev	.00005	.00003	.00029	.00106	.1051	.00187	.0311	.0027	.00040	1.54
%RSD	.41613	5.6130	.59202	.16939	1.1204	5.0824	.33248	.18172	122.96	.70027
#1	.01304	.00052	.04876	.62218	9.3033	.03805	9.3413	1.4813	-.00004	218.96
#2	.01311	.00056	.04917	.62368	9.4519	.03541	9.3853	1.4852	-.00061	221.14
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077
Line	231.604 {446}	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01645**	**.05207**	**.00254**	**143.10**	**-.00012**	**.00102**	**3.0963**	**6.6260**	**.00037**	**.42193**
Stddev	.00026	.00179	.00202	.17	.00033	.00138	.0409	.0875	.00027	.00322
%RSD	1.5758	3.4439	79.474	.11911	290.00	135.25	1.3211	1.3211	73.296	.76414
#1	.01663	.05334	.00398	142.98	-.00035	.00004	3.0673	6.5641	.00056	.41965
#2	.01626	.05081	.00111	143.22	.00012	.00200	3.1252	6.6879	.00018	.42421
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	283.730 {119}	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00103**	**.00026**	**.10273**	**-.00918**	**.00011**	**8.8652**	**.00079**
Stddev	.00138	.00002	.00179	.02751	.00072	.0072	.00028
%RSD	134.62	7.0052	1.7472	299.81	685.35	.08061	35.761
#1	-.00200	.00027	.10400	.01028	.00061	8.8601	.00059
#2	-.00005	.00024	.10146	-.02863	-.00040	8.8702	.00099
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**3278.3**	**51644.**	**5946.2**
Stddev	3.2	99.	28.8
%RSD	.09871	.19188	.48492
#1	3280.6	51574.	5966.6
#2	3276.0	51714.	5925.9

Sample Name: 280-28292-a-35-a@10 Acquired: 5/3/2012 14:11:18 Type: Unk
Method: 6500_025(v2) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 117631 200.7

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00051**	W **3.1115**	**-.00362**	**.03478**	**.00152**	**.00061**	**-.00140**	**41.371**	**1.3133**	**.01359**
Stddev	.00035	.1484	.00100	.00076	.00007	.00004	.00316	2.179	.0049	.00016
%RSD	68.993	4.7698	27.642	2.1971	4.7337	7.3292	225.98	5.2660	.36958	1.1835
#1	.00026	3.2164	-.00291	.03423	.00158	.00064	.00084	42.912	1.3099	.01370
#2	.00076	3.0065	-.00433	.03532	.00147	.00057	-.00363	39.831	1.3167	.01347
Check ?	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit		500.00								
Low Limit		3.2000								

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00070**	**.08421**	**.83066**	**8.2199**	**.03196**	**11.051**	**1.4949**	**-.00011**	**196.39**	**.01954**
Stddev	.00011	.00060	.04502	.3942	.00092	.015	.0002	.00005	9.84	.00002
%RSD	15.714	.71616	5.4201	4.7954	2.8692	.13599	.01275	49.446	5.0083	.11621
#1	.00062	.08378	.86250	8.4986	.03261	11.062	1.4948	-.00015	203.35	.01953
#2	.00077	.08464	.79883	7.9412	.03132	11.041	1.4950	-.00007	189.44	.01956
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.05485**	**.00040**	**143.18**	**-.00029**	**-.00235**	**2.2784**	**4.8758**	**-.00017**	**.32011**	**-.00061**
Stddev	.00055	.00006	.50	.00036	.00433	.1506	.3223	.00053	.01629	.00012
%RSD	.99578	15.815	.34578	122.19	183.82	6.6111	6.6111	302.90	5.0897	20.496
#1	.05524	.00045	142.83	-.00055	.00071	2.3849	5.1038	-.00054	.33163	-.00052
#2	.05446	.00036	143.53	-.00004	-.00541	2.1719	4.6479	.00020	.30859	-.00070
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00000**	**.01114**	**-.01727**	**.00010**	**9.8340**	**.00023**
Stddev	.0004	.00113	.00614	.00008	.0594	.00207
%RSD	18357.	10.155	35.577	83.625	.60416	893.69
#1	-.00028	.01194	-.02161	.00004	9.8760	-.00123
#2	.00027	.01034	-.01292	.00016	9.7920	.00169
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**3275.4**	**51063.**	**5791.3**
Stddev	2.5	169.	229.9
%RSD	.07582	.33085	3.9703
#1	3277.2	50943.	5628.7
#2	3273.7	51182.	5953.9

Sample Name: 280-28292-a-36-a@10 Acquired: 5/3/2012 14:13:38 Type: Unk
Method: 6500_025(v2) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 117631 200.7

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00042**	**.42413**	**-.00588**	**.02526**	**.00081**	**.00027**	**-.00263**	**32.893**	**.32677**	**.03478**
Stddev	.00019	.00094	.00019	.00032	.00030	.00006	.00090	.036	.00077	.00046
%RSD	46.288	.22220	3.3029	1.2533	37.513	22.715	34.096	.10952	.23611	1.3100
#1	.00028	.42346	-.00575	.02549	.00060	.00032	-.00200	32.918	.32622	.03446
#2	.00056	.42480	-.00602	.02504	.00103	.00023	-.00327	32.867	.32731	.03511
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00033**	**.00699**	**1.5965**	**1.2567**	**.01212**	**10.537**	**3.2159**	**-.00043**	**108.51**	**.01970**
Stddev	.00029	.00047	.0034	.1001	.00249	.011	.0079	.00011	.38	.00016
%RSD	87.003	6.7438	.20964	7.9626	20.541	.10629	.24533	25.038	.35128	.81460
#1	.00013	.00666	1.5941	1.3275	.01036	10.545	3.2215	-.00035	108.78	.01981
#2	.00053	.00732	1.5989	1.1860	.01388	10.529	3.2104	-.00050	108.24	.01959
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.03990**	**-.00047**	**94.982**	**.00083**	**-.00050**	**.99782**	**2.1353**	**-.00097**	**.26398**	**-.00058**
Stddev	.00180	.00025	.158	.00136	.00033	.02019	.0432	.00110	.00024	.00117
%RSD	4.5072	52.828	.16663	162.77	65.721	2.0232	2.0232	113.91	.09262	204.04
#1	.04117	-.00030	94.870	-.00013	-.00027	1.0121	2.1659	-.00174	.26381	-.00141
#2	.03863	-.00065	95.094	.00179	-.00073	.98355	2.1048	-.00019	.26416	.00025
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00029**	**.00932**	**-.01203**	**.00053**	**7.6088**	**.00108**
Stddev	.00014	.00242	.00317	.00042	.0132	.00107
%RSD	48.914	25.944	26.320	78.810	.17398	99.145
#1	.00039	.00761	-.01427	.00023	7.6181	.00032
#2	.00019	.01103	-.00979	.00082	7.5994	.00183
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**3251.9**	**50938.**	**5794.5**
Stddev	2.7	4.	18.8
%RSD	.08184	.00791	.32525
#1	3250.0	50941.	5781.1
#2	3253.8	50935.	5807.8

Sample Name: 280-28292-a-39-a@10 Acquired: 5/3/2012 14:15:58 Type: Unk
Method: 6500_025(v2) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 117631 200.7

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00073**	**.49795**	**.02331**	**.02673**	**.00193**	**.00013**	**-.00183**	**42.262**	**.54646**	**.03875**
Stddev	.00024	.00064	.00416	.00045	.00001	.00004	.00092	.194	.00028	.00011
%RSD	32.679	.12872	17.839	1.6806	.40031	34.396	50.625	.45950	.05181	.27770
#1	.00090	.49750	.02037	.02642	.00194	.00010	-.00248	42.124	.54666	.03882
#2	.00056	.49840	.02625	.02705	.00193	.00016	-.00117	42.399	.54626	.03867
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00019**	**.00958**	**3.1373**	**3.7645**	**.01689**	**17.068**	**3.9337**	**-.00044**	**108.67**	**.01861**
Stddev	.00020	.00003	.0044	.0384	.00121	.072	.0174	.00001	.14	.00024
%RSD	109.80	.30460	.14071	1.0197	7.1885	.41898	.44321	2.5760	.12541	1.2888
#1	.00033	.00960	3.1404	3.7374	.01603	17.119	3.9460	-.00044	108.77	.01844
#2	.00004	.00956	3.1341	3.7916	.01775	17.018	3.9214	-.00043	108.58	.01878
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.06150**	**.00045**	**116.50**	**-.00035**	**-.00410**	**3.5989**	**7.7016**	**-.00002**	**.03769**	**-.00083**
Stddev	.00307	.00077	.05	.00016	.00227	.0268	.0574	.00020	.00005	.00199
%RSD	4.9843	170.04	.04447	44.416	55.495	.74575	.74575	1139.9	.13096	239.73
#1	.06366	-.00009	116.47	-.00046	-.00249	3.6179	7.7422	-.00016	.03765	.00058
#2	.05933	.00099	116.54	-.00024	-.00571	3.5799	7.6610	.00012	.03772	-.00224
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00514**	**.04537**	**-.03389**	**.00000**	**8.9208**	**-.00053**
Stddev	.00001	.00062	.02976	.00040	.0541	.00122
%RSD	.09857	1.3696	87.816	372700.	.60602	232.34
#1	.00515	.04581	-.05493	-.00028	8.9591	.00034
#2	.00514	.04494	-.01284	.00028	8.8826	-.00139
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**3235.3**	**50562.**	**5711.4**
Stddev	6.4	185.	.4
%RSD	.19727	.36590	.00627
#1	3239.8	50431.	5711.7
#2	3230.8	50693.	5711.2

Sample Name: 280-28292-a-40-a@10 Acquired: 5/3/2012 14:18:18 Type: Unk
Method: 6500_025(v2) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 117631 200.7

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00031**	**1.3116**	**.02745**	**.03063**	**.00125**	**.00070**	**-.00161**	**39.335**	**.19062**	**.03858**
Stddev	.00001	.0077	.00291	.00053	.00013	.00003	.00126	.211	.00063	.00009
%RSD	4.1074	.58503	10.586	1.7201	10.073	3.7243	78.273	.53721	.32940	.23632
#1	.00032	1.3061	.02539	.03100	.00134	.00072	-.00251	39.186	.19018	.03851
#2	.00030	1.3170	.02950	.03026	.00116	.00068	-.00072	39.484	.19107	.03864
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00022**	**.00880**	**3.6801**	**.94294**	**.02016**	**9.1206**	**3.0804**	**-.00033**	**74.073**	**.03644**
Stddev	.00021	.00036	.0183	.01426	.00109	.0472	.0107	.00025	.291	.00010
%RSD	95.122	4.1005	.49727	1.5119	5.3879	.51762	.34633	75.658	.39272	.28535
#1	.00007	.00905	3.6671	.93286	.02093	9.1540	3.0879	-.00016	73.867	.03637
#2	.00037	.00854	3.6930	.95302	.01939	9.0872	3.0728	-.00051	74.278	.03652
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.02496**	**.00065**	**76.826**	**.00067**	**-.00443**	**3.0345**	**6.4938**	**.00125**	**.18879**	**-.00065**
Stddev	.00120	.00159	.082	.00282	.00385	.0199	.0425	.00007	.00041	.00116
%RSD	4.8049	243.51	.10708	418.47	86.940	.65431	.65431	5.3266	.21495	179.52
#1	.02412	-.00047	76.884	-.00132	-.00715	3.0204	6.4637	.00130	.18850	.00017
#2	.02581	.00177	76.768	.00267	-.00171	3.0485	6.5238	.00120	.18908	-.00146
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00013**	**.01186**	**-.02986**	**.00051**	**8.2219**	**.00100**
Stddev	.00040	.00099	.00238	.00033	.0399	.00011
%RSD	299.03	8.3562	7.9678	64.131	.48529	11.212
#1	-.00042	.01256	-.03154	.00028	8.2501	.00108
#2	.00015	.01116	-.02817	.00074	8.1937	.00092
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**3302.0**	**51984.**	**5824.9**
Stddev	1.1	61.	.8
%RSD	.03478	.11734	.01418
#1	3302.8	51940.	5824.3
#2	3301.2	52027.	5825.5

Sample Name: 280-28292-a-42-a@10 Acquired: 5/3/2012 14:20:37 Type: Unk
Method: 6500_025(v2) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 117631 200.7

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00023**	**.39412**	**-.00143**	**.03406**	**.00170**	**.00009**	**-.00138**	**45.944**	**.92604**	**.00717**
Stddev	.00016	.00067	.00045	.00046	.00002	.00006	.00005	.185	.00041	.00019
%RSD	68.389	.16988	31.177	1.3558	.92994	65.225	3.8961	.40178	.04388	2.5841
#1	.00034	.39365	-.00111	.03373	.00172	.00013	-.00142	46.074	.92633	.00730
#2	.00012	.39459	-.00174	.03439	.00169	.00005	-.00134	45.813	.92576	.00704
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00002**	**.01178**	**.65259**	**5.2824**	**.01392**	**12.426**	**1.6043**	**-.00033**	**213.17**	**.01460**
Stddev	.00000	.00004	.00258	.0226	.00009	.022	.0014	.00002	.39	.00007
%RSD	10.641	.31389	.39507	.42708	.67602	.17522	.08681	5.4436	.18103	.45679
#1	-.00002	.01180	.65442	5.2983	.01385	12.411	1.6034	-.00034	213.45	.01455
#2	-.00002	.01175	.65077	5.2664	.01399	12.441	1.6053	-.00031	212.90	.01465
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.06302**	**.00005**	**135.98**	**-.00214**	**.00103**	**1.0772**	**2.3053**	**.00022**	**.37957**	**-.00121**
Stddev	.00232	.00063	.07	.00046	.00481	.0113	.0243	.00103	.00091	.00145
%RSD	3.6742	1209.8	.05239	21.483	466.99	1.0527	1.0527	474.18	.23865	120.15
#1	.06465	-.00040	136.04	-.00182	-.00237	1.0853	2.3225	-.00051	.38021	-.00224
#2	.06138	.00050	135.93	-.00247	.00443	1.0692	2.2882	.00095	.37893	-.00018
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00031**	**-.00011**	**-.00339**	**-.00036**	**9.8907**	**.00112**
Stddev	.00003	.00221	.00563	.00031	.0043	.00246
%RSD	11.088	1988.7	166.01	87.759	.04371	220.76
#1	.00028	.00145	.00059	-.00058	9.8938	.00286
#2	.00033	-.00167	-.00737	-.00014	9.8877	-.00063
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**3233.9**	**50534.**	**5831.5**
Stddev	.1	13.	33.3
%RSD	.00222	.02516	.57114
#1	3233.9	50525.	5807.9
#2	3233.8	50543.	5855.0

Sample Name: CCVH-1390999 Acquired: 5/3/2012 14:22:57 Type: QC
Method: 6500_025(v2) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00068**	**47.747**	**-.00273**	**.00214**	**.00035**	**.00003**	**.98806**	**.00997**	**.00028**	**.00059**	**.00044**	**-.00379**
Stddev	.00004	.073	.00098	.00106	.00013	.00002	.00535	.00161	.00005	.00014	.00011	.00003
%RSD	5.4145	.15258	35.945	49.468	37.229	69.128	.54148	16.141	16.794	24.288	25.949	.82582
#1	-.00065	47.799	-.00342	.00139	.00044	.00002	.99185	.00884	.00032	.00069	.00052	-.00377
#2	-.00070	47.696	-.00203	.00289	.00026	.00005	.98428	.01111	.00025	.00049	.00036	-.00382
Check ?	None	Chk Pass	None	None	None	None	Chk Pass	None	None	None	None	None
Value												
Range												

Elem	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316	P_1782	Pb2203	S_1820	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**47.921**	**.02284**	**.00402**	**-.03518**	**.00021**	**-.00074**	**241.24**	**.00129**	**.00431**	**-.00234**	**4.8733**	**-.00071**
Stddev	.216	.00420	.00194	.00174	.00005	.00007	.90	.00010	.00500	.00016	.0204	.00208
%RSD	.45027	18.385	48.329	4.9480	25.250	9.6413	.37238	7.5406	115.98	6.9006	.41817	293.60
#1	48.073	.01987	.00265	-.03395	.00025	-.00069	241.88	.00122	.00078	-.00223	4.8589	.00076
#2	47.768	.02581	.00540	-.03641	.00017	-.00079	240.61	.00136	.00785	-.00246	4.8877	-.00218
Check ?	Chk Pass	None	None	None	None	None	Chk Pass	None	None	None	Chk Pass	None
Value												
Range												

Elem	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00015**	**.03949**	**.08451**	**.00076**	**.00036**	**5.0785**	**.00740**	**-.00304**	W **10.545**	**-.00361**	**.00299**	**-.04634**
Stddev	.00260	.00241	.00516	.00057	.00004	.0200	.00007	.00064	.045	.00011	.00042	.00240
%RSD	1791.4	6.1010	6.1010	75.222	10.851	.39476	.94676	21.178	.42413	2.9177	14.102	5.1744
#1	-.00169	.04120	.08816	.00036	.00039	5.0644	.00745	-.00349	10.513	-.00368	.00269	-.04464
#2	.00199	.03779	.08087	.00117	.00034	5.0927	.00735	-.00258	10.576	-.00353	.00329	-.04804
Check ?	None	None	None	None	None	Chk Pass	None	None	Chk Warn	None	None	None
Value									10.000			
Range									5.0000%			

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**3290.7**	**51370.**	**5895.3**
Stddev	9.0	7.	17.6
%RSD	.27238	.01413	.29848
#1	3297.0	51375.	5882.8
#2	3284.3	51365.	5907.7

Sample Name: CCV-1390955 Acquired: 5/3/2012 14:25:17 Type: QC
Method: 6500_025(v2) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.50769**	**.48450**	**.98191**	**.47734**	**.48607**	**.46078**	**-.00079**	**4.5727**	**.48986**	**.49344**	**.49713**	**.52432**	**2.4492**
Stddev	.00179	.00172	.00261	.00070	.00078	.00042	.00213	.0034	.00155	.00089	.00106	.00082	.0053
%RSD	.35329	.35540	.26609	.14733	.16132	.09204	270.36	.07503	.31627	.18044	.21256	.15641	.21613
#1	.50642	.48572	.98376	.47784	.48551	.46108	-.00230	4.5703	.48877	.49281	.49638	.52374	2.4530
#2	.50896	.48329	.98007	.47685	.48662	.46048	.00072	4.5751	.49096	.49407	.49787	.52490	2.4455
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**48.368**	**.94330**	**19.691**	**.51174**	**.49781**	**4.6074**	**.48994**	**.93648**	**1.0065**	**.02103**	**.95960**	**.98654**	**4.5887**
Stddev	.035	.00015	.196	.00385	.00033	.0145	.00000	.00364	.0003	.00029	.00174	.00352	.0538
%RSD	.07319	.01555	.99642	.75292	.06678	.31545	.00099	.38856	.02748	1.3706	.18081	.35679	1.1730
#1	48.343	.94340	19.552	.50901	.49805	4.6177	.48994	.93391	1.0067	.02083	.95838	.98903	4.5507
#2	48.393	.94319	19.830	.51446	.49758	4.5971	.48993	.93905	1.0063	.02124	.96083	.98405	4.6268
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**9.8199**	**.98688**	**.48400**	**.00047**	**.49064**	**1.0006**	**-.00024**	**.49714**	**.48080**	**.49251**
Stddev	.1152	.00268	.00007	.00051	.00364	.0058	.03209	.00455	.00639	.00144
%RSD	1.1730	.27188	.01517	108.66	.74131	.57682	13462.	.91448	1.3294	.29221
#1	9.7385	.98498	.48405	.00083	.48807	.99651	-.02293	.49392	.47628	.49149
#2	9.9014	.98877	.48394	.00011	.49321	1.0047	.02245	.50035	.48532	.49353
Check ?	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value										
Range										

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**3385.7**	**53056.**	**6006.9**
Stddev	.7	545.	30.2
%RSD	.01979	1.0274	.50262
#1	3386.2	53441.	6028.2
#2	3385.3	52670.	5985.5

Sample Name: CCB Acquired: 5/3/2012 14:27:30 Type: QC
Method: 6500_025(v2) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00074**	**-.00045**	**-.00209**	**-.00036**	**.00014**	**.00002**	**.00172**	**-.00171**	**-.00004**	**.00006**	**.00013**	**-.00041**
Stddev	.00033	.00004	.00240	.00012	.00013	.00000	.00078	.00348	.00004	.00009	.00001	.00014
%RSD	44.531	9.8714	115.00	32.444	94.141	8.5379	45.193	203.82	102.30	149.88	11.221	33.114
#1	.00097	-.00049	-.00379	-.00044	.00023	.00002	.00227	-.00417	-.00001	.00012	.00012	-.00031
#2	.00050	-.00042	-.00039	-.00028	.00005	.00002	.00117	.00075	-.00006	.00000	.00014	-.00051
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit												
Low Limit												

Elem	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00276**	**-.01381**	W **.00303**	**-.00046**	**-.00001**	**.00081**	**-.00596**	**-.00001**	**-.00035**	**-.00093**	**.01749**	**.00092**
Stddev	.00098	.03403	.00098	.00222	.00001	.00009	.00575	.00027	.00181	.00073	.00176	.00276
%RSD	35.416	246.43	32.418	485.80	107.84	11.331	96.494	1837.4	517.47	78.308	10.085	298.65
#1	.00345	.01025	.00372	-.00203	.00000	.00074	-.00189	-.00021	.00093	-.00145	.01873	-.00103
#2	.00207	-.03787	.00233	.00111	-.00002	.00087	-.01003	.00018	-.00163	-.00042	.01624	.00288
Check ?	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit			.00261									
Low Limit			-.00261									

Elem	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00067**	**.02204**	**.04717**	**-.00095**	**-.00002**	**-.00006**	**.00009**	**-.00159**	**.00818**	**-.00033**	**.00261**	**-.00002**
Stddev	.00264	.01072	.02293	.00036	.00000	.00021	.00013	.00206	.00628	.00009	.00048	.00014
%RSD	395.52	48.619	48.619	37.684	3.2400	361.03	141.35	129.79	76.790	28.554	18.260	602.52
#1	.00120	.01446	.03095	-.00070	-.00002	.00009	.00019	-.00304	.00374	-.00026	.00295	-.00012
#2	-.00254	.02962	.06339	-.00120	-.00002	-.00021	.00000	-.00013	.01262	-.00040	.00228	.00007
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit												
Low Limit												

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**3463.5**	**54020.**	**5966.6**
Stddev	5.9	226.	65.5
%RSD	.17090	.41885	1.0971
#1	3467.7	54180.	6012.9
#2	3459.3	53860.	5920.4

Sample Name: CCVL1397430 Acquired: 5/3/2012 14:29:55 Type: QC
Method: 6500_025(v2) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01054**	**.10218**	F **.00991**	**.09336**	**.01010**	**.00091**	**.10352**	**.18757**	**.00507**	**.01019**	**.01003**	**.01567**	**.10171**
Stddev	.00020	.00017	.00278	.00089	.00006	.00000	.00037	.00309	.00008	.00014	.00008	.00006	.00015
%RSD	1.9014	.16760	28.041	.95165	.54491	.30676	.35830	1.6462	1.6103	1.3274	.84575	.38416	.15161
#1	.01068	.10205	.01188	.09399	.01006	.00091	.10378	.18539	.00513	.01009	.01009	.01562	.10182
#2	.01040	.10230	.00795	.09274	.01014	.00091	.10325	.18975	.00501	.01028	.00997	.01571	.10160
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value			.01500										
Range			-30.000%										

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**3.0136**	**.01216**	**.20190**	**.01070**	**.01995**	**.94842**	**.04028**	**2.6870**	**.00881**	**.01993**	**.00767**	**.01220**	**.47687**
Stddev	.0372	.00147	.00020	.00008	.00014	.00874	.00037	.0144	.00064	.00306	.00100	.00425	.01042
%RSD	1.2349	12.082	.09764	.76134	.68135	.92152	.90964	.53712	7.3012	15.345	13.043	34.806	2.1857
#1	2.9873	.01112	.20204	.01064	.02004	.94224	.04054	2.6973	.00927	.01777	.00838	.01520	.46950
#2	3.0399	.01320	.20176	.01076	.01985	.95460	.04002	2.6768	.00836	.02209	.00697	.00920	.48424
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.0205**	**.10174**	**.00997**	**.01608**	**.00981**	**.01445**	**.06604**	**.00947**	**.02307**	**.01409**
Stddev	.0223	.00046	.00008	.00080	.00008	.00070	.00553	.00016	.00040	.00020
%RSD	2.1857	.45613	.76014	4.9978	.85418	4.8603	8.3723	1.6734	1.7147	1.3923
#1	1.0047	.10141	.00992	.01664	.00975	.01495	.06995	.00958	.02335	.01395
#2	1.0363	.10207	.01003	.01551	.00987	.01395	.06213	.00936	.02280	.01422
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value										
Range										

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**3425.9**	**54070.**	**5953.4**
Stddev	10.0	655.	66.0
%RSD	.29093	1.2116	1.1081
#1	3418.8	54533.	6000.1
#2	3432.9	53607.	5906.8

Sample Name: 280-28292-a-18-a Acquired: 5/3/2012 14:32:16 Type: Unk
Method: 6500_025(v2) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 117630 200.7

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00058**	**.00162**	**-.00277**	**.00044**	**.00061**	**.00007**	**-.00054**	**.10517**	**.00625**	**.00005**
Stddev	.00064	.00014	.00061	.00017	.00014	.00000	.00012	.00158	.00011	.00005
%RSD	109.83	8.9207	21.865	38.080	23.784	4.0369	22.743	1.5022	1.7764	83.259
#1	.00103	.00172	-.00320	.00032	.00071	.00007	-.00063	.10629	.00633	.00009
#2	.00013	.00152	-.00235	.00056	.00051	.00007	-.00046	.10405	.00617	.00002
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00015**	**.00035**	**.00575**	**.03741**	**.00240**	**.00593**	**.00099**	**-.00006**	**.03388**	**.00016**
Stddev	.00012	.00016	.00082	.03399	.00066	.00062	.00001	.00035	.00222	.00003
%RSD	80.663	46.306	14.245	90.865	27.689	10.498	.67548	601.51	6.5420	17.142
#1	.00006	.00024	.00633	.01337	.00193	.00637	.00100	.00019	.03232	.00014
#2	.00023	.00047	.00517	.06144	.00287	.00549	.00099	-.00031	.03545	.00018
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00458**	**.00116**	**.04349**	**-.00022**	**-.00339**	**.01355**	**.02900**	**-.00178**	**.00027**	**.00056**
Stddev	.00108	.00089	.00430	.00047	.00260	.01216	.02602	.00002	.00006	.00019
%RSD	23.658	76.614	9.8847	211.24	76.840	89.710	89.710	1.0428	21.822	32.843
#1	.00382	.00179	.04045	.00011	-.00523	.02215	.04740	-.00180	.00022	.00043
#2	.00535	.00053	.04653	-.00056	-.00155	.00496	.01060	-.00177	.00031	.00069
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00074**	**-.00301**	**-.00033**	**-.00030**	**.01088**	**.00170**
Stddev	.00010	.00067	.01959	.00008	.00035	.00059
%RSD	13.809	22.412	5958.7	26.188	3.2374	34.679
#1	.00066	-.00253	.01353	-.00025	.01063	.00212
#2	.00081	-.00349	-.01418	-.00036	.01113	.00128
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**3453.5**	**54420.**	**5937.4**
Stddev	7.8	205.	68.9
%RSD	.22669	.37613	1.1610
#1	3448.0	54276.	5888.7
#2	3459.1	54565.	5986.2

Sample Name: 280-28292-a-1-a@50 Acquired: 5/3/2012 14:34:41 Type: Unk
Method: 6500_025(v2) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 117630 200.7

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00108**	**.73213**	**-.00464**	**.01054**	**.00048**	**.00051**	**-.00280**	**8.1020**	W **2.1275**	**.01322**
Stddev	.00009	.00050	.00035	.00038	.00024	.00001	.00030	.0230	.0034	.00003
%RSD	8.3099	.06793	7.5961	3.6067	48.813	1.6702	10.794	.28430	.15990	.25959
#1	.00101	.73178	-.00489	.01027	.00032	.00051	-.00259	8.0857	2.1300	.01320
#2	.00114	.73248	-.00439	.01081	.00065	.00052	-.00301	8.1183	2.1251	.01324
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass
High Limit									2.0000	
Low Limit									-.00500	

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00036**	**.01034**	**6.9251**	**.09777**	**.03531**	**2.5336**	**1.4411**	**-.00010**	**20.426**	**.03748**
Stddev	.00012	.00041	.0267	.01736	.00015	.0011	.0016	.00024	.159	.00028
%RSD	33.143	3.9322	.38525	17.753	.42292	.04501	.11231	231.22	.77779	.74731
#1	-.00027	.01063	6.9062	.11004	.03541	2.5344	1.4423	-.00027	20.314	.03768
#2	-.00044	.01006	6.9440	.08550	.03520	2.5328	1.4400	.00006	20.538	.03728
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.02223**	**.00062**	**64.273**	**-.00020**	**.00109**	**.49156**	**1.0519**	**.00048**	**.06320**	**-.00012**
Stddev	.00165	.00073	.096	.00265	.00141	.00559	.0120	.00109	.00040	.00112
%RSD	7.4295	117.86	.14959	1352.3	129.92	1.1369	1.1369	226.42	.64012	913.82
#1	.02106	.00010	64.341	.00168	.00009	.49551	1.0604	.00125	.06291	-.00091
#2	.02340	.00114	64.205	-.00207	.00209	.48761	1.0435	-.00029	.06349	.00067
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00025**	**-.00209**	**-.01656**	**-.00018**	F **81.886**	**.00024**
Stddev	.00001	.00001	.02168	.00002	.320	.00052
%RSD	4.8550	.36518	130.89	10.931	.39087	216.31
#1	-.00026	-.00209	-.00123	-.00020	82.113	.00061
#2	-.00024	-.00210	-.03189	-.00017	81.660	-.00013
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass
High Limit					50.000	
Low Limit					-.02000	

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**3432.0**	**53076.**	**5965.9**
Stddev	15.7	47.	4.6
%RSD	.45664	.08901	.07788
#1	3420.9	53042.	5962.6
#2	3443.1	53109.	5969.1

Sample Name: SD 28292-a-1-a@250 Acquired: 5/3/2012 14:36:59 Type: Unk
Method: 6500_025(v2) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 117630 200.7

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00046**	**.15045**	**-.00305**	**.00228**	**.00016**	**.00012**	**-.00139**	**1.6389**	**.42740**	**.00253**
Stddev	.00001	.00063	.00253	.00025	.00002	.00000	.00370	.0182	.00083	.00003
%RSD	1.9652	.42028	82.835	10.790	13.342	.33182	265.75	1.1129	.19518	1.1744
#1	.00046	.15001	-.00484	.00211	.00018	.00012	-.00401	1.6260	.42681	.00255
#2	.00047	.15090	-.00127	.00245	.00015	.00012	.00123	1.6518	.42799	.00251
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00002**	**.00143**	**1.3830**	**.05566**	**.00914**	**.51337**	**.28655**	**-.00024**	**3.7333**	**.00744**
Stddev	.00000	.00035	.0026	.02449	.00061	.00252	.00017	.00015	.0409	.00019
%RSD	21.076	24.074	.18741	43.996	6.6936	.49083	.05828	61.168	1.0946	2.4897
#1	-.00001	.00119	1.3849	.03835	.00957	.51159	.28643	-.00014	3.7044	.00757
#2	-.00002	.00168	1.3812	.07298	.00871	.51516	.28667	-.00034	3.7622	.00731
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00712**	**-.00049**	**12.775**	**-.00107**	W **-.00540**	**.10649**	**.22788**	**-.00021**	**.01272**	**.00053**
Stddev	.00093	.00089	.019	.00049	.00254	.02167	.04638	.00213	.00001	.00049
%RSD	13.025	181.92	.15230	45.648	46.978	20.351	20.351	1013.9	.04957	92.786
#1	.00647	.00014	12.789	-.00142	-.00719	.09116	.19509	.00129	.01271	.00087
#2	.00778	-.00112	12.761	-.00073	-.00360	.12181	.26067	-.00171	.01272	.00018
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					5.0000					
Low Limit					-.00500					

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00005**	**-.00258**	**-.01089**	**-.00059**	W **18.601**	**-.00004**
Stddev	.00009	.00082	.02387	.00003	.021	.00001
%RSD	196.25	31.680	219.22	5.5806	.11095	26.407
#1	.00002	-.00316	-.02777	-.00056	18.587	-.00004
#2	-.00011	-.00200	.00599	-.00061	18.616	-.00003
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass
High Limit					10.000	
Low Limit					-.00500	

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**3451.4**	**53906.**	**5945.4**
Stddev	15.6	4.	19.0
%RSD	.45163	.00674	.31915
#1	3462.4	53903.	5958.8
#2	3440.4	53908.	5932.0

Sample Name: 28292-a-1-b ms@50 Acquired: 5/3/2012 14:39:19 Type: Unk
Method: 6500_025(v2) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 117630 200.7

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00197**	**.77770**	**.01576**	**.02940**	**.04035**	**.00161**	**.04053**	**9.2078**	W **2.1621**	**.02370**
Stddev	.00023	.00445	.00190	.00016	.00012	.00003	.00104	.0479	.0040	.00010
%RSD	11.508	.57158	12.089	.55743	.29971	1.9101	2.5632	.51992	.18582	.40789
#1	.00181	.77456	.01710	.02952	.04027	.00159	.04127	9.1739	2.1592	.02363
#2	.00213	.78085	.01441	.02929	.04044	.00164	.03980	9.2416	2.1649	.02377
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass
High Limit									2.0000	
Low Limit									-.00500	

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00394**	**.01524**	**7.0313**	**1.0778**	**.05800**	**3.5340**	**1.4497**	**.01963**	**22.106**	**.04775**
Stddev	.00000	.00052	.0239	.0383	.00104	.0110	.0041	.00004	.053	.00035
%RSD	.10012	3.4065	.33983	3.5573	1.7866	.31240	.28388	.22524	.23835	.72696
#1	.00394	.01487	7.0144	1.1049	.05873	3.5262	1.4468	.01960	22.068	.04799
#2	.00395	.01561	7.0482	1.0507	.05726	3.5418	1.4526	.01967	22.143	.04750
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.21460**	**.00997**	**65.212**	**.00951**	**.04131**	**.69417**	**1.4855**	**.03949**	**.08425**	**.01943**
Stddev	.00415	.00001	.120	.00108	.00275	.00681	.0146	.00041	.00027	.00023
%RSD	1.9357	.13599	.18331	11.351	6.6612	.98128	.98128	1.0442	.31610	1.1985
#1	.21754	.00998	65.127	.01028	.04326	.68935	1.4752	.03920	.08406	.01960
#2	.21166	.00996	65.296	.00875	.03937	.69899	1.4958	.03978	.08443	.01927
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.02005**	**.03964**	**.04637**	**.00968**	F **81.496**	**.01020**
Stddev	.00021	.00223	.00395	.00037	.062	.00020
%RSD	1.0689	5.6364	8.5195	3.7740	.07635	2.0019
#1	.02020	.03806	.04358	.00993	81.540	.01006
#2	.01989	.04122	.04916	.00942	81.452	.01035
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass
High Limit					50.000	
Low Limit					-.02000	

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**3425.4**	**53479.**	**5906.0**
Stddev	1.9	21.	22.9
%RSD	.05680	.03840	.38744
#1	3424.1	53494.	5922.2
#2	3426.8	53465.	5889.9

Sample Name: 28292-a-1-c msd@50 Acquired: 5/3/2012 14:41:38 Type: Unk
Method: 6500_025(v2) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 117630 200.7

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00166**	**.78740**	**.01795**	**.03087**	**.04089**	**.00153**	**.03979**	**9.2957**	W **2.1979**	**.02391**
Stddev	.00005	.00247	.00051	.00097	.00001	.00008	.00210	.0220	.0039	.00012
%RSD	2.7675	.31333	2.8283	3.1287	.02975	5.2445	5.2870	.23651	.17735	.50582
#1	.00163	.78915	.01759	.03156	.04088	.00147	.03830	9.2802	2.2007	.02383
#2	.00169	.78566	.01831	.03019	.04090	.00159	.04128	9.3113	2.1951	.02400
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass
High Limit									2.0000	
Low Limit									-.00500	

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00382**	**.01550**	**7.0761**	**1.0825**	**.05855**	**3.5687**	**1.4639**	**.01965**	**22.331**	**.04850**
Stddev	.00001	.00050	.0009	.0502	.00203	.0090	.0018	.00031	.273	.00011
%RSD	.38660	3.2418	.01324	4.6384	3.4637	.25308	.12345	1.6016	1.2211	.22756
#1	.00383	.01585	7.0768	1.1180	.05998	3.5751	1.4626	.01987	22.523	.04842
#2	.00381	.01514	7.0755	1.0470	.05712	3.5623	1.4651	.01943	22.138	.04858
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.21728**	**.01121**	**66.169**	**.00896**	**.03655**	**.73051**	**1.5633**	**.04128**	**.08491**	**.01976**
Stddev	.00141	.00046	.203	.00200	.00155	.01395	.0299	.00020	.00011	.00139
%RSD	.64696	4.1261	.30693	22.316	4.2406	1.9096	1.9096	.48709	.12966	7.0089
#1	.21827	.01088	66.313	.01037	.03546	.74038	1.5844	.04143	.08484	.02074
#2	.21628	.01153	66.025	.00754	.03765	.72065	1.5422	.04114	.08499	.01878
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.02022**	**.04211**	**.02865**	**.01008**	F **81.824**	**.01003**
Stddev	.00011	.00103	.00672	.00025	.514	.00192
%RSD	.53951	2.4528	23.454	2.4652	.62836	19.097
#1	.02030	.04284	.02390	.00990	82.187	.00868
#2	.02015	.04138	.03340	.01025	81.460	.01138
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass
High Limit					50.000	
Low Limit					-.02000	

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**3416.3**	**53551.**	**6014.6**
Stddev	5.1	161.	4.4
%RSD	.14895	.29973	.07248
#1	3412.7	53664.	6017.7
#2	3419.9	53437.	6011.5

Sample Name: 280-28292-a-3-a@10 Acquired: 5/3/2012 14:43:57 Type: Unk
Method: 6500_025(v2) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 117630 200.7

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00126**	**.47604**	**-.00583**	**.04144**	**.00147**	**.00059**	**-.00290**	**44.673**	**.51100**	**.04869**
Stddev	.00026	.00242	.00101	.00001	.00002	.00006	.00034	.313	.00002	.00015
%RSD	20.465	.50885	17.340	.02806	1.4219	9.5894	11.589	.70016	.00315	.30752
#1	.00107	.47775	-.00511	.04143	.00146	.00055	-.00267	44.451	.51101	.04858
#2	.00144	.47433	-.00654	.04145	.00148	.00063	-.00314	44.894	.51099	.04879
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00019**	**.01084**	**3.8664**	**.37657**	**.01632**	**30.612**	**4.4343**	**-.00051**	**131.11**	**.03514**
Stddev	.00000	.00019	.0199	.03716	.00068	.049	.0028	.00031	.38	.00030
%RSD	1.7974	1.7231	.51386	9.8673	4.1745	.16045	.06234	61.780	.28981	.85977
#1	.00019	.01071	3.8523	.35029	.01584	30.578	4.4363	-.00073	130.84	.03536
#2	.00019	.01097	3.8804	.40284	.01680	30.647	4.4323	-.00028	131.38	.03493
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.04061**	**.00147**	**126.71**	**.00033**	**-.00442**	**.89776**	**1.9212**	**.00181**	**.30512**	**-.00051**
Stddev	.00047	.00075	.03	.00030	.00182	.00487	.0104	.00081	.00157	.00134
%RSD	1.1477	50.906	.02559	91.368	41.045	.54219	.54219	44.674	.51354	262.82
#1	.04094	.00094	126.73	.00012	-.00314	.90120	1.9286	.00124	.30401	.00044
#2	.04028	.00200	126.69	.00054	-.00571	.89432	1.9138	.00238	.30623	-.00145
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00006**	**-.00060**	**-.01277**	**.00023**	W **10.825**	**.00000**
Stddev	.00009	.00047	.01843	.00009	.006	.00110
%RSD	154.80	78.440	144.33	40.307	.05276	32634.
#1	.00012	-.00093	-.02580	.00029	10.821	-.00077
#2	-.00001	-.00027	.00026	.00016	10.829	.00078
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass
High Limit					10.000	
Low Limit					-.00500	

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**3292.2**	**51463.**	**5922.7**
Stddev	5.9	32.	77.0
%RSD	.17781	.06196	1.2994
#1	3288.1	51485.	5977.1
#2	3296.3	51440.	5868.3

Sample Name: 280-28292-a-5-a@10 Acquired: 5/3/2012 14:46:21 Type: Unk
Method: 6500_025(v2) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 117630 200.7

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00095**	**.70862**	**-.00492**	**.04394**	**.00102**	**.00064**	**-.00156**	**43.342**	**.44628**	**.06063**
Stddev	.00028	.00010	.00127	.00063	.00017	.00004	.00218	.057	.00059	.00009
%RSD	29.780	.01352	25.911	1.4271	16.300	5.7246	139.35	.13117	.13227	.14530
#1	.00075	.70869	-.00402	.04349	.00091	.00067	-.00311	43.382	.44670	.06057
#2	.00115	.70855	-.00582	.04438	.00114	.00062	-.00002	43.302	.44586	.06069
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00003**	**.00211**	**1.2827**	**.45939**	**.02703**	**25.902**	**4.4607**	**-.00027**	**118.84**	**.04151**
Stddev	.00003	.00000	.0060	.02973	.00087	.067	.0199	.00032	.12	.00014
%RSD	100.94	.07536	.47187	6.4722	3.2204	.25694	.44500	118.92	.10467	.33285
#1	.00001	.00211	1.2784	.43836	.02642	25.949	4.4467	-.00004	118.93	.04142
#2	.00006	.00211	1.2870	.48041	.02765	25.855	4.4748	-.00049	118.75	.04161
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.03117**	**.00067**	**119.40**	**-.00025**	**.00295**	**1.3381**	**2.8636**	**-.00011**	**.27923**	**-.00157**
Stddev	.00222	.00298	.21	.00108	.00139	.0020	.0043	.00011	.00012	.00005
%RSD	7.1373	446.73	.17930	440.99	47.169	.15186	.15186	95.101	.04178	3.0180
#1	.02959	-.00144	119.55	-.00101	.00393	1.3367	2.8605	-.00004	.27915	-.00154
#2	.03274	.00277	119.24	.00052	.00197	1.3395	2.8666	-.00019	.27932	-.00161
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00006**	**-.00151**	**-.02073**	**.00016**	W **10.388**	**.00099**
Stddev	.00016	.00165	.01242	.00041	.012	.00032
%RSD	254.03	109.48	59.895	250.59	.11698	32.021
#1	-.00005	-.00268	-.02951	-.00013	10.379	.00121
#2	.00018	-.00034	-.01195	.00045	10.396	.00077
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass
High Limit					10.000	
Low Limit					-.00500	

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**3335.9**	**52408.**	**5923.7**
Stddev	9.6	11.	17.0
%RSD	.28782	.02022	.28641
#1	3342.7	52400.	5935.7
#2	3329.1	52415.	5911.7

Sample Name: 280-28292-a-10-a@10 Acquired: 5/3/2012 14:48:46 Type: Unk
Method: 6500_025(v2) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 117630 200.7

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00028**	**10.039**	**.00070**	**.03449**	**.00183**	**.00211**	**-.00134**	**39.186**	**.00131**	**.02384**
Stddev	.00029	.034	.00046	.00016	.00005	.00005	.00372	.272	.00008	.00029
%RSD	105.69	.34094	66.045	.46258	2.8431	2.2058	276.75	.69369	5.8143	1.2317
#1	.00049	10.063	.00037	.03461	.00187	.00214	-.00397	39.378	.00137	.02405
#2	.00007	10.015	.00102	.03438	.00179	.00207	.00128	38.993	.00126	.02363
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00070**	**.00020**	**16.723**	**2.5438**	**.04916**	**9.4912**	**1.6445**	**-.00059**	**412.76**	**.03636**
Stddev	.00007	.00054	.081	.0023	.00023	.0297	.0040	.00006	4.00	.00025
%RSD	10.125	276.08	.48486	.08898	.47338	.31302	.24436	10.394	.96898	.69023
#1	.00075	-.00019	16.781	2.5422	.04900	9.4702	1.6416	-.00064	415.59	.03653
#2	.00065	.00058	16.666	2.5454	.04933	9.5122	1.6473	-.00055	409.93	.03618
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.33625**	**.00072**	F **266.65**	**-.00089**	**.00147**	**2.2647**	**4.8464**	**-.00020**	**.49445**	**-.00145**
Stddev	.00030	.00113	1.02	.00231	.00198	.0391	.0836	.00062	.00384	.00269
%RSD	.08874	156.29	.38323	258.47	135.07	1.7252	1.7252	307.00	.77619	185.82
#1	.33646	.00152	267.37	.00074	.00287	2.2923	4.9056	-.00064	.49717	-.00335
#2	.33604	-.00008	265.92	-.00253	.00007	2.2371	4.7873	.00024	.49174	.00045
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit			200.00							
Low Limit			-.20000							

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00011**	**.00035**	**-.01272**	**.00145**	W **14.166**	**.00071**
Stddev	.00005	.00114	.01552	.00016	.060	.00230
%RSD	44.819	322.95	122.08	10.742	.42467	322.42
#1	-.00014	.00115	-.02369	.00156	14.124	-.00091
#2	-.00007	-.00045	-.00174	.00134	14.209	.00234
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass
High Limit					10.000	
Low Limit					-.00500	

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**3296.9**	**51017.**	**6015.3**
Stddev	8.5	55.	42.6
%RSD	.25860	.10742	.70862
#1	3290.9	50979.	5985.2
#2	3303.0	51056.	6045.5

Sample Name: 280-28292-a-12-a@10 Acquired: 5/3/2012 14:51:11 Type: Unk
Method: 6500_025(v2) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 117630 200.7

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00228**	**.23388**	**-.00555**	**.02813**	**.00186**	**.00023**	**-.00130**	**44.161**	**.95498**	**.25967**
Stddev	.00035	.00048	.00519	.00004	.00015	.00004	.00364	.356	.00053	.00055
%RSD	15.309	.20503	93.516	.15028	7.8750	17.304	279.81	.80639	.05505	.21256
#1	.00253	.23422	-.00922	.02810	.00196	.00026	.00127	43.909	.95461	.26006
#2	.00204	.23354	-.00188	.02816	.00176	.00020	-.00387	44.413	.95535	.25928
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00007**	**-.00015**	**.03677**	**.60526**	**.12182**	**49.673**	F **21.660**	**-.00094**	**165.15**	**.20608**
Stddev	.00010	.00017	.00310	.03411	.00285	.049	.077	.00048	.77	.00054
%RSD	156.30	118.09	8.4376	5.6358	2.3408	.09766	.35535	51.621	.46617	.26099
#1	-.00014	-.00027	.03896	.58114	.11980	49.707	21.606	-.00060	164.61	.20646
#2	.00001	-.00002	.03458	.62938	.12384	49.639	21.714	-.00128	165.70	.20570
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit							20.000			
Low Limit							-.02000			

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.14124**	**.00285**	**179.52**	**.00224**	**.00371**	**1.6256**	**3.4789**	**.00003**	**.38108**	**-.00041**
Stddev	.00081	.00206	.14	.00231	.00526	.0091	.0195	.00010	.00212	.00068
%RSD	.57422	72.331	.07718	103.32	141.87	.55931	.55931	374.68	.55676	167.05
#1	.14181	.00139	179.62	.00060	.00743	1.6192	3.4651	-.00004	.37958	-.00089
#2	.14067	.00431	179.43	.00387	-.00001	1.6321	3.4926	.00010	.38258	.00007
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00016**	**-.00072**	F **-.14968**	**-.00568**	W **17.239**	**-.00044**
Stddev	.00010	.00013	.00036	.00046	.034	.00055
%RSD	61.863	17.774	.23925	8.1702	.19475	125.63
#1	.00009	-.00063	-.14994	-.00601	17.263	-.00005
#2	.00024	-.00081	-.14943	-.00536	17.215	-.00082
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Warn	Chk Pass
High Limit			50.000		10.000	
Low Limit			-.10000		-.00500	

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**3201.1**	**50369.**	**5772.0**
Stddev	.5	75.	2.8
%RSD	.01640	.14841	.04808
#1	3201.5	50422.	5774.0
#2	3200.7	50316.	5770.0

Sample Name: 280-28292-a-15-a@10 Acquired: 5/3/2012 14:53:34 Type: Unk
Method: 6500_025(v2) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 117630 200.7

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00084**	**.00027**	**-.00346**	**.12033**	**.00115**	**.00001**	**-.00157**	**40.516**	**1.4612**	**.00018**
Stddev	.00012	.00002	.00237	.00023	.00007	.00001	.00161	.266	.0017	.00024
%RSD	14.482	6.2001	68.448	.19127	5.7703	108.23	102.79	.65561	.11804	129.17
#1	.00093	.00028	-.00513	.12017	.00110	.00000	-.00271	40.328	1.4599	.00002
#2	.00075	.00026	-.00178	.12049	.00119	.00002	-.00043	40.704	1.4624	.00035
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00037**	**-.00021**	**.01108**	**.23016**	**.04774**	**32.063**	**.46190**	**-.00016**	**89.084**	**.02278**
Stddev	.00014	.00010	.00112	.00604	.00260	.206	.00298	.00046	.431	.00004
%RSD	37.614	46.321	10.115	2.6227	5.4432	.64292	.64429	283.35	.48434	.18143
#1	.00027	-.00014	.01029	.22589	.04958	31.917	.45979	.00016	88.779	.02275
#2	.00046	-.00027	.01188	.23442	.04591	32.208	.46400	-.00049	89.389	.02280
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01411**	**.00016**	**130.02**	**-.00028**	**.01157**	**1.6456**	**3.5217**	**.00005**	**.49151**	**-.00155**
Stddev	.00379	.00048	.11	.00074	.00339	.0075	.0161	.00016	.00161	.00148
%RSD	26.846	311.32	.08136	261.08	29.255	.45615	.45615	331.51	.32766	95.445
#1	.01679	.00050	130.09	-.00081	.01397	1.6403	3.5103	.00016	.49037	-.00050
#2	.01143	-.00019	129.94	.00024	.00918	1.6510	3.5330	-.00006	.49265	-.00259
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00024**	**-.00198**	**-.02248**	**.00012**	**6.4225**	**.00086**
Stddev	.00014	.00073	.00494	.00040	.0547	.00076
%RSD	59.169	36.713	21.998	344.31	.85183	88.290
#1	.00034	-.00146	-.02597	.00040	6.3838	.00032
#2	.00014	-.00249	-.01898	-.00017	6.4612	.00140
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**3243.0**	**50899.**	**5794.9**
Stddev	4.4	377.	38.7
%RSD	.13641	.74070	.66844
#1	3246.1	51165.	5822.3
#2	3239.9	50632.	5767.5

Sample Name: CCVH-1390999 Acquired: 5/3/2012 14:55:55 Type: QC
Method: 6500_025(v2) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2714
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00122**	**47.867**	**.00041**	**.00215**	**.00046**	**.00008**	**.96866**	**.00761**	**.00010**	**.00044**	**.00031**	**-.00409**	**48.017**
Stddev	.00010	.250	.00217	.00040	.00011	.00003	.00172	.00143	.00007	.00013	.00000	.00022	.258
%RSD	8.5715	.52209	531.03	18.363	23.410	36.151	.17754	18.714	70.340	29.436	.99117	5.4538	.53700
#1	-.00115	47.690	.00194	.00243	.00053	.00006	.96745	.00661	.00015	.00053	.00031	-.00393	47.835
#2	-.00129	48.043	-.00112	.00187	.00038	.00010	.96988	.00862	.00005	.00035	.00031	-.00424	48.200
Check ?	None	Chk Pass	None	None	None	None	Chk Pass	None	None	None	None	None	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.05617**	**.00393**	**-.03400**	**.00024**	**-.00068**	**239.28**	**.00184**	**.00402**	**.00058**	**4.7958**	**-.00159**	**.00226**	**.01059**
Stddev	.00957	.00080	.00044	.00007	.00006	.78	.00047	.00113	.00049	.0239	.00195	.00126	.00663
%RSD	17.030	20.283	1.2965	30.747	9.2389	.32671	25.316	28.116	84.023	.49774	122.17	55.474	62.680
#1	.06294	.00336	-.03369	.00019	-.00063	238.73	.00151	.00482	.00024	4.7789	-.00297	.00138	.01528
#2	.04941	.00449	-.03432	.00030	-.00072	239.83	.00218	.00322	.00093	4.8127	-.00022	.00315	.00589
Check ?	None	None	None	None	None	Chk Pass	None	None	None	Chk Pass	None	None	None
Value													
Range													

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.02265**	**.00047**	**.00033**	**5.0279**	**.00770**	**-.00048**	**10.325**	**-.00436**	**.00307**	**-.04818**
Stddev	.01420	.00007	.00008	.0109	.00026	.00069	.008	.00006	.00001	.00021
%RSD	62.680	14.336	23.847	.21628	3.3518	143.86	.07969	1.2760	.27003	.43478
#1	.03269	.00052	.00027	5.0202	.00752	-.00097	10.319	-.00440	.00306	-.04804
#2	.01261	.00043	.00038	5.0356	.00788	.00001	10.331	-.00432	.00307	-.04833
Check ?	None	None	None	Chk Pass	None	None	Chk Pass	None	None	None
Value										
Range										

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**3226.7**	**50767.**	**5698.1**
Stddev	8.4	123.	26.0
%RSD	.26030	.24141	.45682
#1	3232.7	50681.	5716.5
#2	3220.8	50854.	5679.7

Sample Name: CCV-1390955 Acquired: 5/3/2012 14:58:15 Type: QC
Method: 6500_025(v2) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.50395**	**.48716**	**.98415**	**.47519**	**.48958**	**.46668**	**-.00111**	**4.6980**	**.49102**	**.49416**	**.49780**	**.51485**	**2.4698**
Stddev	.00250	.00265	.00172	.00252	.00290	.00307	.00147	.0402	.00279	.00177	.00234	.00169	.0118
%RSD	.49535	.54391	.17460	.52963	.59138	.65832	132.58	.85527	.56810	.35795	.46934	.32806	.47962
#1	.50571	.48903	.98536	.47697	.49163	.46886	-.00007	4.7264	.49299	.49541	.49945	.51604	2.4782
#2	.50218	.48529	.98293	.47341	.48754	.46451	-.00215	4.6696	.48904	.49291	.49615	.51366	2.4614
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**48.738**	**.96098**	**19.546**	**.50735**	**.49799**	**4.6982**	**.49253**	**.92867**	**1.0088**	**.02385**	**.94992**	**.96955**	**4.6743**
Stddev	.358	.00604	.051	.00294	.00266	.0331	.00293	.00498	.0051	.00032	.00362	.00867	.0228
%RSD	.73511	.62839	.25978	.57916	.53383	.70467	.59440	.53573	.50237	1.3400	.38063	.89407	.48795
#1	48.991	.96525	19.582	.50942	.49987	4.7216	.49460	.93218	1.0124	.02362	.95248	.97568	4.6905
#2	48.484	.95671	19.510	.50527	.49611	4.6747	.49046	.92515	1.0052	.02407	.94736	.96342	4.6582
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**10.003**	**.99257**	**.48399**	**-.00012**	**.49281**	**1.0003**	**.01286**	**.49886**	**.47938**	**.49233**
Stddev	.049	.00583	.00220	.00094	.00227	.0020	.00125	.00305	.00335	.00050
%RSD	.48795	.58717	.45454	787.63	.45985	.19788	9.6942	.61191	.69796	.10073
#1	10.038	.99669	.48554	-.00078	.49441	1.0017	.01374	.50102	.48175	.49198
#2	9.9686	.98845	.48243	.00054	.49121	.99886	.01198	.49671	.47702	.49268
Check ?	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value										
Range										

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**3306.6**	**51984.**	**5658.5**
Stddev	12.0	128.	148.6
%RSD	.36349	.24671	2.6267
#1	3298.1	51893.	5553.4
#2	3315.1	52075.	5763.6

Sample Name: CCB Acquired: 5/3/2012 15:00:29 Type: QC
Method: 6500_025(v2) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00060**	**-.00003**	W **-.00575**	**.00064**	**-.00006**	**.00003**	**.00105**	**-.00226**	**.00007**	**-.00002**	**.00005**
Stddev	.00001	.00026	.00128	.00046	.00007	.00004	.00148	.00030	.00008	.00009	.00009
%RSD	1.9257	995.78	22.315	71.416	127.31	110.65	141.10	13.111	121.23	532.87	181.29
#1	.00059	-.00021	-.00666	.00032	-.00011	.00001	.00000	-.00247	.00012	.00005	-.00001
#2	.00061	.00015	-.00484	.00097	-.00001	.00006	.00209	-.00205	.00001	-.00008	.00011
Check ?	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit			.00441								
Low Limit			-.00441								

Elem	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00089**	**.00139**	**.03073**	W **.00300**	**.00022**	**.00003**	**.00070**	**.01937**	**.00004**	**.00186**	**-.00108**
Stddev	.00002	.00077	.00192	.00249	.00139	.00001	.00042	.00232	.00018	.00010	.00140
%RSD	2.7312	54.939	6.2620	83.058	625.37	48.057	59.533	11.982	507.10	5.5896	129.98
#1	-.00087	.00194	.03209	.00476	.00121	.00004	.00041	.01773	-.00009	.00178	-.00207
#2	-.00091	.00085	.02937	.00124	-.00076	.00002	.00100	.02101	.00016	.00193	-.00009
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				.00261							
Low Limit				-.00261							

Elem	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01398**	**.00220**	**.00069**	**.02689**	**.05754**	**-.00049**	**-.00002**	**.00009**	**-.00008**	**.00014**	**.00656**
Stddev	.00160	.00182	.00161	.01379	.02950	.00070	.00002	.00139	.00001	.00108	.00905
%RSD	11.447	83.072	232.67	51.276	51.276	143.32	78.631	1538.0	10.943	796.85	138.05
#1	.01511	.00091	-.00045	.03664	.07840	.00001	-.00001	-.00089	-.00008	.00090	.00016
#2	.01285	.00349	.00183	.01714	.03668	-.00099	-.00004	.00107	-.00007	-.00063	.01296
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit											
Low Limit											

Elem	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm
Avg	**-.00061**	**.00265**	**.00038**
Stddev	.00025	.00037	.00002
%RSD	40.502	14.086	6.2562
#1	-.00044	.00239	.00037
#2	-.00079	.00292	.00040
Check ?	Chk Pass	Chk Pass	Chk Pass
High Limit			
Low Limit			

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**3361.3**	**53006.**	**5671.6**
Stddev	9.2	59.	23.9
%RSD	.27300	.11114	.42109
#1	3367.8	53048.	5654.7
#2	3354.8	52964.	5688.5

Sample Name: CCVL1397430 Acquired: 5/3/2012 15:02:53 Type: QC
Method: 6500_025(v2) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01086**	**.09986**	**.01214**	**.09277**	**.00998**	**.00099**	**.10130**	**.19296**	**.00503**	**.01034**	**.01033**	**.01510**	**.10140**
Stddev	.00024	.00008	.00066	.00102	.00015	.00001	.00016	.00161	.00005	.00011	.00011	.00019	.00310
%RSD	2.1645	.08368	5.4330	1.1000	1.5508	1.3287	.15786	.83584	1.0158	1.0955	1.0989	1.2630	3.0581
#1	.01069	.09980	.01167	.09205	.00987	.00098	.10119	.19410	.00507	.01042	.01041	.01497	.09921
#2	.01102	.09992	.01261	.09349	.01009	.00100	.10141	.19182	.00500	.01026	.01025	.01523	.10360
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**2.9641**	F **.01309**	**.20330**	**.01062**	**.02023**	**.96456**	**.04070**	**2.6580**	**.00883**	**.02324**	**.00751**	**.01257**	**.49190**
Stddev	.0012	.00199	.00071	.00017	.00011	.00117	.00015	.0079	.00119	.00087	.00189	.00010	.02485
%RSD	.04089	15.166	.34709	1.5808	.53534	.12177	.37894	.29835	13.420	3.7376	25.164	.76144	5.0518
#1	2.9650	.01450	.20280	.01074	.02030	.96539	.04059	2.6636	.00967	.02262	.00884	.01264	.47432
#2	2.9632	.01169	.20380	.01050	.02015	.96373	.04081	2.6524	.00799	.02385	.00617	.01250	.50947
Check ?	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value		.01000											
Range		30.000%											

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.0527**	**.10137**	**.00992**	**.01541**	**.00986**	**.01494**	F **.08759**	**.00997**	**.02282**	**.01419**
Stddev	.0532	.00135	.00006	.00079	.00016	.00027	.01449	.00053	.00059	.00022
%RSD	5.0518	1.3295	.61499	5.1143	1.5935	1.8138	16.538	5.3501	2.5751	1.5538
#1	1.0151	.10232	.00988	.01485	.00997	.01513	.09783	.01035	.02324	.01435
#2	1.0903	.10041	.00996	.01597	.00975	.01475	.07735	.00959	.02240	.01403
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
Value							.06000			
Range							30.000%			

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**3346.6**	**52764.**	**5743.4**
Stddev	11.8	140.	24.3
%RSD	.35162	.26540	.42305
#1	3338.3	52665.	5760.6
#2	3354.9	52863.	5726.2

Sample Name: mb 280-117689/1-a Acquired: 5/3/2012 15:05:16 Type: Unk
Method: 6500_025(v2) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 117689 200.7

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00031**	**.00092**	**-.00035**	**-.00032**	**.00027**	**.00001**	**-.00106**	**.00553**	**.00012**	**.00008**
Stddev	.00045	.00009	.00002	.00009	.00007	.00001	.00066	.00204	.00010	.00030
%RSD	145.53	9.9707	5.2213	27.460	27.660	77.560	62.691	36.863	85.157	363.73
#1	.00062	.00098	-.00034	-.00026	.00032	.00002	-.00059	.00698	.00005	-.00013
#2	-.00001	.00085	-.00036	-.00038	.00021	.00001	-.00153	.00409	.00018	.00029
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00008**	**-.00030**	W **.09273**	**.02821**	**.00130**	**-.00245**	W **.00103**	**-.00014**	**-.00957**	**-.00003**
Stddev	.00006	.00013	.00446	.01021	.00168	.00267	.00001	.00032	.01368	.00032
%RSD	77.071	42.607	4.8095	36.185	128.84	108.98	1.0259	218.64	142.92	1198.3
#1	-.00012	-.00021	.08957	.03542	.00249	-.00056	.00104	.00008	-.01924	-.00025
#2	-.00003	-.00039	.09588	.02099	.00012	-.00434	.00102	-.00037	.00010	.00020
Check ?	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass
High Limit			.01710				.00023			
Low Limit			-.05000				-.00500			

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00507**	**-.00029**	F **.01627**	**.00012**	**-.00126**	F **.01122**	**.02402**	**-.00045**	**.00007**	W **.00110**
Stddev	.00146	.00062	.00222	.00170	.00236	.00765	.01636	.00020	.00004	.00065
%RSD	28.831	216.68	13.654	1411.6	186.73	68.118	68.118	45.781	55.350	58.894
#1	.00403	-.00072	.01470	-.00108	-.00293	.00582	.01245	-.00059	.00004	.00155
#2	.00610	.00015	.01784	.00132	.00040	.01663	.03559	-.00030	.00010	.00064
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Fail	None	Chk Pass	Chk Pass	Chk Warn
High Limit			.01000			.01000				.00000
Low Limit			-.01000			-.01000				-.00500

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00001**	**-.00087**	**-.00722**	**-.00022**	**.00267**	**.00049**
Stddev	.00031	.00020	.01369	.00026	.00008	.00005
%RSD	4657.1	22.522	189.62	122.31	2.8613	11.150
#1	.00023	-.00101	-.01690	-.00040	.00261	.00045
#2	-.00021	-.00073	.00246	-.00003	.00272	.00052
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**3371.6**	**53641.**	**5760.8**
Stddev	12.5	113.	61.1
%RSD	.37216	.21059	1.0608
#1	3362.7	53721.	5804.0
#2	3380.5	53561.	5717.5

Sample Name: lcs 280-117689/2-a Acquired: 5/3/2012 15:07:41 Type: Unk
Method: 6500_025(v2) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 117689 200.7

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.05150**	**1.8349**	**.99360**	**.94490**	**1.9638**	**.04705**	**2.0363**	**46.171**	**.09841**	**.48724**
Stddev	.00026	.0062	.00669	.00349	.0098	.00007	.0024	.129	.00031	.00164
%RSD	.50145	.33752	.67323	.36943	.50072	.15098	.11573	.28012	.31689	.33668
#1	.05168	1.8393	.99833	.94737	1.9708	.04710	2.0379	46.263	.09863	.48840
#2	.05131	1.8305	.98887	.94243	1.9569	.04700	2.0346	46.080	.09819	.48608
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.20012**	**.26251**	**.98125**	**49.401**	**.96759**	**49.125**	**.51894**	**1.0080**	**50.337**	**.48424**
Stddev	.00067	.00084	.00724	.228	.00193	.012	.00115	.0033	.127	.00101
%RSD	.33373	.31854	.73748	.46061	.19948	.02524	.22228	.32509	.25223	.20855
#1	.20059	.26192	.98637	49.562	.96895	49.134	.51812	1.0103	50.427	.48496
#2	.19965	.26310	.97613	49.240	.96622	49.116	.51975	1.0057	50.247	.48353
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**9.4422**	**.49203**	**.01991**	**.46871**	**1.9810**	F **9.3385**	F **19.984**	**1.9824**	**.98534**	**1.0400**
Stddev	.0378	.00113	.00333	.00092	.0058	.0248	.053	.0127	.00535	.0011
%RSD	.40033	.22955	16.742	.19697	.29340	.26569	.26569	.63885	.54334	.10529
#1	9.4689	.49283	.01755	.46936	1.9851	9.3560	20.022	1.9913	.98912	1.0393
#2	9.4155	.49123	.02226	.46805	1.9769	9.3209	19.947	1.9734	.98155	1.0408
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Fail	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit						11.500	24.610			
Low Limit						9.4000	20.100			

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.99704**	**1.9788**	**2.2140**	**.51024**	**.47515**	**.48541**
Stddev	.00029	.0024	.0127	.00258	.00173	.00278
%RSD	.02913	.12037	.57607	.50632	.36316	.57351
#1	.99724	1.9805	2.2049	.50841	.47637	.48737
#2	.99683	1.9771	2.2230	.51206	.47393	.48344
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**3227.5**	**50643.**	**5720.7**
Stddev	13.2	60.	22.2
%RSD	.40807	.11804	.38875
#1	3218.2	50601.	5705.0
#2	3236.8	50685.	5736.4

Sample Name: 280-28209-e-1-a Acquired: 5/3/2012 15:09:51 Type: Unk
Method: 6500_025(v2) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 117689 200.7

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00035**	**13.841**	**.00632**	**.07244**	**.28238**	**.00056**	**-.00706**	**25.423**	**.00119**	**.00698**
Stddev	.00035	.076	.00163	.00009	.00107	.00008	.00067	.126	.00005	.00003
%RSD	100.36	.54670	25.781	.12953	.37961	14.062	9.5342	.49733	4.1636	.40713
#1	.00060	13.788	.00517	.07238	.28162	.00050	-.00754	25.334	.00122	.00700
#2	.00010	13.895	.00747	.07251	.28314	.00062	-.00659	25.513	.00115	.00696
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.03059**	**.10157**	**19.873**	**9.9150**	**.03252**	**7.3192**	**.35431**	**.00810**	**24.587**	**.02984**
Stddev	.00042	.00018	.062	.0402	.00035	.0222	.00010	.00030	.370	.00035
%RSD	1.3880	.17669	.31004	.40523	1.0753	.30357	.02688	3.7435	1.5054	1.1781
#1	.03029	.10145	19.830	9.8866	.03277	7.3349	.35437	.00788	24.325	.02959
#2	.03089	.10170	19.917	9.9434	.03227	7.3035	.35424	.00831	24.849	.03009
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.4091**	**.03396**	**6.9504**	**.00265**	**-.00291**	**27.307**	**58.437**	**.00331**	**.19206**	**.00200**
Stddev	.0077	.00014	.0106	.00052	.00016	.095	.204	.00076	.00027	.00077
%RSD	.54863	.40527	.15277	19.536	5.5232	.34872	.34872	22.817	.14317	38.307
#1	1.4036	.03406	6.9429	.00229	-.00303	27.239	58.292	.00278	.19187	.00254
#2	1.4146	.03386	6.9579	.00302	-.00280	27.374	58.581	.00385	.19226	.00146
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.95833**	**.00077**	**-.00136**	**.04842**	**.80014**	**.00073**
Stddev	.00295	.00185	.01524	.00047	.00055	.00054
%RSD	.30755	238.50	1118.4	.96325	.06828	72.878
#1	.96042	-.00053	.00941	.04809	.80053	.00036
#2	.95625	.00208	-.01214	.04875	.79976	.00111
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**3360.7**	**52492.**	**5957.0**
Stddev	1.3	84.	57.9
%RSD	.03758	.16016	.97124
#1	3359.8	52433.	5997.9
#2	3361.6	52552.	5916.1

Sample Name: SD 280-28209-e-1-a@5 Acquired: 5/3/2012 15:12:10 Type: Unk
Method: 6500_025(v2) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 117689 200.7

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00073**	W **2.7541**	**.00051**	**.01451**	**.05651**	**.00018**	**-.00427**	**5.1435**	**.00028**	**.00146**
Stddev	.00022	.0035	.00425	.00011	.00004	.00011	.00020	.0296	.00005	.00003
%RSD	29.690	.12847	831.48	.77583	.06878	63.172	4.5830	.57575	19.223	2.2511
#1	.00058	2.7516	.00352	.01443	.05648	.00026	-.00441	5.1225	.00031	.00149
#2	.00089	2.7566	-.00250	.01459	.05653	.00010	-.00413	5.1644	.00024	.00144
Check ?	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit		500.00								
Low Limit		3.2000								

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00638**	**.01923**	**4.0248**	**2.0113**	**.00629**	**1.4964**	**.07183**	**.00127**	**4.4744**	**.00579**
Stddev	.00003	.00023	.0218	.0199	.00227	.0003	.00030	.00018	.0085	.00010
%RSD	.50406	1.2114	.54205	.98889	36.070	.02085	.41507	14.315	.18925	1.7206
#1	.00636	.01939	4.0094	2.0253	.00789	1.4961	.07162	.00114	4.4684	.00572
#2	.00640	.01906	4.0403	1.9972	.00469	1.4966	.07204	.00140	4.4804	.00586
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.27748**	**.00646**	**1.3577**	**-.00080**	**-.00309**	**5.5272**	**11.828**	**.00071**	**.03863**	**.00030**
Stddev	.00414	.00042	.0076	.00115	.00145	.0110	.024	.00012	.00005	.00016
%RSD	1.4919	6.4437	.56152	143.71	46.812	.19956	.19956	17.076	.13644	53.931
#1	.28041	.00675	1.3631	.00001	-.00411	5.5194	11.812	.00080	.03860	.00041
#2	.27455	.00617	1.3523	-.00161	-.00207	5.5350	11.845	.00063	.03867	.00018
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.19099**	**-.00255**	**.00287**	**.00957**	**.16375**	**.00073**
Stddev	.00040	.00136	.01940	.00041	.00109	.00027
%RSD	.21099	53.495	675.95	4.2625	.66808	36.645
#1	.19070	-.00351	.01658	.00986	.16297	.00054
#2	.19127	-.00159	-.01085	.00928	.16452	.00092
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**3380.5**	**52952.**	**5823.8**
Stddev	16.2	23.	22.6
%RSD	.48016	.04250	.38837
#1	3369.0	52936.	5807.8
#2	3391.9	52968.	5839.8

Sample Name: 280-28209-e-1-b ms Acquired: 5/3/2012 15:14:31 Type: Unk
Method: 6500_025(v2) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 117689 200.7

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.05171**	**20.233**	**.99002**	**.99590**	**2.2290**	**.04693**	F **1.9794**	**71.496**	**.09720**	**.47655**
Stddev	.00023	.019	.00028	.00679	.0059	.00003	.0137	.393	.00023	.00251
%RSD	.43918	.09451	.02799	.68130	.26535	.06238	.69222	.54978	.23957	.52664
#1	.05155	20.247	.98982	1.0007	2.2332	.04691	1.9891	71.774	.09736	.47832
#2	.05187	20.220	.99021	.99110	2.2248	.04695	1.9698	71.218	.09703	.47477
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit							.10000			
Low Limit							-.10000			

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.22292**	**.36040**	**21.161**	**58.851**	**.97885**	**56.371**	**.88253**	**.97669**	**73.975**	**.49617**
Stddev	.00122	.00194	.056	.220	.00332	.222	.00361	.00511	.190	.00389
%RSD	.54503	.53799	.26606	.37374	.33880	.39338	.40854	.52279	.25627	.78441
#1	.22378	.35903	21.201	59.006	.98120	56.214	.87998	.98030	73.841	.49892
#2	.22206	.36177	21.121	58.695	.97651	56.528	.88508	.97308	74.109	.49341
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **10.539**	**.50295**	**7.0176**	**.46321**	**1.9609**	**44.059**	**94.285**	**1.9053**	**1.1741**	**.97265**
Stddev	.077	.00368	.0382	.00110	.0122	.194	.416	.0146	.0035	.00565
%RSD	.73537	.73085	.54361	.23713	.62204	.44100	.44100	.76690	.30093	.58123
#1	10.593	.50555	7.0445	.46398	1.9696	44.196	94.579	1.9157	1.1766	.96865
#2	10.484	.50035	6.9906	.46243	1.9523	43.921	93.991	1.8950	1.1716	.97664
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	2.0000									
Low Limit	-1.0000									

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**2.1066**	**1.8842**	**2.1695**	**.55036**	**1.2797**	**.43493**
Stddev	.0035	.0191	.0049	.00089	.0054	.00442
%RSD	.16737	1.0114	.22680	.16203	.42484	1.0157
#1	2.1041	1.8977	2.1729	.54973	1.2759	.43806
#2	2.1091	1.8708	2.1660	.55099	1.2836	.43181
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**3315.4**	**50861.**	**5903.2**
Stddev	12.4	159.	14.1
%RSD	.37478	.31339	.23923
#1	3306.6	50974.	5893.2
#2	3324.2	50748.	5913.2

Sample Name: 280-28209-e-1-c msd Acquired: 5/3/2012 15:16:39 Type: Unk
Method: 6500_025(v2) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 117689 200.7

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.05307**	**20.092**	**1.0218**	**1.0238**	**2.2276**	**.04656**	F **2.0351**	**71.097**	**.10008**	**.48969**
Stddev	.00031	.206	.0046	.0087	.0152	.00034	.0139	.511	.00127	.00419
%RSD	.59338	1.0254	.45525	.85126	.68342	.72441	.68424	.71838	1.2700	.85492
#1	.05330	19.946	1.0185	1.0177	2.2169	.04632	2.0253	70.735	.09918	.48673
#2	.05285	20.237	1.0251	1.0300	2.2384	.04680	2.0449	71.458	.10098	.49265
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit							.10000			
Low Limit							-.10000			

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.22902**	**.36831**	**21.120**	**59.029**	**.97276**	**57.333**	**.89873**	**1.0067**	**73.848**	**.51023**
Stddev	.00235	.00102	.201	.556	.00854	.150	.00207	.0092	.335	.00463
%RSD	1.0247	.27569	.95110	.94172	.87822	.26204	.23045	.91829	.45322	.90674
#1	.22736	.36902	20.978	58.635	.96672	57.439	.90019	1.0002	73.611	.50696
#2	.23068	.36759	21.262	59.422	.97880	57.226	.89726	1.0133	74.084	.51350
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **10.852**	**.51555**	**7.2028**	**.47680**	**2.0292**	**41.631**	**89.091**	**1.9578**	**1.1755**	**.99562**
Stddev	.067	.00754	.0544	.00486	.0243	.103	.220	.0215	.0093	.00484
%RSD	.61410	1.4631	.75543	1.0186	1.1952	.24683	.24683	1.0967	.79056	.48646
#1	10.804	.51022	7.1643	.47337	2.0120	41.559	88.936	1.9426	1.1689	.99904
#2	10.899	.52088	7.2413	.48024	2.0463	41.704	89.247	1.9730	1.1821	.99219
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	2.0000									
Low Limit	-1.0000									

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**2.1523**	**1.9276**	**2.2221**	**.55783**	**1.2762**	**.43710**
Stddev	.0045	.0175	.0313	.00235	.0070	.00832
%RSD	.21069	.90814	1.4098	.42090	.54796	1.9039
#1	2.1555	1.9152	2.2443	.55949	1.2812	.43121
#2	2.1491	1.9399	2.2000	.55617	1.2713	.44298
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**3309.1**	**51555.**	**6012.4**
Stddev	25.6	144.	37.0
%RSD	.77503	.27873	.61546
#1	3327.2	51453.	6038.6
#2	3291.0	51657.	5986.3

Sample Name: 280-28245-a-2-a Acquired: 5/3/2012 15:18:47 Type: Unk
Method: 6500_025(v2) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 117689 200.7

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00063**	**.21448**	**-.00162**	**.10569**	**.04675**	**.00004**	**-.00367**	**91.059**	**.00044**	**.00070**
Stddev	.00007	.00217	.00011	.00190	.00007	.00000	.00055	.320	.00012	.00000
%RSD	11.447	1.0129	6.9417	1.7986	.14054	5.5312	14.959	.35157	28.564	.47911
#1	.00058	.21602	-.00154	.10703	.04680	.00004	-.00406	90.833	.00035	.00069
#2	.00068	.21294	-.00170	.10434	.04670	.00004	-.00328	91.286	.00052	.00070
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00066**	**.00437**	**.35031**	**4.6488**	**.07302**	**30.601**	**.39051**	**.00376**	**160.12**	**.00135**
Stddev	.00018	.00042	.00353	.0155	.00035	.280	.00348	.00072	.25	.00002
%RSD	27.163	9.5775	1.0065	.33411	.48549	.91351	.89106	19.274	.15831	1.2156
#1	.00079	.00408	.34781	4.6378	.07277	30.404	.38805	.00324	159.94	.00136
#2	.00053	.00467	.35280	4.6598	.07327	30.799	.39297	.00427	160.30	.00134
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.10527**	**.00054**	**98.185**	**.00070**	**.00322**	**.76994**	**1.6477**	**-.00114**	**1.2913**	**.00157**
Stddev	.00193	.00094	.557	.00082	.00387	.00038	.0008	.00092	.0013	.00021
%RSD	1.8339	175.89	.56716	117.77	120.15	.04892	.04892	80.304	.09874	13.362
#1	.10663	-.00013	98.579	.00012	.00048	.76967	1.6471	-.00179	1.2904	.00142
#2	.10390	.00120	97.791	.00128	.00596	.77020	1.6482	-.00049	1.2922	.00172
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00802**	**-.00106**	**.00617**	**.00164**	**.01650**	**-.00003**
Stddev	.00018	.00022	.00856	.00004	.00105	.00034
%RSD	2.2777	21.187	138.67	2.6000	6.3859	1242.2
#1	.00789	-.00090	.01223	.00167	.01575	-.00027
#2	.00815	-.00122	.00012	.00161	.01724	.00021
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**3219.2**	**49622.**	**5806.4**
Stddev	17.2	348.	12.1
%RSD	.53455	.70183	.20901
#1	3207.1	49869.	5815.0
#2	3231.4	49376.	5797.8

Sample Name: 28285-11 Acquired: 5/3/2012 15:21:10 Type: Unk
Method: 6500_025(v2) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: DQR

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00027**	**-.00007**	**-.00162**	**.00494**	**.00042**	**.00000**	**.00015**	**3.5705**	**-.00001**	**.00022**
Stddev	.00056	.00015	.00091	.00090	.00004	.0000	.00033	.0008	.00004	.00012
%RSD	207.45	206.23	56.365	18.267	10.541	100.20	224.21	.02310	277.60	56.077
#1	-.00013	-.00018	-.00226	.00430	.00045	.00000	-.00009	3.5699	-.00004	.00013
#2	.00067	.00003	-.00097	.00558	.00039	-.00001	.00038	3.5711	.00001	.00030
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00047**	**-.00063**	**.00336**	**3.7838**	**.00074**	**1.7353**	**.00012**	**.00003**	**.05808**	**.00075**
Stddev	.00005	.00030	.00006	.0118	.00177	.0094	.00001	.00012	.01451	.00009
%RSD	9.9358	46.903	1.7034	.31314	237.88	.53997	10.619	353.89	24.977	11.393
#1	.00044	-.00084	.00332	3.7754	.00200	1.7419	.00013	.00012	.06834	.00081
#2	.00050	-.00042	.00340	3.7922	-.00051	1.7286	.00011	-.00005	.04783	.00069
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00215**	**.00018**	**.00283**	**-.00161**	W **-.00504**	**.03503**	**.07497**	**-.00146**	**.00199**	**.00012**
Stddev	.00074	.00011	.00033	.00242	.00062	.01294	.02770	.00088	.00011	.00031
%RSD	34.404	63.586	11.752	150.42	12.357	36.942	36.942	59.934	5.4075	245.47
#1	.00163	.00026	.00259	-.00332	-.00548	.02588	.05539	-.00208	.00191	-.00009
#2	.00268	.00010	.00306	.00010	-.00460	.04418	.09455	-.00084	.00207	.00034
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					5.0000					
Low Limit					-.00500					

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00001**	**-.00143**	**.00574**	**-.00011**	**.00415**	**-.00016**
Stddev	.00008	.00032	.01943	.00015	.00027	.00099
%RSD	1192.3	22.471	338.51	138.19	6.5270	627.81
#1	-.00005	-.00121	-.00800	.00000	.00396	-.00086
#2	.00006	-.00166	.01948	-.00022	.00434	.00054
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**3528.5**	**54975.**	**5969.7**
Stddev	28.4	386.	32.9
%RSD	.80425	.70185	.55028
#1	3548.6	55248.	5993.0
#2	3508.5	54703.	5946.5

Sample Name: CCVH-1390999 Acquired: 5/3/2012 15:23:33 Type: QC
Method: 6500_025(v2) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2714
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00110**	**46.814**	**-.00067**	**.00191**	**.00047**	**.00005**	**.96143**	**.00396**	**.00013**	**.00049**	**.00057**	**-.00431**	**47.270**
Stddev	.00051	.448	.00074	.00142	.00005	.00008	.00180	.00316	.00004	.00018	.00028	.00016	.535
%RSD	46.647	.95642	111.10	74.141	11.655	167.09	.18755	79.962	31.422	37.640	48.152	3.7391	1.1322
#1	-.00147	46.498	-.00119	.00091	.00043	-.00001	.96016	.00619	.00010	.00062	.00077	-.00420	46.892
#2	-.00074	47.131	-.00014	.00292	.00051	.00011	.96271	.00172	.00016	.00036	.00038	-.00443	47.649
Check ?	None	Chk Pass	None	None	None	None	Chk Pass	None	None	None	None	None	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00654**	**.00146**	**-.03380**	**.00010**	**-.00087**	**235.87**	**.00144**	**.00295**	**-.00085**	**4.8029**	**-.00132**	**.00724**	**.03674**
Stddev	.04959	.00117	.00009	.00002	.00007	2.40	.00029	.00295	.00150	.0015	.00102	.00409	.02526
%RSD	757.87	80.439	.25713	21.134	8.2793	1.0172	20.016	100.25	177.28	.03063	77.639	56.565	68.761
#1	.04161	.00229	-.03386	.00012	-.00092	234.18	.00165	.00086	-.00191	4.8019	-.00204	.01013	.01888
#2	-.02852	.00063	-.03374	.00009	-.00082	237.57	.00124	.00503	.00021	4.8039	-.00059	.00434	.05460
Check ?	None	None	None	None	None	Chk Pass	None	None	None	Chk Pass	None	None	None
Value													
Range													

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.07863**	**.00121**	**.00025**	**5.0754**	**.00812**	**-.00197**	**10.440**	**-.00428**	**.00197**	**-.05095**
Stddev	.05406	.00019	.00012	.0062	.00000	.00127	.026	.00007	.00021	.00096
%RSD	68.761	15.859	48.779	.12232	.05662	64.693	.24539	1.7027	10.708	1.8820
#1	.04040	.00108	.00016	5.0710	.00812	-.00107	10.421	-.00433	.00182	-.05163
#2	.11685	.00135	.00033	5.0798	.00811	-.00287	10.458	-.00423	.00212	-.05027
Check ?	None	None	None	Chk Pass	None	None	Chk Pass	None	None	None
Value										
Range										

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**3259.5**	**50340.**	**5800.5**
Stddev	.8	55.	28.8
%RSD	.02594	.10860	.49668
#1	3260.1	50379.	5820.8
#2	3258.9	50301.	5780.1

Sample Name: CCV-1390955 Acquired: 5/3/2012 15:25:52 Type: QC
Method: 6500_025(v2) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.50748**	**.48386**	**.98086**	**.46534**	**.48690**	**.45637**	**-.00163**	**4.5881**	**.48559**	**.49062**	**.49580**	**.52299**	**2.4754**
Stddev	.00015	.00123	.00213	.00041	.00267	.00082	.00257	.0067	.00029	.00048	.00161	.00066	.0100
%RSD	.02967	.25339	.21693	.08897	.54876	.18061	157.53	.14623	.05973	.09794	.32419	.12544	.40234
#1	.50737	.48473	.98237	.46563	.48879	.45695	.00019	4.5929	.48539	.49096	.49694	.52252	2.4825
#2	.50758	.48299	.97936	.46505	.48501	.45579	-.00344	4.5834	.48580	.49028	.49467	.52345	2.4684
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**48.614**	**.93264**	**19.800**	**.51623**	**.49478**	**4.5338**	**.48796**	**.91573**	**1.0142**	**.00752**	**.93668**	**.98005**	**4.6342**
Stddev	.247	.00541	.026	.00069	.00099	.0202	.00072	.00444	.0001	.00234	.00077	.00143	.0240
%RSD	.50734	.58055	.13166	.13449	.20022	.44595	.14662	.48509	.01187	31.113	.08187	.14615	.51807
#1	48.789	.93647	19.819	.51574	.49548	4.5481	.48846	.91887	1.0141	.00586	.93722	.98107	4.6172
#2	48.440	.92881	19.782	.51672	.49408	4.5195	.48745	.91259	1.0142	.00917	.93613	.97904	4.6512
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**9.9172**	**.98997**	**.48261**	**.00081**	**.48951**	**.99348**	**-.02050**	**.49755**	**.48142**	**.49355**
Stddev	.0514	.00082	.00326	.00164	.00039	.00028	.00429	.00073	.00145	.00039
%RSD	.51807	.08237	.67652	203.29	.07889	.02784	20.910	.14673	.30095	.07815
#1	9.8808	.99055	.48492	-.00035	.48978	.99367	-.02353	.49704	.48039	.49382
#2	9.9535	.98940	.48030	.00197	.48923	.99328	-.01747	.49807	.48244	.49328
Check ?	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value										
Range										

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**3367.9**	**52185.**	**5751.6**
Stddev	.4	38.	16.1
%RSD	.01315	.07258	.27954
#1	3368.2	52212.	5740.2
#2	3367.6	52158.	5762.9

Sample Name: CCB Acquired: 5/3/2012 15:28:05 Type: QC
Method: 6500_025(v2) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00076**	**-.00053**	**-.00127**	**.00055**	**.00034**	**.00009**	**.00022**	**-.00284**	**.00005**	**.00008**	**.00003**	**-.00064**	**.00424**
Stddev	.00009	.00017	.00245	.00007	.00010	.00004	.00208	.00151	.00003	.00009	.00014	.00039	.00157
%RSD	11.215	32.410	192.82	12.627	29.062	44.639	948.72	53.199	68.220	113.42	428.48	60.856	37.162
#1	.00070	-.00065	-.00301	.00050	.00041	.00011	-.00125	-.00391	.00007	.00014	-.00007	-.00037	.00312
#2	.00082	-.00041	.00046	.00060	.00027	.00006	.00169	-.00177	.00003	.00002	.00013	-.00092	.00535
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit													
Low Limit													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.05137**	**.00149**	**-.00006**	**.00003**	**.00099**	**-.01259**	**.00033**	**.00021**	**.00030**	**.00283**	**.00202**	**.00227**	**.02374**
Stddev	.03507	.00012	.00061	.00002	.00038	.00003	.00004	.00130	.00037	.00089	.00097	.00074	.01594
%RSD	68.274	8.0395	968.18	53.664	38.711	.25391	11.171	634.11	123.07	31.632	48.270	32.588	67.141
#1	.07616	.00157	.00037	.00002	.00072	-.01261	.00036	-.00071	.00004	.00346	.00270	.00175	.03501
#2	.02657	.00140	-.00049	.00004	.00127	-.01256	.00031	.00112	.00056	.00220	.00133	.00279	.01247
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit													
Low Limit													

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.05080**	**-.00013**	**.00003**	**.00077**	**-.00016**	**-.00075**	**-.01139**	**-.00053**	**.00323**	**-.00173**
Stddev	.03411	.00046	.00004	.00057	.00012	.00030	.01567	.00018	.00054	.00016
%RSD	67.141	345.49	128.66	74.209	76.604	39.503	137.56	34.378	16.599	9.0617
#1	.07492	.00019	.00006	.00037	-.00007	-.00096	-.00031	-.00040	.00285	-.00184
#2	.02668	-.00046	.00000	.00117	-.00024	-.00054	-.02247	-.00066	.00361	-.00162
Check ?	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**3401.1**	**53175.**	**5764.7**
Stddev	6.8	53.	.0
%RSD	.19859	.09978	.00077
#1	3405.9	53138.	5764.7
#2	3396.3	53213.	5764.8

Sample Name: CCVL1397430 Acquired: 5/3/2012 15:30:28 Type: QC
Method: 6500_025(v2) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01087**	**.10088**	F **.01033**	**.09127**	**.01018**	**.00098**	**.10244**	**.18329**	**.00488**	**.01030**	**.01022**	**.01539**	**.10361**
Stddev	.00013	.00163	.00002	.00111	.00015	.00008	.00068	.00223	.00002	.00002	.00012	.00027	.00181
%RSD	1.1947	1.6190	.21936	1.2180	1.5118	8.0356	.65934	1.2145	.34644	.21091	1.1718	1.7835	1.7436
#1	.01097	.10203	.01031	.09205	.01028	.00093	.10292	.18171	.00490	.01031	.01014	.01520	.10489
#2	.01078	.09972	.01035	.09048	.01007	.00104	.10197	.18486	.00487	.01028	.01031	.01559	.10233
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value			.01500										
Range			-30.000%										

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**3.0217**	**.01246**	**.20048**	**.01065**	**.01976**	**.90566**	**.04029**	**2.6314**	**.00822**	**.00727**	**.00802**	**.01214**	**.48855**
Stddev	.0091	.00276	.00568	.00000	.00043	.00868	.00035	.0210	.00143	.00094	.00137	.00439	.00592
%RSD	.30078	22.114	2.8348	.03426	2.1907	.95874	.86359	.79794	17.340	12.875	17.107	36.172	1.2120
#1	3.0281	.01051	.20450	.01064	.02007	.89952	.04054	2.6462	.00721	.00661	.00705	.01524	.48436
#2	3.0153	.01441	.19646	.01065	.01946	.91180	.04004	2.6165	.00923	.00793	.00899	.00903	.49273
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.0455**	**.10057**	**.00969**	**.01598**	**.00964**	**.01346**	F **.07853**	**.00936**	**.02232**	**.01399**
Stddev	.0127	.00274	.00002	.00076	.00016	.00018	.01251	.00003	.00064	.00039
%RSD	1.2120	2.7280	.17650	4.7648	1.6649	1.3053	15.927	.37047	2.8539	2.7837
#1	1.0365	.10251	.00970	.01652	.00976	.01359	.08737	.00934	.02187	.01371
#2	1.0545	.09863	.00968	.01544	.00953	.01334	.06968	.00938	.02278	.01427
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
Value							.06000			
Range							30.000%			

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**3386.9**	**52984.**	**5758.2**
Stddev	14.7	20.	18.0
%RSD	.43391	.03713	.31199
#1	3376.5	52970.	5770.9
#2	3397.3	52997.	5745.5

Sample Name: 280-28310-a-5-b@5 Acquired: 5/3/2012 15:32:50 Type: Unk
Method: 6500_025(v2) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 117677 6010b

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00052**	**3.2674**	**.00392**	**.00186**	**1.3511**	**.00073**	**-.00395**	**2.0632**	**-.00002**	**.04867**
Stddev	.00002	.0260	.00261	.00001	.0043	.00004	.00039	.0090	.00003	.00003
%RSD	3.2465	.79578	66.637	.33743	.31735	5.7143	9.7486	.43500	138.09	.07023
#1	.00051	3.2858	.00577	.00186	1.3541	.00070	-.00368	2.0696	.00000	.04869
#2	.00054	3.2490	.00207	.00186	1.3481	.00076	-.00423	2.0569	-.00004	.04864
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00756**	**.01023**	**12.605**	**.73740**	**.00676**	**.89701**	**4.7498**	**.00312**	**.13764**	**.00450**
Stddev	.00017	.00012	.044	.02052	.00307	.00374	.0262	.00015	.00072	.00003
%RSD	2.2465	1.2188	.34720	2.7834	45.441	.41665	.55135	4.8986	.52511	.55810
#1	.00768	.01031	12.636	.75191	.00893	.89965	4.7684	.00301	.13815	.00448
#2	.00744	.01014	12.574	.72288	.00459	.89437	4.7313	.00323	.13713	.00452
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.28711**	**.07099**	**.05765**	**.00034**	**-.00385**	**.37558**	**.80375**	**.00275**	**.03831**	**.02159**
Stddev	.00293	.00103	.00034	.00052	.00119	.00184	.00394	.00060	.00008	.00015
%RSD	1.0190	1.4567	.59423	151.95	30.872	.49008	.49008	21.759	.21907	.69964
#1	.28504	.07026	.05741	-.00003	-.00470	.37689	.80654	.00317	.03837	.02169
#2	.28918	.07172	.05789	.00071	-.00301	.37428	.80096	.00233	.03825	.02148
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.35307**	**-.00310**	F **-.11677**	**.02857**	**.04023**	**.00715**
Stddev	.00025	.00035	.00697	.00040	.00007	.00050
%RSD	.06965	11.293	5.9677	1.3972	.16443	6.9816
#1	.35289	-.00335	-.12170	.02885	.04019	.00679
#2	.35324	-.00286	-.11185	.02828	.04028	.00750
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit			50.000			
Low Limit			-.10000			

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**3501.5**	**54912.**	**6017.4**
Stddev	3.7	129.	16.9
%RSD	.10538	.23498	.28157
#1	3498.9	54821.	6005.4
#2	3504.1	55003.	6029.4

Sample Name: 280-28310-a-8-b Acquired: 5/3/2012 15:35:18 Type: Unk
Method: 6500_025(v2) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 117677 6010b

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00019**	**9.9696**	**.00624**	**.00413**	**.10660**	**.00132**	**-.00622**	**3.9394**	**.00012**	**.00408**
Stddev	.00026	.0303	.00093	.00004	.00006	.00004	.00036	.0164	.00022	.00024
%RSD	142.08	.30419	14.945	1.0071	.05766	3.3930	5.8094	.41585	182.64	5.8191
#1	.00000	9.9482	.00690	.00410	.10656	.00129	-.00596	3.9278	.00028	.00391
#2	-.00037	9.9910	.00558	.00416	.10665	.00135	-.00648	3.9510	-.00004	.00425
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01208**	**.00871**	**22.073**	**2.0826**	**.01200**	**2.4492**	**.34986**	**.00007**	**.60289**	**.00555**
Stddev	.00019	.00037	.017	.0428	.00200	.0026	.00123	.00022	.00107	.00026
%RSD	1.5547	4.2564	.07521	2.0532	16.708	.10632	.35047	298.65	.17694	4.6199
#1	.01221	.00897	22.062	2.0523	.01342	2.4473	.34899	.00023	.60213	.00573
#2	.01195	.00845	22.085	2.1128	.01058	2.4510	.35072	-.00008	.60364	.00537
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.65853**	**.01761**	**.09910**	**.00061**	**-.00467**	**1.5495**	**3.3159**	**.00662**	**.06804**	**.03337**
Stddev	.00393	.00301	.00237	.00073	.00169	.0166	.0355	.00000	.00021	.00027
%RSD	.59712	17.075	2.3921	119.90	36.276	1.0691	1.0691	.03774	.31466	.79453
#1	.66131	.01973	.09742	.00112	-.00347	1.5612	3.3410	.00662	.06789	.03356
#2	.65575	.01548	.10078	.00009	-.00587	1.5378	3.2908	.00662	.06819	.03318
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.64543**	**-.00185**	F **-.10955**	**.03920**	**.05336**	**.02323**
Stddev	.00036	.00004	.01973	.00005	.00113	.00086
%RSD	.05638	2.3300	18.011	.11764	2.1156	3.6845
#1	.64517	-.00188	-.12350	.03923	.05257	.02383
#2	.64568	-.00182	-.09560	.03916	.05416	.02262
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit			50.000			
Low Limit			-.10000			

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**3620.5**	**56748.**	**6265.6**
Stddev	6.0	12.	12.7
%RSD	.16706	.02138	.20277
#1	3616.2	56756.	6256.6
#2	3624.8	56739.	6274.6

Sample Name: 280-28310-a-8-b@5 Acquired: 5/3/2012 15:37:39 Type: Unk
Method: 6500_025(v2) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 117677 6010b

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00049**	**2.0989**	**-.00146**	**.00102**	**.02301**	**.00034**	**-.00267**	**.84382**	**.00016**	**.00097**
Stddev	.00001	.0108	.00173	.00003	.00014	.00002	.00016	.00062	.00011	.00002
%RSD	2.2996	.51303	118.76	2.4838	.61577	5.0979	6.1017	.07375	69.886	1.9296
#1	.00050	2.0913	-.00023	.00100	.02311	.00033	-.00255	.84338	.00024	.00098
#2	.00048	2.1065	-.00268	.00103	.02291	.00035	-.00278	.84426	.00008	.00095
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00279**	**.00131**	**4.7216**	**.45935**	**.00390**	**.51368**	**.07468**	**-.00022**	**.08193**	**.00122**
Stddev	.00017	.00008	.0275	.01548	.00020	.00174	.00005	.00017	.01024	.00004
%RSD	6.0999	5.7365	.58260	3.3702	5.2532	.33793	.06042	78.219	12.501	3.0299
#1	.00267	.00126	4.7410	.44841	.00375	.51245	.07464	-.00010	.07469	.00125
#2	.00291	.00137	4.7021	.47030	.00404	.51491	.07471	-.00034	.08917	.00120
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.14164**	**.00375**	**.03067**	**-.00081**	W **-.00625**	**.35463**	**.75891**	**.00155**	**.01455**	**.00880**
Stddev	.00089	.00204	.00252	.00031	.00047	.00986	.02110	.00071	.00001	.00007
%RSD	.62710	54.506	8.2099	37.875	7.5787	2.7807	2.7807	45.565	.05457	.76741
#1	.14101	.00230	.02889	-.00059	-.00659	.34766	.74399	.00105	.01455	.00875
#2	.14227	.00519	.03245	-.00103	-.00592	.36160	.77383	.00205	.01454	.00885
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					5.0000					
Low Limit					-.00500					

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.13811**	**-.00178**	**-.02226**	**.00792**	**.01561**	**.00422**
Stddev	.00143	.00027	.03993	.00002	.00009	.00022
%RSD	1.0376	14.946	179.34	.29169	.56618	5.1718
#1	.13710	-.00197	.00597	.00790	.01567	.00438
#2	.13913	-.00159	-.05049	.00793	.01555	.00407
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**3440.5**	**53992.**	**5918.4**
Stddev	3.4	41.	34.6
%RSD	.09925	.07563	.58495
#1	3438.1	53963.	5893.9
#2	3442.9	54020.	5942.9

Sample Name: 280-28247-c-1-b@5 Acquired: 5/3/2012 15:40:01 Type: Unk
Method: 6500_025(v2) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 117677 6010b

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00082**	**21.314**	**.01285**	**.02728**	**.20286**	**.00113**	**-.00443**	**236.85**	**.00281**	**.00930**
Stddev	.00010	.149	.00040	.00068	.00140	.00000	.00079	2.68	.00000	.00005
%RSD	12.549	.69861	3.1508	2.4998	.69003	.23884	17.923	1.1301	.08265	.58087
#1	.00089	21.208	.01257	.02777	.20187	.00113	-.00499	234.96	.00281	.00934
#2	.00075	21.419	.01314	.02680	.20385	.00113	-.00387	238.74	.00281	.00926
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.03207**	**.03018**	**24.935**	**3.8537**	**.02794**	**10.990**	**.22118**	**.01434**	**.72555**	**.03789**
Stddev	.00012	.00010	.107	.0018	.00240	.081	.00179	.00033	.00282	.00040
%RSD	.36134	.32004	.42831	.04583	8.6065	.73346	.80991	2.2670	.38920	1.0674
#1	.03199	.03011	24.860	3.8550	.02624	10.933	.21991	.01457	.72754	.03818
#2	.03215	.03025	25.011	3.8525	.02964	11.047	.22244	.01411	.72355	.03760
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.71540**	**.02035**	**142.36**	**.00146**	**.00517**	**.70350**	**1.5055**	**.00050**	**.84948**	**.00605**
Stddev	.00339	.00063	.21	.00273	.00058	.00374	.0080	.00004	.00480	.00102
%RSD	.47386	3.0723	.14727	187.17	11.194	.53203	.53203	7.8899	.56496	16.773
#1	.71780	.01991	142.51	-.00047	.00558	.70615	1.5112	.00047	.84609	.00534
#2	.71301	.02080	142.21	.00339	.00476	.70086	1.4998	.00053	.85287	.00677
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.07625**	**-.00134**	**.00465**	**.11683**	**.11173**	**.00992**
Stddev	.00057	.00074	.01466	.00075	.00005	.00094
%RSD	.74593	55.099	315.59	.64621	.04498	9.5061
#1	.07585	-.00186	.01501	.11629	.11170	.00925
#2	.07666	-.00082	-.00572	.11736	.11177	.01058
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**3219.1**	**50759.**	**5804.6**
Stddev	.9	304.	27.8
%RSD	.02932	.59851	.47830
#1	3218.4	50974.	5824.2
#2	3219.7	50544.	5785.0

Sample Name: 280-28286-b-5-a@5 Acquired: 5/3/2012 15:42:27 Type: Unk
Method: 6500_025(v2) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 117484 6010b

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00103**	**.20641**	**-.00598**	**.28198**	**.07260**	**.00008**	**.00010**	**244.12**	**.00150**	**.00103**
Stddev	.00063	.00090	.00236	.00119	.00093	.00003	.00398	.33	.00020	.00001
%RSD	61.705	.43476	39.385	.42266	1.2876	35.280	4140.1	.13505	13.493	1.3787
#1	.00148	.20577	-.00432	.28282	.07326	.00006	-.00272	243.89	.00135	.00102
#2	.00058	.20704	-.00765	.28114	.07194	.00010	.00291	244.35	.00164	.00104
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00355**	**.00412**	**4.0776**	**13.792**	**.55939**	**202.23**	**.41890**	**.00050**	W **3504.5**	**.00371**
Stddev	.00020	.00046	.0325	.281	.00477	.93	.00240	.00001	17.2	.00026
%RSD	5.7464	11.205	.79572	2.0364	.85299	.46061	.57393	2.1915	.49202	6.9643
#1	.00369	.00379	4.1005	13.593	.56276	201.57	.41720	.00049	3516.7	.00353
#2	.00340	.00444	4.0546	13.990	.55601	202.89	.42060	.00051	3492.3	.00389
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass
High Limit									500.00	
Low Limit									11.000	

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.22337**	**.00286**	**46.756**	**-.00009**	**.00260**	**1.6137**	**3.4533**	**.00075**	F **39.907**	**-.00198**
Stddev	.00317	.00078	.059	.00371	.01032	.0185	.0395	.00018	.344	.00052
%RSD	1.4213	27.250	.12686	4091.5	397.51	1.1433	1.1433	24.409	.86289	26.101
#1	.22112	.00231	46.714	-.00271	-.00470	1.6267	3.4812	.00062	39.664	-.00234
#2	.22561	.00341	46.798	.00253	.00989	1.6007	3.4254	.00088	40.151	-.00161
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass
High Limit									20.000	
Low Limit									-.02000	

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00526**	**-.00287**	**-.02927**	**.00100**	**.01452**	**-.00044**
Stddev	.00012	.00174	.00343	.00013	.00103	.00162
%RSD	2.1847	60.482	11.732	13.151	7.0708	368.38
#1	.00518	-.00164	-.02684	.00091	.01380	-.00159
#2	.00535	-.00410	-.03170	.00109	.01525	.00071
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**2597.3**	**39599.**	**5252.6**
Stddev	3.0	228.	2.6
%RSD	.11597	.57457	.04933
#1	2595.2	39760.	5254.4
#2	2599.5	39438.	5250.8

Sample Name: 280-28286-b-6-a@5 Acquired: 5/3/2012 15:45:07 Type: Unk
Method: 6500_025(v2) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 117484 6010b

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00141**	**.40855**	**-.00838**	**.32492**	**.10751**	**.00006**	**.00005**	**211.41**	**.00111**	**.00117**
Stddev	.00017	.00131	.00579	.00150	.00034	.00004	.00108	2.07	.00005	.00009
%RSD	12.110	.31996	69.153	.46304	.31928	64.582	2251.3	.98127	4.5516	7.5068
#1	.00129	.40763	-.00428	.32386	.10775	.00009	.00081	212.88	.00115	.00123
#2	.00153	.40948	-.01247	.32599	.10727	.00003	-.00071	209.95	.00107	.00111
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00152**	**.00191**	**.79043**	**12.479**	**.44008**	**147.60**	**.39332**	**-.00074**	W **3125.9**	**.00291**
Stddev	.00034	.00001	.00030	.070	.00026	.09	.00178	.00039	7.9	.00039
%RSD	22.664	.40085	.03830	.56301	.05984	.06282	.45201	53.254	.25271	13.261
#1	.00128	.00191	.79022	12.429	.43990	147.67	.39458	-.00102	3131.5	.00264
#2	.00176	.00190	.79064	12.529	.44027	147.53	.39207	-.00046	3120.3	.00319
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass
High Limit									500.00	
Low Limit									11.000	

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.09133**	**-.00119**	**20.337**	**.00318**	**.00281**	**1.3783**	**2.9495**	**-.00126**	F **32.307**	**.00037**
Stddev	.00501	.00082	.083	.00123	.00034	.0192	.0410	.00010	.267	.00318
%RSD	5.4839	68.858	.40972	38.614	12.138	1.3909	1.3909	7.8358	.82658	861.15
#1	.09487	-.00061	20.278	.00231	.00305	1.3647	2.9205	-.00119	32.495	.00261
#2	.08779	-.00177	20.396	.00405	.00257	1.3918	2.9785	-.00133	32.118	-.00188
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass
High Limit									20.000	
Low Limit									-.02000	

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00823**	**-.00123**	**-.03148**	**.00142**	**.00853**	**.00130**
Stddev	.00055	.00083	.05252	.00025	.00103	.00064
%RSD	6.7162	67.568	166.83	17.904	12.102	49.349
#1	.00784	-.00064	-.06861	.00124	.00780	.00085
#2	.00862	-.00182	.00566	.00160	.00926	.00176
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**2650.3**	**40652.**	**5256.4**
Stddev	5.9	20.	51.4
%RSD	.22249	.04945	.97757
#1	2646.1	40666.	5220.0
#2	2654.4	40638.	5292.7

Sample Name: CCVH-1390999 Acquired: 5/3/2012 15:47:44 Type: QC
Method: 6500_025(v2) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2714
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00106**	**47.519**	**-.00135**	**.00180**	**.00049**	**.00011**	**.95976**	**.02644**	**-.00002**	**.00049**	**.00061**	**-.00478**	**47.910**
Stddev	.00014	.335	.00261	.00076	.00008	.00000	.00242	.02731	.00009	.00024	.00015	.00000	.402
%RSD	13.118	.70600	193.44	42.562	15.993	1.5356	.25244	103.30	514.29	49.483	24.882	.07242	.83818
#1	-.00116	47.756	-.00319	.00234	.00054	.00010	.95804	.00713	.00005	.00067	.00072	-.00478	48.194
#2	-.00096	47.282	.00050	.00126	.00043	.00011	.96147	.04575	-.00008	.00032	.00050	-.00478	47.626
Check ?	None	Chk Pass	None	None	None	None	Chk Pass	None	None	None	None	None	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.19070**	**.00328**	**-.03466**	**.00007**	**-.00076**	**238.62**	**.00142**	**.00596**	**-.00088**	**4.7873**	**-.00109**	**.00064**	**.02890**
Stddev	.01651	.00048	.00089	.00002	.00018	1.04	.00001	.00092	.00034	.0231	.00110	.00134	.01328
%RSD	8.6592	14.757	2.5723	30.523	23.863	.43592	.66635	15.361	38.001	.48250	100.56	208.91	45.943
#1	.20237	.00294	-.03529	.00009	-.00063	239.36	.00141	.00660	-.00112	4.7709	-.00032	.00159	.01951
#2	.17902	.00362	-.03403	.00006	-.00089	237.89	.00142	.00531	-.00065	4.8036	-.00187	-.00031	.03828
Check ?	None	None	None	None	None	Chk Pass	None	None	None	Chk Pass	None	None	None
Value													
Range													

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.06184**	**.00153**	**.00369**	**5.0308**	**.00845**	**-.00175**	**10.384**	**-.00456**	**.00241**	**-.05178**
Stddev	.02841	.00075	.00349	.0057	.00002	.00189	.003	.00002	.00004	.00324
%RSD	45.943	48.848	94.491	.11355	.22185	108.15	.02568	.46493	1.8018	6.2482
#1	.04175	.00100	.00123	5.0268	.00844	-.00041	10.382	-.00458	.00238	-.04949
#2	.08192	.00205	.00616	5.0349	.00847	-.00308	10.386	-.00455	.00244	-.05407
Check ?	None	None	None	Chk Pass	None	None	Chk Pass	None	None	None
Value										
Range										

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**3273.8**	**51141.**	**5767.6**
Stddev	12.4	26.	41.0
%RSD	.37851	.05111	.71072
#1	3282.5	51159.	5738.6
#2	3265.0	51122.	5796.6

Sample Name: CCV-1390955 Acquired: 5/3/2012 15:50:04 Type: QC
Method: 6500_025(v2) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.50479**	**.48237**	**.98816**	**.46879**	**.48573**	**.45672**	**-.00105**	**4.6008**	**.48911**	**.49361**	**.49925**	**.51686**	**2.4512**
Stddev	.00212	.00173	.00165	.00105	.00324	.00197	.00020	.0157	.00016	.00037	.00094	.00265	.0153
%RSD	.42069	.35928	.16714	.22416	.66728	.43181	18.917	.34201	.03271	.07420	.18833	.51237	.62340
#1	.50629	.48360	.98699	.46805	.48802	.45811	-.00091	4.6119	.48922	.49387	.49859	.51873	2.4620
#2	.50329	.48114	.98933	.46953	.48344	.45532	-.00119	4.5897	.48899	.49335	.49992	.51499	2.4404
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**48.364**	**.94270**	**19.473**	**.50905**	**.49964**	**4.8046**	**.49082**	**.91631**	**1.0146**	**.01250**	**.94120**	**.98914**	**4.5770**
Stddev	.336	.00433	.039	.00045	.00038	.0348	.00046	.01014	.0005	.00150	.00618	.00730	.0468
%RSD	.69397	.45970	.20246	.08759	.07514	.72321	.09376	1.1070	.05055	11.999	.65663	.73768	1.0220
#1	48.601	.94576	19.501	.50936	.49937	4.8292	.49114	.92349	1.0143	.01144	.94557	.98398	4.6101
#2	48.127	.93964	19.445	.50873	.49990	4.7800	.49049	.90914	1.0150	.01356	.93683	.99429	4.5439
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**9.7948**	**.99345**	**.48016**	**.00034**	**.48913**	**.99963**	**-.00019**	**.49848**	**.47130**	**.49057**
Stddev	.1001	.00052	.00304	.00023	.00095	.00077	.00122	.00211	.00025	.00306
%RSD	1.0220	.05249	.63386	67.816	.19334	.07737	656.60	.42257	.05326	.62474
#1	9.8655	.99308	.48231	.00018	.48980	1.0002	-.00105	.49997	.47148	.49273
#2	9.7240	.99382	.47800	.00050	.48846	.99908	.00068	.49699	.47112	.48840
Check ?	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value										
Range										

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**3336.0**	**52431.**	**5834.9**
Stddev	3.3	115.	43.7
%RSD	.09824	.21897	.74959
#1	3338.3	52513.	5804.0
#2	3333.7	52350.	5865.8

Sample Name: CCB Acquired: 5/3/2012 15:52:17 Type: QC
Method: 6500_025(v2) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00090**	**.00033**	W **-.00588**	**.00049**	**.00017**	**.00006**	**-.00031**	**.00079**	**.00007**	**.00022**	**.00020**
Stddev	.00001	.00013	.00154	.00020	.00022	.00008	.00117	.00534	.00006	.00018	.00011
%RSD	1.4223	38.463	26.161	39.931	125.72	153.39	378.72	673.88	80.566	82.484	57.137
#1	.00089	.00024	-.00479	.00036	.00032	.00011	-.00114	.00457	.00011	.00034	.00028
#2	.00091	.00042	-.00696	.00063	.00002	.00000	.00052	-.00299	.00003	.00009	.00012
Check ?	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit			.00441								
Low Limit			-.00441								

Elem	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00085**	**.00046**	**.04533**	W **.00305**	**-.00201**	**-.00001**	**.00097**	F **.22879**	**-.00001**	**.00162**	**.00072**
Stddev	.00022	.00029	.01189	.00119	.00094	.00002	.00027	.05782	.00001	.00235	.00048
%RSD	26.395	63.856	26.228	39.052	47.072	144.22	28.240	25.273	76.866	144.93	66.434
#1	-.00100	.00067	.03693	.00390	-.00134	-.00002	.00077	.26967	-.00001	-.00004	.00106
#2	-.00069	.00025	.05374	.00221	-.00267	.00000	.00116	.18790	.00000	.00328	.00038
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit				.00261				.18320			
Low Limit				-.00261				-.18320			

Elem	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00794**	**.00110**	**-.00425**	W **.03513**	**.07518**	**.00023**	F **.00051**	**.00153**	**-.00014**	**-.00110**	**-.00810**
Stddev	.00348	.00032	.00398	.01051	.02249	.00008	.00071	.00007	.00013	.00035	.00236
%RSD	43.815	29.024	93.594	29.912	29.912	34.874	139.49	4.5169	94.950	31.714	29.106
#1	.01041	.00087	-.00144	.04256	.09108	.00029	.00101	.00158	-.00023	-.00085	-.00977
#2	.00548	.00132	-.00707	.02770	.05928	.00017	.00001	.00148	-.00005	-.00134	-.00644
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Warn	None	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				.03470			.00050				
Low Limit				-.06940			-.00050				

Elem	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm
Avg	**-.00033**	**.00277**	**.00018**
Stddev	.00014	.00042	.00014
%RSD	43.151	15.105	79.342
#1	-.00023	.00306	.00008
#2	-.00043	.00247	.00027
Check ?	Chk Pass	Chk Pass	Chk Pass
High Limit			
Low Limit			

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**3397.3**	**53335.**	**5806.2**
Stddev	1.8	401.	47.0
%RSD	.05383	.75218	.80949
#1	3396.0	53051.	5773.0
#2	3398.6	53619.	5839.4

Sample Name: CCVL1397430 Acquired: 5/3/2012 15:54:41 Type: QC
Method: 6500_025(v2) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01122**	**.10015**	**.01075**	**.09039**	**.01007**	**.00093**	**.10327**	**.18426**	**.00495**	**.01031**	**.01005**	**.01467**	**.10770**
Stddev	.00079	.00104	.00333	.00049	.00008	.00002	.00013	.00133	.00003	.00003	.00009	.00003	.00082
%RSD	7.0749	1.0386	31.011	.53943	.80840	2.1835	.12601	.72133	.59013	.31654	.94066	.19643	.76564
#1	.01066	.10088	.00839	.09073	.01013	.00094	.10318	.18520	.00493	.01029	.01012	.01469	.10712
#2	.01179	.09941	.01310	.09004	.01001	.00091	.10336	.18332	.00497	.01034	.00999	.01465	.10828
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**2.9681**	**.01252**	**.20039**	**.01065**	**.02007**	**1.1045**	**.04003**	**2.5959**	**.00880**	**.01379**	**.00752**	**.01122**	**.48220**
Stddev	.0024	.00180	.00107	.00000	.00004	.0003	.00009	.0040	.00126	.00414	.00241	.00496	.01233
%RSD	.08258	14.412	.53352	.02766	.17844	.02491	.21500	.15332	14.328	30.037	32.098	44.224	2.5580
#1	2.9664	.01380	.19964	.01065	.02005	1.1047	.03996	2.5987	.00791	.01086	.00923	.00771	.47347
#2	2.9698	.01124	.20115	.01065	.02010	1.1043	.04009	2.5931	.00969	.01671	.00582	.01473	.49092
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.0319**	**.10003**	**.00980**	**.01578**	**.00952**	**.01524**	F **.07987**	**.00913**	**.02256**	**.01526**
Stddev	.0264	.00003	.00005	.00132	.00004	.00149	.01795	.00035	.00077	.00140
%RSD	2.5580	.03216	.53583	8.3453	.37153	9.7567	22.471	3.8770	3.4125	9.1925
#1	1.0132	.10005	.00984	.01485	.00954	.01419	.09256	.00888	.02202	.01426
#2	1.0506	.10001	.00976	.01671	.00949	.01629	.06718	.00938	.02310	.01625
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
Value							.06000			
Range							30.000%			

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**3374.9**	**52992.**	**5775.2**
Stddev	.6	16.	31.2
%RSD	.01813	.03015	.54009
#1	3374.5	53003.	5797.3
#2	3375.3	52980.	5753.1

Sample Name: mb 280-117370/1-b Acquired: 5/3/2012 15:57:04 Type: Unk
Method: 6500_025(v2) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 117381 6010b Q4

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00085**	**.00233**	**-.00324**	**-.00002**	**.00044**	**.00002**	**.00092**	**.00771**	**-.00004**	**.00006**
Stddev	.00049	.00047	.00031	.00028	.00003	.00001	.00404	.00258	.00004	.00004
%RSD	56.949	20.013	9.6109	1135.9	7.9946	44.426	439.02	33.493	88.296	69.602
#1	.00120	.00266	-.00302	-.00022	.00046	.00001	-.00194	.00953	-.00007	.00009
#2	.00051	.00200	-.00346	.00017	.00041	.00003	.00378	.00588	-.00002	.00003
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00043**	**-.00066**	**.00749**	**.02644**	**.00149**	**.00320**	**.00011**	**-.00010**	**.12543**	**.00019**
Stddev	.00002	.00046	.00212	.00733	.00057	.00213	.00001	.00003	.01311	.00021
%RSD	5.3769	68.789	28.345	27.724	38.269	66.371	5.1657	30.763	10.455	112.86
#1	.00042	-.00034	.00899	.02126	.00109	.00170	.00010	-.00013	.13471	.00034
#2	.00045	-.00099	.00599	.03162	.00190	.00471	.00011	-.00008	.11616	.00004
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00188**	**-.00078**	F **.01428**	**-.00207**	**-.00061**	F **.01642**	**.03513**	**-.00060**	**.00005**	**.00118**
Stddev	.00182	.00141	.00052	.00080	.00284	.01213	.02596	.00038	.00002	.00081
%RSD	96.869	180.38	3.6159	38.528	465.31	73.899	73.899	63.231	49.558	68.013
#1	.00316	-.00177	.01392	-.00151	-.00262	.02500	.05349	-.00033	.00006	.00061
#2	.00059	.00021	.01465	-.00264	.00140	.00784	.01678	-.00086	.00003	.00175
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Fail	None	Chk Pass	Chk Pass	Chk Pass
High Limit			.01000			.01000				
Low Limit			-.01000			-.01000				

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00005**	**-.00166**	**-.00376**	**-.00031**	**.00391**	**.00079**
Stddev	.00004	.00046	.00375	.00004	.00023	.00102
%RSD	71.899	27.747	99.741	14.070	5.9208	129.10
#1	.00002	-.00134	-.00111	-.00028	.00407	.00007
#2	.00007	-.00199	-.00641	-.00035	.00375	.00151
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**3432.8**	**53791.**	**5923.3**
Stddev	10.3	50.	10.2
%RSD	.29974	.09256	.17247
#1	3440.1	53755.	5930.5
#2	3425.5	53826.	5916.1

Sample Name: lcs 280-117370/2-b Acquired: 5/3/2012 15:59:28 Type: Unk
Method: 6500_025(v2) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 117381 6010b Q4

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.05217**	**1.8265**	**1.0107**	**.97662**	**1.9302**	**.04571**	**2.0341**	**45.012**	**.09899**	**.48194**
Stddev	.00080	.0045	.0060	.00142	.0131	.00038	.0019	.234	.00063	.00061
%RSD	1.5367	.24337	.59655	.14564	.68088	.83792	.09306	.51901	.63931	.12662
#1	.05160	1.8234	1.0149	.97562	1.9395	.04598	2.0354	45.178	.09944	.48237
#2	.05273	1.8297	1.0064	.97763	1.9209	.04544	2.0328	44.847	.09855	.48151
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.19783**	**.26090**	**.97982**	**48.749**	**.94144**	**49.414**	**.51566**	**.99805**	**49.523**	**.48178**
Stddev	.00007	.00009	.00339	.325	.00586	.124	.00079	.00235	.457	.00053
%RSD	.03378	.03629	.34579	.66723	.62277	.25175	.15224	.23533	.92186	.11063
#1	.19787	.26083	.98222	48.979	.94558	49.502	.51621	.99971	49.846	.48140
#2	.19778	.26096	.97743	48.519	.93729	49.326	.51510	.99639	49.200	.48216
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**9.5310**	**.49189**	**.02493**	**.47419**	**2.0565**	F **9.1547**	F **19.591**	**1.9805**	**.96664**	**1.0311**
Stddev	.0018	.00155	.00340	.00191	.0007	.0651	.139	.0008	.00549	.0059
%RSD	.01880	.31476	13.650	.40362	.03312	.71148	.71148	.03940	.56803	.56866
#1	9.5323	.49080	.02733	.47554	2.0570	9.2008	19.690	1.9799	.97053	1.0352
#2	9.5298	.49299	.02252	.47283	2.0561	9.1086	19.492	1.9810	.96276	1.0270
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Fail	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit						11.500	24.610			
Low Limit						9.4000	20.100			

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.98695**	**1.9950**	**2.1879**	**.50491**	**.47498**	**.48053**
Stddev	.00166	.0040	.0258	.00177	.00387	.00281
%RSD	.16827	.19986	1.1773	.35107	.81447	.58408
#1	.98813	1.9979	2.2062	.50616	.47771	.48251
#2	.98578	1.9922	2.1697	.50365	.47224	.47854
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**3268.6**	**50719.**	**5805.5**
Stddev	1.3	159.	12.8
%RSD	.03950	.31280	.21964
#1	3269.5	50607.	5796.5
#2	3267.7	50831.	5814.5

Sample Name: 280-28177-a-1-b Acquired: 5/3/2012 16:01:37 Type: Unk
Method: 6500_025(v2) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 117381 6010b Q4

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00082**	**.00610**	**-.00202**	**.01044**	**.06460**	**.00023**	**-.00012**	**30.555**	**.00021**	**.00262**
Stddev	.00011	.00033	.00116	.00052	.00053	.00003	.00206	.104	.00002	.00009
%RSD	12.837	5.4090	57.236	5.0065	.82765	14.583	1722.1	.34045	9.4124	3.5658
#1	.00075	.00586	-.00120	.01007	.06422	.00025	.00134	30.481	.00020	.00269
#2	.00090	.00633	-.00284	.01081	.06497	.00020	-.00158	30.628	.00022	.00255
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00045**	**-.00059**	**1.8552**	**2.1973**	**.00677**	**8.5488**	**.29727**	**.00229**	**13.863**	**.00980**
Stddev	.00016	.00012	.0052	.0285	.00169	.0211	.00049	.00060	.276	.00004
%RSD	35.946	20.949	.28225	1.2975	25.006	.24675	.16535	26.117	1.9894	.35824
#1	.00034	-.00050	1.8515	2.1771	.00797	8.5339	.29762	.00186	13.668	.00978
#2	.00057	-.00067	1.8589	2.2174	.00557	8.5637	.29692	.00271	14.058	.00983
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00716**	**.00055**	**18.841**	**-.00270**	**-.00184**	**11.478**	**24.562**	**-.00069**	**.38044**	**-.00027**
Stddev	.00443	.00056	.011	.00044	.00070	.043	.093	.00016	.00093	.00101
%RSD	61.959	101.60	.05793	16.321	38.028	.37779	.37779	22.896	.24317	372.03
#1	.00402	.00095	18.849	-.00239	-.00234	11.447	24.496	-.00080	.37979	-.00098
#2	.01029	.00016	18.833	-.00302	-.00135	11.508	24.628	-.00058	.38110	.00044
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00050**	**-.00081**	**.00396**	**-.00021**	**.02133**	**.00007**
Stddev	.00001	.00011	.00706	.00051	.00038	.00177
%RSD	1.2563	14.177	178.40	237.37	1.7838	2447.1
#1	.00050	-.00073	.00896	-.00057	.02106	.00133
#2	.00049	-.00089	-.00104	.00014	.02160	-.00118
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**3362.4**	**52265.**	**5869.1**
Stddev	.7	5.	.3
%RSD	.02025	.00896	.00487
#1	3362.9	52268.	5869.3
#2	3361.9	52262.	5868.9

Sample Name: 280-28177-a-2-c Acquired: 5/3/2012 16:03:58 Type: Unk
Method: 6500_025(v2) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 117381 6010b Q4

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00090**	**.00524**	**-.00178**	**.01033**	**.06474**	**.00025**	**.00026**	**30.433**	**.00014**	**.00263**
Stddev	.00015	.00006	.00044	.00009	.00046	.00000	.00488	.135	.00009	.00018
%RSD	16.038	1.1696	24.835	.88818	.70926	1.9038	1912.3	.44454	64.646	7.0197
#1	.00080	.00528	-.00210	.01040	.06507	.00025	.00371	30.529	.00008	.00276
#2	.00101	.00520	-.00147	.01027	.06442	.00025	-.00320	30.337	.00021	.00250
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00029**	**-.00025**	**1.2511**	**2.1824**	**.00868**	**8.4989**	**.29090**	**-.00030**	**13.733**	**.01135**
Stddev	.00031	.00027	.0022	.0081	.00011	.0119	.00027	.00002	.297	.00103
%RSD	107.90	111.20	.17976	.37263	1.3131	.13971	.09419	5.6268	2.1621	9.0659
#1	.00050	-.00005	1.2527	2.1882	.00876	8.5073	.29109	-.00029	13.943	.01207
#2	.00007	-.00044	1.2495	2.1767	.00860	8.4905	.29070	-.00032	13.523	.01062
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00708**	**.00027**	**19.195**	**-.00049**	**-.00362**	**11.449**	**24.501**	**-.00180**	**.37729**	**.00119**
Stddev	.00092	.00009	.327	.00012	.00194	.045	.096	.00093	.00214	.00071
%RSD	13.006	33.696	1.7039	24.253	53.532	.39057	.39057	51.426	.56726	59.169
#1	.00643	.00033	19.426	-.00041	-.00225	11.481	24.568	-.00246	.37880	.00169
#2	.00773	.00020	18.963	-.00057	-.00499	11.417	24.433	-.00115	.37577	.00069
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00004**	**-.00141**	**-.00490**	**-.00023**	**.02332**	**-.00078**
Stddev	.00026	.00078	.00189	.00009	.00013	.00150
%RSD	707.93	55.218	38.571	40.476	.54107	190.85
#1	.00022	-.00086	-.00356	-.00029	.02323	.00027
#2	-.00015	-.00196	-.00624	-.00016	.02341	-.00184
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**3326.2**	**52398.**	**5829.0**
Stddev	52.4	112.	5.0
%RSD	1.5744	.21343	.08595
#1	3289.2	52477.	5832.6
#2	3363.2	52319.	5825.5

Sample Name: 280-28177-b-10-f Acquired: 5/3/2012 16:06:20 Type: Unk
Method: 6500_025(v2) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 117381 6010b Q4

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00085**	**.04969**	**-.00264**	**.01179**	**.04597**	**.00016**	**-.00001**	**16.021**	**-.00006**	**.00064**
Stddev	.00041	.00069	.00024	.00057	.00010	.00006	.00050	.043	.00006	.00027
%RSD	47.885	1.3868	9.0026	4.8386	.21379	35.892	8527.8	.27152	107.31	41.476
#1	.00057	.04920	-.00281	.01220	.04604	.00020	.00035	16.052	-.00010	.00045
#2	.00114	.05018	-.00247	.01139	.04590	.00012	-.00036	15.990	-.00001	.00083
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00044**	**-.00044**	**.03695**	**.92333**	**.00223**	**2.4557**	**.05886**	**.00004**	**7.4249**	**.00188**
Stddev	.00008	.00035	.00255	.00947	.00030	.0114	.00003	.00044	.0136	.00025
%RSD	16.945	79.584	6.9025	1.0252	13.462	.46342	.05667	1072.4	.18307	13.420
#1	.00050	-.00019	.03876	.91663	.00244	2.4637	.05883	.00035	7.4345	.00170
#2	.00039	-.00068	.03515	.93002	.00202	2.4476	.05888	-.00027	7.4153	.00206
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00740**	**.00041**	**15.053**	**-.00102**	**-.00210**	**3.3646**	**7.2003**	**-.00111**	**.08726**	**.00112**
Stddev	.00146	.00116	.049	.00170	.00160	.0058	.0124	.00094	.00018	.00244
%RSD	19.678	285.86	.32339	166.62	76.014	.17209	.17209	84.905	.21001	218.20
#1	.00843	-.00042	15.019	.00018	-.00323	3.3687	7.2091	-.00044	.08739	-.00061
#2	.00637	.00123	15.088	-.00222	-.00097	3.3605	7.1915	-.00178	.08713	.00285
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00023**	**-.00089**	**.01635**	**-.00045**	**.01840**	**.00003**
Stddev	.00013	.00055	.01625	.00020	.00086	.00102
%RSD	55.455	61.116	99.356	43.248	4.6867	4087.9
#1	.00033	-.00051	.02784	-.00031	.01901	.00075
#2	.00014	-.00128	.00486	-.00059	.01779	-.00070
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**3395.1**	**53114.**	**5819.8**
Stddev	1.5	159.	17.6
%RSD	.04299	.29988	.30172
#1	3394.1	53002.	5832.2
#2	3396.2	53227.	5807.4

Sample Name: 280-28177-c-11-b Acquired: 5/3/2012 16:08:41 Type: Unk
Method: 6500_025(v2) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 117381 6010b Q4

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00070**	**.01026**	**-.00503**	**2.8739**	**.01755**	**-.00001**	**-.00037**	**233.92**	**.00126**	**.00004**
Stddev	.00009	.00122	.00361	.0234	.00012	.00003	.00465	2.88	.00015	.00007
%RSD	13.192	11.853	71.751	.81494	.66123	441.52	1264.0	1.2293	11.530	161.15
#1	.00076	.01112	-.00248	2.8905	.01747	-.00003	-.00366	235.95	.00116	.00009
#2	.00063	.00940	-.00757	2.8574	.01763	.00002	.00292	231.88	.00136	-.00001
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00085**	**.00925**	**.01144**	W **298.49**	**.13955**	W **834.50**	**.02175**	**.00642**	W **7602.8**	**.00072**
Stddev	.00001	.00031	.00245	.68	.00242	7.36	.00017	.00055	4.0	.00013
%RSD	1.4525	3.3729	21.402	.22881	1.7352	.88158	.79131	8.5090	.05244	17.687
#1	.00085	.00903	.00971	298.97	.14126	829.30	.02163	.00681	7605.6	.00081
#2	.00084	.00947	.01317	298.00	.13784	839.71	.02187	.00604	7600.0	.00063
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Warn	Chk Pass
High Limit				100.00		500.00			500.00	
Low Limit				-.50000		-.10000			11.000	

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.03590**	**-.00002**	F **678.39**	**.00025**	**.00234**	**.15811**	**.33836**	**-.00177**	W **5.0401**	**-.00661**
Stddev	.00069	.00189	4.07	.00080	.00312	.00930	.01991	.00007	.1061	.00092
%RSD	1.9111	10803.	.60038	318.25	133.32	5.8844	5.8844	3.7659	2.1043	13.909
#1	.03639	-.00135	681.27	.00082	.00013	.16469	.35244	-.00173	5.1151	-.00596
#2	.03542	.00132	675.51	-.00032	.00455	.15154	.32429	-.00182	4.9651	-.00726
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass
High Limit			200.00						5.0000	
Low Limit			-.20000						-.01000	

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00032**	**-.00073**	**-.02983**	**.00165**	**.00795**	**.00059**
Stddev	.00041	.00004	.02416	.00014	.00025	.00092
%RSD	129.01	5.7569	80.984	8.6885	3.1505	155.46
#1	.00003	-.00070	-.04691	.00155	.00813	-.00006
#2	.00060	-.00076	-.01275	.00175	.00777	.00124
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**2285.5**	**35461.**	**5278.7**
Stddev	2.7	424.	13.2
%RSD	.11711	1.1962	.25031
#1	2287.4	35761.	5269.4
#2	2283.6	35161.	5288.0

Sample Name: 280-28177-c-12-b Acquired: 5/3/2012 16:11:28 Type: Unk
Method: 6500_025(v2) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 117381 6010b Q4

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00061**	**.00925**	**-.00973**	**2.8953**	**.01699**	**.00000**	**.00162**	**238.68**	**.00125**	**-.00047**
Stddev	.00049	.00003	.00618	.0035	.00013	.00004	.00131	1.41	.00007	.00030
%RSD	79.644	.32094	63.558	.12215	.77136	2884.7	80.885	.59183	5.7039	64.420
#1	.00027	.00923	-.00536	2.8928	.01690	-.00003	.00254	239.68	.00120	-.00069
#2	.00096	.00927	-.01410	2.8978	.01708	.00003	.00069	237.68	.00130	-.00026
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00075**	**.00300**	**.01806**	W **300.48**	**.13520**	W **844.46**	**.02129**	**.00661**	W **7628.6**	**.00074**
Stddev	.00013	.00019	.00443	1.11	.00048	4.20	.00011	.00004	32.2	.00017
%RSD	17.418	6.2669	24.556	.37003	.35667	.49727	.51205	.60537	.42248	23.545
#1	.00066	.00313	.01492	301.27	.13554	847.43	.02137	.00658	7651.4	.00086
#2	.00085	.00286	.02119	299.70	.13486	841.49	.02122	.00664	7605.9	.00062
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Warn	Chk Pass
High Limit				100.00		500.00			500.00	
Low Limit				-.50000		-.10000			11.000	

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.04193**	**-.00008**	F **683.71**	**-.00192**	**.00575**	**.15946**	**.34124**	**-.00173**	W **5.1029**	**-.00558**
Stddev	.00393	.00076	.56	.00293	.00153	.01555	.03327	.00029	.0417	.00184
%RSD	9.3769	939.70	.08243	152.87	26.637	9.7487	9.7487	17.042	.81685	32.930
#1	.04471	.00046	683.32	.00016	.00683	.17045	.36477	-.00193	5.0734	-.00428
#2	.03915	-.00062	684.11	-.00399	.00466	.14847	.31772	-.00152	5.1324	-.00687
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass
High Limit			200.00						5.0000	
Low Limit			-.20000						-.01000	

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00022**	**-.00197**	**.01484**	**.00153**	**.00568**	**.00033**
Stddev	.00027	.00241	.00869	.00023	.00006	.00000
%RSD	120.44	121.96	58.534	14.759	1.1079	.00514
#1	.00041	-.00368	.02098	.00137	.00563	.00033
#2	.00003	-.00027	.00870	.00169	.00572	.00033
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**2294.1**	**34761.**	**4949.0**
Stddev	16.1	328.	43.7
%RSD	.69978	.94216	.88292
#1	2282.7	34529.	4979.9
#2	2305.4	34992.	4918.1

Sample Name: 280-28177-g-13-d Acquired: 5/3/2012 16:14:14 Type: Unk
Method: 6500_025(v2) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 117381 6010b Q4

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00125**	**.01267**	**-.00419**	**2.8434**	**.01707**	**.00004**	**.00330**	**236.38**	**.00116**	**-.00006**
Stddev	.00011	.00087	.00193	.0041	.00031	.00008	.00773	12.41	.00036	.00015
%RSD	8.5758	6.8518	46.216	.14574	1.8236	181.45	234.40	5.2491	30.891	239.89
#1	.00118	.01206	-.00282	2.8464	.01729	.00010	-.00217	227.61	.00091	-.00017
#2	.00133	.01329	-.00555	2.8405	.01685	-.00001	.00876	245.16	.00141	.00004
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00097**	**.00622**	**.00721**	W **297.33**	**.13495**	W **837.77**	**.02028**	**.00651**	W **7562.1**	**.00127**
Stddev	.00033	.00021	.00254	.96	.00102	6.10	.00005	.00050	29.7	.00000
%RSD	34.193	3.3029	35.264	.32259	.75497	.72759	.26423	7.7193	.39247	.18030
#1	.00074	.00637	.00900	298.01	.13423	833.46	.02032	.00686	7583.1	.00127
#2	.00121	.00608	.00541	296.65	.13567	842.08	.02024	.00615	7541.1	.00126
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Warn	Chk Pass
High Limit				100.00		500.00			500.00	
Low Limit				-.50000		-.10000			11.000	

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.03782**	**.00093**	F **673.12**	**-.00101**	**.00265**	**.14463**	**.30951**	**-.00044**	W **5.1719**	**-.00405**
Stddev	.00617	.00105	1.00	.00089	.00203	.01894	.04054	.00037	.0058	.00086
%RSD	16.320	113.96	.14827	88.191	76.488	13.098	13.098	83.164	.11277	21.235
#1	.03345	.00167	673.83	-.00164	.00122	.15802	.33817	-.00018	5.1678	-.00465
#2	.04218	.00018	672.42	-.00038	.00408	.13123	.28084	-.00071	5.1760	-.00344
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass
High Limit			200.00						5.0000	
Low Limit			-.20000						-.01000	

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00029**	**.00106**	**.00269**	**.00167**	**.00558**	**-.00015**
Stddev	.00021	.00160	.02143	.00005	.00064	.00052
%RSD	74.366	151.06	795.39	3.1625	11.379	351.41
#1	.00044	-.00007	-.01246	.00170	.00603	.00022
#2	.00014	.00219	.01785	.00163	.00513	-.00051
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**2311.4**	**35567.**	**5052.1**
Stddev	.0	94.	159.3
%RSD	.00200	.26295	3.1540
#1	2311.4	35633.	5164.8
#2	2311.4	35500.	4939.4

Sample Name: SD 28177-g-13-d@5 Acquired: 5/3/2012 16:17:00 Type: Unk
Method: 6500_025(v2) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 117381 6010b Q4

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00131**	**.00242**	**-.00666**	**.55816**	**.00344**	**.00011**	**-.00320**	**50.303**	**.00095**	**-.00005**
Stddev	.00002	.00066	.00308	.00189	.00000	.00010	.00007	.003	.00011	.00025
%RSD	1.4281	27.128	46.233	.33805	.12975	94.115	2.0401	.00617	11.458	542.65
#1	.00129	.00195	-.00448	.55950	.00344	.00004	-.00324	50.301	.00087	.00013
#2	.00132	.00288	-.00884	.55683	.00344	.00018	-.00315	50.306	.00102	-.00023
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00014**	**.00131**	**.00775**	**56.982**	**.02548**	**171.64**	**.00414**	**.00114**	W **1453.8**	**.00062**
Stddev	.00006	.00009	.00101	.190	.00053	.65	.00003	.00024	.3	.00013
%RSD	38.911	6.6634	13.056	.33393	2.0694	.37674	.72480	21.022	.01865	20.917
#1	.00018	.00137	.00847	56.847	.02585	172.10	.00412	.00097	1454.0	.00053
#2	.00010	.00125	.00704	57.117	.02510	171.18	.00417	.00131	1453.7	.00071
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass
High Limit									500.00	
Low Limit									11.000	

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00861**	**-.00095**	**127.58**	**-.00017**	**-.00176**	**.05164**	**.11050**	**-.00079**	**1.0072**	**-.00062**
Stddev	.00242	.00078	.21	.00020	.00401	.00107	.00230	.00167	.0012	.00093
%RSD	28.068	82.020	.16620	122.53	227.89	2.0770	2.0770	211.24	.12068	151.37
#1	.01032	-.00040	127.73	-.00002	-.00460	.05240	.11213	-.00198	1.0080	.00004
#2	.00690	-.00150	127.43	-.00031	.00108	.05088	.10888	.00039	1.0063	-.00128
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00002**	**-.00300**	**-.01609**	**.00102**	**.00537**	**-.00078**
Stddev	.00026	.00003	.01028	.00019	.00094	.00040
%RSD	1060.4	.95748	63.915	18.509	17.452	50.982
#1	-.00021	-.00302	-.02336	.00089	.00604	-.00106
#2	.00016	-.00297	-.00882	.00115	.00471	-.00050
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**2863.3**	**43592.**	**5397.1**
Stddev	2.4	66.	58.9
%RSD	.08324	.15106	1.0916
#1	2861.6	43546.	5438.8
#2	2865.0	43639.	5355.5

Sample Name: 280-28177-g-13-d PDS Acquired: 5/3/2012 16:19:29 Type: Unk
Method: 6500_025(v2) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 117381 6010b Q4

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.05639**	**.88693**	**.23395**	**2.8259**	**.12072**	**.04709**	**.00019**	**254.92**	**.05943**	**.04680**
Stddev	.00014	.00384	.00835	.0048	.00025	.00019	.00189	2.71	.00034	.00002
%RSD	.25393	.43259	3.5711	.16922	.20347	.41393	977.27	1.0647	.57130	.04910
#1	.05650	.88965	.22804	2.8292	.12089	.04723	-.00114	253.00	.05967	.04681
#2	.05629	.88422	.23986	2.8225	.12054	.04695	.00153	256.84	.05919	.04678
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.05149**	**.06418**	**1.0020**	W **313.46**	**.24600**	W **833.05**	**.07393**	**.05230**	W **7400.3**	**.04784**
Stddev	.00063	.00071	.0069	.71	.00103	.90	.00069	.00009	20.3	.00029
%RSD	1.2220	1.1118	.68847	.22569	.42054	.10778	.93737	.16827	.27371	.60771
#1	.05194	.06468	1.0069	313.96	.24527	833.69	.07442	.05236	7414.6	.04764
#2	.05105	.06367	.99712	312.96	.24673	832.42	.07344	.05224	7386.0	.04805
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Warn	Chk Pass
High Limit				100.00		500.00			500.00	
Low Limit				-.50000		-.10000			11.000	

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **2.2586**	**.08867**	F **651.00**	**.10076**	**.23512**	**4.6907**	**10.038**	**.08239**	W **5.0170**	**.21724**
Stddev	.0004	.00301	.99	.00243	.00008	.0080	.017	.00152	.0047	.00227
%RSD	.01541	3.3981	.15166	2.4155	.03426	.17004	.17004	1.8402	.09435	1.0469
#1	2.2583	.08654	651.70	.10248	.23507	4.6963	10.050	.08346	5.0137	.21885
#2	2.2588	.09080	650.31	.09904	.23518	4.6850	10.026	.08132	5.0204	.21563
Check ?	Chk Warn	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass
High Limit	2.0000		200.00						5.0000	
Low Limit	-1.0000		-.20000						-.01000	

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.04819**	**.16438**	**.53903**	**.05540**	**.19860**	**.04657**
Stddev	.00062	.00186	.02250	.00056	.00023	.00429
%RSD	1.2962	1.1315	4.1739	1.0080	.11531	9.2117
#1	.04863	.16306	.52313	.05579	.19877	.04960
#2	.04775	.16569	.55494	.05500	.19844	.04354
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**2327.0**	**35906.**	**4988.3**
Stddev	14.2	132.	118.7
%RSD	.61040	.36736	2.3799
#1	2337.0	35813.	5072.3
#2	2316.9	35999.	4904.4

Sample Name: CCVH-1390999 Acquired: 5/3/2012 16:22:12 Type: QC
Method: 6500_025(v2) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00127**	**46.817**	**-.00079**	**.00523**	**.00058**	**.00009**	W **.92271**	**.04432**	**.00000**	**.00056**	**.00025**	**-.00536**
Stddev	.00040	.321	.00135	.00053	.00019	.00003	.00050	.01030	.00018	.00008	.00005	.00080
%RSD	31.892	.68556	169.92	10.106	32.878	32.406	.05404	23.239	3588.9	13.675	21.828	14.910
#1	-.00155	46.590	-.00175	.00560	.00071	.00007	.92307	.05160	.00013	.00050	.00028	-.00593
#2	-.00098	47.043	.00016	.00485	.00044	.00011	.92236	.03704	-.00012	.00061	.00021	-.00480
Check ?	None	Chk Pass	None	None	None	None	Chk Warn	None	None	None	None	None
Value							1.0000					
Range							-5.0000%					

Elem	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316	P_1782	Pb2203	S_1820	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**47.233**	**.40876**	**.00199**	**-.00944**	**.00007**	**-.00099**	**235.37**	**.00199**	**.00298**	**-.00207**	W **4.6920**	**.00087**
Stddev	.225	.01584	.00101	.00419	.00002	.00004	1.45	.00027	.00038	.00087	.0019	.00287
%RSD	.47683	3.8742	50.849	44.423	24.942	4.3279	.61468	13.794	12.819	42.277	.04121	328.98
#1	47.073	.41995	.00127	-.00648	.00006	-.00102	234.35	.00179	.00271	-.00145	4.6934	.00291
#2	47.392	.39756	.00270	-.01241	.00009	-.00096	236.39	.00218	.00325	-.00268	4.6906	-.00116
Check ?	Chk Pass	None	None	None	None	None	Chk Pass	None	None	None	Chk Warn	None
Value											5.0000	
Range											-5.0000%	

Elem	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00269**	**.03247**	**.06949**	**.00079**	**.00064**	**5.0166**	**.00892**	**-.00218**	**10.233**	**-.00537**	**.00264**	**-.06114**
Stddev	.00247	.00921	.01971	.00021	.00003	.0262	.00018	.00123	.036	.00002	.00026	.00411
%RSD	91.969	28.361	28.361	26.784	4.1356	.52264	1.9942	56.261	.35240	.34881	9.7152	6.7236
#1	.00094	.02596	.05555	.00094	.00066	5.0351	.00905	-.00131	10.259	-.00539	.00246	-.06404
#2	.00444	.03898	.08343	.00064	.00062	4.9980	.00880	-.00305	10.208	-.00536	.00282	-.05823
Check ?	None	None	None	None	None	Chk Pass	None	None	Chk Pass	None	None	None
Value												
Range												

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**3191.0**	**49222.**	**5432.3**
Stddev	14.7	60.	24.3
%RSD	.46059	.12229	.44745
#1	3201.4	49179.	5449.5
#2	3180.6	49265.	5415.1

Sample Name: CCV-1390955 Acquired: 5/3/2012 16:24:33 Type: QC
Method: 6500_025(v2) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.50420**	**.48406**	**.97049**	**.45761**	**.48261**	W **.44974**	**-.00236**	**4.6001**	**.48187**	**.48888**	**.49534**	**.51491**
Stddev	.00092	.00222	.00288	.00206	.00080	.00046	.00173	.0194	.00043	.00053	.00104	.00014
%RSD	.18172	.45815	.29652	.45029	.16533	.10198	73.465	.42124	.08891	.10924	.20920	.02706
#1	.50485	.48249	.96846	.45615	.48205	.45007	-.00358	4.5864	.48218	.48925	.49608	.51482
#2	.50355	.48563	.97253	.45907	.48318	.44942	-.00113	4.6138	.48157	.48850	.49461	.51501
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						.50000						
Range						-10.000%						

Elem	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**2.4697**	**48.550**	**.93413**	**19.893**	**.51580**	**.49508**	**5.1384**	**.48691**	F **.88988**	**1.0185**	**.05480**	**.90777**
Stddev	.0090	.074	.00146	.044	.00020	.00014	.0261	.00008	.00440	.0033	.00516	.00218
%RSD	.36342	.15264	.15652	.22193	.03781	.02849	.50690	.01743	.49493	.32595	9.4082	.24023
#1	2.4761	48.498	.93517	19.924	.51566	.49518	5.1568	.48685	.89300	1.0209	.05844	.90623
#2	2.4634	48.603	.93310	19.862	.51594	.49498	5.1199	.48697	.88677	1.0162	.05115	.90931
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	None	Chk Pass
Value									1.0000			
Range									-10.490%			

Elem	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.96670**	**4.6213**	**9.8896**	**.99223**	**.47510**	**-.00076**	**.48812**	**.98612**	**.01098**	**.50095**	**.48350**	**.48894**
Stddev	.00290	.0447	.0956	.00165	.00017	.00165	.00169	.00444	.01832	.00076	.00254	.00120
%RSD	.30050	.96709	.96709	.16651	.03576	217.64	.34549	.45073	166.85	.15216	.52609	.24572
#1	.96465	4.5897	9.8220	.99340	.47522	-.00192	.48931	.98298	-.00197	.50148	.48530	.48979
#2	.96875	4.6529	9.9572	.99107	.47498	.00041	.48693	.98926	.02393	.50041	.48170	.48809
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value												
Range												

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**3230.2**	**49842.**	**5321.0**
Stddev	8.0	140.	.3
%RSD	.24613	.28131	.00527
#1	3224.6	49742.	5320.8
#2	3235.8	49941.	5321.2

Sample Name: CCB Acquired: 5/3/2012 16:26:45 Type: QC
Method: 6500_025(v2) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00075**	**-.00018**	**.00260**	**.00239**	**.00042**	**.00015**	**-.00082**	**-.00339**	**.00002**	**.00007**	**.00000**	**-.00090**	**.00172**
Stddev	.00019	.00098	.00157	.00053	.00020	.00002	.00438	.00099	.00005	.00005	.0003	.00030	.00261
%RSD	24.883	546.89	60.474	22.046	47.084	16.100	533.32	29.259	224.26	72.255	27096.	33.583	151.16
#1	.00088	-.00087	.00371	.00276	.00056	.00017	.00228	-.00409	-.00001	.00004	.00023	-.00112	-.00012
#2	.00062	.00051	.00149	.00201	.00028	.00013	-.00392	-.00269	.00006	.00011	-.00024	-.00069	.00357
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit													
Low Limit													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.11570**	**.00148**	**.00364**	**-.00003**	**.00079**	F **.57676**	**.00036**	**.00254**	**-.00099**	**.04327**	**.00022**	**-.00042**	**.02973**
Stddev	.00183	.00138	.00133	.00001	.00062	.01008	.00034	.00011	.00034	.00284	.00185	.00154	.01967
%RSD	1.5844	93.373	36.440	36.099	78.733	1.7481	92.821	4.2881	34.204	6.5735	825.09	366.17	66.158
#1	.11440	.00246	.00458	-.00004	.00035	.58389	.00012	.00262	-.00123	.04126	-.00108	.00067	.01582
#2	.11700	.00050	.00270	-.00002	.00122	.56963	.00060	.00247	-.00075	.04528	.00153	-.00151	.04364
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						.18320							
Low Limit						-.18320							

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.06363**	**-.00179**	**.00004**	**.00105**	**.00004**	**-.00071**	**-.01243**	**-.00038**	**.00274**	**-.00108**
Stddev	.04210	.00033	.00004	.00097	.00011	.00186	.02733	.00006	.00018	.00088
%RSD	66.158	18.687	111.85	92.791	291.13	260.41	219.88	16.779	6.5840	81.298
#1	.03386	-.00202	.00007	.00174	.00011	.00060	-.03176	-.00033	.00287	-.00170
#2	.09339	-.00155	.00001	.00036	-.00004	-.00203	.00690	-.00042	.00261	-.00046
Check ?	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**3232.2**	**50115.**	**5342.3**
Stddev	34.5	120.	14.1
%RSD	1.0679	.23929	.26313
#1	3256.6	50200.	5332.3
#2	3207.8	50030.	5352.2

Sample Name: CCVL1397430 Acquired: 5/3/2012 16:29:10 Type: QC
Method: 6500_025(v2) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01129**	**.09967**	F **.00944**	**.09044**	**.00995**	**.00088**	**.09844**	**.18354**	**.00484**	**.01038**	**.01018**	**.01496**	**.10048**
Stddev	.00007	.00083	.00018	.00114	.00006	.00004	.00076	.00144	.00010	.00004	.00011	.00012	.00159
%RSD	.58199	.83358	1.8811	1.2607	.61321	4.8792	.77628	.78528	2.0455	.39767	1.1167	.83241	1.5840
#1	.01124	.10026	.00931	.08963	.00991	.00091	.09898	.18252	.00491	.01041	.01026	.01487	.10161
#2	.01134	.09908	.00956	.09124	.01000	.00085	.09790	.18456	.00477	.01035	.01010	.01505	.09936
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value			.01500										
Range			-30.000%										

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**3.0622**	F **.01461**	**.20522**	**.01055**	**.01962**	F **1.4143**	**.03993**	**2.5542**	**.00880**	**.04726**	**.00703**	**.01441**	**.45808**
Stddev	.0407	.00200	.00233	.00002	.00018	.0012	.00004	.0030	.00030	.00180	.00092	.00352	.00114
%RSD	1.3300	13.670	1.1334	.17638	.92636	.08518	.10763	.11705	3.3782	3.8123	13.032	24.426	.24799
#1	3.0910	.01602	.20687	.01053	.01975	1.4135	.03990	2.5521	.00859	.04599	.00638	.01690	.45728
#2	3.0334	.01319	.20358	.01056	.01949	1.4152	.03996	2.5563	.00901	.04854	.00768	.01192	.45888
Check ?	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value		.01000				1.0000							
Range		30.000%				30.000%							

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.98029**	**.10105**	**.00963**	**.01493**	**.00954**	**.01380**	**.07166**	**.00931**	**.02249**	**.01470**
Stddev	.00243	.00219	.00001	.00078	.00002	.00138	.00852	.00011	.00034	.00036
%RSD	.24799	2.1707	.08412	5.2362	.25743	9.9660	11.888	1.1455	1.5246	2.4563
#1	.97857	.09950	.00964	.01548	.00955	.01477	.06564	.00939	.02225	.01495
#2	.98201	.10260	.00962	.01438	.00952	.01283	.07768	.00924	.02273	.01444
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value										
Range										

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**3224.4**	**49894.**	**5232.7**
Stddev	11.7	132.	21.7
%RSD	.36412	.26495	.41541
#1	3216.1	49987.	5217.3
#2	3232.7	49800.	5248.1

Sample Name: 280-28177-g-13-e ms Acquired: 5/3/2012 16:31:33 Type: Unk
Method: 6500_025(v2) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 117381 6010b Q4

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.06463**	**1.6194**	**1.1460**	**3.7949**	**1.9916**	**.04436**	F **2.0998**	**280.44**	**.11176**	**.44482**
Stddev	.00083	.0010	.0088	.0352	.0078	.00011	.0197	1.81	.00074	.00042
%RSD	1.2817	.06331	.76745	.92635	.39138	.24595	.93884	.64506	.66245	.09347
#1	.06521	1.6187	1.1522	3.8198	1.9861	.04428	2.1137	279.16	.11228	.44511
#2	.06404	1.6201	1.1398	3.7701	1.9971	.04443	2.0858	281.72	.11124	.44452
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit							.10000			
Low Limit							-.10000			

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.19204**	**.28998**	**.98859**	W **356.57**	**1.2272**	W **880.96**	**.53253**	**.98171**	W **7793.6**	**.43909**
Stddev	.00115	.00755	.00328	.40	.0089	7.80	.00679	.00412	28.3	.00008
%RSD	.59689	2.6041	.33193	.11084	.72291	.88530	1.2742	.41971	.36318	.01772
#1	.19285	.29532	.99091	356.85	1.2209	886.47	.53733	.98462	7773.6	.43914
#2	.19123	.28464	.98627	356.29	1.2335	875.44	.52774	.97879	7813.7	.43903
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Warn	Chk Pass
High Limit				100.00		500.00			500.00	
Low Limit				-.50000		-.10000			11.000	

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **10.708**	**.42613**	F **686.54**	**.51216**	**2.2577**	**9.5657**	**20.471**	**1.7684**	W **6.1434**	**1.0531**
Stddev	.089	.00211	4.60	.00309	.0187	.0553	.118	.0034	.0236	.0190
%RSD	.82776	.49478	.66974	.60388	.82717	.57799	.57799	.19122	.38471	1.8030
#1	10.771	.42762	689.80	.51435	2.2709	9.5266	20.387	1.7708	6.1601	1.0666
#2	10.646	.42463	683.29	.50998	2.2445	9.6048	20.554	1.7660	6.1267	1.0397
Check ?	Chk Warn	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass
High Limit	2.0000		200.00						5.0000	
Low Limit	-1.0000		-.20000						-.01000	

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.99108**	**1.5424**	**2.1187**	**.51676**	**.45041**	**.48397**
Stddev	.01686	.0088	.0561	.00776	.00155	.00358
%RSD	1.7008	.57311	2.6473	1.5020	.34353	.73964
#1	1.0030	1.5486	2.1583	.52225	.45150	.48143
#2	.97916	1.5361	2.0790	.51128	.44931	.48650
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**2308.7**	**35711.**	**5080.7**
Stddev	2.2	401.	72.1
%RSD	.09729	1.1226	1.4196
#1	2310.3	35427.	5029.7
#2	2307.1	35994.	5131.7

Sample Name: 280-28177-g-13-f msd Acquired: 5/3/2012 16:34:07 Type: Unk
Method: 6500_025(v2) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 117381 6010b Q4

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.06314**	**1.6023**	**1.1483**	**3.8329**	**1.9579**	**.04374**	F **2.1074**	**278.47**	**.11245**	**.44082**
Stddev	.00014	.0038	.0109	.0075	.0021	.00002	.0088	3.91	.00080	.00114
%RSD	.21816	.23616	.94601	.19444	.10717	.04977	.41918	1.4029	.71480	.25800
#1	.06305	1.6049	1.1560	3.8277	1.9564	.04375	2.1012	281.24	.11188	.44162
#2	.06324	1.5996	1.1406	3.8382	1.9594	.04372	2.1137	275.71	.11302	.44001
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit							.10000			
Low Limit							-.10000			

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.19227**	**.28434**	**.94992**	W **353.40**	**1.1990**	W **874.91**	**.52213**	**.98280**	W **7749.0**	**.43590**
Stddev	.00102	.00029	.00226	.24	.0010	3.77	.00199	.00485	4.2	.00137
%RSD	.53114	.10248	.23792	.06886	.08357	.43068	.38090	.49349	.05461	.31487
#1	.19299	.28454	.95152	353.57	1.1983	872.25	.52354	.98623	7746.0	.43687
#2	.19155	.28413	.94832	353.23	1.1997	877.58	.52072	.97938	7752.0	.43493
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Warn	Chk Pass
High Limit				100.00		500.00			500.00	
Low Limit				-.50000		-.10000			11.000	

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **10.644**	**.42396**	F **693.33**	**.51174**	**2.2572**	**9.4579**	**20.240**	**1.7579**	W **6.0479**	**1.0333**
Stddev	.042	.00147	.54	.00011	.0028	.0449	.096	.0053	.2104	.0004
%RSD	.39418	.34641	.07855	.02147	.12366	.47416	.47416	.30162	3.4781	.03665
#1	10.614	.42292	693.71	.51166	2.2552	9.4262	20.172	1.7617	6.1966	1.0330
#2	10.673	.42500	692.94	.51182	2.2591	9.4897	20.308	1.7542	5.8991	1.0335
Check ?	Chk Warn	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass
High Limit	2.0000		200.00						5.0000	
Low Limit	-1.0000		-.20000						-.01000	

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.97390**	**1.5340**	**2.0937**	**.50513**	**.43851**	**.47838**
Stddev	.00360	.0066	.0340	.00111	.00265	.00218
%RSD	.36983	.42763	1.6254	.21897	.60357	.45558
#1	.97645	1.5386	2.0696	.50591	.44038	.47992
#2	.97136	1.5293	2.1177	.50434	.43664	.47684
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**2302.0**	**36006.**	**5006.5**
Stddev	10.6	41.	67.7
%RSD	.46089	.11380	1.3517
#1	2294.5	36035.	4958.7
#2	2309.5	35977.	5054.4

Sample Name: 280-28177-c-14-c Acquired: 5/3/2012 16:36:41 Type: Unk
Method: 6500_025(v2) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 117381 6010b Q4

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00148**	**.00695**	**-.00279**	**2.8958**	**.01696**	**-.00002**	**-.00012**	**242.20**	**.00122**	**-.00005**
Stddev	.00004	.00005	.00064	.0069	.00007	.00004	.00550	.42	.00019	.00007
%RSD	2.6908	.68136	22.943	.23941	.44123	193.14	4472.7	.17156	15.177	139.05
#1	.00145	.00692	-.00234	2.8909	.01690	-.00004	-.00401	241.91	.00135	.00000
#2	.00151	.00698	-.00324	2.9007	.01701	.00001	.00376	242.49	.00109	-.00010
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00105**	**-.00014**	**.01108**	W **301.77**	**.13690**	W **832.00**	**.01765**	**.00932**	W **7722.8**	**.00073**
Stddev	.00004	.00079	.00270	.08	.00075	20.02	.00045	.00041	8.5	.00009
%RSD	3.6537	582.74	24.359	.02755	.54501	2.4067	2.5443	4.3642	.11054	12.456
#1	.00108	-.00069	.01299	301.83	.13742	846.16	.01797	.00903	7728.9	.00067
#2	.00103	.00042	.00918	301.71	.13637	817.84	.01734	.00960	7716.8	.00079
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Warn	Chk Pass
High Limit				100.00		500.00			500.00	
Low Limit				-.50000		-.10000			11.000	

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.03870**	**-.00123**	F **688.52**	**.00044**	**.00551**	**.18215**	**.38980**	**-.00177**	W **5.1813**	**-.00491**
Stddev	.00107	.00048	1.05	.00115	.00693	.01077	.02305	.00111	.0775	.00172
%RSD	2.7772	38.652	.15236	259.80	125.77	5.9136	5.9136	62.552	1.4954	35.019
#1	.03794	-.00090	687.77	-.00037	.01041	.18976	.40610	-.00099	5.2361	-.00369
#2	.03946	-.00157	689.26	.00125	.00061	.17453	.37350	-.00256	5.1265	-.00612
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass
High Limit			200.00						5.0000	
Low Limit			-.20000						-.01000	

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00039**	**.00187**	**.00848**	**.00189**	**.00460**	**-.00121**
Stddev	.00023	.00061	.01923	.00045	.00023	.00184
%RSD	59.348	32.532	226.62	23.997	4.9886	151.80
#1	.00023	.00230	-.00511	.00157	.00477	-.00251
#2	.00055	.00144	.02208	.00221	.00444	.00009
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**2300.3**	**35466.**	**5157.7**
Stddev	6.2	649.	49.7
%RSD	.26806	1.8299	.96317
#1	2304.7	35007.	5192.8
#2	2296.0	35924.	5122.5

Sample Name: 280-28177-c-15-c Acquired: 5/3/2012 16:39:26 Type: Unk
Method: 6500_025(v2) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 117381 6010b Q4

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00103**	**.00618**	**-.00072**	**2.8967**	**.01650**	**.00008**	**.00206**	**235.07**	**.00112**	**-.00017**
Stddev	.00003	.00047	.00143	.0067	.00007	.00003	.00209	4.26	.00017	.00047
%RSD	2.6913	7.6566	199.41	.23177	.43511	33.511	101.10	1.8103	15.131	278.87
#1	.00101	.00585	.00029	2.9015	.01655	.00010	.00059	238.08	.00124	.00017
#2	.00105	.00652	-.00172	2.8920	.01645	.00006	.00354	232.06	.00100	-.00051
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00061**	**-.00048**	**.01182**	W **296.11**	**.13327**	W **810.54**	**.01527**	**.00648**	W **7556.5**	**.00051**
Stddev	.00024	.00007	.00015	.68	.00149	.65	.00013	.00089	13.6	.00023
%RSD	39.274	14.356	1.2385	.22837	1.1151	.08015	.86924	13.774	.18028	46.025
#1	.00078	-.00053	.01172	295.63	.13222	811.00	.01537	.00584	7546.8	.00034
#2	.00044	-.00043	.01193	296.59	.13432	810.09	.01518	.00711	7566.1	.00067
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Warn	Chk Pass
High Limit				100.00		500.00			500.00	
Low Limit				-.50000		-.10000			11.000	

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.03480**	**.00016**	F **686.67**	**.00089**	**.00434**	**.16391**	**.35077**	**-.00341**	W **5.0418**	**-.00517**
Stddev	.00234	.00064	2.63	.00314	.00091	.00574	.01228	.00248	.0176	.00307
%RSD	6.7364	406.78	.38297	351.77	21.035	3.5017	3.5017	72.647	.34815	59.337
#1	.03315	-.00030	688.53	-.00133	.00369	.16797	.35945	-.00516	5.0542	-.00300
#2	.03646	.00061	684.81	.00311	.00498	.15985	.34208	-.00166	5.0294	-.00734
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass
High Limit			200.00						5.0000	
Low Limit			-.20000						-.01000	

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00047**	**.00063**	**-.02565**	**.00166**	**.00275**	**.00064**
Stddev	.00015	.00043	.02404	.00008	.00017	.00144
%RSD	32.120	68.859	93.735	4.9132	6.0080	223.82
#1	.00036	.00093	-.04265	.00172	.00263	.00166
#2	.00058	.00032	-.00865	.00161	.00287	-.00038
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**2311.8**	**36375.**	**5129.7**
Stddev	1.0	245.	70.8
%RSD	.04193	.67252	1.3795
#1	2312.5	36202.	5079.7
#2	2311.2	36548.	5179.8

Sample Name: 280-28177-c-16-c Acquired: 5/3/2012 16:42:11 Type: Unk
Method: 6500_025(v2) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 117381 6010b Q4

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00086**	**.00671**	**-.00709**	**2.9451**	**.01670**	**.00001**	**.00218**	**233.42**	**.00112**	**-.00013**
Stddev	.00016	.00038	.00084	.0044	.00021	.00004	.00068	1.68	.00001	.00020
%RSD	18.152	5.6193	11.847	.15082	1.2570	661.46	31.439	.71865	.72818	152.69
#1	.00075	.00644	-.00650	2.9483	.01655	-.00002	.00266	232.23	.00112	-.00027
#2	.00097	.00698	-.00769	2.9420	.01685	.00003	.00169	234.60	.00111	.00001
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00094**	**-.00052**	**.02128**	W **296.43**	**.13364**	W **816.37**	**.01851**	**.00707**	W **7605.3**	**.00070**
Stddev	.00055	.00032	.00184	.61	.00103	1.23	.00011	.00004	24.6	.00023
%RSD	57.973	62.670	8.6658	.20727	.77410	.15009	.60364	.52487	.32327	32.935
#1	.00056	-.00029	.02258	295.99	.13437	817.24	.01843	.00705	7587.9	.00087
#2	.00133	-.00075	.01997	296.86	.13291	815.51	.01859	.00710	7622.7	.00054
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Warn	Chk Pass
High Limit				100.00		500.00			500.00	
Low Limit				-.50000		-.10000			11.000	

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.03634**	**.00009**	F **696.70**	**-.00208**	W **-.00521**	**.17773**	**.38034**	**-.00239**	W **5.0877**	**-.00430**
Stddev	.00454	.00051	.10	.00002	.00229	.00585	.01251	.00046	.0262	.00086
%RSD	12.489	553.21	.01397	1.1530	43.980	3.2893	3.2893	19.363	.51560	20.079
#1	.03955	-.00027	696.77	-.00210	-.00683	.18186	.38919	-.00271	5.0692	-.00491
#2	.03313	.00045	696.63	-.00206	-.00359	.17360	.37150	-.00206	5.1063	-.00369
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass
High Limit			200.00		5.0000				5.0000	
Low Limit			-.20000		-.00500				-.01000	

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00051**	**-.00071**	**.00137**	**.00174**	**.00409**	**-.00012**
Stddev	.00014	.00165	.01200	.00060	.00019	.00122
%RSD	27.353	232.90	873.68	34.733	4.5653	998.81
#1	.00060	.00046	.00986	.00131	.00423	-.00099
#2	.00041	-.00187	-.00711	.00217	.00396	.00074
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**2310.4**	**36241.**	**5291.0**
Stddev	11.3	38.	81.5
%RSD	.49063	.10522	1.5413
#1	2318.5	36214.	5233.3
#2	2302.4	36268.	5348.7

Sample Name: 280-28177-c-17-c Acquired: 5/3/2012 16:44:56 Type: Unk
Method: 6500_025(v2) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 117381 6010b Q4

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00071**	**.01125**	**-.00751**	**2.9847**	**.01793**	**.00005**	**-.00373**	**241.56**	**.00120**	**-.00062**
Stddev	.00042	.00100	.00401	.0228	.00010	.00006	.00016	10.61	.00013	.00018
%RSD	59.886	8.9018	53.427	.76468	.57492	121.43	4.3741	4.3909	10.902	28.289
#1	.00101	.01054	-.00467	3.0009	.01801	.00001	-.00362	234.06	.00130	-.00074
#2	.00041	.01196	-.01034	2.9686	.01786	.00009	-.00385	249.06	.00111	-.00050
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00111**	**.01943**	**.01640**	W **306.62**	**.13724**	W **842.39**	**.02259**	**.00713**	W **7863.5**	**.00081**
Stddev	.00009	.00022	.00127	.72	.00246	1.79	.00012	.00006	23.9	.00016
%RSD	7.9546	1.1455	7.7227	.23343	1.7893	.21260	.54652	.83758	.30389	19.332
#1	.00117	.01927	.01729	307.12	.13897	843.66	.02250	.00709	7880.4	.00070
#2	.00105	.01959	.01550	306.11	.13550	841.12	.02268	.00717	7846.6	.00092
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Warn	Chk Pass
High Limit				100.00		500.00			500.00	
Low Limit				-.50000		-.10000			11.000	

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.04589**	**-.00003**	F **704.68**	**.00077**	**.00338**	**.16245**	**.34765**	**-.00237**	W **5.2921**	**-.00645**
Stddev	.00298	.00094	5.75	.00487	.00071	.00584	.01250	.00060	.0458	.00026
%RSD	6.4992	3327.4	.81606	630.15	20.908	3.5964	3.5964	25.189	.86605	3.9654
#1	.04378	.00063	708.75	-.00267	.00388	.16658	.35649	-.00194	5.2597	-.00663
#2	.04800	-.00069	700.62	.00422	.00288	.15832	.33881	-.00279	5.3245	-.00627
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass
High Limit			200.00						5.0000	
Low Limit			-.20000						-.01000	

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00020**	**.00095**	**-.00722**	**.00222**	**.01161**	**-.00090**
Stddev	.00028	.00197	.01486	.00004	.00083	.00074
%RSD	140.81	208.50	205.95	1.7346	7.1882	82.619
#1	.00000	.00234	.00329	.00225	.01102	-.00143
#2	.00039	-.00045	-.01773	.00219	.01220	-.00037
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**2294.4**	**35443.**	**5306.9**
Stddev	16.5	115.	63.7
%RSD	.72086	.32562	1.1998
#1	2282.7	35525.	5352.0
#2	2306.1	35361.	5261.9

Sample Name: 280-28177-c-18-c Acquired: 5/3/2012 16:47:41 Type: Unk
Method: 6500_025(v2) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 117381 6010b Q4

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00123**	**.00396**	**-.00122**	**.00518**	**.00056**	**.00005**	**.00018**	**.09760**	**-.00003**	**.00019**
Stddev	.00014	.00007	.00040	.00028	.00016	.00004	.00133	.00399	.00025	.00013
%RSD	11.709	1.8857	32.995	5.3367	29.015	81.226	721.70	4.0925	749.90	65.190
#1	.00133	.00402	-.00093	.00537	.00044	.00007	-.00076	.10042	.00014	.00011
#2	.00113	.00391	-.00150	.00498	.00067	.00002	.00113	.09477	-.00021	.00028
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00076**	**.00054**	**.01646**	**.60244**	**.00390**	**.01804**	**.00138**	**-.00008**	**2.5732**	**.00063**
Stddev	.00020	.00010	.00014	.07401	.00025	.00038	.00004	.00004	.2086	.00002
%RSD	26.593	18.582	.84593	12.284	6.3575	2.1246	2.9445	51.926	8.1053	2.7569
#1	.00090	.00047	.01637	.65477	.00372	.01831	.00141	-.00011	2.7207	.00061
#2	.00061	.00061	.01656	.55011	.00408	.01777	.00135	-.00005	2.4257	.00064
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00179**	**-.00083**	**.11788**	**-.00161**	**-.00054**	**.01582**	**.03387**	**-.00100**	**.00032**	**.00152**
Stddev	.00153	.00004	.00059	.00069	.00380	.01291	.02762	.00072	.00007	.00061
%RSD	85.254	4.8785	.50072	43.212	700.39	81.553	81.553	72.112	22.125	39.899
#1	.00287	-.00085	.11746	-.00112	.00214	.02495	.05339	-.00049	.00037	.00109
#2	.00071	-.00080	.11830	-.00210	-.00323	.00670	.01434	-.00151	.00027	.00195
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00016**	**-.00231**	**-.01167**	**-.00062**	**.00652**	**-.00035**
Stddev	.00021	.00082	.00383	.00027	.00135	.00217
%RSD	131.35	35.329	32.809	43.429	20.782	628.73
#1	.00030	-.00174	-.00896	-.00081	.00556	.00119
#2	.00001	-.00289	-.01438	-.00043	.00748	-.00188
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**3422.7**	**53707.**	**5927.9**
Stddev	11.0	168.	26.2
%RSD	.32075	.31323	.44263
#1	3414.9	53826.	5946.5
#2	3430.5	53588.	5909.4

Sample Name: CCVH-1390999 Acquired: 5/3/2012 16:50:05 Type: QC
Method: 6500_025(v2) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2714
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00092**	**46.911**	**.00061**	**.00552**	**.00035**	**-.00002**	**.96082**	**.02861**	**.00006**	**.00063**	**.00049**	**-.00544**	**47.317**
Stddev	.00014	.054	.00145	.00096	.00004	.00003	.01227	.00206	.00009	.00005	.00002	.00008	.028
%RSD	14.918	.11591	236.36	17.377	10.934	148.41	1.2772	7.2062	158.86	8.1595	3.5112	1.5383	.05836
#1	-.00101	46.949	.00164	.00484	.00032	.00000	.95214	.03007	-.00001	.00066	.00050	-.00549	47.336
#2	-.00082	46.872	-.00041	.00620	.00038	-.00005	.96950	.02715	.00012	.00059	.00048	-.00538	47.297
Check ?	None	Chk Pass	None	None	None	None	Chk Pass	None	None	None	None	None	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.22588**	**.00162**	**-.03109**	**.00012**	**-.00052**	**236.55**	**.00183**	**.00610**	**-.00028**	**4.8853**	**-.00061**	**-.00038**	**.03358**
Stddev	.00489	.00005	.00157	.00003	.00013	.78	.00001	.00081	.00004	.0417	.00171	.00078	.01369
%RSD	2.1640	3.0524	5.0452	26.931	26.109	.33103	.32266	13.277	16.222	.85313	279.93	205.99	40.773
#1	.22933	.00158	-.03219	.00010	-.00042	237.11	.00184	.00552	-.00031	4.8558	-.00182	-.00093	.04326
#2	.22242	.00165	-.02998	.00015	-.00061	236.00	.00183	.00667	-.00024	4.9147	.00060	.00017	.02390
Check ?	None	None	None	None	None	Chk Pass	None	None	None	Chk Pass	None	None	None
Value													
Range													

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.07185**	**.00129**	**.00033**	**5.0575**	**.00883**	**-.00286**	**10.403**	**-.00516**	**.00224**	**-.06105**
Stddev	.02930	.00041	.00002	.0856	.00027	.00003	.135	.00024	.00032	.00342
%RSD	40.773	32.169	5.9307	1.6928	3.0779	1.2157	1.2970	4.6191	14.110	5.6032
#1	.09257	.00158	.00031	5.1181	.00902	-.00289	10.499	-.00533	.00247	-.06347
#2	.05114	.00100	.00034	4.9970	.00863	-.00284	10.308	-.00499	.00202	-.05864
Check ?	None	None	None	Chk Pass	None	None	Chk Pass	None	None	None
Value										
Range										

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**3281.4**	**50996.**	**5902.6**
Stddev	26.7	735.	48.3
%RSD	.81350	1.4422	.81912
#1	3300.3	50476.	5936.7
#2	3262.6	51517.	5868.4

Sample Name: CCV-1390955 Acquired: 5/3/2012 16:52:26 Type: QC
Method: 6500_025(v2) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.51389**	**.48052**	**1.0015**	**.47548**	**.49266**	**.45450**	**-.00305**	**4.5978**	**.49698**	**.49727**	**.50464**	**.53032**	**2.4814**
Stddev	.00253	.00202	.0095	.00088	.00123	.00074	.00085	.0011	.00187	.00080	.00211	.00350	.0071
%RSD	.49291	.41948	.95392	.18461	.24970	.16252	28.043	.02321	.37581	.16177	.41739	.66044	.28473
#1	.51210	.48194	1.0083	.47610	.49179	.45398	-.00244	4.5971	.49830	.49784	.50613	.52784	2.4764
#2	.51568	.47909	.99479	.47486	.49353	.45503	-.00365	4.5986	.49566	.49670	.50315	.53279	2.4864
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**48.708**	**.94897**	**19.688**	**.51547**	**.50719**	**5.1025**	**.49508**	**.91096**	**1.0343**	**.06109**	**.95431**	**1.0014**	**4.5701**
Stddev	.131	.00153	.051	.00190	.00276	.0009	.00175	.00443	.0010	.00337	.00639	.0110	.0308
%RSD	.26922	.16167	.25919	.36861	.54407	.01681	.35266	.48659	.09512	5.5182	.66925	1.0978	.67352
#1	48.616	.94789	19.652	.51413	.50914	5.1031	.49632	.91409	1.0350	.06347	.95882	1.0092	4.5483
#2	48.801	.95005	19.724	.51682	.50524	5.1019	.49385	.90782	1.0336	.05870	.94979	.99366	4.5919
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**9.7800**	**1.0080**	**.48430**	**.00095**	**.49344**	**1.0139**	**.00437**	**.50363**	**.47048**	**.49459**
Stddev	.0659	.0062	.00249	.00142	.00318	.0025	.01160	.00147	.00158	.00130
%RSD	.67352	.61142	.51323	149.94	.64385	.25060	265.57	.29165	.33681	.26304
#1	9.7334	1.0124	.48254	.00195	.49119	1.0157	-.00383	.50260	.46936	.49367
#2	9.8266	1.0036	.48606	-.00006	.49569	1.0121	.01257	.50467	.47160	.49551
Check ?	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value										
Range										

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**3379.6**	**53122.**	**5978.6**
Stddev	8.1	8.	16.1
%RSD	.24012	.01595	.26997
#1	3373.9	53128.	5967.2
#2	3385.3	53116.	5990.1

Sample Name: CCB Acquired: 5/3/2012 16:54:39 Type: QC
Method: 6500_025(v2) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00064**	**-.00080**	W **-.00480**	**.00262**	**.00027**	**.00002**	**-.00337**	**-.00463**	**.00001**	**-.00003**	**-.00008**
Stddev	.00021	.00082	.00208	.00002	.00016	.00003	.00155	.00116	.00014	.00032	.00019
%RSD	33.097	102.27	43.347	.91605	59.493	148.00	46.042	24.955	2336.9	931.51	242.22
#1	.00049	-.00139	-.00627	.00260	.00038	.00005	-.00227	-.00545	.00010	.00019	.00006
#2	.00079	-.00022	-.00333	.00263	.00015	.00000	-.00447	-.00382	-.00009	-.00026	-.00022
Check ?	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit			.00441								
Low Limit			-.00441								

Elem	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00122**	**.00245**	**.06779**	W **.00295**	**.00127**	**.00003**	**.00079**	F **.62132**	**-.00024**	**.00021**	**-.00028**
Stddev	.00027	.00130	.03843	.00094	.00294	.00003	.00020	.01836	.00013	.00283	.00185
%RSD	21.815	53.083	56.697	31.689	232.23	106.05	25.473	2.9551	52.031	1320.8	669.39
#1	-.00104	.00153	.04061	.00229	.00334	.00005	.00065	.63431	-.00033	.00222	.00103
#2	-.00141	.00337	.09496	.00361	-.00081	.00001	.00093	.60834	-.00015	-.00179	-.00158
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit				.00261				.18320			
Low Limit				-.00261				-.18320			

Elem	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.04487**	**.00196**	**.00022**	**.02054**	**.04396**	**-.00009**	**.00007**	**.00073**	**.00000**	**-.00260**	**.01562**
Stddev	.00223	.00327	.00481	.00091	.00194	.00002	.00004	.00112	.00021	.00116	.01483
%RSD	4.9745	166.42	2232.7	4.4189	4.4189	23.068	54.960	154.30	18438.	44.554	94.925
#1	.04645	.00427	.00362	.01990	.04259	-.00008	.00004	-.00007	.00015	-.00343	.02611
#2	.04329	-.00035	-.00319	.02119	.04534	-.00011	.00010	.00152	-.00015	-.00178	.00514
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit											
Low Limit											

Elem	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm
Avg	**-.00045**	**.00257**	**.00120**
Stddev	.00020	.00053	.00047
%RSD	45.227	20.480	39.428
#1	-.00030	.00219	.00087
#2	-.00059	.00294	.00153
Check ?	Chk Pass	Chk Pass	Chk Pass
High Limit			
Low Limit			

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**3402.3**	**53713.**	**5916.3**
Stddev	.4	448.	33.1
%RSD	.01202	.83450	.55945
#1	3402.0	54030.	5939.7
#2	3402.5	53396.	5892.9

Sample Name: CCVL1397430 Acquired: 5/3/2012 16:57:05 Type: QC
Method: 6500_025(v2) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01095**	**.09743**	**.01448**	**.09301**	**.01005**	**.00092**	**.10252**	**.18310**	**.00512**	**.01007**	**.01020**	**.01509**	**.09913**
Stddev	.00053	.00111	.00338	.00061	.00006	.00011	.00094	.00212	.00004	.00018	.00018	.00034	.00147
%RSD	4.8775	1.1361	23.336	.65956	.62251	12.230	.91385	1.1573	.76618	1.7962	1.7524	2.2644	1.4838
#1	.01133	.09664	.01687	.09344	.01010	.00084	.10318	.18460	.00515	.00994	.01033	.01534	.09809
#2	.01058	.09821	.01209	.09258	.01001	.00100	.10186	.18160	.00510	.01019	.01008	.01485	.10017
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**3.0241**	**.01061**	**.20064**	**.01055**	**.01973**	F **1.5157**	**.04003**	**2.5999**	**.01025**	**.05345**	**.00894**	F **.00891**	**.47312**
Stddev	.0542	.00015	.00085	.00009	.00044	.0063	.00003	.0042	.00001	.00227	.00135	.00216	.00860
%RSD	1.7932	1.4462	.42602	.85304	2.2530	.41485	.08503	.16092	.12628	4.2449	15.104	24.281	1.8174
#1	2.9858	.01050	.20004	.01049	.02004	1.5202	.04001	2.5970	.01026	.05506	.00989	.01044	.46704
#2	3.0625	.01072	.20124	.01061	.01941	1.5113	.04006	2.6029	.01024	.05185	.00798	.00738	.47920
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Fail	Chk Pass
Value						1.0000						.01500	
Range						30.000%						-30.000%	

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.0125**	**.10071**	**.00971**	**.01525**	**.00956**	**.01301**	F **.07957**	**.00920**	**.02216**	**.01567**
Stddev	.0184	.00016	.00003	.00085	.00007	.00070	.00596	.00028	.00009	.00159
%RSD	1.8174	.15844	.29661	5.5727	.70113	5.3455	7.4920	3.0193	.38554	10.133
#1	.99946	.10059	.00973	.01465	.00951	.01350	.07535	.00901	.02222	.01680
#2	1.0255	.10082	.00969	.01585	.00961	.01252	.08379	.00940	.02210	.01455
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
Value							.06000			
Range							30.000%			

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**3428.7**	**53767.**	**5958.7**
Stddev	3.6	80.	55.6
%RSD	.10462	.14917	.93384
#1	3426.2	53824.	5998.1
#2	3431.3	53710.	5919.4

Sample Name: mb 280-117243/1-a Acquired: 5/3/2012 16:59:28 Type: Unk
Method: 6500_025(v2) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 117243 6010B Q4

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00110**	**.00130**	**-.00331**	**.00175**	**.00022**	**.00002**	**-.00520**	**.00704**	**.00021**	**.00006**
Stddev	.00006	.00026	.00132	.00058	.00013	.00005	.00172	.00251	.00008	.00019
%RSD	5.7838	19.623	39.843	33.134	60.612	318.17	33.071	35.708	38.984	334.44
#1	.00106	.00148	-.00238	.00216	.00012	-.00002	-.00641	.00882	.00016	.00019
#2	.00115	.00112	-.00424	.00134	.00031	.00005	-.00398	.00526	.00027	-.00008
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00002**	**-.00071**	**.00553**	**.11775**	**.00165**	**.00373**	**.00108**	**.00002**	W **.56064**	**.00036**
Stddev	.00011	.00033	.00177	.00453	.00005	.00187	.00002	.00037	.00546	.00011
%RSD	659.22	47.427	32.064	3.8471	2.9259	50.280	1.7103	2243.4	.97340	32.066
#1	.00010	-.00094	.00427	.12095	.00169	.00505	.00106	-.00024	.56450	.00044
#2	-.00006	-.00047	.00678	.11455	.00162	.00240	.00109	.00027	.55678	.00028
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass
High Limit									.50000	
Low Limit									-.50000	

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00006**	**.00088**	F **.04664**	**-.00018**	**-.00359**	F **.02252**	**.04820**	**-.00102**	**.00002**	**.00130**
Stddev	.00469	.00047	.00214	.00024	.00171	.00744	.01592	.00017	.00002	.00116
%RSD	7687.6	53.056	4.5812	132.47	47.595	33.031	33.031	16.653	100.20	89.631
#1	.00326	.00055	.04513	-.00001	-.00238	.02778	.05945	-.00115	.00003	.00047
#2	-.00338	.00121	.04815	-.00035	-.00480	.01726	.03694	-.00090	.00001	.00212
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Fail	None	Chk Pass	Chk Pass	Chk Pass
High Limit			.01000			.01000				
Low Limit			-.01000			-.01000				

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00005**	**-.00078**	**-.01254**	**-.00065**	**.00307**	**-.00053**
Stddev	.00024	.00058	.00806	.00026	.00042	.00224
%RSD	475.10	75.396	64.223	40.262	13.556	421.72
#1	.00012	-.00036	-.01824	-.00047	.00336	.00105
#2	-.00022	-.00119	-.00685	-.00084	.00277	-.00211
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**3409.8**	**54001.**	**5916.3**
Stddev	21.7	153.	14.0
%RSD	.63729	.28402	.23706
#1	3394.4	54110.	5906.4
#2	3425.1	53893.	5926.3

Sample Name: lcs 280-117243/2-a Acquired: 5/3/2012 17:01:53 Type: Unk
Method: 6500_025(v2) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 117243 6010B Q4

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.05210**	**1.8084**	**.99167**	**.92920**	**1.9654**	**.04665**	**1.9988**	**45.478**	**.09806**	**.48251**
Stddev	.00097	.0061	.00890	.00097	.0010	.00026	.0086	.030	.00034	.00168
%RSD	1.8602	.33940	.89739	.10394	.04811	.55477	.43088	.06554	.34524	.34892
#1	.05278	1.8041	.98538	.92852	1.9661	.04683	1.9927	45.499	.09782	.48132
#2	.05141	1.8128	.99797	.92989	1.9647	.04647	2.0049	45.457	.09830	.48371
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.19955**	**.26282**	**1.0163**	**49.221**	**.95757**	**48.911**	**.51973**	**1.0076**	**50.448**	**.48132**
Stddev	.00038	.00039	.0024	.088	.00186	.012	.00090	.0003	.013	.00166
%RSD	.18861	.14743	.24145	.17928	.19406	.02491	.17325	.02903	.02481	.34457
#1	.19929	.26254	1.0180	49.283	.95888	48.919	.52037	1.0074	50.457	.48014
#2	.19982	.26309	1.0145	49.158	.95626	48.902	.51910	1.0078	50.439	.48249
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**9.2047**	**.48943**	**.05495**	**.46510**	**1.9791**	F **9.1956**	F **19.679**	**1.9793**	**.98220**	**1.0451**
Stddev	.0512	.00289	.00123	.00433	.0012	.0220	.047	.0053	.00076	.0000
%RSD	.55642	.59100	2.2434	.93035	.05921	.23940	.23940	.26693	.07783	.00035
#1	9.1685	.48738	.05408	.46205	1.9800	9.1801	19.645	1.9755	.98274	1.0451
#2	9.2409	.49147	.05582	.46816	1.9783	9.2112	19.712	1.9830	.98166	1.0451
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Fail	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit						11.500	24.610			
Low Limit						9.4000	20.100			

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.99599**	**1.9682**	**2.2200**	**.50959**	**.48446**	**.48685**
Stddev	.00175	.0032	.0021	.00013	.00068	.00115
%RSD	.17588	.16456	.09293	.02622	.14044	.23527
#1	.99475	1.9659	2.2185	.50969	.48494	.48766
#2	.99722	1.9705	2.2214	.50950	.48398	.48604
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**3264.9**	**50865.**	**5835.2**
Stddev	11.3	20.	19.0
%RSD	.34726	.03965	.32637
#1	3256.8	50851.	5821.8
#2	3272.9	50879.	5848.7

Sample Name: 280-28177-b-1-a Acquired: 5/3/2012 17:04:03 Type: Unk
Method: 6500_025(v2) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 117243 6010B Q4

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00017**	**1.9830**	**.04576**	**.00652**	**.76084**	**.01792**	**.00002**	**28.647**	**-.00040**	**.00237**
Stddev	.00004	.0037	.00041	.00055	.00177	.00010	.00051	.108	.00012	.00001
%RSD	24.777	.18425	.89736	8.3936	.23296	.53561	3113.4	.37675	29.231	.60937
#1	.00021	1.9855	.04547	.00691	.75959	.01799	.00038	28.571	-.00048	.00236
#2	.00014	1.9804	.04605	.00613	.76210	.01785	-.00035	28.723	-.00032	.00238
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Na8183
Line	205.552 {464}	324.754 {104}	271.441 {124}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	818.326 { 41}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00379**	**.00503**	**327.46**	**2.0108**	**.00655**	**7.3074**	**.31965**	**.00454**	W **10.674**	**12.996**
Stddev	.00015	.00009	.48	.0095	.00090	.0139	.00115	.00048	.061	.050
%RSD	3.8828	1.7876	.14648	.47234	13.695	.19035	.36022	10.573	.57011	.38206
#1	.00390	.00497	327.12	2.0175	.00719	7.3173	.32047	.00420	10.631	13.031
#2	.00369	.00509	327.80	2.0041	.00592	7.2976	.31884	.00488	10.717	12.961
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass
High Limit									10.500	
Low Limit									-.50000	

Elem	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077
Line	231.604 {446}	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01182**	W **29.562**	**.00118**	**14.235**	**.00216**	**.00959**	**20.170**	**43.164**	**.00231**	**.43006**
Stddev	.00012	.025	.00139	.009	.00103	.00388	.077	.165	.00121	.00147
%RSD	1.0287	.08306	117.27	.06575	47.735	40.443	.38114	.38114	52.450	.34207
#1	.01190	29.544	.00217	14.241	.00143	.01234	20.116	43.047	.00316	.42902
#2	.01173	29.579	.00020	14.228	.00289	.00685	20.224	43.280	.00145	.43110
Check ?	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit		2.0000								
Low Limit		-1.0000								

Elem	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	283.730 {119}	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00354**	**.00612**	**-.00170**	**-.04029**	**.00514**	**.06240**	**.00099**
Stddev	.00065	.00025	.00124	.01180	.00009	.00007	.00096
%RSD	18.263	4.0425	73.278	29.283	1.7558	.10657	96.812
#1	-.00400	.00594	-.00082	-.04863	.00507	.06244	.00167
#2	-.00309	.00629	-.00257	-.03195	.00520	.06235	.00031
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**3875.1**	**60713.**	**6901.7**
Stddev	2.0	58.	35.2
%RSD	.05164	.09613	.51034
#1	3873.7	60672.	6926.6
#2	3876.5	60754.	6876.7

Sample Name: 280-28177-b-2-a Acquired: 5/3/2012 17:06:24 Type: Unk
Method: 6500_025(v2) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 117243 6010B Q4

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00002**	**1.7894**	**.03742**	**.00672**	**.66126**	**.01540**	**-.00217**	**28.402**	**-.00034**	**.00208**
Stddev	.00012	.0163	.00192	.00043	.00243	.00010	.00044	.165	.00001	.00000
%RSD	557.05	.91105	5.1248	6.3317	.36783	.65938	20.280	.57972	2.5848	.18874
#1	-.00011	1.8009	.03606	.00641	.65954	.01533	-.00248	28.285	-.00035	.00208
#2	.00007	1.7778	.03877	.00702	.66298	.01547	-.00186	28.518	-.00033	.00208
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	271.441 {124}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00358**	**.00430**	**288.40**	**2.0572**	**.00612**	**7.3842**	**.31193**	**.00315**	**13.237**	**.01191**
Stddev	.00006	.00003	.60	.0403	.00098	.0189	.00053	.00031	.368	.00045
%RSD	1.5462	.62827	.20926	1.9602	16.005	.25597	.17110	9.9234	2.7773	3.7918
#1	.00354	.00432	287.98	2.0857	.00681	7.3709	.31155	.00293	12.977	.01223
#2	.00362	.00428	288.83	2.0287	.00543	7.3976	.31231	.00337	13.497	.01159
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **27.612**	**-.00002**	**16.460**	**.00279**	**.01045**	**18.902**	**40.450**	**.00036**	**.41770**	**-.00375**
Stddev	.134	.00106	.083	.00102	.00309	.092	.197	.00094	.00090	.00196
%RSD	.48489	5533.0	.50124	36.609	29.550	.48630	.48630	264.22	.21558	52.244
#1	27.706	-.00077	16.518	.00352	.00826	18.837	40.311	-.00031	.41706	-.00237
#2	27.517	.00073	16.401	.00207	.01263	18.967	40.589	.00103	.41833	-.00514
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	2.0000									
Low Limit	-1.0000									

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00732**	**-.00380**	**-.01986**	**.00522**	**.05774**	**.00316**
Stddev	.00143	.00041	.00188	.00001	.00142	.00056
%RSD	19.536	10.788	9.4631	.25721	2.4676	17.859
#1	.00833	-.00409	-.02119	.00523	.05673	.00356
#2	.00631	-.00351	-.01853	.00521	.05875	.00276
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**3796.9**	**59472.**	**6810.7**
Stddev	9.4	275.	24.9
%RSD	.24882	.46306	.36604
#1	3790.2	59667.	6828.3
#2	3803.5	59278.	6793.1

Sample Name: 280-28177-b-10-a Acquired: 5/3/2012 17:08:42 Type: Unk
Method: 6500_025(v2) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 117243 6010B Q4

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00096**	**1.2787**	**.00389**	**.01350**	**.13120**	**.00245**	**-.00224**	**16.331**	**-.00004**	**.00071**
Stddev	.00018	.0076	.00048	.00003	.00049	.00001	.00089	.086	.00008	.00009
%RSD	18.877	.59658	12.348	.23053	.37586	.55591	39.914	.52535	202.67	12.974
#1	.00083	1.2841	.00355	.01352	.13154	.00244	-.00161	16.392	-.00010	.00064
#2	.00109	1.2733	.00423	.01347	.13085	.00246	-.00287	16.271	.00002	.00077
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	271.441 {124}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00157**	**.00172**	**46.013**	**.93094**	**.00204**	**2.4699**	**.06435**	**.00022**	**7.5628**	**.00241**
Stddev	.00009	.00009	.075	.01233	.00307	.0085	.00026	.00003	.0379	.00023
%RSD	5.4169	4.9829	.16212	1.3245	150.31	.34540	.39742	13.618	.50172	9.4603
#1	.00163	.00166	46.066	.92223	.00421	2.4760	.06453	.00020	7.5896	.00258
#2	.00151	.00178	45.960	.93966	-.00013	2.4639	.06416	.00024	7.5359	.00225
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **4.3611**	**-.00036**	**14.945**	**.00083**	**-.00218**	**4.9718**	**10.640**	**.00076**	**.09650**	**-.00005**
Stddev	.0359	.00033	.100	.00027	.00608	.0231	.050	.00122	.00045	.00078
%RSD	.82248	91.531	.67086	32.132	278.40	.46521	.46521	160.11	.46265	1497.5
#1	4.3865	-.00060	15.016	.00064	.00212	4.9881	10.675	-.00010	.09682	-.00060
#2	4.3357	-.00013	14.874	.00102	-.00649	4.9554	10.605	.00163	.09619	.00050
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	2.0000									
Low Limit	-1.0000									

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00505**	**-.00149**	**-.01628**	**.00138**	**.02336**	**.00152**
Stddev	.00045	.00094	.00569	.00000	.00023	.00079
%RSD	8.9441	63.273	34.986	.06852	.97021	52.192
#1	.00537	-.00216	-.02030	.00138	.02319	.00096
#2	.00473	-.00082	-.01225	.00138	.02352	.00208
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**3430.1**	**53919.**	**6026.6**
Stddev	12.8	85.	58.5
%RSD	.37202	.15828	.97094
#1	3421.0	53859.	5985.2
#2	3439.1	53979.	6068.0

Sample Name: 280-28177-b-11-a Acquired: 5/3/2012 17:11:02 Type: Unk
Method: 6500_025(v2) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 117243 6010B Q4

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00059**	**.06494**	**-.00502**	**2.9868**	**.01857**	**.00002**	**-.00287**	**244.07**	**.00129**	**-.00038**
Stddev	.00004	.00029	.00834	.0082	.00043	.00000	.00351	1.93	.00003	.00005
%RSD	7.5598	.45181	166.12	.27520	2.3351	22.344	122.50	.79230	2.2766	14.526
#1	.00056	.06515	.00088	2.9810	.01826	.00003	-.00038	242.70	.00127	-.00034
#2	.00062	.06473	-.01092	2.9926	.01887	.00002	-.00535	245.43	.00131	-.00042
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00098**	**.01027**	**.10555**	W **308.65**	**.15102**	W **839.07**	**.02467**	**.00729**	W **7964.5**	**.00018**
Stddev	.00030	.00043	.00248	1.41	.00185	1.97	.00030	.00006	36.3	.00056
%RSD	31.006	4.2161	2.3501	.45536	1.2231	.23440	1.2028	.87021	.45619	316.46
#1	.00120	.01057	.10380	307.66	.15233	837.68	.02488	.00725	7938.8	-.00022
#2	.00077	.00996	.10731	309.65	.14972	840.46	.02446	.00734	7990.2	.00058
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Warn	Chk Pass
High Limit				100.00		500.00			500.00	
Low Limit				-.50000		-.10000			11.000	

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.05381**	**.00174**	F **707.46**	**.00267**	**-.00028**	**.28053**	**.60033**	**-.00218**	W **5.3420**	**-.00598**
Stddev	.00460	.00132	3.36	.00319	.00219	.00372	.00796	.00133	.0268	.00067
%RSD	8.5555	75.682	.47479	119.44	778.18	1.3254	1.3254	60.873	.50230	11.192
#1	.05056	.00081	705.08	.00041	-.00183	.28316	.60596	-.00312	5.3610	-.00550
#2	.05707	.00268	709.83	.00492	.00127	.27790	.59470	-.00124	5.3230	-.00645
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass
High Limit			200.00						5.0000	
Low Limit			-.20000						-.01000	

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00068**	**-.00289**	**-.01664**	**.00210**	**.00734**	**-.00052**
Stddev	.00012	.00014	.00536	.00079	.00010	.00020
%RSD	17.312	4.9781	32.180	37.527	1.3700	38.380
#1	.00076	-.00299	-.02043	.00266	.00727	-.00067
#2	.00059	-.00279	-.01286	.00154	.00741	-.00038
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**2245.7**	**35073.**	**5239.3**
Stddev	16.2	146.	39.2
%RSD	.72110	.41748	.74783
#1	2257.1	34969.	5267.0
#2	2234.2	35176.	5211.6

Sample Name: 280-28177-b-12-a Acquired: 5/3/2012 17:13:48 Type: Unk
Method: 6500_025(v2) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 117243 6010B Q4

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00076**	**.23165**	**-.00672**	**2.9462**	**.01794**	**.00010**	**.00155**	**244.54**	**.00133**	**-.00028**
Stddev	.00020	.00020	.00403	.0060	.00004	.00002	.00177	.95	.00009	.00029
%RSD	26.842	.08830	59.982	.20548	.24404	21.416	113.88	.38973	6.6043	103.04
#1	.00061	.23180	-.00956	2.9505	.01797	.00009	.00030	245.22	.00127	-.00008
#2	.00090	.23151	-.00387	2.9420	.01791	.00012	.00281	243.87	.00139	-.00049
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00296**	**.02577**	**.27953**	W **308.79**	**.14112**	W **835.59**	**.02471**	**.00675**	W **7892.8**	**.00124**
Stddev	.00007	.00049	.00171	1.65	.00107	4.63	.00015	.00033	35.8	.00034
%RSD	2.3556	1.8940	.61089	.53591	.76159	.55414	.59114	4.9208	.45383	27.737
#1	.00301	.02611	.27832	309.96	.14036	838.87	.02481	.00698	7918.1	.00148
#2	.00291	.02542	.28074	307.62	.14188	832.32	.02461	.00651	7867.5	.00100
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Warn	Chk Pass
High Limit				100.00		500.00			500.00	
Low Limit				-.50000		-.10000			11.000	

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.08043**	**-.00136**	F **697.46**	**-.00200**	**.00526**	**.49117**	**1.0511**	**-.00177**	W **5.2998**	**-.00551**
Stddev	.00101	.00040	1.15	.00054	.00699	.00230	.0049	.00129	.0040	.00081
%RSD	1.2608	29.265	.16513	27.147	132.97	.46920	.46920	72.777	.07515	14.694
#1	.08115	-.00108	698.28	-.00238	.00031	.49280	1.0546	-.00086	5.2970	-.00609
#2	.07972	-.00164	696.65	-.00161	.01020	.48954	1.0476	-.00268	5.3027	-.00494
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass
High Limit			200.00						5.0000	
Low Limit			-.20000						-.01000	

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00371**	**-.00155**	**-.02660**	**.00311**	**.00816**	**-.00052**
Stddev	.00006	.00280	.03144	.00041	.00021	.00002
%RSD	1.7162	180.99	118.20	13.180	2.5872	4.7267
#1	.00375	-.00353	-.04884	.00340	.00801	-.00050
#2	.00366	.00043	-.00437	.00282	.00831	-.00054
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**2243.9**	**35347.**	**5117.5**
Stddev	7.0	311.	51.6
%RSD	.30974	.88051	1.0083
#1	2248.8	35127.	5081.0
#2	2239.0	35567.	5154.0

Sample Name: 280-28177-b-13-a Acquired: 5/3/2012 17:16:33 Type: Unk
Method: 6500_025(v2) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 117243 6010B Q4

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00050**	**.13760**	**-.00487**	**2.8857**	**.01793**	**.00004**	**-.00636**	**241.39**	**.00136**	**-.00031**
Stddev	.00125	.00147	.00169	.0263	.00017	.00002	.00599	1.11	.00028	.00028
%RSD	250.09	1.0707	34.783	.91125	.93983	51.836	94.148	.45843	20.895	88.205
#1	-.00038	.13656	-.00606	2.8671	.01805	.00005	-.00213	242.17	.00156	-.00051
#2	.00139	.13864	-.00367	2.9043	.01781	.00002	-.01060	240.61	.00116	-.00012
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00526**	**.01190**	**.17115**	W **304.38**	**.13725**	W **826.26**	**.02355**	**.00676**	W **7797.8**	**.00283**
Stddev	.00007	.00026	.00994	.19	.00088	3.26	.00016	.00023	1.4	.00041
%RSD	1.3232	2.1974	5.8069	.06344	.64306	.39412	.65981	3.4256	.01823	14.428
#1	.00530	.01172	.17818	304.52	.13662	823.96	.02344	.00660	7798.8	.00255
#2	.00521	.01209	.16412	304.24	.13787	828.57	.02366	.00693	7796.8	.00312
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Warn	Chk Pass
High Limit				100.00		500.00			500.00	
Low Limit				-.50000		-.10000			11.000	

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.05250**	**.00119**	F **682.43**	**.00155**	**.00388**	**.36071**	**.77191**	**-.00065**	W **5.1353**	**-.00298**
Stddev	.00077	.00167	5.29	.00103	.00418	.00725	.01552	.00083	.0799	.00130
%RSD	1.4644	140.31	.77455	66.718	107.96	2.0103	2.0103	126.63	1.5568	43.596
#1	.05195	.00001	678.69	.00082	.00683	.36583	.78288	-.00124	5.0788	-.00206
#2	.05304	.00237	686.17	.00228	.00092	.35558	.76094	-.00007	5.1919	-.00390
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass
High Limit			200.00						5.0000	
Low Limit			-.20000						-.01000	

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00180**	**-.00131**	**-.01280**	**.00218**	**.00866**	**-.00053**
Stddev	.00002	.00140	.02223	.00037	.00083	.00100
%RSD	.87085	107.16	173.65	17.103	9.5582	189.30
#1	.00179	-.00230	.00292	.00192	.00807	-.00123
#2	.00181	-.00032	-.02853	.00244	.00924	.00018
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**2272.5**	**35108.**	**5042.7**
Stddev	2.5	31.	22.2
%RSD	.10809	.08722	.43982
#1	2270.8	35130.	5058.4
#2	2274.3	35087.	5027.0

Sample Name: SD 28177-b-13-a@5 Acquired: 5/3/2012 17:19:18 Type: Unk
Method: 6500_025(v2) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 117243 6010B Q4

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00085**	**.03162**	**-.00434**	**.58413**	**.00371**	**.00003**	**.00052**	**51.938**	**.00093**	**-.00007**
Stddev	.00003	.00092	.00417	.00080	.00001	.00007	.00115	.189	.00000	.00008
%RSD	2.9959	2.9144	96.146	.13683	.27325	216.54	221.83	.36463	.50164	114.95
#1	.00083	.03097	-.00139	.58469	.00371	.00008	.00133	51.804	.00093	-.00013
#2	.00087	.03227	-.00729	.58356	.00372	-.00002	-.00029	52.071	.00092	-.00001
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00111**	**.00318**	**.04077**	**58.555**	**.02745**	**176.66**	**.00527**	**.00109**	W **1513.2**	**.00030**
Stddev	.00033	.00013	.00079	.245	.00137	.08	.00007	.00013	5.3	.00000
%RSD	29.913	4.1659	1.9474	.41780	4.9955	.04520	1.2683	11.970	.35152	.40538
#1	.00135	.00308	.04133	58.382	.02648	176.60	.00532	.00118	1509.5	.00030
#2	.00088	.00327	.04020	58.728	.02842	176.72	.00522	.00099	1517.0	.00030
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass
High Limit									500.00	
Low Limit									11.000	

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00890**	**.00018**	**132.88**	**.00125**	**-.00419**	**.10027**	**.21457**	**-.00048**	**1.0460**	**-.00218**
Stddev	.00333	.00132	.37	.00077	.00812	.00913	.01955	.00095	.0040	.00075
%RSD	37.416	718.13	.27802	61.450	193.70	9.1104	9.1104	199.29	.38339	34.435
#1	.01126	-.00075	132.62	.00070	-.00994	.10673	.22840	.00020	1.0432	-.00165
#2	.00655	.00112	133.14	.00179	.00155	.09381	.20075	-.00115	1.0488	-.00271
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00042**	**-.00198**	**-.03856**	**.00038**	**.00641**	**-.00033**
Stddev	.00062	.00073	.01144	.00004	.00057	.00025
%RSD	146.96	36.679	29.661	10.565	8.8175	74.808
#1	.00086	-.00250	-.03048	.00035	.00601	-.00051
#2	-.00002	-.00147	-.04665	.00041	.00681	-.00016
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**2824.9**	**43251.**	**5374.7**
Stddev	18.2	255.	19.1
%RSD	.64407	.58970	.35630
#1	2837.7	43071.	5361.2
#2	2812.0	43431.	5388.3

Sample Name: 280-28177-b-13-aPDS Acquired: 5/3/2012 17:21:46 Type: Unk
Method: 6500_025(v2) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 117243 6010B Q4

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.05864**	**1.0062**	**.24072**	**2.9696**	**.12462**	**.04854**	**-.00563**	**253.12**	**.06318**	**.04798**
Stddev	.00090	.0078	.00458	.0004	.00126	.00020	.00493	.16	.00018	.00011
%RSD	1.5263	.77839	1.9014	.01189	1.0099	.40431	87.688	.06131	.27923	.22227
#1	.05928	1.0118	.23748	2.9698	.12551	.04868	-.00214	253.01	.06305	.04790
#2	.05801	1.0007	.24395	2.9693	.12373	.04840	-.00911	253.23	.06330	.04806
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.05793**	**.07444**	**1.1916**	W **319.73**	**.25285**	W **828.47**	**.08205**	**.05503**	W **7654.1**	**.05034**
Stddev	.00035	.00054	.0112	2.95	.00532	12.40	.00081	.00011	44.3	.00017
%RSD	.60304	.72974	.93747	.92268	2.1057	1.4971	.98798	.19558	.57919	.32993
#1	.05768	.07483	1.1995	321.81	.25661	837.24	.08263	.05495	7685.4	.05046
#2	.05817	.07406	1.1837	317.64	.24908	819.70	.08148	.05510	7622.7	.05022
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Warn	Chk Pass
High Limit				100.00		500.00			500.00	
Low Limit				-.50000		-.10000			11.000	

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **2.3729**	**.09296**	F **677.44**	**.10423**	**.24734**	**4.9551**	**10.604**	**.08697**	W **5.2183**	**.22545**
Stddev	.0207	.00237	.25	.00158	.00496	.0318	.068	.00088	.1980	.00338
%RSD	.87386	2.5535	.03644	1.5126	2.0034	.64132	.64132	1.0117	3.7937	1.4977
#1	2.3876	.09464	677.26	.10534	.24383	4.9776	10.652	.08635	5.3583	.22784
#2	2.3582	.09128	677.61	.10311	.25084	4.9326	10.556	.08760	5.0783	.22307
Check ?	Chk Warn	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass
High Limit	2.0000		200.00						5.0000	
Low Limit	-1.0000		-.20000						-.01000	

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.05097**	**.16505**	**.60084**	**.05707**	**.20317**	**.04446**
Stddev	.00031	.00040	.01848	.00031	.00062	.00157
%RSD	.61117	.24219	3.0759	.54030	.30722	3.5362
#1	.05119	.16533	.58777	.05686	.20361	.04335
#2	.05075	.16477	.61391	.05729	.20273	.04557
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**2301.6**	**35790.**	**5193.2**
Stddev	.0	322.	16.1
%RSD	.00115	.89951	.31044
#1	2301.6	35563.	5181.8
#2	2301.6	36018.	5204.6

Sample Name: CCVH-1390999 Acquired: 5/3/2012 17:24:28 Type: QC
Method: 6500_025(v2) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00115**	**47.006**	**-.00403**	**.00692**	**.00050**	**-.00001**	W **.94696**	**.02253**	**.00006**	**.00038**	**.00033**	**-.00547**
Stddev	.00035	.240	.00164	.00022	.00024	.00000	.00558	.00746	.00015	.00002	.00006	.00085
%RSD	30.220	.51103	40.678	3.2299	48.585	10.780	.58890	33.107	252.90	6.2060	18.113	15.569
#1	-.00090	46.836	-.00519	.00676	.00067	-.00001	.94301	.02780	.00017	.00039	.00037	-.00607
#2	-.00140	47.175	-.00287	.00708	.00033	-.00002	.95090	.01725	-.00005	.00036	.00029	-.00487
Check ?	None	Chk Pass	None	None	None	None	Chk Warn	None	None	None	None	None
Value							1.0000					
Range							-5.0000%					

Elem	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316	P_1782	Pb2203	S_1820	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**47.373**	**.37174**	**.00184**	**-.00522**	**.00013**	**-.00064**	**239.11**	**.00173**	**.00026**	**.00026**	**4.8168**	**-.00034**
Stddev	.059	.06802	.00114	.01080	.00004	.00025	.05	.00030	.00084	.00024	.0049	.00011
%RSD	.12361	18.298	62.091	206.84	34.688	38.436	.02037	17.279	323.13	93.182	.10112	33.468
#1	47.415	.41984	.00264	.00241	.00010	-.00047	239.08	.00152	-.00033	.00043	4.8133	-.00042
#2	47.332	.32364	.00103	-.01285	.00016	-.00082	239.14	.00194	.00086	.00009	4.8202	-.00026
Check ?	Chk Pass	None	None	None	None	None	Chk Pass	None	None	None	Chk Pass	None
Value												
Range												

Elem	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00294**	**.02530**	**.05415**	**.00041**	**.00068**	**5.0515**	**.00841**	**-.00062**	**10.367**	**-.00490**	**.00288**	**-.05598**
Stddev	.00081	.00121	.00260	.00035	.00011	.0163	.00015	.00108	.047	.00011	.00004	.00225
%RSD	27.393	4.7949	4.7949	85.723	16.639	.32332	1.8109	173.94	.45102	2.2334	1.2315	4.0168
#1	.00237	.02444	.05231	.00066	.00076	5.0399	.00831	.00014	10.334	-.00497	.00286	-.05439
#2	.00351	.02616	.05598	.00016	.00060	5.0630	.00852	-.00138	10.400	-.00482	.00291	-.05757
Check ?	None	None	None	None	None	Chk Pass	None	None	Chk Pass	None	None	None
Value												
Range												

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**3227.4**	**50025.**	**5807.0**
Stddev	7.9	318.	22.7
%RSD	.24349	.63544	.39152
#1	3232.9	50250.	5823.0
#2	3221.8	49800.	5790.9

Sample Name: CCV-1390955 Acquired: 5/3/2012 17:26:48 Type: QC
Method: 6500_025(v2) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.50932**	**.47398**	**.98770**	**.46606**	**.48431**	W **.44762**	**-.00420**	**4.5433**	**.48820**	**.48799**	**.49616**	**.52619**
Stddev	.00022	.00204	.00356	.00431	.00044	.00037	.00043	.0038	.00292	.00237	.00173	.00161
%RSD	.04259	.43046	.36019	.92476	.09030	.08272	10.200	.08404	.59785	.48545	.34842	.30639
#1	.50947	.47254	.98518	.46301	.48400	.44788	-.00390	4.5406	.48614	.48631	.49494	.52733
#2	.50917	.47542	.99022	.46910	.48462	.44736	-.00450	4.5460	.49027	.48966	.49739	.52505
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						.50000						
Range						-10.000%						

Elem	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**2.4546**	**48.287**	**.93407**	**19.589**	**.51377**	**.49784**	**5.2214**	**.48732**	F **.89501**	**1.0184**	**.06445**	**.92740**
Stddev	.0167	.027	.00036	.062	.00153	.00094	.0049	.00131	.00519	.0042	.00633	.00006
%RSD	.67915	.05495	.03859	.31631	.29709	.18876	.09351	.26862	.57987	.41493	9.8260	.00673
#1	2.4428	48.269	.93432	19.545	.51269	.49717	5.2180	.48640	.89134	1.0154	.06893	.92735
#2	2.4664	48.306	.93381	19.633	.51485	.49850	5.2249	.48825	.89868	1.0214	.05997	.92744
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	None	Chk Pass
Value									1.0000			
Range									-10.490%			

Elem	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.97429**	**4.5126**	**9.6569**	**.99359**	**.47672**	**.00152**	**.48800**	**.99838**	**.00359**	**.49840**	**.47085**	**.49258**
Stddev	.00187	.0350	.0750	.00271	.00086	.00021	.00127	.00428	.01582	.00006	.00613	.00026
%RSD	.19206	.77645	.77645	.27267	.18027	13.720	.26024	.42916	440.34	.01229	1.3019	.05295
#1	.97561	4.4878	9.6039	.99167	.47611	.00138	.48710	.99535	-.00759	.49836	.46651	.49277
#2	.97296	4.5373	9.7099	.99550	.47732	.00167	.48890	1.0014	.01478	.49845	.47518	.49240
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value												
Range												

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**3322.8**	**51544.**	**5626.0**
Stddev	12.3	79.	17.1
%RSD	.37134	.15403	.30345
#1	3331.6	51600.	5614.0
#2	3314.1	51488.	5638.1

Sample Name: CCB Acquired: 5/3/2012 17:29:00 Type: QC
Method: 6500_025(v2) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W .00118	-.00034	-.00345	.00263	.00026	.00007	-.00054	-.00073	-.00007	.00021	.00000
Stddev	.00009	.00042	.00047	.00016	.00005	.00004	.00021	.00025	.00005	.00018	.00008
%RSD	7.4192	125.70	13.655	6.2015	18.383	52.469	39.972	34.078	83.475	85.928	2995.9
#1	.00124	-.00004	-.00379	.00274	.00029	.00010	-.00038	-.00091	-.00010	.00008	.00006
#2	.00112	-.00064	-.00312	.00251	.00023	.00005	-.00069	-.00056	-.00003	.00033	-.00005
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	.00093										
Low Limit	-.00093										

Elem	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.00088	.00147	.14989	W .00353	.00171	-.00005	.00086	F .72249	.00005	.00103	-.00097
Stddev	.00025	.00182	.02055	.00082	.00168	.00001	.00024	.00118	.00015	.00097	.00015
%RSD	28.825	123.82	13.713	23.315	98.098	21.488	28.390	.16279	305.33	93.446	15.550
#1	-.00106	.00018	.16442	.00411	.00290	-.00005	.00069	.72332	.00016	.00172	-.00087
#2	-.00070	.00276	.13535	.00295	.00052	-.00004	.00103	.72166	-.00006	.00035	-.00108
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit				.00261				.18320			
Low Limit				-.00261				-.18320			

Elem	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.04948	-.00092	W -.00638	.02521	.05396	-.00031	.00005	-.00083	.00029	-.00119	.01845
Stddev	.00442	.00128	.00236	.00096	.00205	.00050	.00005	.00059	.00016	.00354	.00633
%RSD	8.9321	138.80	36.945	3.7976	3.7976	160.18	98.710	70.800	53.263	297.41	34.313
#1	.05261	-.00002	-.00472	.02589	.05541	-.00066	.00009	-.00125	.00040	-.00369	.02292
#2	.04636	-.00182	-.00805	.02454	.05251	.00004	.00002	-.00042	.00018	.00131	.01397
Check ?	Chk Pass	Chk Pass	Chk Warn	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit			.00486								
Low Limit			-.00486								

Elem	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm
Avg	-.00040	.00257	-.00117
Stddev	.00035	.00038	.00165
%RSD	85.756	14.778	140.77
#1	-.00065	.00230	-.00001
#2	-.00016	.00284	-.00234
Check ?	Chk Pass	Chk Pass	Chk Pass
High Limit			
Low Limit			

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	3377.7	52851.	5763.0
Stddev	3.9	377.	1.1
%RSD	.11561	.71349	.01879
#1	3374.9	53118.	5763.8
#2	3380.5	52585.	5762.3

Sample Name: CCVL1397430 Acquired: 5/3/2012 17:31:25 Type: QC
Method: 6500_025(v2) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01069**	**.09923**	**.01156**	**.09400**	**.01007**	**.00095**	**.10260**	**.18101**	**.00504**	**.01042**	**.01021**	**.01521**	**.09956**
Stddev	.00030	.00136	.00121	.00019	.00015	.00006	.00333	.00118	.00004	.00020	.00001	.00012	.00087
%RSD	2.8441	1.3694	10.474	.20297	1.5114	6.7677	3.2458	.65275	.88991	1.9330	.09655	.76222	.87250
#1	.01091	.09827	.01241	.09414	.00996	.00100	.10024	.18017	.00507	.01028	.01020	.01530	.09895
#2	.01048	.10019	.01070	.09387	.01018	.00091	.10495	.18184	.00501	.01057	.01021	.01513	.10017
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**3.0406**	**.00961**	**.20105**	**.01053**	**.01975**	F **1.5482**	**.04032**	**2.5899**	**.00875**	**.05529**	**.00933**	**.01340**	**.46056**
Stddev	.0326	.00026	.00189	.00001	.00005	.0013	.00034	.0045	.00037	.00217	.00044	.00316	.00355
%RSD	1.0732	2.6636	.94203	.04990	.23664	.08451	.84936	.17266	4.2283	3.9276	4.7210	23.590	.77069
#1	3.0175	.00942	.20239	.01052	.01978	1.5492	.04008	2.5867	.00901	.05375	.00902	.01563	.45805
#2	3.0636	.00979	.19971	.01053	.01972	1.5473	.04056	2.5930	.00849	.05682	.00964	.01116	.46307
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value						1.0000							
Range						30.000%							

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.98560**	**.10044**	**.00971**	**.01544**	**.00958**	**.01382**	**.05964**	**.00957**	**.02232**	**.01363**
Stddev	.00760	.00010	.00005	.00284	.00013	.00035	.00960	.00012	.00049	.00100
%RSD	.77069	.10431	.48806	18.375	1.3920	2.5576	16.100	1.2492	2.1972	7.2997
#1	.98023	.10036	.00974	.01745	.00948	.01357	.05285	.00949	.02266	.01293
#2	.99098	.10051	.00967	.01344	.00967	.01407	.06643	.00966	.02197	.01434
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value										
Range										

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**3375.7**	**53096.**	**5855.0**
Stddev	2.2	259.	61.9
%RSD	.06660	.48716	1.0575
#1	3374.1	53279.	5811.2
#2	3377.3	52913.	5898.8

Sample Name: 280-28177-b-13-b ms Acquired: 5/3/2012 17:33:49 Type: Unk
Method: 6500_025(v2) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 117243 6010B Q4

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.06293**	**1.7847**	**1.1253**	**3.6945**	**1.9710**	**.04381**	F **2.0823**	**277.09**	**.11032**	**.43380**
Stddev	.00145	.0329	.0158	.0127	.0048	.00027	.0017	3.87	.00029	.00566
%RSD	2.3027	1.8414	1.4058	.34248	.24219	.61586	.08074	1.3971	.26333	1.3055
#1	.06191	1.8079	1.1365	3.7034	1.9744	.04362	2.0811	274.35	.11052	.43780
#2	.06396	1.7614	1.1142	3.6855	1.9676	.04400	2.0835	279.83	.11011	.42979
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit							.10000			
Low Limit							-.10000			

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.19363**	**.28733**	**1.1233**	W **351.31**	**1.2176**	W **861.05**	**.52394**	**.96976**	W **7727.8**	**.43041**
Stddev	.00225	.00017	.0010	.80	.0059	9.64	.00205	.01073	13.9	.00533
%RSD	1.1640	.06034	.08476	.22806	.48373	1.1198	.39064	1.1066	.17931	1.2391
#1	.19522	.28721	1.1240	351.88	1.2218	854.24	.52249	.97734	7737.6	.43418
#2	.19204	.28746	1.1226	350.75	1.2135	867.87	.52538	.96217	7718.0	.42663
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Warn	Chk Pass
High Limit				100.00		500.00			500.00	
Low Limit				-.50000		-.10000			11.000	

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **10.377**	**.41887**	F **667.98**	**.50605**	**2.1957**	**9.7766**	**20.922**	**1.7205**	W **6.2305**	**1.0334**
Stddev	.023	.00731	2.80	.00411	.0148	.0469	.100	.0235	.0210	.0019
%RSD	.22589	1.7453	.41955	.81253	.67500	.48022	.48022	1.3640	.33760	.18631
#1	10.394	.42404	669.96	.50896	2.2062	9.7434	20.851	1.7371	6.2156	1.0348
#2	10.361	.41370	666.00	.50314	2.1852	9.8098	20.993	1.7039	6.2453	1.0321
Check ?	Chk Warn	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass
High Limit	2.0000		200.00						5.0000	
Low Limit	-1.0000		-.20000						-.01000	

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.97832**	**1.5037**	**2.0968**	**.50884**	**.45370**	**.47650**
Stddev	.00286	.0178	.0154	.00230	.00517	.00099
%RSD	.29191	1.1818	.73496	.45207	1.1386	.20757
#1	.97630	1.5163	2.1077	.50722	.45004	.47720
#2	.98034	1.4911	2.0859	.51047	.45735	.47580
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**2311.5**	**35581.**	**5203.2**
Stddev	25.1	445.	40.5
%RSD	1.0862	1.2496	.77790
#1	2293.8	35895.	5231.8
#2	2329.3	35266.	5174.6

Sample Name: 280-28177-b-13-c msd Acquired: 5/3/2012 17:36:23 Type: Unk
Method: 6500_025(v2) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 117243 6010B Q4

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.06330**	**1.7705**	**1.1302**	**3.7571**	**1.9633**	**.04380**	F **2.1305**	**276.33**	**.11180**	**.43268**
Stddev	.00007	.0145	.0014	.0169	.0148	.00042	.0196	1.26	.00004	.00005
%RSD	.10957	.82004	.11963	.44899	.75223	.94960	.92201	.45493	.03580	.01222
#1	.06325	1.7602	1.1292	3.7690	1.9737	.04409	2.1444	277.22	.11177	.43264
#2	.06335	1.7807	1.1311	3.7451	1.9528	.04350	2.1166	275.44	.11182	.43272
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit							.10000			
Low Limit							-.10000			

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.19316**	**.28971**	**1.1144**	W **348.20**	**1.2197**	W **840.11**	**.51553**	**.97260**	W **7723.8**	**.42841**
Stddev	.00078	.00121	.0115	2.83	.0104	8.51	.00258	.00370	60.5	.00055
%RSD	.40607	.41826	1.0273	.81296	.85342	1.0127	.50091	.38042	.78288	.12787
#1	.19261	.28885	1.1225	350.20	1.2271	846.12	.51736	.96999	7766.6	.42802
#2	.19372	.29057	1.1063	346.20	1.2124	834.09	.51371	.97522	7681.1	.42880
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Warn	Chk Pass
High Limit				100.00		500.00			500.00	
Low Limit				-.50000		-.10000			11.000	

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **10.509**	**.41478**	F **673.77**	**.51476**	**2.2180**	**9.8198**	**21.014**	**1.7214**	W **6.0161**	**1.0259**
Stddev	.016	.00349	1.35	.00301	.0065	.0512	.110	.0088	.0690	.0056
%RSD	.14997	.84092	.20046	.58435	.29110	.52156	.52156	.51013	1.1472	.54232
#1	10.521	.41231	674.72	.51264	2.2225	9.8561	21.092	1.7152	6.0649	1.0298
#2	10.498	.41724	672.81	.51689	2.2134	9.7836	20.937	1.7276	5.9673	1.0220
Check ?	Chk Warn	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass
High Limit	2.0000		200.00						5.0000	
Low Limit	-1.0000		-.20000						-.01000	

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.97388**	**1.5035**	**2.0652**	**.50331**	**.44595**	**.47476**
Stddev	.00053	.0003	.0329	.00112	.00569	.00130
%RSD	.05417	.02237	1.5948	.22352	1.2752	.27410
#1	.97426	1.5033	2.0419	.50411	.44997	.47384
#2	.97351	1.5038	2.0885	.50252	.44193	.47568
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**2339.2**	**36735.**	**5359.9**
Stddev	5.0	275.	56.9
%RSD	.21556	.74756	1.0616
#1	2342.8	36541.	5319.7
#2	2335.6	36929.	5400.1

Sample Name: 280-28177-b-14-a Acquired: 5/3/2012 17:38:59 Type: Unk
Method: 6500_025(v2) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 117243 6010B Q4

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00078**	**.07922**	**-.00633**	**2.8880**	**.01694**	**.00004**	**-.00259**	**231.84**	**.00137**	**-.00026**
Stddev	.00007	.00094	.00143	.0053	.00010	.00005	.00115	1.11	.00020	.00010
%RSD	8.7953	1.1822	22.564	.18486	.56816	123.53	44.537	.47943	14.329	37.728
#1	.00073	.07856	-.00532	2.8842	.01700	.00001	-.00178	231.05	.00151	-.00019
#2	.00083	.07988	-.00734	2.8918	.01687	.00008	-.00341	232.62	.00123	-.00033
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00074**	**-.00052**	**.09835**	W **295.08**	**.13489**	W **798.62**	**.02289**	**.00866**	W **7607.5**	**.00040**
Stddev	.00025	.00004	.00195	.28	.00268	2.00	.00008	.00104	4.7	.00047
%RSD	33.163	7.4442	1.9857	.09495	1.9862	.25090	.35457	11.981	.06165	119.88
#1	.00057	-.00049	.09696	295.28	.13300	797.20	.02295	.00792	7610.9	.00006
#2	.00091	-.00055	.09973	294.88	.13679	800.03	.02284	.00939	7604.2	.00073
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Warn	Chk Pass
High Limit				100.00		500.00			500.00	
Low Limit				-.50000		-.10000			11.000	

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.04989**	**-.00072**	F **676.66**	**-.00046**	**.00460**	**.35111**	**.75138**	**-.00222**	W **5.0508**	**-.00394**
Stddev	.00309	.00164	1.94	.00080	.00376	.00993	.02126	.00095	.0466	.00025
%RSD	6.2025	227.96	.28731	175.97	81.763	2.8291	2.8291	42.720	.92308	6.3938
#1	.04770	.00044	675.29	-.00103	.00194	.35814	.76641	-.00155	5.0178	-.00376
#2	.05208	-.00188	678.04	.00011	.00727	.34409	.73635	-.00289	5.0837	-.00411
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass
High Limit			200.00						5.0000	
Low Limit			-.20000						-.01000	

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00172**	**-.00299**	**.02825**	**.00218**	**.00464**	**.00047**
Stddev	.00024	.00145	.04333	.00011	.00055	.00051
%RSD	13.687	48.426	153.40	5.1477	11.807	106.61
#1	.00156	-.00401	-.00239	.00210	.00503	.00083
#2	.00189	-.00197	.05889	.00226	.00425	.00012
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**2322.3**	**36619.**	**5376.5**
Stddev	9.8	5.	45.9
%RSD	.42338	.01364	.85403
#1	2329.2	36616.	5344.0
#2	2315.3	36623.	5409.0

Sample Name: 280-28177-b-15-a Acquired: 5/3/2012 17:41:44 Type: Unk
Method: 6500_025(v2) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 117243 6010B Q4

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00102**	**1.2160**	**-.00300**	**2.9037**	**.01932**	**.00013**	**-.00099**	**232.73**	**.00122**	**-.00025**
Stddev	.00048	.0005	.00594	.0012	.00024	.00002	.00337	1.28	.00029	.00054
%RSD	47.075	.03866	197.84	.04160	1.2383	12.049	340.45	.54937	24.103	218.42
#1	.00068	1.2163	-.00720	2.9028	.01948	.00012	-.00338	231.82	.00101	-.00063
#2	.00135	1.2157	.00120	2.9045	.01915	.00014	.00140	233.63	.00143	.00013
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00312**	**.00281**	**1.6093**	W **298.03**	**.13998**	W **801.93**	**.03658**	**.00599**	W **7705.0**	**.00070**
Stddev	.00021	.00019	.0044	1.20	.00091	1.14	.00004	.00026	21.7	.00021
%RSD	6.8123	6.8166	.27461	.40281	.65041	.14171	.10197	4.3985	.28222	29.657
#1	.00327	.00295	1.6124	298.88	.14063	801.13	.03655	.00618	7720.4	.00084
#2	.00297	.00268	1.6061	297.18	.13934	802.73	.03660	.00581	7689.6	.00055
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Warn	Chk Pass
High Limit				100.00		500.00			500.00	
Low Limit				-.50000		-.10000			11.000	

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.21487**	**.00249**	F **679.75**	**-.00203**	**.00288**	**1.9320**	**4.1344**	**-.00164**	W **5.1888**	**-.00329**
Stddev	.00238	.00027	1.54	.00125	.00348	.0329	.0703	.00047	.0649	.00287
%RSD	1.1089	10.810	.22649	61.379	120.85	1.7012	1.7012	28.645	1.2503	87.363
#1	.21319	.00230	680.84	-.00115	.00042	1.9552	4.1842	-.00131	5.1430	-.00531
#2	.21656	.00268	678.66	-.00292	.00534	1.9087	4.0847	-.00197	5.2347	-.00126
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass
High Limit			200.00						5.0000	
Low Limit			-.20000						-.01000	

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01410**	**.00012**	**-.00865**	**.00564**	**.01113**	**.00171**
Stddev	.00028	.00015	.01171	.00020	.00086	.00166
%RSD	1.9553	122.43	135.32	3.5235	7.7582	96.983
#1	.01390	.00023	-.01693	.00550	.01052	.00289
#2	.01429	.00002	-.00037	.00578	.01175	.00054
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**2338.9**	**36813.**	**5571.1**
Stddev	6.9	19.	16.8
%RSD	.29520	.05233	.30224
#1	2334.0	36827.	5559.2
#2	2343.8	36800.	5583.0

Sample Name: 280-28177-b-16-a Acquired: 5/3/2012 17:44:28 Type: Unk
Method: 6500_025(v2) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 117243 6010B Q4

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00101**	**.11249**	**-.00422**	**2.9577**	**.01725**	**.00011**	**-.00672**	**234.61**	**.00127**	**-.00011**
Stddev	.00027	.00146	.00097	.0022	.00001	.00003	.00105	4.05	.00005	.00012
%RSD	26.827	1.2968	23.108	.07485	.05860	31.177	15.597	1.7257	4.0455	112.11
#1	.00120	.11352	-.00491	2.9592	.01725	.00008	-.00746	231.75	.00130	-.00002
#2	.00082	.11146	-.00353	2.9561	.01726	.00013	-.00598	237.47	.00123	-.00020
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00127**	**-.00006**	**.12666**	W **301.12**	**.13721**	W **808.79**	**.02283**	**.00678**	W **7788.9**	**.00061**
Stddev	.00008	.00008	.00220	.32	.00056	4.51	.00004	.00082	12.4	.00012
%RSD	6.3682	137.56	1.7344	.10545	.40647	.55716	.16637	12.104	.15965	19.064
#1	.00132	.00000	.12822	301.34	.13760	811.98	.02280	.00620	7797.7	.00069
#2	.00121	-.00011	.12511	300.89	.13681	805.60	.02286	.00736	7780.2	.00053
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Warn	Chk Pass
High Limit				100.00		500.00			500.00	
Low Limit				-.50000		-.10000			11.000	

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.05326**	**.00100**	F **692.31**	**.00082**	**-.00370**	**.36978**	**.79134**	**-.00170**	W **5.2032**	**-.00132**
Stddev	.00020	.00209	.63	.00049	.00001	.00813	.01740	.00015	.0175	.00054
%RSD	.38121	209.48	.09065	59.959	.32921	2.1992	2.1992	8.9694	.33600	40.939
#1	.05311	.00248	692.75	.00117	-.00369	.37553	.80364	-.00180	5.2156	-.00094
#2	.05340	-.00048	691.87	.00047	-.00371	.36403	.77903	-.00159	5.1908	-.00170
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass
High Limit			200.00						5.0000	
Low Limit			-.20000						-.01000	

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00202**	**-.00360**	**-.00679**	**.00209**	**.00544**	**-.00015**
Stddev	.00042	.00039	.01095	.00054	.00036	.00104
%RSD	20.899	10.829	161.19	25.704	6.5394	704.79
#1	.00232	-.00387	.00095	.00247	.00569	.00059
#2	.00172	-.00332	-.01454	.00171	.00519	-.00088
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**2326.3**	**36664.**	**5519.2**
Stddev	1.1	69.	43.6
%RSD	.04556	.18920	.78974
#1	2325.5	36614.	5550.0
#2	2327.0	36713.	5488.4

Sample Name: 280-28177-b-17-a Acquired: 5/3/2012 17:47:14 Type: Unk
Method: 6500_025(v2) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 117243 6010B Q4

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00097**	**.08567**	**-.00847**	**2.9536**	**.01726**	**.00009**	**-.00470**	**234.77**	**.00130**	**-.00026**
Stddev	.00029	.00014	.00432	.0334	.00028	.00009	.00471	1.90	.00004	.00021
%RSD	29.933	.16854	50.970	1.1314	1.6345	104.56	100.30	.80847	3.0828	81.043
#1	.00118	.08557	-.01152	2.9300	.01746	.00015	-.00803	233.43	.00133	-.00011
#2	.00077	.08577	-.00542	2.9772	.01706	.00002	-.00137	236.11	.00127	-.00040
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00085**	**.02049**	**.10764**	W **299.29**	**.13516**	W **812.27**	**.02338**	**.00677**	W **7737.0**	**.00020**
Stddev	.00012	.00019	.00142	.21	.00029	.11	.00013	.00003	3.8	.00011
%RSD	14.132	.94719	1.3184	.06891	.21824	.01377	.55603	.51086	.04950	54.328
#1	.00094	.02062	.10664	299.14	.13495	812.19	.02329	.00675	7739.7	.00027
#2	.00077	.02035	.10864	299.43	.13536	812.35	.02348	.00680	7734.3	.00012
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Warn	Chk Pass
High Limit				100.00		500.00			500.00	
Low Limit				-.50000		-.10000			11.000	

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.04969**	**-.00043**	F **691.87**	**.00150**	**.00746**	**.29719**	**.63599**	**-.00141**	W **5.2057**	**-.00365**
Stddev	.00015	.00052	5.72	.00115	.00405	.00560	.01199	.00117	.0794	.00009
%RSD	.29877	120.00	.82712	76.352	54.289	1.8857	1.8857	83.266	1.5244	2.5060
#1	.04959	-.00007	687.82	.00232	.01032	.29323	.62751	-.00058	5.1496	-.00372
#2	.04980	-.00080	695.91	.00069	.00460	.30115	.64447	-.00224	5.2619	-.00359
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass
High Limit			200.00						5.0000	
Low Limit			-.20000						-.01000	

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00187**	**-.00170**	**-.00014**	**.00188**	**.00864**	**-.00009**
Stddev	.00020	.00199	.02229	.00062	.00019	.00015
%RSD	10.443	117.08	15520.	32.959	2.1512	179.99
#1	.00201	-.00029	-.01590	.00232	.00851	.00002
#2	.00173	-.00311	.01562	.00144	.00877	-.00019
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**2306.2**	**36329.**	**5494.1**
Stddev	12.5	34.	34.5
%RSD	.54028	.09222	.62838
#1	2315.1	36353.	5518.5
#2	2297.4	36306.	5469.7

Sample Name: 280-28177-b-18-a Acquired: 5/3/2012 17:49:59 Type: Unk
Method: 6500_025(v2) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 117243 6010B Q4

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00062**	**.00323**	**.00128**	**.00631**	**.00032**	**.00002**	**-.00480**	**.07290**	**.00015**	**-.00014**
Stddev	.00025	.00063	.00030	.00081	.00001	.00003	.00089	.00542	.00006	.00007
%RSD	40.163	19.493	23.306	12.830	1.8382	206.49	18.557	7.4366	38.086	48.889
#1	.00080	.00367	.00149	.00689	.00032	.00004	-.00417	.07673	.00019	-.00009
#2	.00045	.00278	.00107	.00574	.00032	-.00001	-.00543	.06906	.00011	-.00018
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00046**	**-.00038**	**.01389**	**.59114**	**.00237**	**.03324**	**.00065**	**-.00001**	**2.7638**	**.00006**
Stddev	.00005	.00014	.00032	.04210	.00129	.00289	.00002	.00011	.2900	.00031
%RSD	10.425	36.203	2.3153	7.1215	54.562	8.7010	3.0605	767.13	10.491	540.75
#1	.00042	-.00048	.01366	.62091	.00146	.03529	.00063	.00006	2.9689	.00028
#2	.00049	-.00028	.01412	.56137	.00329	.03120	.00066	-.00009	2.5588	-.00016
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00451**	**-.00011**	**.12747**	**-.00098**	**-.00266**	**.02244**	**.04803**	**-.00052**	**.00048**	**.00080**
Stddev	.00198	.00004	.00722	.00208	.00154	.01867	.03995	.00053	.00018	.00169
%RSD	43.947	33.148	5.6606	211.40	57.672	83.176	83.176	102.00	37.616	211.60
#1	.00311	-.00014	.12236	-.00245	-.00158	.00924	.01978	-.00090	.00061	-.00040
#2	.00591	-.00008	.13257	.00049	-.00375	.03564	.07627	-.00015	.00035	.00199
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00004**	**-.00268**	**-.00518**	**-.00030**	**.00411**	**.00106**
Stddev	.00034	.00088	.01379	.00002	.00020	.00244
%RSD	812.99	32.761	266.35	8.2897	4.7690	229.45
#1	-.00020	-.00330	-.01493	-.00028	.00424	-.00066
#2	.00028	-.00206	.00457	-.00032	.00397	.00279
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**3452.3**	**55115.**	**6173.1**
Stddev	1.0	12.	21.7
%RSD	.02848	.02169	.35175
#1	3453.0	55106.	6157.8
#2	3451.6	55123.	6188.5

Sample Name: CCVH-1390999 Acquired: 5/3/2012 17:52:25 Type: QC
Method: 6500_025(v2) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00136**	**47.274**	**.00010**	**.00610**	**.00057**	**.00007**	**.98354**	**.00309**	**.00009**	**.00063**	**.00051**	**-.00597**
Stddev	.00049	.021	.00114	.00042	.00004	.00006	.00633	.00032	.00022	.00008	.00001	.00007
%RSD	36.035	.04336	1142.7	6.8504	7.7769	81.417	.64368	10.375	250.84	12.503	2.9094	1.2126
#1	-.00101	47.288	-.00071	.00581	.00060	.00003	.98802	.00331	.00024	.00058	.00050	-.00591
#2	-.00171	47.259	.00091	.00640	.00054	.00012	.97907	.00286	-.00007	.00069	.00052	-.00602
Check ?	None	Chk Pass	None	None	None	None	Chk Pass	None	None	None	None	None
Value												
Range												

Elem	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316	P_1782	Pb2203	S_1820	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**47.597**	**.21156**	**.00229**	**-.02658**	**.00011**	**-.00093**	**240.18**	**.00177**	**.00390**	**-.00225**	**4.9772**	**.00002**
Stddev	.202	.01957	.00045	.00718	.00001	.00040	.06	.00004	.00142	.00004	.0098	.00179
%RSD	.42338	9.2489	19.780	27.017	9.2472	43.281	.02448	2.4676	36.312	1.9110	.19632	7799.6
#1	47.740	.22540	.00261	-.02150	.00010	-.00064	240.22	.00180	.00290	-.00228	4.9841	-.00124
#2	47.455	.19773	.00197	-.03166	.00012	-.00121	240.14	.00174	.00491	-.00222	4.9703	.00129
Check ?	Chk Pass	None	None	None	None	None	Chk Pass	None	None	None	Chk Pass	None
Value												
Range												

Elem	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00176**	**.04233**	**.09060**	**.00083**	**.00037**	**5.0925**	**.00961**	**.00013**	W **10.552**	**-.00506**	**.00295**	**-.05730**
Stddev	.00563	.00915	.01959	.00021	.00004	.0514	.00042	.00131	.083	.00046	.00054	.00420
%RSD	320.36	21.619	21.619	25.590	11.031	1.0095	4.3828	1002.1	.78595	9.0202	18.478	7.3295
#1	.00574	.04881	.10445	.00068	.00034	5.1288	.00931	-.00080	10.611	-.00538	.00256	-.06027
#2	-.00222	.03586	.07675	.00097	.00040	5.0561	.00991	.00106	10.494	-.00474	.00333	-.05433
Check ?	None	None	None	None	None	Chk Pass	None	None	Chk Warn	None	None	None
Value									10.000			
Range									5.0000%			

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**3288.1**	**51726.**	**6096.3**
Stddev	10.6	377.	65.8
%RSD	.32173	.72906	1.0787
#1	3280.6	51460.	6049.8
#2	3295.6	51993.	6142.8

Sample Name: CCV-1390955 Acquired: 5/3/2012 17:54:45 Type: QC
Method: 6500_025(v2) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.51293**	**.47389**	**1.0012**	**.47354**	**.49062**	**.45436**	**-.00175**	**4.5516**	**.49431**	**.49267**	**.50129**	**.53299**	**2.4606**
Stddev	.00381	.00635	.0037	.00289	.00501	.00444	.00051	.0505	.00071	.00030	.00077	.00548	.0324
%RSD	.74247	1.3410	.37402	.61118	1.0219	.97795	28.865	1.1089	.14325	.06109	.15322	1.0281	1.3170
#1	.51024	.46940	.99852	.47149	.48708	.45122	-.00140	4.5160	.49381	.49288	.50184	.52912	2.4377
#2	.51562	.47838	1.0038	.47558	.49417	.45750	-.00211	4.5873	.49481	.49246	.50075	.53687	2.4835
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**48.248**	**.94694**	**19.411**	**.51183**	**.50381**	**5.2161**	**.49115**	**.90560**	**1.0224**	**.06441**	**.94747**	**.99749**	**4.5383**
Stddev	.469	.01060	.167	.00508	.00102	.0419	.00062	.00037	.0005	.00310	.00110	.00366	.0339
%RSD	.97261	1.1190	.85989	.99160	.20198	.80332	.12614	.04131	.04577	4.8131	.11608	.36714	.74736
#1	47.916	.93945	19.293	.50824	.50453	5.1864	.49072	.90534	1.0227	.06660	.94669	.99490	4.5143
#2	48.580	.95444	19.529	.51542	.50309	5.2457	.49159	.90586	1.0221	.06222	.94825	1.0001	4.5623
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**9.7120**	**.99662**	**.48240**	**.00118**	**.49335**	**1.0025**	**-.01327**	**.50144**	**.45860**	**.49696**
Stddev	.0726	.00060	.00444	.00144	.00473	.0049	.01468	.00445	.00334	.00488
%RSD	.74736	.05998	.92080	121.18	.95841	.49104	110.63	.88744	.72820	.98235
#1	9.6607	.99619	.47926	.00017	.49001	.99903	-.02365	.49830	.45624	.49351
#2	9.7633	.99704	.48554	.00220	.49669	1.0060	-.00289	.50459	.46096	.50041
Check ?	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value										
Range										

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**3355.0**	**52878.**	**6069.7**
Stddev	.8	395.	53.8
%RSD	.02341	.74732	.88595
#1	3355.5	53157.	6107.7
#2	3354.4	52598.	6031.6

Sample Name: CCB Acquired: 5/3/2012 17:56:58 Type: QC
Method: 6500_025(v2) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **.00094**	**.00012**	**-.00174**	**.00315**	**.00038**	**.00007**	**-.00252**	**-.00070**	**.00000**	**.00025**	**.00002**	**-.00078**
Stddev	.00001	.00009	.00048	.00032	.00020	.00002	.00316	.00221	.0001	.00005	.00018	.00016
%RSD	1.3945	72.133	27.425	10.309	52.641	22.016	125.63	316.69	2210.9	21.146	842.39	20.110
#1	.00095	.00006	-.00140	.00338	.00052	.00008	-.00476	-.00227	-.00006	.00029	.00015	-.00067
#2	.00093	.00018	-.00208	.00292	.00024	.00006	-.00028	.00087	.00006	.00021	-.00011	-.00089
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	.00093											
Low Limit	-.00093											

Elem	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00358**	**.09888**	**.00229**	**.00236**	**.00004**	**.00086**	F **.82618**	**-.00025**	**.00060**	**-.00033**	**.05346**	**.00168**
Stddev	.00108	.02678	.00151	.00220	.00001	.00052	.00727	.00002	.00073	.00149	.00313	.00111
%RSD	30.183	27.085	66.195	93.382	18.606	60.277	.88034	9.4329	122.20	457.97	5.8546	66.381
#1	.00282	.11782	.00336	.00080	.00005	.00049	.83132	-.00023	.00112	.00073	.05567	.00089
#2	.00435	.07994	.00122	.00391	.00004	.00123	.82103	-.00026	.00008	-.00138	.05125	.00247
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							.18320					
Low Limit							-.18320					

Elem	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00101**	**.00990**	**.02119**	**-.00038**	**.00013**	**-.00057**	**-.00002**	**-.00037**	**.00538**	**-.00050**	**.00277**	**.00036**
Stddev	.00390	.00206	.00440	.00004	.00001	.00105	.00004	.00194	.00320	.00015	.00002	.00039
%RSD	387.31	20.764	20.764	10.196	4.4515	183.97	151.02	521.40	59.456	30.614	.55960	108.31
#1	-.00376	.00845	.01808	-.00041	.00013	.00017	-.00005	-.00174	.00312	-.00039	.00276	.00008
#2	.00175	.01136	.02430	-.00036	.00012	-.00131	.00000	.00100	.00764	-.00060	.00278	.00063
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit												
Low Limit												

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**3408.3**	**54282.**	**6011.9**
Stddev	11.7	160.	53.1
%RSD	.34227	.29525	.88368
#1	3400.1	54396.	6049.4
#2	3416.6	54169.	5974.3

Sample Name: CCVL1397430 Acquired: 5/3/2012 17:59:22 Type: QC
Method: 6500_025(v2) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01148**	**.10245**	**.01280**	**.09689**	**.01040**	**.00096**	**.10482**	**.18319**	**.00524**	**.01043**	**.01033**	**.01574**	**.10040**
Stddev	.00002	.00499	.00547	.00027	.00008	.00010	.00045	.00102	.00002	.00022	.00002	.00016	.00098
%RSD	.15992	4.8699	42.740	.28313	.73813	10.785	.42725	.55734	.41586	2.1554	.18627	1.0407	.97545
#1	.01150	.09892	.00893	.09709	.01035	.00089	.10514	.18247	.00525	.01027	.01031	.01585	.10109
#2	.01147	.10597	.01667	.09670	.01046	.00103	.10450	.18391	.00522	.01058	.01034	.01562	.09971
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**3.1297**	**.01004**	**.20306**	**.01071**	**.02040**	F **1.7057**	**.04078**	**2.6784**	**.00868**	**.07753**	**.00960**	**.01170**	**.47325**
Stddev	.0055	.00078	.00266	.00002	.00011	.0183	.00007	.0111	.00062	.02794	.00097	.00006	.00725
%RSD	.17529	7.7555	1.3117	.22262	.54078	1.0730	.18016	.41466	7.1711	36.043	10.103	.49704	1.5326
#1	3.1258	.01059	.20118	.01070	.02048	1.6928	.04073	2.6705	.00912	.05777	.01029	.01174	.47838
#2	3.1336	.00949	.20494	.01073	.02032	1.7187	.04083	2.6862	.00824	.09729	.00892	.01166	.46812
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value						1.0000							
Range						30.000%							

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.0128**	**.10228**	**.01000**	**.01598**	**.00975**	**.01418**	**.07010**	**.00979**	**.02178**	**.01489**
Stddev	.0155	.00072	.00008	.00006	.00006	.00149	.00430	.00011	.00047	.00074
%RSD	1.5326	.70391	.76759	.36427	.61220	10.533	6.1290	1.0782	2.1485	4.9631
#1	1.0237	.10177	.00995	.01594	.00979	.01524	.07314	.00972	.02145	.01436
#2	1.0018	.10278	.01006	.01602	.00971	.01313	.06706	.00987	.02211	.01541
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value										
Range										

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**3401.1**	**53751.**	**6103.4**
Stddev	6.8	227.	22.0
%RSD	.19999	.42190	.36058
#1	3405.9	53591.	6119.0
#2	3396.3	53912.	6087.9

Sample Name: mb 280-117700/1-a Acquired: 5/3/2012 18:01:45 Type: Unk
Method: 6500_025(v2) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 117700 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00071	.00127	-.00463	.00253	.00031	.00002	-.00158	.00506	.00023	.00002
Stddev	.00003	.00067	.00022	.00024	.00023	.00006	.00074	.00091	.00001	.00014
%RSD	4.3959	52.618	4.7632	9.5266	75.574	261.76	46.536	17.900	3.0320	643.94
#1	.00069	.00174	-.00479	.00235	.00048	-.00002	-.00106	.00442	.00022	.00012
#2	.00073	.00080	-.00447	.00270	.00014	.00007	-.00210	.00570	.00023	-.00008
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.00005	-.00053	.01253	.09953	.00059	.00194	.00134	-.00020	W .70003	.00008
Stddev	.00009	.00006	.00163	.00497	.00129	.00144	.00001	.00026	.00101	.00001
%RSD	181.24	11.775	12.998	4.9894	217.43	74.097	.98096	127.51	.14461	19.235
#1	-.00012	-.00049	.01368	.10304	.00150	.00295	.00135	-.00039	.69931	.00007
#2	.00001	-.00058	.01138	.09602	-.00032	.00092	.00133	-.00002	.70074	.00009
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass
High Limit									.50000	
Low Limit									-.50000	

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00128	.00024	F .05148	.00066	-.00263	F .02510	.05371	.00034	.00002	.00101
Stddev	.00241	.00109	.00416	.00202	.00257	.00960	.02054	.00044	.00001	.00233
%RSD	189.11	458.23	8.0757	304.09	97.712	38.244	38.244	131.52	41.188	229.31
#1	.00298	.00100	.05442	-.00076	-.00081	.01831	.03918	.00065	.00003	.00266
#2	-.00043	-.00053	.04854	.00209	-.00444	.03188	.06823	.00002	.00002	-.00063
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Fail	None	Chk Pass	Chk Pass	Chk Pass
High Limit			.01000			.01000				
Low Limit			-.01000			-.01000				

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.00016	-.00330	.03518	-.00040	.00313	.00076
Stddev	.00014	.00000	.00166	.00026	.00044	.00076
%RSD	84.633	.01581	4.7256	65.399	13.983	100.83
#1	-.00026	-.00330	.03636	-.00021	.00344	.00130
#2	-.00007	-.00330	.03401	-.00058	.00282	.00022
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	3449.6	54877.	6208.2
Stddev	18.4	215.	58.9
%RSD	.53340	.39089	.94943
#1	3436.6	55029.	6166.5
#2	3462.6	54725.	6249.9

Sample Name: lcs 280-117700/2-a Acquired: 5/3/2012 18:04:11 Type: Unk
Method: 6500_025(v2) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 117700 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.05240**	**1.7659**	**.99941**	**.94630**	**1.9449**	**.04527**	**2.0560**	F **44.174**	**.09843**	**.48379**
Stddev	.00011	.0093	.00102	.00051	.0070	.00024	.0009	.020	.00006	.00005
%RSD	.21020	.52743	.10194	.05341	.36233	.52372	.04195	.04434	.06072	.01004
#1	.05247	1.7725	.99869	.94595	1.9499	.04544	2.0554	44.188	.09839	.48376
#2	.05232	1.7594	1.0001	.94666	1.9400	.04510	2.0567	44.160	.09847	.48382
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Fail	Chk Pass	Chk Pass
High Limit								55.000		
Low Limit								44.500		

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.19964**	**.26711**	**.97292**	**48.229**	**.94187**	**47.458**	**.51201**	**1.0159**	**50.262**	**.48167**
Stddev	.00014	.00002	.00445	.153	.00300	.001	.00017	.0043	.184	.00072
%RSD	.06880	.00701	.45781	.31784	.31818	.00294	.03373	.42430	.36557	.14906
#1	.19974	.26709	.97607	48.338	.94399	47.457	.51213	1.0190	50.392	.48218
#2	.19955	.26712	.96977	48.121	.93975	47.459	.51189	1.0129	50.132	.48116
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**9.2784**	**.48963**	**.06008**	**.47341**	**2.0065**	F **8.9168**	F **19.082**	**1.9665**	**.97306**	**1.0369**
Stddev	.0115	.00119	.00242	.00599	.0120	.0105	.022	.0099	.00397	.0017
%RSD	.12375	.24319	4.0214	1.2659	.59591	.11781	.11781	.50366	.40793	.16577
#1	9.2865	.49047	.06179	.47764	2.0149	8.9094	19.066	1.9735	.97587	1.0357
#2	9.2702	.48879	.05837	.46917	1.9980	8.9243	19.098	1.9595	.97025	1.0381
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Fail	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit						11.500	24.610			
Low Limit						9.4000	20.100			

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.98566**	**1.9714**	**2.2111**	**.50367**	**.44549**	**.48053**
Stddev	.00113	.0141	.0086	.00257	.00223	.00316
%RSD	.11496	.71654	.38728	.51026	.50092	.65713
#1	.98646	1.9814	2.2172	.50185	.44391	.48276
#2	.98486	1.9614	2.2051	.50549	.44707	.47829
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**3294.8**	**52546.**	**6212.3**
Stddev	3.0	3.	2.0
%RSD	.09193	.00664	.03155
#1	3292.7	52543.	6213.7
#2	3297.0	52548.	6210.9

Sample Name: 280-28276-a-1-b Acquired: 5/3/2012 18:06:21 Type: Unk
Method: 6500_025(v2) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 117700 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00054**	**2.0561**	**-.00005**	**.34007**	**.03488**	**.00016**	**-.00315**	**7.9233**	**.00019**	**.00608**
Stddev	.00012	.0032	.00528	.00017	.00022	.00002	.00003	.0644	.00020	.00007
%RSD	22.422	.15754	11366.	.04898	.63120	15.337	1.0536	.81236	103.63	1.1364
#1	.00045	2.0538	-.00378	.33996	.03472	.00018	-.00317	7.8777	.00034	.00604
#2	.00062	2.0584	.00369	.34019	.03504	.00014	-.00312	7.9688	.00005	.00613
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00686**	**.01068**	**18.767**	**9.5292**	**.00667**	**7.5965**	**.17888**	**.23494**	**396.49**	**.01013**
Stddev	.00010	.00012	.129	.1006	.00117	.0019	.00003	.00211	3.13	.00043
%RSD	1.5266	1.1635	.68959	1.0560	17.582	.02561	.01583	.89640	.78910	4.2647
#1	.00693	.01077	18.675	9.4580	.00584	7.5952	.17886	.23345	394.27	.00982
#2	.00678	.01060	18.858	9.6003	.00750	7.5979	.17890	.23643	398.70	.01043
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.37875**	**.00201**	**8.9527**	**.00087**	**-.00090**	**7.3285**	**15.683**	**.00055**	**.13216**	**.00008**
Stddev	.00473	.00067	.0395	.00071	.00170	.0803	.172	.00029	.00061	.00087
%RSD	1.2498	33.416	.44133	81.780	188.40	1.0963	1.0963	52.265	.46141	1021.5
#1	.38209	.00249	8.9806	.00037	.00030	7.2717	15.561	.00035	.13173	-.00053
#2	.37540	.00154	8.9247	.00138	-.00211	7.3853	15.805	.00075	.13259	.00070
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.03135**	**-.00060**	**.03018**	**.00565**	**.01956**	**.00025**
Stddev	.00030	.00062	.00366	.00020	.00037	.00123
%RSD	.94396	104.61	12.139	3.4958	1.9054	488.54
#1	.03114	-.00016	.03277	.00552	.01983	.00112
#2	.03156	-.00104	.02759	.00579	.01930	-.00062
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**3236.4**	**51119.**	**6308.0**
Stddev	3.0	84.	85.7
%RSD	.09131	.16407	1.3580
#1	3238.5	51059.	6368.6
#2	3234.3	51178.	6247.4

Sample Name: SD 280-28276-a-1-b@5 Acquired: 5/3/2012 18:08:47 Type: Unk
Method: 6500_025(v2) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 117700 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00091**	**.47497**	**-.00240**	**.07093**	**.00724**	**.00000**	**-.00218**	**1.6313**	**.00011**	**.00135**
Stddev	.00026	.00298	.00037	.00089	.00002	.00000	.00136	.0169	.00004	.00001
%RSD	28.563	.62638	15.504	1.2497	.26271	101.19	62.535	1.0366	38.311	.52460
#1	.00109	.47707	-.00267	.07156	.00725	.00001	-.00121	1.6193	.00015	.00135
#2	.00072	.47286	-.00214	.07030	.00723	.00000	-.00314	1.6433	.00008	.00134
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00139**	**.00152**	**3.8375**	**1.9553**	**.00242**	**1.5642**	**.03568**	**.04731**	**81.093**	**.00180**
Stddev	.00015	.00004	.0399	.0024	.00048	.0160	.00056	.00008	.847	.00012
%RSD	10.579	2.3639	1.0412	.12518	19.669	1.0231	1.5737	.17718	1.0443	6.7160
#1	.00150	.00155	3.8092	1.9571	.00208	1.5529	.03529	.04725	80.494	.00188
#2	.00129	.00150	3.8657	1.9536	.00276	1.5755	.03608	.04737	81.691	.00171
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.07742**	**.00032**	**1.7421**	**.00000**	**-.00101**	**1.5676**	**3.3546**	**-.00082**	**.02666**	**.00068**
Stddev	.00387	.00013	.0019	.0003	.00113	.0221	.0472	.00072	.00018	.00098
%RSD	5.0030	41.677	.10675	7418.4	111.31	1.4081	1.4081	87.109	.68392	142.89
#1	.07468	.00023	1.7408	-.00019	-.00181	1.5520	3.3212	-.00133	.02653	.00138
#2	.08016	.00042	1.7434	.00018	-.00022	1.5832	3.3880	-.00032	.02678	-.00001
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00753**	**-.00258**	**.00129**	**.00063**	**.00798**	**.00010**
Stddev	.00016	.00186	.02256	.00036	.00022	.00173
%RSD	2.0640	72.196	1744.3	56.730	2.8131	1670.6
#1	.00742	-.00390	.01724	.00038	.00782	.00133
#2	.00764	-.00126	-.01466	.00089	.00814	-.00112
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**3355.2**	**53209.**	**6007.1**
Stddev	4.5	401.	60.9
%RSD	.13449	.75341	1.0142
#1	3352.0	53492.	6050.2
#2	3358.4	52925.	5964.1

Sample Name: 280-28276-a-1-c ms Acquired: 5/3/2012 18:11:09 Type: Unk
Method: 6500_025(v2) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 117700 6010B

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.05298**	**6.2002**	**1.0198**	**1.2365**	**1.9610**	**.04515**	F **1.9721**	**51.601**	**.09777**	**.47162**
Stddev	.00054	.0069	.0008	.0071	.0091	.00001	.0074	.202	.00022	.00180
%RSD	1.0132	.11198	.08166	.57341	.46479	.02581	.37521	.39067	.22308	.38254
#1	.05336	6.2052	1.0204	1.2415	1.9675	.04516	1.9773	51.743	.09793	.47290
#2	.05260	6.1953	1.0193	1.2315	1.9546	.04514	1.9668	51.458	.09762	.47035
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit							.10000			
Low Limit							-.10000			

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.20401**	**.27170**	**19.513**	**58.503**	**.94731**	**53.119**	**.67625**	**1.2175**	**437.11**	**.47401**
Stddev	.00042	.00254	.086	.115	.00800	.016	.00027	.0023	1.89	.00136
%RSD	.20807	.93310	.44041	.19689	.84476	.03095	.03995	.19001	.43148	.28667
#1	.20431	.27349	19.574	58.585	.95297	53.107	.67644	1.2192	438.45	.47497
#2	.20371	.26990	19.453	58.422	.94165	53.131	.67605	1.2159	435.78	.47305
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **9.6287**	**.46560**	**8.0943**	**.46405**	**1.7802**	**19.395**	**41.506**	**1.8939**	**1.0915**	**1.0218**
Stddev	.0472	.00192	.0145	.00382	.0111	.126	.270	.0017	.0060	.0022
%RSD	.48978	.41276	.17953	.82223	.62354	.65088	.65088	.09046	.54767	.21790
#1	9.6621	.46696	8.1046	.46675	1.7724	19.485	41.697	1.8927	1.0957	1.0203
#2	9.5954	.46424	8.0840	.46135	1.7881	19.306	41.315	1.8951	1.0872	1.0234
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	2.0000									
Low Limit	-1.0000									

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.0105**	**1.7791**	**2.1495**	**.50764**	**.46397**	**.47537**
Stddev	.0029	.0157	.0132	.00252	.00183	.00402
%RSD	.28875	.88016	.61491	.49654	.39340	.84592
#1	1.0126	1.7902	2.1588	.50943	.46268	.47822
#2	1.0084	1.7680	2.1401	.50586	.46526	.47253
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**3176.1**	**49674.**	**6095.5**
Stddev	8.5	60.	37.5
%RSD	.26859	.12025	.61448
#1	3170.1	49631.	6122.0
#2	3182.2	49716.	6069.0

Sample Name: 280-28276-a-1-d msd Acquired: 5/3/2012 18:13:22 Type: Unk
Method: 6500_025(v2) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 117700 6010B

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.05291**	**5.9002**	**1.0196**	**1.2289**	**1.9540**	**.04510**	F **1.9616**	**51.678**	**.09741**	**.47049**
Stddev	.00006	.0276	.0008	.0040	.0056	.00008	.0073	.192	.00043	.00137
%RSD	.11572	.46744	.07604	.32422	.28400	.17244	.37150	.37209	.44577	.29148
#1	.05287	5.9197	1.0191	1.2261	1.9579	.04505	1.9565	51.814	.09711	.46952
#2	.05296	5.8807	1.0202	1.2317	1.9500	.04516	1.9668	51.542	.09772	.47146
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit							.10000			
Low Limit							-.10000			

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.20337**	**.26893**	**18.893**	**58.266**	**.94524**	**53.263**	**.67201**	**1.2051**	**434.04**	**.47152**
Stddev	.00038	.00019	.061	.187	.00203	.206	.00070	.0010	1.66	.00132
%RSD	.18611	.07009	.32316	.32037	.21505	.38627	.10353	.08312	.38190	.28058
#1	.20310	.26907	18.936	58.398	.94667	53.118	.67152	1.2044	435.21	.47059
#2	.20363	.26880	18.850	58.134	.94380	53.409	.67251	1.2058	432.87	.47246
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **9.5960**	**.46550**	**7.9645**	**.46559**	**1.7690**	**18.831**	**40.299**	**1.8888**	**1.0864**	**1.0261**
Stddev	.0410	.00149	.0078	.00251	.0093	.072	.153	.0071	.0029	.0009
%RSD	.42724	.31936	.09845	.53905	.52655	.38044	.38044	.37471	.27159	.09135
#1	9.5670	.46655	7.9590	.46381	1.7756	18.882	40.407	1.8838	1.0885	1.0268
#2	9.6250	.46445	7.9701	.46736	1.7624	18.781	40.190	1.8938	1.0844	1.0254
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	2.0000									
Low Limit	-1.0000									

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.0084**	**1.7820**	**2.1491**	**.50832**	**.46304**	**.47417**
Stddev	.0014	.0045	.0164	.00032	.00555	.00136
%RSD	.13691	.25382	.76074	.06246	1.1985	.28664
#1	1.0074	1.7852	2.1607	.50810	.45911	.47513
#2	1.0093	1.7788	2.1376	.50855	.46696	.47321
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**3160.5**	**49319.**	**6068.8**
Stddev	8.8	179.	12.5
%RSD	.27919	.36305	.20550
#1	3166.8	49445.	6060.0
#2	3154.3	49192.	6077.7

Sample Name: 280-28276-a-2-b Acquired: 5/3/2012 18:15:37 Type: Unk
Method: 6500_025(v2) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 117700 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00553	.70456	.00126	.47876	.01883	.00013	-.00306	5.5255	.00016	.00037
Stddev	.00019	.00427	.00177	.00251	.00006	.00003	.00242	.0164	.00013	.00003
%RSD	3.4293	.60573	140.56	.52377	.33425	22.553	79.321	.29658	78.343	8.7198
#1	.00539	.70757	.00001	.48054	.01878	.00011	-.00134	5.5371	.00025	.00040
#2	.00566	.70154	.00252	.47699	.01887	.00014	-.00477	5.5139	.00007	.00035
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00088	.00271	4.8980	11.921	.00326	.71483	.09731	.96891	334.57	.00220
Stddev	.00019	.00015	.0081	.066	.00255	.00567	.00002	.00198	.35	.00009
%RSD	21.318	5.5284	.16451	.55651	78.201	.79270	.01716	.20434	.10477	4.2067
#1	.00075	.00260	4.8923	11.968	.00506	.71884	.09732	.97031	334.33	.00213
#2	.00102	.00282	4.9037	11.874	.00146	.71082	.09730	.96751	334.82	.00226
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.39688	.00060	18.707	.00244	-.00285	4.4672	9.5598	.00105	.18022	.00147
Stddev	.00002	.00002	.029	.00030	.00719	.0164	.0352	.00068	.00051	.00013
%RSD	.00541	2.8709	.15743	12.314	251.94	.36779	.36779	64.885	.28045	9.0082
#1	.39690	.00061	18.728	.00265	-.00794	4.4788	9.5846	.00153	.17986	.00137
#2	.39687	.00058	18.686	.00223	.00223	4.4556	9.5349	.00057	.18058	.00156
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00825	-.00055	-.00795	.00041	.00917	-.00033
Stddev	.00044	.00133	.02127	.00031	.00029	.00202
%RSD	5.2972	241.92	267.49	76.252	3.1761	611.76
#1	.00856	-.00149	.00709	.00063	.00937	.00110
#2	.00794	.00039	-.02299	.00019	.00896	-.00175
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	3238.6	50606.	6049.9
Stddev	20.1	89.	110.9
%RSD	.62016	.17506	1.8333
#1	3224.4	50668.	5971.5
#2	3252.8	50543.	6128.3

Sample Name: 280-28276-a-3-b Acquired: 5/3/2012 18:18:03 Type: Unk
Method: 6500_025(v2) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 117700 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00060**	**.03205**	**.00175**	**.01843**	**.22457**	**.00007**	**-.00305**	**100.22**	**.00054**	**.00347**
Stddev	.00009	.00055	.00310	.00006	.00057	.00002	.00251	.18	.00007	.00009
%RSD	15.708	1.7270	177.44	.34801	.25219	35.271	82.227	.17986	12.757	2.6790
#1	.00054	.03244	.00394	.01839	.22417	.00005	-.00128	100.09	.00059	.00340
#2	.00067	.03166	-.00045	.01848	.22497	.00009	-.00482	100.35	.00049	.00354
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00032**	**.00112**	**17.900**	**2.0998**	**.00639**	**21.648**	**.81915**	**.00323**	**90.044**	**.00066**
Stddev	.00007	.00006	.073	.0178	.00055	.219	.00970	.00050	.556	.00023
%RSD	21.157	5.4845	.41017	.84888	8.5243	1.0118	1.1836	15.616	.61702	34.549
#1	.00027	.00116	17.848	2.0872	.00678	21.494	.81229	.00287	89.651	.00050
#2	.00036	.00108	17.952	2.1124	.00601	21.803	.82600	.00359	90.437	.00082
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.04130**	**-.00018**	**34.084**	**-.00017**	**.00197**	**5.4894**	**11.747**	**-.00096**	**.83309**	**.00066**
Stddev	.00224	.00081	.025	.00197	.00399	.0060	.013	.00086	.00399	.00007
%RSD	5.4209	453.93	.07337	1177.4	202.54	.10841	.10841	89.831	.47877	10.789
#1	.04288	-.00076	34.066	-.00156	.00479	5.4937	11.756	-.00035	.83027	.00071
#2	.03972	.00040	34.101	.00123	-.00085	5.4852	11.738	-.00157	.83591	.00061
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00055**	**-.00072**	**-.00227**	**.00002**	**.00432**	**.00089**
Stddev	.00041	.00205	.00629	.00010	.00014	.00038
%RSD	74.450	285.75	277.49	622.28	3.2068	43.110
#1	.00026	.00073	-.00672	.00009	.00441	.00116
#2	.00083	-.00217	.00218	-.00006	.00422	.00062
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**3288.0**	**52304.**	**6258.2**
Stddev	10.7	415.	39.8
%RSD	.32465	.79267	.63579
#1	3295.6	52598.	6286.4
#2	3280.5	52011.	6230.1

Sample Name: 280-28276-a-4-b Acquired: 5/3/2012 18:20:26 Type: Unk
Method: 6500_025(v2) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 117700 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00087**	**.41242**	**-.00355**	**.20687**	**.02029**	**.00003**	**-.00856**	**465.50**	**.00115**	**.00204**
Stddev	.00028	.00016	.00159	.00190	.00028	.00007	.00096	4.24	.00003	.00012
%RSD	32.490	.03931	44.801	.91700	1.3798	247.95	11.267	.91043	2.6141	5.8107
#1	.00107	.41230	-.00467	.20553	.02049	.00008	-.00925	468.49	.00113	.00195
#2	.00067	.41253	-.00242	.20821	.02009	-.00002	-.00788	462.50	.00117	.00212
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00137**	**.00159**	**1.2150**	**3.3546**	**.04517**	**152.18**	**.55755**	**.00102**	**430.28**	**.00153**
Stddev	.00009	.00030	.0094	.0315	.00026	.23	.00188	.00008	1.26	.00006
%RSD	6.7747	18.878	.77259	.94010	.58523	.15150	.33794	7.6700	.29233	4.1100
#1	.00144	.00180	1.2217	3.3323	.04499	152.02	.55622	.00096	431.17	.00157
#2	.00131	.00137	1.2084	3.3769	.04536	152.35	.55889	.00107	429.39	.00148
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.05097**	**.00224**	F **634.67**	**-.00013**	**.00055**	**7.2035**	**15.415**	**-.00071**	W **6.9398**	**-.00033**
Stddev	.00163	.00141	1.09	.00239	.00131	.0621	.133	.00000	.1154	.00232
%RSD	3.2002	63.029	.17202	1909.2	235.85	.86207	.86207	.35193	1.6630	698.01
#1	.05213	.00324	633.90	-.00181	.00148	7.2474	15.509	-.00071	6.8582	-.00198
#2	.04982	.00124	635.45	.00156	-.00037	7.1595	15.321	-.00071	7.0214	.00131
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass
High Limit			200.00						5.0000	
Low Limit			-.20000						-.01000	

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01076**	**-.00376**	**-.00368**	**.00238**	**.00813**	**.00117**
Stddev	.00015	.00009	.00763	.00013	.00086	.00037
%RSD	1.3654	2.2714	207.51	5.4686	10.532	32.009
#1	.01087	-.00382	.00172	.00248	.00753	.00143
#2	.01066	-.00370	-.00907	.00229	.00874	.00091
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**3051.7**	**48593.**	**6135.9**
Stddev	7.6	30.	52.5
%RSD	.24919	.06094	.85529
#1	3046.3	48572.	6098.8
#2	3057.0	48614.	6173.0

Sample Name: 280-28276-a-5-b Acquired: 5/3/2012 18:23:06 Type: Unk
Method: 6500_025(v2) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 117700 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00073**	**1.2525**	**-.00484**	**.22112**	**.01962**	**.00019**	**-.00638**	**447.17**	**.00160**	**.00357**
Stddev	.00011	.0159	.00311	.00147	.00022	.00001	.00099	4.60	.00011	.00036
%RSD	15.703	1.2672	64.365	.66337	1.1000	4.2284	15.511	1.0295	6.5966	10.065
#1	.00065	1.2637	-.00263	.22215	.01947	.00020	-.00708	450.43	.00152	.00332
#2	.00081	1.2413	-.00704	.22008	.01977	.00019	-.00568	443.91	.00167	.00382
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00364**	**.00316**	**3.3842**	**3.6392**	**.04608**	**153.35**	**.87926**	**.00071**	**395.28**	**.00379**
Stddev	.00006	.00005	.0067	.0192	.00146	.61	.00535	.00025	.35	.00027
%RSD	1.7103	1.4348	.19790	.52693	3.1695	.39689	.60888	36.018	.08838	7.2160
#1	.00368	.00319	3.3795	3.6257	.04504	152.92	.87547	.00053	395.52	.00398
#2	.00360	.00313	3.3890	3.6528	.04711	153.78	.88304	.00089	395.03	.00360
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.08377**	**.00241**	F **611.61**	**.00188**	**.00246**	**8.5536**	**18.305**	**-.00011**	W **6.9529**	**-.00041**
Stddev	.00430	.00070	2.56	.00078	.00167	.0003	.001	.00141	.0358	.00036
%RSD	5.1285	29.153	.41929	41.528	68.124	.00392	.00392	1282.7	.51496	86.648
#1	.08074	.00291	613.42	.00133	.00127	8.5539	18.305	-.00110	6.9782	-.00016
#2	.08681	.00192	609.79	.00243	.00364	8.5534	18.304	.00088	6.9276	-.00067
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass
High Limit			200.00						5.0000	
Low Limit			-.20000						-.01000	

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.02606**	**-.00403**	**-.00811**	**.00578**	**.01436**	**.00020**
Stddev	.00054	.00344	.00451	.00012	.00116	.00035
%RSD	2.0584	85.232	55.561	2.0269	8.0672	176.66
#1	.02644	-.00647	-.00493	.00586	.01354	-.00005
#2	.02568	-.00160	-.01130	.00570	.01517	.00045
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**3042.4**	**49108.**	**6266.9**
Stddev	10.4	387.	28.2
%RSD	.34114	.78711	.44940
#1	3035.0	49381.	6286.8
#2	3049.7	48835.	6247.0

Sample Name: CCVH-1390999 Acquired: 5/3/2012 18:25:45 Type: QC
Method: 6500_025(v2) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00131**	**46.351**	**.00313**	**.00416**	**.00039**	**.00002**	**.98969**	**.03412**	**.00016**	**.00056**	**.00041**	**-.00616**
Stddev	.00018	.086	.00290	.00083	.00010	.00000	.00461	.01045	.00005	.00028	.00003	.00059
%RSD	13.592	.18638	92.775	19.889	25.262	22.604	.46555	30.625	32.791	48.967	7.8857	9.5122
#1	-.00144	46.412	.00519	.00474	.00046	.00002	.98644	.04151	.00020	.00076	.00043	-.00657
#2	-.00119	46.290	.00108	.00357	.00032	.00002	.99295	.02673	.00012	.00037	.00039	-.00574
Check ?	None	Chk Pass	None	None	None	None	Chk Pass	None	None	None	None	None
Value												
Range												

Elem	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316	P_1782	Pb2203	S_1820	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**46.444**	**.13221**	**.00045**	**-.02490**	**.00018**	**-.00070**	**236.17**	**.00162**	**.00523**	**-.00092**	**5.0002**	**-.00265**
Stddev	.105	.02056	.00022	.00049	.00002	.00004	.36	.00058	.00406	.00016	.0107	.00095
%RSD	.22630	15.548	49.656	1.9832	9.1643	6.0657	.15181	35.856	77.621	17.349	.21504	35.822
#1	46.519	.11767	.00029	-.02524	.00017	-.00073	236.42	.00121	.00236	-.00081	5.0078	-.00198
#2	46.370	.14674	.00061	-.02455	.00019	-.00067	235.92	.00203	.00811	-.00104	4.9926	-.00332
Check ?	Chk Pass	None	None	None	None	None	Chk Pass	None	None	None	Chk Pass	None
Value												
Range												

Elem	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00127**	**.02659**	**.05690**	**.00090**	**.00080**	**5.0471**	**.00957**	**-.00266**	W **10.552**	**-.00502**	**.00244**	**-.05908**
Stddev	.00186	.00711	.01522	.00023	.00021	.0510	.00046	.00193	.162	.00017	.00064	.00168
%RSD	146.33	26.753	26.753	25.948	26.575	1.0100	4.8553	72.514	1.5313	3.3560	26.175	2.8404
#1	-.00004	.03162	.06766	.00074	.00095	5.0111	.00990	-.00402	10.437	-.00490	.00199	-.05789
#2	.00259	.02156	.04613	.00107	.00065	5.0832	.00924	-.00130	10.666	-.00514	.00289	-.06026
Check ?	None	None	None	None	None	Chk Pass	None	None	Chk Warn	None	None	None
Value									10.000			
Range									5.0000%			

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**3385.9**	**54389.**	**6562.4**
Stddev	.5	408.	34.4
%RSD	.01368	.75021	.52460
#1	3385.6	54678.	6538.0
#2	3386.2	54101.	6586.7

Sample Name: CCV-1390955 Acquired: 5/3/2012 18:28:06 Type: QC
Method: 6500_025(v2) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.51028**	**.47213**	**1.0304**	**.48643**	**.49349**	**.45096**	**-.00446**	W **4.4911**	**.50604**	**.50198**	**.51185**	**.53595**
Stddev	.00351	.00956	.0093	.00656	.00057	.00160	.00303	.0250	.00731	.00888	.00823	.00266
%RSD	.68698	2.0249	.90230	1.3485	.11538	.35398	67.944	.55630	1.4453	1.7693	1.6070	.49600
#1	.51276	.46537	1.0238	.48179	.49389	.45209	-.00661	4.5088	.50087	.49570	.50603	.53783
#2	.50780	.47889	1.0370	.49106	.49308	.44983	-.00232	4.4735	.51122	.50826	.51766	.53407
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value								5.0000				
Range								-10.000%				

Elem	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**2.4448**	**47.816**	**.94431**	**18.762**	**.50462**	**.51481**	**4.7548**	**.50023**	**.92690**	**1.0394**	**.05648**	**.97859**
Stddev	.0039	.065	.00381	.163	.00352	.00827	.0210	.00747	.01293	.0141	.00116	.01163
%RSD	.15741	.13578	.40366	.87143	.69737	1.6068	.44109	1.4930	1.3945	1.3553	2.0619	1.1887
#1	2.4475	47.862	.94700	18.877	.50711	.50896	4.7696	.49495	.91776	1.0295	.05730	.97036
#2	2.4421	47.770	.94161	18.646	.50214	.52065	4.7399	.50551	.93604	1.0494	.05565	.98681
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass
Value												
Range												

Elem	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.0295**	F **4.4630**	F **9.5509**	**1.0102**	**.48473**	**.00128**	**.48697**	**1.0181**	**.01555**	**.49618**	F **.44092**	**.49436**
Stddev	.0154	.0231	.0493	.0193	.00084	.00013	.00211	.0159	.03293	.00102	.00422	.00035
%RSD	1.4937	.51649	.51649	1.9155	.17427	10.491	.43299	1.5610	211.80	.20570	.95790	.07091
#1	1.0187	4.4467	9.5160	.99647	.48533	.00118	.48846	1.0068	-.00774	.49690	.44390	.49412
#2	1.0404	4.4793	9.5858	1.0238	.48413	.00137	.48548	1.0293	.03883	.49546	.43793	.49461
Check ?	Chk Pass	Chk Fail	Chk Fail	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	None	Chk Pass	Chk Fail	Chk Pass
Value		5.0000	10.700								.50000	
Range		-10.490%	-10.490%								-10.490%	

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**3438.1**	**56051.**	**6645.4**
Stddev	50.3	275.	18.1
%RSD	1.4624	.49040	.27231
#1	3473.6	55856.	6632.6
#2	3402.5	56245.	6658.2

Sample Name: CCB Acquired: 5/3/2012 18:30:19 Type: QC
Method: 6500_025(v2) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00072**	**.00013**	**-.00166**	**.00139**	**.00014**	**.00009**	**-.00102**	**.00311**	**.00016**	**.00013**	**-.00004**	**-.00106**	**.00183**
Stddev	.00018	.00060	.00099	.00028	.00004	.00008	.00032	.00951	.00004	.00016	.00002	.00008	.00003
%RSD	25.438	456.28	59.680	19.893	27.875	84.622	31.492	305.92	21.929	125.67	55.647	7.4582	1.3771
#1	.00059	-.00029	-.00236	.00119	.00011	.00015	-.00079	-.00362	.00014	.00024	-.00003	-.00111	.00185
#2	.00085	.00056	-.00096	.00159	.00017	.00004	-.00124	.00984	.00019	.00001	-.00006	-.00100	.00181
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit													
Low Limit													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.07119**	**.00087**	**-.00057**	**.00001**	**.00079**	F **.31200**	**.00024**	**-.00035**	**-.00063**	**.04087**	**.00189**	**-.00350**	**.01618**
Stddev	.00773	.00186	.00003	.00003	.00058	.00895	.00010	.00243	.00069	.00350	.00089	.00301	.00216
%RSD	10.855	212.90	4.7476	257.79	73.335	2.8680	43.391	697.10	110.06	8.5671	46.848	85.948	13.322
#1	.07666	.00219	-.00059	.00004	.00038	.30567	.00017	-.00207	-.00014	.04335	.00126	-.00137	.01770
#2	.06573	-.00044	-.00055	-.00001	.00120	.31833	.00031	.00137	-.00112	.03840	.00252	-.00562	.01466
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						.18320							
Low Limit						-.18320							

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.03463**	**.00026**	**.00018**	**.00017**	**.00026**	**-.00036**	**-.00805**	**-.00024**	**.00267**	**.00201**
Stddev	.00461	.00072	.00013	.00109	.00005	.00047	.01098	.00016	.00003	.00033
%RSD	13.322	274.20	70.178	643.91	18.798	130.77	136.39	67.074	1.2067	16.203
#1	.03789	-.00025	.00009	.00094	.00030	-.00003	-.01581	-.00013	.00269	.00224
#2	.03136	.00077	.00027	-.00060	.00023	-.00070	-.00029	-.00035	.00265	.00178
Check ?	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**3538.3**	**57534.**	**6630.3**
Stddev	7.7	134.	8.6
%RSD	.21741	.23272	.12995
#1	3543.7	57629.	6624.2
#2	3532.8	57439.	6636.4

Sample Name: CCVL1397430 Acquired: 5/3/2012 18:32:44 Type: QC
Method: 6500_025(v2) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01122**	**.09547**	F **.01036**	**.09502**	**.01033**	**.00094**	**.10538**	**.17477**	**.00514**	**.01001**	**.01021**	**.01523**	**.09952**
Stddev	.00004	.00034	.00075	.00048	.00003	.00001	.00050	.00412	.00007	.00011	.00033	.00036	.00055
%RSD	.32625	.35173	7.2552	.50899	.33197	1.4407	.47619	2.3560	1.3276	1.1380	3.2783	2.3905	.54936
#1	.01124	.09570	.01089	.09536	.01030	.00095	.10502	.17186	.00519	.01009	.00997	.01497	.09913
#2	.01119	.09523	.00983	.09468	.01035	.00093	.10573	.17768	.00509	.00993	.01044	.01548	.09990
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value			.01500										
Range			-30.000%										

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**2.9165**	**.01205**	**.18920**	**.01024**	**.01998**	**1.2206**	**.03961**	**2.6094**	**.00809**	**.06292**	F **.00683**	F **.00901**	**.45730**
Stddev	.0277	.00198	.00218	.00001	.00016	.0024	.00020	.0052	.00086	.00614	.00032	.00163	.00819
%RSD	.94918	16.460	1.1544	.11887	.78088	.19766	.50222	.20015	10.613	9.7509	4.7015	18.076	1.7902
#1	2.8969	.01345	.19075	.01023	.02009	1.2223	.03947	2.6131	.00748	.05858	.00706	.01017	.45151
#2	2.9361	.01065	.18766	.01024	.01987	1.2189	.03975	2.6057	.00869	.06726	.00661	.00786	.46309
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Fail	Chk Fail	Chk Pass
Value											.01000	.01500	
Range											-30.000%	-30.000%	

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.97861**	**.10068**	**.00969**	**.01505**	**.00973**	**.01292**	F **.09334**	**.00968**	**.02027**	**.01378**
Stddev	.01752	.00034	.00008	.00034	.00023	.00000	.01172	.00027	.00095	.00193
%RSD	1.7902	.33484	.80716	2.2725	2.3845	.01339	12.553	2.8404	4.7102	14.023
#1	.96623	.10092	.00964	.01529	.00989	.01292	.08506	.00987	.02095	.01514
#2	.99100	.10044	.00975	.01480	.00957	.01292	.10163	.00948	.01960	.01241
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
Value							.06000			
Range							30.000%			

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**3541.1**	**57386.**	**6782.5**
Stddev	2.5	114.	6.2
%RSD	.07083	.19902	.09100
#1	3539.3	57305.	6786.9
#2	3542.9	57467.	6778.2

Sample Name: 280-28276-a-6-b Acquired: 5/3/2012 18:35:07 Type: Unk
Method: 6500_025(v2) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 117700 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00058**	**1.4485**	**-.00103**	**.04945**	**.05991**	**.00014**	**-.00296**	**166.28**	**.00074**	**.00251**
Stddev	.00001	.0055	.00561	.00037	.00027	.00001	.00230	.70	.00033	.00018
%RSD	1.6207	.37929	542.56	.75408	.45105	5.5303	77.878	.41968	44.557	7.3617
#1	.00059	1.4523	.00293	.04918	.06010	.00014	-.00458	165.79	.00051	.00238
#2	.00057	1.4446	-.00500	.04971	.05972	.00015	-.00133	166.78	.00097	.00264
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00358**	**.00271**	**3.0210**	**1.3777**	**.02070**	**33.748**	**1.0893**	**.00035**	**166.86**	**.00400**
Stddev	.00006	.00017	.0035	.0022	.00046	.084	.0012	.00020	.68	.00014
%RSD	1.5988	6.1937	.11634	.16263	2.2245	.24923	.11144	56.737	.40845	3.4080
#1	.00354	.00283	3.0235	1.3793	.02038	33.688	1.0884	.00050	167.34	.00390
#2	.00362	.00259	3.0185	1.3761	.02103	33.807	1.0901	.00021	166.37	.00410
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.07446**	**.00173**	**157.83**	**.00013**	**-.00179**	**9.4248**	**20.169**	**.00030**	**2.2395**	**.00151**
Stddev	.00588	.00190	.08	.00021	.00094	.0462	.099	.00039	.0061	.00056
%RSD	7.8967	109.68	.05267	160.22	52.439	.49047	.49047	131.73	.27249	36.958
#1	.07862	.00039	157.77	.00028	-.00112	9.3921	20.099	.00002	2.2438	.00112
#2	.07031	.00308	157.89	-.00002	-.00245	9.4575	20.239	.00057	2.2352	.00191
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.02864**	**-.00135**	**-.00428**	**.00466**	**.01199**	**.00236**
Stddev	.00166	.00175	.02205	.00002	.00040	.00032
%RSD	5.7787	129.59	515.16	.51008	3.3508	13.556
#1	.02747	-.00258	-.01987	.00465	.01171	.00213
#2	.02981	-.00011	.01131	.00468	.01228	.00259
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**3281.2**	**53368.**	**6700.1**
Stddev	1.7	29.	2.6
%RSD	.05286	.05482	.03928
#1	3280.0	53388.	6698.3
#2	3282.4	53347.	6702.0

Sample Name: 280-28276-a-7-b Acquired: 5/3/2012 18:37:31 Type: Unk
Method: 6500_025(v2) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 117700 6010B

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00076**	**7.2658**	**-.00223**	**.10943**	**.24417**	**.00034**	**-.00571**	**182.00**	**.00090**	**.00283**
Stddev	.00015	.0216	.00332	.00041	.00067	.00000	.00343	2.28	.00001	.00001
%RSD	19.864	.29740	149.12	.37744	.27429	.07560	60.034	1.2554	1.3346	.23860
#1	.00066	7.2505	-.00458	.10914	.24369	.00034	-.00329	183.61	.00091	.00284
#2	.00087	7.2811	.00012	.10972	.24464	.00034	-.00814	180.38	.00089	.00283
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01036**	**.00742**	**9.0990**	**2.2779**	**.02524**	**44.638**	**.40827**	**.00149**	**169.40**	**.00782**
Stddev	.00009	.00003	.0279	.0027	.00105	.201	.00122	.00010	.01	.00020
%RSD	.83800	.43735	.30655	.11903	4.1403	.45027	.29934	6.7113	.00652	2.5883
#1	.01030	.00739	9.0793	2.2798	.02598	44.496	.40740	.00156	169.39	.00767
#2	.01042	.00744	9.1187	2.2760	.02450	44.780	.40913	.00142	169.41	.00796
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.20680**	**.00627**	F **207.25**	**.00028**	**.00021**	**17.845**	**38.189**	**-.00054**	**2.0067**	**.00092**
Stddev	.00272	.00001	.34	.00165	.00130	.021	.045	.00042	.0012	.00055
%RSD	1.3148	.13650	.16519	585.40	626.73	.11767	.11767	77.270	.06161	59.877
#1	.20488	.00626	207.01	.00145	.00113	17.860	38.221	-.00024	2.0058	.00053
#2	.20872	.00627	207.49	-.00088	-.00071	17.830	38.157	-.00083	2.0076	.00132
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit			200.00							
Low Limit			-.20000							

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.07399**	**-.00187**	**.01334**	**.01395**	**.02774**	**.00384**
Stddev	.00054	.00058	.02137	.00005	.00033	.00012
%RSD	.73391	30.852	160.18	.32875	1.1911	3.1789
#1	.07361	-.00146	.02846	.01398	.02751	.00392
#2	.07438	-.00227	-.00177	.01391	.02798	.00375
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**3292.4**	**53399.**	**6716.6**
Stddev	2.9	152.	54.5
%RSD	.08811	.28386	.81099
#1	3290.4	53506.	6678.1
#2	3294.5	53292.	6755.1

Sample Name: 280-28276-a-8-b Acquired: 5/3/2012 18:39:57 Type: Unk
Method: 6500_025(v2) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 117700 6010B

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00081**	**8.8531**	**.01120**	**.09353**	**.11984**	**.00076**	**-.00425**	**183.47**	**.00109**	**.01309**
Stddev	.00019	.0207	.00747	.00077	.00001	.00000	.00241	3.09	.00001	.00027
%RSD	23.682	.23374	66.676	.82566	.00542	.61452	56.848	1.6844	.86392	2.0316
#1	.00094	8.8384	.01648	.09298	.11985	.00076	-.00596	181.29	.00109	.01290
#2	.00067	8.8677	.00592	.09408	.11984	.00075	-.00254	185.66	.00110	.01328
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.02359**	**.01794**	**22.958**	**3.4148**	**.03544**	**42.590**	**2.1940**	**.00159**	**172.20**	**.02243**
Stddev	.00007	.00014	.007	.0081	.00090	.027	.0001	.00046	.22	.00016
%RSD	.29273	.77090	.02956	.23603	2.5455	.06434	.00210	29.064	.12581	.70076
#1	.02354	.01804	22.954	3.4205	.03480	42.570	2.1940	.00192	172.35	.02232
#2	.02364	.01784	22.963	3.4091	.03608	42.609	2.1939	.00127	172.05	.02254
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.49405**	**.01445**	F **203.92**	**.00365**	**.00054**	**18.714**	**40.048**	**-.00019**	**3.0117**	**.00268**
Stddev	.00421	.00074	.27	.00013	.00077	.013	.029	.00066	.0001	.00088
%RSD	.85274	5.1564	.13240	3.4986	141.42	.07162	.07162	356.35	.00176	32.817
#1	.49703	.01392	203.73	.00374	.00109	18.723	40.068	.00028	3.0117	.00331
#2	.49107	.01497	204.11	.00356	.00000	18.704	40.028	-.00066	3.0116	.00206
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit			200.00							
Low Limit			-.20000							

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.10377**	**-.00321**	**-.00958**	**.03273**	**.06820**	**.00389**
Stddev	.00014	.00034	.01988	.00011	.00075	.00152
%RSD	.13160	10.463	207.59	.34047	1.1062	38.980
#1	.10387	-.00345	-.02363	.03281	.06873	.00282
#2	.10367	-.00297	.00448	.03265	.06767	.00496
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**3282.6**	**53396.**	**6799.1**
Stddev	14.9	28.	30.6
%RSD	.45281	.05179	.45045
#1	3293.1	53377.	6777.4
#2	3272.1	53416.	6820.7

Sample Name: 280-28276-a-9-b Acquired: 5/3/2012 18:42:22 Type: Unk
Method: 6500_025(v2) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 117700 6010B

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00119**	**9.7800**	**.01252**	**.08699**	**.13927**	**.00068**	**-.00615**	**182.60**	**.00091**	**.01262**
Stddev	.00039	.0421	.00251	.00017	.00024	.00002	.00295	.33	.00003	.00010
%RSD	32.678	.43078	20.075	.19054	.16946	2.5378	47.963	.18232	3.8086	.81622
#1	.00147	9.7502	.01429	.08687	.13910	.00067	-.00824	182.83	.00094	.01255
#2	.00092	9.8098	.01074	.08711	.13944	.00069	-.00407	182.36	.00089	.01270
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.02457**	**.01856**	**23.068**	**3.4544**	**.03252**	**40.014**	**1.2116**	**.00131**	**175.89**	**.02530**
Stddev	.00019	.00007	.001	.0201	.00006	.162	.0017	.00007	.56	.00005
%RSD	.77477	.38059	.00607	.58245	.17810	.40496	.13847	5.5679	.31746	.18960
#1	.02470	.01861	23.069	3.4686	.03248	40.129	1.2128	.00126	175.49	.02527
#2	.02443	.01851	23.067	3.4402	.03256	39.900	1.2105	.00136	176.28	.02533
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.52548**	**.01469**	W **191.85**	**.00053**	**-.00031**	**20.363**	**43.576**	**-.00080**	**2.9247**	**.00284**
Stddev	.00342	.00166	.44	.00023	.00283	.131	.280	.00150	.0053	.00059
%RSD	.65111	11.297	.23148	42.974	897.86	.64301	.64301	186.73	.18264	20.684
#1	.52306	.01352	192.17	.00069	.00168	20.270	43.378	.00026	2.9210	.00242
#2	.52790	.01587	191.54	.00037	-.00231	20.455	43.774	-.00186	2.9285	.00325
Check ?	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit			180.00							
Low Limit			-.15000							

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.11372**	**-.00223**	**.00765**	**.03130**	**.07331**	**.00446**
Stddev	.00109	.00127	.00101	.00009	.00116	.00090
%RSD	.95898	56.892	13.235	.27619	1.5758	20.077
#1	.11295	-.00133	.00693	.03136	.07412	.00509
#2	.11449	-.00312	.00836	.03124	.07249	.00383
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**3296.9**	**53517.**	**6737.2**
Stddev	3.4	51.	9.1
%RSD	.10322	.09599	.13451
#1	3299.3	53480.	6730.8
#2	3294.5	53553.	6743.6

Sample Name: 280-28276-a-10-b Acquired: 5/3/2012 18:44:48 Type: Unk
Method: 6500_025(v2) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 117700 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00450**	**.19347**	**-.00161**	**.09213**	**.02850**	**.00010**	**-.00501**	**228.94**	**.00088**	**.00041**
Stddev	.00034	.00106	.00035	.00036	.00011	.00000	.00197	4.88	.00000	.00019
%RSD	7.4459	.54656	21.755	.38767	.37595	.40101	39.409	2.1297	.25641	46.888
#1	.00426	.19422	-.00185	.09187	.02842	.00010	-.00361	225.49	.00087	.00027
#2	.00474	.19272	-.00136	.09238	.02857	.00010	-.00640	232.38	.00088	.00054
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00071**	**.00064**	**4.2685**	**1.9597**	**.02515**	**55.286**	**.37703**	**.00093**	**228.33**	**-.00013**
Stddev	.00024	.00007	.0087	.0060	.00294	.096	.00072	.00003	.40	.00008
%RSD	34.627	10.681	.20418	.30569	11.702	.17310	.19227	3.3066	.17397	60.876
#1	.00053	.00069	4.2623	1.9640	.02723	55.354	.37754	.00095	228.05	-.00018
#2	.00088	.00059	4.2747	1.9555	.02307	55.219	.37652	.00090	228.61	-.00007
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.06832**	**.00026**	F **300.68**	**.00175**	**.00107**	**6.6304**	**14.189**	**-.00069**	**3.9701**	**-.00135**
Stddev	.00063	.00029	1.81	.00130	.00595	.0262	.056	.00035	.0364	.00108
%RSD	.92491	114.61	.60103	74.282	558.93	.39547	.39547	51.170	.91749	79.806
#1	.06787	.00005	299.40	.00267	-.00315	6.6119	14.149	-.00044	3.9444	-.00059
#2	.06877	.00046	301.95	.00083	.00528	6.6490	14.229	-.00094	3.9959	-.00211
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit			200.00							
Low Limit			-.20000							

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00428**	**-.00212**	**.00860**	**.00084**	**.00527**	**.00192**
Stddev	.00019	.00084	.00659	.00014	.00014	.00038
%RSD	4.3499	39.782	76.666	16.565	2.5795	19.731
#1	.00415	-.00272	.00394	.00074	.00537	.00219
#2	.00441	-.00153	.01326	.00094	.00517	.00165
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**3205.4**	**51974.**	**6624.7**
Stddev	.8	148.	66.8
%RSD	.02651	.28445	1.0085
#1	3206.0	51870.	6671.9
#2	3204.8	52079.	6577.4

Sample Name: 280-28276-a-11-b Acquired: 5/3/2012 18:47:21 Type: Unk
Method: 6500_025(v2) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 117700 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.02157**	**.13531**	**.00089**	**.26969**	**.00705**	**.00005**	**-.00345**	**5.9481**	**.00020**	**.00012**
Stddev	.00017	.00016	.00390	.00031	.00014	.00000	.00385	.0425	.00013	.00020
%RSD	.77968	.12110	436.62	.11407	2.0514	7.2472	111.76	.71417	64.348	167.82
#1	.02145	.13519	-.00186	.26948	.00694	.00005	-.00072	5.9181	.00011	-.00002
#2	.02169	.13543	.00365	.26991	.00715	.00005	-.00617	5.9782	.00029	.00026
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00130**	**.00373**	**2.9550**	**14.516**	**.01329**	**.95959**	**.05499**	**.26120**	**234.18**	**.00111**
Stddev	.00007	.00031	.0135	.067	.00053	.01062	.00052	.00011	1.00	.00048
%RSD	5.0600	8.3627	.45708	.46230	3.9635	1.1070	.94558	.04313	.42510	42.698
#1	.00134	.00351	2.9454	14.469	.01292	.96710	.05536	.26128	233.47	.00078
#2	.00125	.00395	2.9645	14.564	.01367	.95208	.05462	.26112	234.88	.00145
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.56085**	**-.00187**	**24.534**	**.00155**	**-.00240**	**1.1525**	**2.4665**	**.00010**	**.15829**	**.00006**
Stddev	.00006	.00133	.059	.00136	.00171	.0048	.0102	.00019	.00069	.00093
%RSD	.01096	71.098	.24054	87.484	71.207	.41410	.41410	190.75	.43285	1507.5
#1	.56089	-.00281	24.492	.00251	-.00119	1.1492	2.4592	-.00004	.15781	-.00060
#2	.56081	-.00093	24.575	.00059	-.00360	1.1559	2.4737	.00024	.15878	.00072
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00255**	**-.00092**	**.01965**	**-.00007**	**.01686**	**.00251**
Stddev	.00043	.00021	.00611	.00023	.00052	.00080
%RSD	17.077	22.259	31.081	328.43	3.0718	31.840
#1	.00224	-.00107	.02397	-.00023	.01649	.00307
#2	.00285	-.00078	.01533	.00009	.01722	.00194
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**3379.8**	**54711.**	**6966.8**
Stddev	1.9	288.	81.2
%RSD	.05658	.52697	1.1652
#1	3381.1	54507.	7024.2
#2	3378.4	54915.	6909.4

Sample Name: 280-28276-a-12-b Acquired: 5/3/2012 18:49:46 Type: Unk
Method: 6500_025(v2) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 117700 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00059**	**.17794**	**.00027**	**.12029**	**.10272**	**.00004**	**-.00436**	**5.4663**	**.00040**	**-.00004**
Stddev	.00026	.00081	.00053	.00089	.00035	.00000	.00127	.0180	.00019	.00001
%RSD	43.550	.45760	196.86	.73803	.33977	8.2169	29.238	.32890	49.117	23.609
#1	.00077	.17852	-.00010	.12092	.10296	.00004	-.00526	5.4790	.00053	-.00004
#2	.00041	.17737	.00064	.11966	.10247	.00004	-.00346	5.4536	.00026	-.00003
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00036**	**.00847**	**.47232**	**2.2879**	**.01982**	**31.806**	**.01146**	**.04021**	**216.17**	**.00078**
Stddev	.00014	.00035	.00156	.0395	.00062	.079	.00004	.00031	.31	.00013
%RSD	37.622	4.1546	.33083	1.7254	3.1121	.24769	.37267	.78327	.14211	17.365
#1	.00046	.00823	.47343	2.3158	.02026	31.750	.01149	.04044	216.39	.00068
#2	.00027	.00872	.47122	2.2600	.01938	31.862	.01143	.03999	215.96	.00087
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.07385**	**.00062**	**130.67**	**-.00081**	**-.00065**	**.94056**	**2.0128**	**-.00109**	**.76633**	**.00082**
Stddev	.00168	.00013	.87	.00283	.00185	.00838	.0179	.00044	.00134	.00085
%RSD	2.2783	21.461	.66235	348.35	285.40	.89144	.89144	40.635	.17428	103.05
#1	.07504	.00071	131.28	-.00281	-.00196	.94649	2.0255	-.00077	.76728	.00022
#2	.07266	.00052	130.06	.00119	.00066	.93463	2.0001	-.00140	.76539	.00142
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00291**	**-.00260**	**-.00584**	**.00043**	**.01160**	**.00105**
Stddev	.00011	.00007	.01280	.00030	.00010	.00065
%RSD	3.8255	2.5577	219.12	70.137	.86689	62.370
#1	.00283	-.00255	.00321	.00022	.01153	.00059
#2	.00299	-.00264	-.01489	.00064	.01167	.00151
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**3381.3**	**54022.**	**6817.4**
Stddev	11.0	75.	85.1
%RSD	.32554	.13828	1.2476
#1	3373.5	54075.	6757.3
#2	3389.0	53969.	6877.6

Sample Name: 280-28276-a-13-b Acquired: 5/3/2012 18:52:10 Type: Unk
Method: 6500_025(v2) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 117700 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00113**	**.22764**	**-.00200**	**.02962**	**.05452**	**.00001**	**-.00305**	**61.423**	**.00035**	**.00008**
Stddev	.00034	.00180	.00140	.00070	.00061	.00005	.00504	.575	.00004	.00006
%RSD	29.805	.79169	69.686	2.3755	1.1200	545.64	165.07	.93560	10.490	71.599
#1	.00089	.22891	-.00299	.03012	.05495	.00004	-.00662	61.830	.00038	.00004
#2	.00137	.22636	-.00102	.02912	.05408	-.00003	.00051	61.017	.00033	.00012
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00070**	**.00087**	**.58707**	**1.3170**	**.00318**	**7.8753**	**.20046**	**.00431**	**46.444**	**.00076**
Stddev	.00007	.00004	.00982	.0116	.00096	.0220	.00021	.00001	.739	.00010
%RSD	9.5877	4.9181	1.6728	.88053	30.325	.27989	.10654	.22947	1.5913	13.190
#1	.00065	.00084	.59401	1.3088	.00250	7.8597	.20031	.00431	46.966	.00083
#2	.00075	.00090	.58012	1.3252	.00386	7.8909	.20061	.00432	45.921	.00069
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.03274**	**.00053**	**21.994**	**-.00138**	**-.00242**	**4.7957**	**10.263**	**-.00038**	**.37269**	**.00011**
Stddev	.00147	.00062	.092	.00174	.00052	.0684	.146	.00121	.00404	.00061
%RSD	4.4937	115.17	.42005	125.95	21.465	1.4258	1.4258	315.75	1.0835	566.18
#1	.03378	.00010	22.060	-.00015	-.00279	4.8440	10.366	.00047	.37554	-.00033
#2	.03170	.00097	21.929	-.00261	-.00205	4.7473	10.159	-.00124	.36983	.00054
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00241**	**-.00275**	**.00572**	**.00076**	**.00672**	**.00251**
Stddev	.00027	.00092	.01890	.00015	.00037	.00021
%RSD	11.380	33.583	330.25	20.163	5.4846	8.3566
#1	.00222	-.00210	.01908	.00065	.00646	.00266
#2	.00261	-.00340	-.00764	.00087	.00698	.00236
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**3420.0**	**55193.**	**6812.6**
Stddev	9.0	125.	29.3
%RSD	.26445	.22681	.42972
#1	3413.6	55282.	6791.9
#2	3426.4	55105.	6833.3

Sample Name: 280-28276-a-14-d Acquired: 5/3/2012 18:54:33 Type: Unk
Method: 6500_025(v2) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 117700 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W .15044	.87414	-.00390	.16139	.02040	.00002	-.00360	7.1645	.00031	.00146
Stddev	.00072	.00032	.00301	.00051	.00003	.00002	.00107	.0379	.00004	.00004
%RSD	.47901	.03655	77.151	.31410	.13173	133.27	29.710	.52951	14.076	2.8751
#1	.15095	.87436	-.00177	.16104	.02042	.00003	-.00435	7.1377	.00028	.00143
#2	.14993	.87391	-.00603	.16175	.02038	.00000	-.00284	7.1914	.00034	.00149
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	.10000									
Low Limit	-.01000									

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00217	.00574	4.8860	8.8269	.00305	1.2685	.25057	.49880	110.46	.00269
Stddev	.00007	.00014	.0089	.0420	.00038	.0009	.00114	.00090	.06	.00017
%RSD	3.2970	2.4692	.18207	.47623	12.324	.07050	.45355	.18107	.05190	6.2270
#1	.00222	.00584	4.8797	8.7972	.00278	1.2678	.25138	.49817	110.42	.00281
#2	.00212	.00564	4.8923	8.8567	.00331	1.2691	.24977	.49944	110.50	.00257
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.28254	.00180	1.6481	.00018	-.00392	3.5622	7.6230	.00190	.07748	.00114
Stddev	.00330	.00192	.0659	.00130	.00380	.0099	.0212	.00064	.00062	.00140
%RSD	1.1683	106.77	4.0000	717.56	96.896	.27819	.27819	33.836	.79744	123.52
#1	.28487	.00316	1.6015	-.00074	-.00661	3.5552	7.6080	.00144	.07704	.00213
#2	.28021	.00044	1.6947	.00110	-.00124	3.5692	7.6380	.00235	.07791	.00014
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.01209	-.00174	.01584	.00186	.14901	.00086
Stddev	.00135	.00013	.01074	.00044	.00170	.00058
%RSD	11.156	7.5597	67.825	23.577	1.1433	67.683
#1	.01113	-.00164	.02344	.00217	.15022	.00127
#2	.01304	-.00183	.00824	.00155	.14781	.00045
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	3478.8	55968.	6969.0
Stddev	12.2	1.	54.5
%RSD	.35148	.00209	.78276
#1	3487.4	55969.	7007.5
#2	3470.1	55967.	6930.4

Sample Name: CCVH-1390999 Acquired: 5/3/2012 18:56:54 Type: QC
Method: 6500_025(v2) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00119**	**46.950**	**.00005**	**.00261**	**.00054**	**.00004**	**.99403**	**.01871**	**.00011**	**.00054**	**.00032**	**-.00650**
Stddev	.00004	.034	.00434	.00006	.00027	.00005	.00583	.01332	.00008	.00016	.00001	.00001
%RSD	3.0148	.07216	8661.8	2.2607	50.384	140.51	.58686	71.156	73.715	29.221	2.6037	.18815
#1	-.00117	46.926	.00312	.00257	.00073	.00000	.99815	.00930	.00005	.00043	.00031	-.00650
#2	-.00122	46.974	-.00302	.00266	.00035	.00007	.98990	.02813	.00017	.00066	.00032	-.00649
Check ?	None	Chk Pass	None	None	None	None	Chk Pass	None	None	None	None	None
Value												
Range												

Elem	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316	P_1782	Pb2203	S_1820	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**47.109**	**.08804**	**.00148**	**-.02262**	**.00028**	**.00038**	**238.82**	**.00146**	**.00340**	**-.00088**	**5.0029**	**-.00089**
Stddev	.057	.00309	.00045	.00651	.00019	.00014	.45	.00013	.00340	.00274	.0098	.00035
%RSD	.12167	3.5053	30.560	28.792	67.481	38.016	.18784	9.1547	99.844	310.78	.19539	39.796
#1	47.069	.09022	.00116	-.02722	.00015	.00028	238.51	.00137	.00100	.00106	5.0098	-.00064
#2	47.150	.08586	.00180	-.01801	.00041	.00048	239.14	.00156	.00581	-.00282	4.9960	-.00114
Check ?	Chk Pass	None	None	None	None	None	Chk Pass	None	None	None	Chk Pass	None
Value												
Range												

Elem	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00191**	**.03460**	**.07405**	**.00196**	**.00056**	**5.1336**	**.01000**	**-.00025**	W **10.739**	**-.00526**	**.00259**	**-.05953**
Stddev	.00517	.00238	.00509	.00024	.00018	.0034	.00000	.00078	.010	.00043	.00050	.00065
%RSD	270.93	6.8742	6.8742	12.025	31.567	.06589	.04528	312.39	.09352	8.2189	19.196	1.0857
#1	-.00175	.03292	.07045	.00179	.00044	5.1312	.00999	.00030	10.732	-.00556	.00224	-.05908
#2	.00557	.03629	.07765	.00212	.00069	5.1360	.01000	-.00080	10.747	-.00495	.00294	-.05999
Check ?	None	None	None	None	None	Chk Pass	None	None	Chk Warn	None	None	None
Value									10.000			
Range									5.0000%			

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**3446.6**	**54688.**	**6764.1**
Stddev	21.6	17.	10.0
%RSD	.62638	.03052	.14842
#1	3431.4	54676.	6771.2
#2	3461.9	54700.	6757.0

Sample Name: CCV-1390955 Acquired: 5/3/2012 18:59:18 Type: QC
Method: 6500_025(v2) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.50303**	**.46762**	**.99652**	**.47383**	**.48816**	F **.44425**	**-.00358**	F **4.4055**	**.49041**	**.48727**	**.49541**	**.52949**	**2.4106**
Stddev	.00199	.00577	.00392	.00063	.00118	.00241	.00092	.0432	.00012	.00059	.00054	.00229	.0135
%RSD	.39642	1.2348	.39360	.13217	.24268	.54272	25.711	.97937	.02400	.12028	.10972	.43195	.55782
#1	.50444	.47171	.99375	.47339	.48732	.44255	-.00293	4.3750	.49032	.48685	.49579	.53111	2.4011
#2	.50162	.46354	.99930	.47428	.48900	.44596	-.00424	4.4360	.49049	.48768	.49502	.52787	2.4202
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	None	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						.50000		5.0000					
Range						-10.490%		-10.490%					

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**47.259**	**.93147**	**18.530**	**.49768**	**.49917**	**4.6363**	**.48364**	**.91077**	**1.0029**	**.06094**	**.95615**	**1.0022**	F **4.3842**
Stddev	.026	.00286	.029	.00014	.00018	.1047	.00077	.00560	.0003	.01617	.00025	.0014	.0403
%RSD	.05570	.30658	.15792	.02722	.03691	2.2579	.15918	.61462	.03254	26.533	.02611	.13634	.91872
#1	47.241	.92945	18.550	.49778	.49904	4.5623	.48309	.90681	1.0027	.07237	.95633	1.0012	4.3557
#2	47.278	.93349	18.509	.49758	.49930	4.7103	.48418	.91472	1.0032	.04950	.95597	1.0032	4.4126
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Fail
Value													5.0000
Range													-10.490%

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **9.3821**	**.97830**	**.48131**	**.00546**	**.48003**	**.98887**	**.04025**	**.48766**	F **.43344**	**.49096**
Stddev	.0862	.00201	.00092	.00189	.00175	.00322	.00946	.00086	.00127	.00196
%RSD	.91872	.20554	.19132	34.614	.36556	.32517	23.499	.17718	.29346	.39987
#1	9.3212	.97688	.48066	.00679	.48127	.99114	.04694	.48704	.43254	.49235
#2	9.4431	.97972	.48197	.00412	.47879	.98660	.03356	.48827	.43434	.48957
Check ?	Chk Fail	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	None	Chk Pass	Chk Fail	Chk Pass
Value	10.700								.50000	
Range	-10.490%								-10.490%	

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**3545.5**	**56967.**	**6897.4**
Stddev	3.7	30.	18.1
%RSD	.10545	.05282	.26219
#1	3548.2	56946.	6884.6
#2	3542.9	56988.	6910.2

Sample Name: CCB Acquired: 5/3/2012 19:01:31 Type: QC
Method: 6500_025(v2) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **.00100**	**.00253**	**-.00196**	**.00044**	**.00003**	**.00006**	**-.00357**	**.00269**	**.00014**	**.00035**	**.00009**	**-.00133**
Stddev	.00018	.00004	.00503	.00024	.00006	.00003	.00211	.00196	.00004	.00006	.00015	.00034
%RSD	18.384	1.4953	257.01	53.761	171.35	48.135	59.027	72.918	28.250	16.338	156.41	25.521
#1	.00087	.00255	.00160	.00027	.00008	.00008	-.00506	.00131	.00017	.00040	.00020	-.00157
#2	.00113	.00250	-.00551	.00061	-.00001	.00004	-.00208	.00408	.00011	.00031	-.00001	-.00109
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	.00093											
Low Limit	-.00093											

Elem	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00448**	**.05649**	**.00169**	**.00514**	**.00008**	**.00086**	F **.21092**	**.00010**	**.00181**	**.00049**	**.03218**	**.00206**
Stddev	.00274	.00480	.00096	.00397	.00005	.00035	.01270	.00013	.00033	.00019	.00533	.00456
%RSD	61.216	8.4959	56.534	77.260	69.676	40.176	6.0215	130.88	18.399	39.210	16.571	221.18
#1	.00254	.05988	.00101	.00795	.00011	.00062	.20194	.00001	.00158	.00035	.02841	-.00116
#2	.00641	.05309	.00236	.00233	.00004	.00110	.21990	.00019	.00205	.00063	.03595	.00528
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							.18320					
Low Limit							-.18320					

Elem	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00277**	**.02277**	**.04873**	**-.00040**	**.00018**	**.00126**	**.00028**	**-.00092**	**.00071**	**-.00044**	**.00292**	**.00128**
Stddev	.00119	.01081	.02314	.00028	.00003	.00055	.00011	.00110	.00063	.00011	.00009	.00094
%RSD	43.077	47.497	47.497	70.355	15.266	43.913	40.149	119.26	89.317	25.233	2.9869	73.312
#1	-.00193	.03042	.06509	-.00061	.00016	.00165	.00020	-.00014	.00026	-.00051	.00286	.00194
#2	-.00362	.01512	.03236	-.00020	.00020	.00087	.00036	-.00170	.00116	-.00036	.00298	.00061
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit												
Low Limit												

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**3595.1**	**58156.**	**6929.3**
Stddev	.9	44.	18.1
%RSD	.02637	.07578	.26185
#1	3594.4	58125.	6942.1
#2	3595.7	58187.	6916.4

Sample Name: CCVL1397430 Acquired: 5/3/2012 19:03:57 Type: QC
Method: 6500_025(v2) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01094**	**.09611**	F **.00981**	**.09328**	**.01026**	**.00099**	**.10432**	**.18048**	**.00514**	**.01023**	**.01018**	**.01528**	**.10111**
Stddev	.00004	.00108	.00505	.00053	.00016	.00006	.00194	.00252	.00010	.00008	.00009	.00010	.00162
%RSD	.40215	1.1278	51.470	.56921	1.5148	5.9205	1.8553	1.3945	1.8726	.73708	.83522	.63610	1.5990
#1	.01097	.09688	.00624	.09366	.01015	.00095	.10569	.17870	.00508	.01028	.01024	.01521	.09997
#2	.01091	.09535	.01338	.09291	.01037	.00103	.10295	.18226	.00521	.01018	.01012	.01535	.10225
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value			.01500										
Range			-30.000%										

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**2.9372**	**.01209**	**.19248**	**.01035**	**.02009**	**1.1358**	**.03999**	**2.6264**	**.00800**	**.03795**	F **.00697**	F **.00894**	**.46996**
Stddev	.0199	.00164	.00313	.00003	.00017	.0056	.00047	.0033	.00003	.00029	.00129	.00553	.00055
%RSD	.67660	13.591	1.6253	.33310	.84680	.49372	1.1794	.12574	.31580	.75216	18.532	61.817	.11633
#1	2.9232	.01093	.19027	.01037	.01997	1.1319	.04032	2.6288	.00798	.03815	.00789	.01285	.46957
#2	2.9513	.01325	.19469	.01032	.02021	1.1398	.03966	2.6241	.00802	.03775	.00606	.00503	.47035
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Fail	Chk Fail	Chk Pass
Value											.01000	.01500	
Range											-30.000%	-30.000%	

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.0057**	**.09950**	**.01007**	**.01562**	**.00987**	**.01389**	F **.08730**	**.00967**	**.01954**	**.01701**
Stddev	.0012	.00010	.00004	.00153	.00051	.00075	.01554	.00025	.00036	.00062
%RSD	.11633	.09955	.44103	9.8126	5.1539	5.3845	17.796	2.5964	1.8414	3.6667
#1	1.0049	.09943	.01004	.01453	.01023	.01442	.09829	.00984	.01929	.01745
#2	1.0065	.09957	.01010	.01670	.00951	.01337	.07632	.00949	.01979	.01657
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
Value							.06000			
Range							30.000%			

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**3589.1**	**58346.**	**6917.2**
Stddev	1.8	374.	38.8
%RSD	.05108	.64082	.56085
#1	3587.8	58082.	6889.8
#2	3590.4	58611.	6944.7

Sample Name: mb 280-117683/1-a Acquired: 5/3/2012 19:06:21 Type: Unk
Method: 6500_025(v2) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 117683 6010b

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00064**	**.00242**	**-.00167**	**.00121**	**.00024**	**.00001**	**-.00596**	**.03191**	**.00030**	**.00003**
Stddev	.00018	.00021	.00171	.00004	.00015	.00001	.00031	.00148	.00001	.00001
%RSD	27.741	8.6060	102.64	3.4462	64.192	52.103	5.1341	4.6373	4.5927	34.455
#1	.00076	.00257	-.00288	.00118	.00013	.00002	-.00574	.03296	.00031	.00002
#2	.00051	.00227	-.00046	.00124	.00034	.00001	-.00617	.03087	.00029	.00004
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00032**	**-.00039**	**.01642**	**.06057**	**.00007**	**.00328**	**.00028**	**-.00002**	**.38835**	**.00037**
Stddev	.00000	.00033	.00320	.02979	.00042	.00055	.00007	.00006	.00500	.00010
%RSD	1.5389	84.810	19.473	49.188	580.86	16.760	25.804	279.73	1.2887	27.104
#1	.00033	-.00015	.01416	.08163	.00037	.00367	.00023	.00002	.38482	.00044
#2	.00032	-.00062	.01868	.03950	-.00022	.00289	.00033	-.00006	.39189	.00030
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **.00676**	**.00022**	F **.05735**	**-.00280**	**-.00340**	F **.01771**	**.03789**	**.00948**	**.00018**	**.00110**
Stddev	.00071	.00061	.00021	.00429	.00546	.01110	.02375	.00028	.00001	.00074
%RSD	10.488	279.38	.36622	153.35	160.57	62.682	62.682	2.9461	5.3878	67.179
#1	.00726	-.00021	.05720	-.00583	-.00726	.02555	.05469	.00968	.00017	.00058
#2	.00625	.00065	.05750	.00024	.00046	.00986	.02110	.00928	.00019	.00163
Check ?	Chk Warn	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Fail	None	Chk Pass	Chk Pass	Chk Pass
High Limit	.00500		.01000			.01000				
Low Limit	-.00500		-.01000			-.01000				

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00035**	**-.00143**	**.00080**	**-.00054**	**.00323**	**.00100**
Stddev	.00014	.00158	.01456	.00030	.00017	.00069
%RSD	40.205	110.43	1818.2	55.500	5.3647	68.829
#1	.00025	-.00255	.01109	-.00076	.00336	.00149
#2	.00045	-.00031	-.00949	-.00033	.00311	.00051
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**3633.9**	**59512.**	**7108.4**
Stddev	18.0	161.	26.0
%RSD	.49501	.27054	.36543
#1	3646.6	59398.	7090.0
#2	3621.2	59626.	7126.8

Sample Name: lcs 280-117683/2-a Acquired: 5/3/2012 19:08:46 Type: Unk
Method: 6500_025(v2) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 117683 6010b

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.05045**	**1.6914**	**1.0015**	**.91869**	**1.9261**	**.04428**	**2.0431**	**42.764**	**.09673**	**.47454**
Stddev	.00004	.0066	.0077	.00038	.0024	.00001	.0008	.128	.00023	.00005
%RSD	.08735	.39116	.76691	.04178	.12525	.02008	.03908	.29841	.23560	.00952
#1	.05048	1.6961	1.0070	.91896	1.9279	.04427	2.0436	42.854	.09689	.47457
#2	.05042	1.6867	.99610	.91842	1.9244	.04429	2.0425	42.674	.09657	.47451
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.19658**	**.26547**	**1.0118**	**47.176**	**.92806**	**45.108**	**.49589**	**1.0001**	**49.430**	**.47274**
Stddev	.00009	.00180	.0060	.030	.00143	.073	.00075	.0017	.014	.00049
%RSD	.04490	.67930	.59095	.06365	.15371	.16187	.15086	.16840	.02824	.10381
#1	.19664	.26675	1.0076	47.198	.92907	45.160	.49642	1.0013	49.421	.47309
#2	.19652	.26420	1.0160	47.155	.92706	45.057	.49536	.99893	49.440	.47239
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**9.1692**	**.47913**	**.07017**	**.46260**	**1.9861**	**1.4754**	F **3.1574**	**1.9343**	**.96355**	**1.0094**
Stddev	.0314	.00189	.00349	.00369	.0056	.0121	.0258	.0048	.00118	.0027
%RSD	.34204	.39466	4.9763	.79695	.28269	.81796	.81796	.25024	.12239	.27137
#1	9.1914	.48047	.07264	.45999	1.9901	1.4840	3.1757	1.9378	.96438	1.0114
#2	9.1470	.47780	.06771	.46520	1.9821	1.4669	3.1391	1.9309	.96272	1.0075
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit							14.980			
Low Limit							2.1400			

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.96238**	**1.9264**	F **2.2327**	**.48900**	**.41806**	**.47295**
Stddev	.00029	.0005	.0055	.00050	.00045	.00235
%RSD	.03054	.02788	.24691	.10242	.10671	.49609
#1	.96217	1.9268	2.2288	.48935	.41837	.47129
#2	.96259	1.9260	2.2366	.48864	.41774	.47461
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit			2.2000			
Low Limit			1.7000			

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**3410.1**	**55293.**	**6839.2**
Stddev	1.3	42.	66.6
%RSD	.03771	.07554	.97411
#1	3411.0	55322.	6792.1
#2	3409.2	55263.	6886.3

Sample Name: 280-28223-a-1-b Acquired: 5/3/2012 19:10:56 Type: Unk
Method: 6500_025(v2) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 117683 6010b

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00030**	**35.138**	**.01586**	**.00697**	**.37294**	**.00425**	**-.00826**	**24.608**	**.00089**	**.04372**
Stddev	.00018	.087	.00550	.00031	.00101	.00007	.00031	.064	.00000	.00017
%RSD	61.891	.24903	34.691	4.4133	.27148	1.7208	3.7002	.25816	.54252	.38718
#1	.00017	35.199	.01975	.00719	.37366	.00430	-.00804	24.653	.00090	.04360
#2	.00043	35.076	.01197	.00675	.37222	.00419	-.00847	24.563	.00089	.04384
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	271.441 {124}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.05824**	**.09334**	**123.96**	**6.5309**	**.03395**	**21.436**	**1.9775**	**.00245**	**1.8423**	**.05559**
Stddev	.00004	.00013	.28	.0500	.00130	.091	.0059	.00052	.0237	.00009
%RSD	.06158	.13849	.22345	.76509	3.8149	.42360	.29657	21.298	1.2885	.15599
#1	.05821	.09343	124.15	6.5662	.03304	21.500	1.9816	.00208	1.8590	.05553
#2	.05827	.09325	123.76	6.4955	.03487	21.371	1.9733	.00282	1.8255	.05565
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **4.6824**	**.06187**	**.48510**	**.00109**	**.00276**	**2.6346**	**5.6380**	**.00522**	**.14820**	**.01779**
Stddev	.0165	.00258	.00803	.00154	.00137	.0415	.0888	.00028	.00003	.00143
%RSD	.35203	4.1672	1.6563	140.52	49.683	1.5752	1.5752	5.3095	.02160	8.0639
#1	4.6941	.06005	.47941	.00001	.00179	2.6052	5.5752	.00542	.14822	.01677
#2	4.6707	.06369	.49078	.00218	.00373	2.6639	5.7008	.00503	.14818	.01880
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	2.0000									
Low Limit	-1.0000									

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **10.452**	**-.00481**	W **-.06688**	**.35455**	**.28165**	**.11433**
Stddev	.063	.00019	.01805	.00101	.00395	.00005
%RSD	.60345	3.9234	26.989	.28360	1.4025	.04352
#1	10.496	-.00468	-.05411	.35526	.28444	.11436
#2	10.407	-.00494	-.07964	.35384	.27885	.11429
Check ?	Chk Warn	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass
High Limit	10.000		45.000			
Low Limit	-.01000		-.05000			

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**3770.6**	**60643.**	**7419.9**
Stddev	10.0	88.	39.8
%RSD	.26481	.14587	.53678
#1	3763.5	60581.	7391.7
#2	3777.7	60706.	7448.0

Sample Name: SD 280-28223-a-1-b@5 Acquired: 5/3/2012 19:13:21 Type: Unk
Method: 6500_025(v2) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 117683 6010b

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00078**	**7.4158**	**.00102**	**.00211**	**.07937**	**.00094**	**-.00271**	**5.2738**	**.00028**	**.00974**
Stddev	.00006	.0165	.00200	.00027	.00002	.00001	.00093	.0211	.00005	.00015
%RSD	7.3247	.22251	195.00	12.561	.02682	.83194	34.505	.39938	19.112	1.5712
#1	.00082	7.4041	.00244	.00192	.07936	.00094	-.00205	5.2589	.00032	.00985
#2	.00074	7.4274	-.00039	.00230	.07939	.00095	-.00337	5.2887	.00024	.00963
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01261**	**.01870**	**26.512**	**1.3718**	**.00906**	**4.5724**	**.42041**	**.00044**	**.47617**	**.01197**
Stddev	.00009	.00020	.023	.0315	.00003	.0009	.00013	.00011	.01460	.00003
%RSD	.73306	1.0643	.08799	2.2950	.29919	.02056	.03205	25.071	3.0661	.27124
#1	.01254	.01884	26.496	1.3495	.00904	4.5717	.42031	.00036	.46585	.01195
#2	.01268	.01856	26.529	1.3940	.00907	4.5731	.42050	.00052	.48649	.01199
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.97894**	**.01260**	**.12648**	**-.00137**	**-.00326**	**.58655**	**1.2552**	**.00129**	**.03156**	**.00319**
Stddev	.00421	.00088	.00225	.00017	.00451	.00076	.0016	.00100	.00011	.00086
%RSD	.43040	7.0224	1.7802	12.782	138.32	.12976	.12976	77.508	.33720	26.831
#1	.97596	.01197	.12808	-.00124	-.00645	.58601	1.2541	.00058	.03149	.00259
#2	.98191	.01322	.12489	-.00149	-.00007	.58708	1.2564	.00200	.03164	.00380
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**2.2239**	**-.00084**	**-.00620**	**.07404**	**.06422**	**.02476**
Stddev	.0021	.00091	.00960	.00009	.00091	.00012
%RSD	.09621	108.82	154.68	.12586	1.4168	.49226
#1	2.2254	-.00148	.00058	.07411	.06486	.02485
#2	2.2224	-.00019	-.01299	.07398	.06358	.02468
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**3638.5**	**58763.**	**6985.8**
Stddev	4.5	80.	46.1
%RSD	.12254	.13556	.66054
#1	3635.3	58820.	7018.4
#2	3641.6	58707.	6953.1

Sample Name: 280-28223-a-1-c du Acquired: 5/3/2012 19:15:41 Type: Unk
Method: 6500_025(v2) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 117683 6010b

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00043**	**37.527**	**.01545**	**.00566**	**.43610**	**.00499**	**-.01246**	**33.192**	**.00104**	**.05407**
Stddev	.00011	.003	.00057	.00029	.00085	.00012	.00278	.096	.00012	.00015
%RSD	25.514	.00919	3.7193	5.1109	.19508	2.4557	22.294	.28861	11.561	.28265
#1	-.00035	37.530	.01505	.00587	.43550	.00508	-.01049	33.259	.00112	.05396
#2	-.00050	37.525	.01586	.00546	.43670	.00491	-.01442	33.124	.00095	.05418
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	271.441 {124}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.07211**	**.10351**	**146.33**	**6.2979**	**.03628**	**24.862**	**2.3727**	**.00139**	**1.9525**	**.07373**
Stddev	.00041	.00030	.25	.0060	.00103	.031	.0000	.00008	.0075	.00005
%RSD	.56334	.28776	.17016	.09544	2.8297	.12301	.00181	5.6972	.38566	.06276
#1	.07239	.10330	146.51	6.3021	.03701	24.884	2.3727	.00145	1.9578	.07377
#2	.07182	.10372	146.16	6.2936	.03556	24.841	2.3727	.00133	1.9472	.07370
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **6.2292**	**.03233**	**.62100**	**-.00002**	**.00045**	**2.6758**	**5.7262**	**.00466**	**.16006**	**.01658**
Stddev	.0060	.00173	.00913	.00334	.00039	.0156	.0334	.00039	.00007	.00079
%RSD	.09695	5.3407	1.4701	14672.	86.195	.58276	.58276	8.4598	.04605	4.7619
#1	6.2335	.03111	.62746	-.00239	.00018	2.6648	5.7026	.00494	.16011	.01603
#2	6.2249	.03355	.61455	.00234	.00072	2.6868	5.7498	.00438	.16001	.01714
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	2.0000									
Low Limit	-1.0000									

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **12.928**	**-.00286**	F **-.10018**	**.41233**	**.32101**	**.13853**
Stddev	.189	.00115	.02807	.00256	.00138	.00085
%RSD	1.4590	40.146	28.021	.62155	.42889	.61581
#1	13.062	-.00367	-.12003	.41415	.32198	.13792
#2	12.795	-.00205	-.08033	.41052	.32003	.13913
Check ?	Chk Warn	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit	10.000		50.000			
Low Limit	-.01000		-.10000			

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**3812.9**	**61427.**	**7577.9**
Stddev	7.0	152.	3.5
%RSD	.18456	.24697	.04635
#1	3807.9	61320.	7575.4
#2	3817.9	61534.	7580.4

Sample Name: 280-28223-a-1-d ms Acquired: 5/3/2012 19:18:05 Type: Unk
Method: 6500_025(v2) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 117683 6010b

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.04524	48.552	.89907	.80326	2.1717	.04415	F 1.8116	76.233	.08757	.46623
Stddev	.00026	.118	.00286	.00039	.0089	.00026	.0026	.007	.00024	.00018
%RSD	.56980	.24232	.31786	.04802	.40898	.58650	.14410	.00965	.27595	.03854
#1	.04542	48.469	.90109	.80299	2.1654	.04397	1.8135	76.238	.08740	.46635
#2	.04506	48.635	.89705	.80353	2.1780	.04433	1.8098	76.228	.08774	.46610
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit							.10000			
Low Limit							-.10000			

Elem	Cr2055	Cu3247	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	271.441 {124}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.23359	.33356	152.88	49.835	.87605	67.343	2.9315	.86341	48.133	.46902
Stddev	.00022	.00159	.20	.196	.00762	.325	.0082	.00016	.309	.00033
%RSD	.09401	.47628	.13184	.39396	.87035	.48209	.27942	.01836	.64129	.07082
#1	.23343	.33243	152.74	49.696	.87066	67.114	2.9257	.86329	47.914	.46926
#2	.23374	.33468	153.02	49.974	.88144	67.573	2.9373	.86352	48.351	.46879
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W 14.253	.44525	.57767	.30328	1.7560	4.6211	9.8892	1.6064	1.0465	.91220
Stddev	.022	.00162	.00594	.00054	.0023	.0188	.0402	.0053	.0048	.00577
%RSD	.15766	.36338	1.0283	.17969	.12842	.40696	.40696	.32898	.45726	.63271
#1	14.269	.44411	.57347	.30290	1.7576	4.6078	9.8607	1.6026	1.0431	.90812
#2	14.237	.44640	.58187	.30367	1.7544	4.6344	9.9176	1.6101	1.0499	.91629
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	2.0000									
Low Limit	-1.0000									

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W 12.689	1.6407	1.8364	.86953	.66093	.57352
Stddev	.093	.0004	.0120	.00106	.00291	.00185
%RSD	.73409	.02374	.65050	.12174	.44018	.32280
#1	12.623	1.6404	1.8449	.86878	.65887	.57483
#2	12.755	1.6410	1.8280	.87027	.66298	.57221
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	10.000					
Low Limit	-.01000					

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	3668.0	58947.	7323.6
Stddev	11.3	17.	22.9
%RSD	.30933	.02826	.31241
#1	3676.0	58959.	7307.5
#2	3660.0	58935.	7339.8

Sample Name: 280-28223-a-2-b Acquired: 5/3/2012 19:20:20 Type: Unk
Method: 6500_025(v2) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 117683 6010b

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00005**	**108.82**	**.03784**	**.01982**	**1.0085**	**.00749**	**-.00862**	**37.317**	**.00201**	**.08829**
Stddev	.00032	.26	.00502	.00058	.0010	.00003	.00222	.036	.00031	.00032
%RSD	642.74	.24118	13.277	2.9396	.09404	.40432	25.717	.09742	15.484	.35698
#1	.00018	109.01	.04139	.01941	1.0092	.00751	-.01018	37.343	.00179	.08806
#2	-.00028	108.64	.03429	.02023	1.0079	.00746	-.00705	37.292	.00223	.08851
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	271.441 {124}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.14352**	**.18691**	**244.22**	**25.321**	**.09226**	**44.263**	**4.5938**	**.00363**	**3.3557**	**.13427**
Stddev	.00040	.00027	.47	.115	.00117	.338	.0225	.00021	.0142	.00017
%RSD	.27891	.14212	.19157	.45569	1.2683	.76441	.48944	5.8470	.42425	.12794
#1	.14381	.18709	244.55	25.402	.09143	44.502	4.5779	.00348	3.3658	.13439
#2	.14324	.18672	243.89	25.239	.09309	44.024	4.6097	.00378	3.3456	.13414
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **8.7175**	**.07337**	**.59513**	**.00159**	**.00911**	**7.2024**	**15.413**	**.45515**	**.26887**	**.03128**
Stddev	.0351	.00010	.00614	.00104	.00480	.0374	.080	.00100	.00055	.00075
%RSD	.40242	.13646	1.0310	65.197	52.678	.51989	.51989	.21948	.20479	2.3970
#1	8.7423	.07344	.59079	.00233	.00571	7.2288	15.470	.45586	.26926	.03181
#2	8.6927	.07330	.59947	.00086	.01250	7.1759	15.356	.45444	.26848	.03075
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	2.0000									
Low Limit	-1.0000									

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **13.250**	**-.00391**	F **-.14863**	**.53469**	**.46075**	**.25196**
Stddev	.078	.00045	.00465	.00189	.00780	.00030
%RSD	.58961	11.455	3.1263	.35334	1.6935	.11845
#1	13.305	-.00359	-.15192	.53603	.46627	.25175
#2	13.195	-.00423	-.14535	.53336	.45523	.25217
Check ?	Chk Warn	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit	10.000		50.000			
Low Limit	-.01000		-.10000			

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**3844.9**	**61461.**	**7658.0**
Stddev	4.5	46.	76.7
%RSD	.11733	.07422	1.0014
#1	3841.7	61429.	7603.8
#2	3848.0	61493.	7712.2

Sample Name: 280-28223-a-3-b Acquired: 5/3/2012 19:22:48 Type: Unk
Method: 6500_025(v2) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 117683 6010b

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00016**	**80.485**	**.04133**	**.01175**	**.63109**	**.00672**	**-.00753**	**83.862**	**.00125**	**.07555**
Stddev	.00018	.087	.00424	.00017	.00082	.00005	.00073	.089	.00009	.00042
%RSD	117.06	.10785	10.270	1.4396	.12985	.68021	9.6728	.10554	7.0772	.55966
#1	.00003	80.547	.04433	.01163	.63167	.00669	-.00804	83.924	.00119	.07585
#2	.00029	80.424	.03833	.01187	.63051	.00676	-.00701	83.799	.00132	.07525
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	271.441 {124}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.13328**	**.22187**	**212.87**	**14.411**	**.08333**	**46.059**	**3.3612**	**.00190**	**3.1464**	**.12485**
Stddev	.00014	.00077	.47	.011	.00049	.170	.0116	.00028	.0105	.00042
%RSD	.10468	.34640	.22138	.07482	.59041	.36952	.34355	14.532	.33277	.33510
#1	.13318	.22133	213.20	14.403	.08298	45.938	3.3530	.00171	3.1538	.12515
#2	.13338	.22242	212.53	14.418	.08367	46.179	3.3693	.00210	3.1390	.12456
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **8.6652**	**.05247**	**.93834**	**-.00135**	**.00380**	**6.2978**	**13.477**	**.00806**	**.37645**	**.02909**
Stddev	.0230	.00260	.00769	.00089	.00136	.0942	.202	.00075	.00053	.00131
%RSD	.26546	4.9625	.81944	65.616	35.715	1.4959	1.4959	9.2692	.14147	4.4901
#1	8.6490	.05063	.93290	-.00073	.00284	6.2312	13.335	.00858	.37682	.02817
#2	8.6815	.05431	.94378	-.00198	.00476	6.3645	13.620	.00753	.37607	.03001
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	2.0000									
Low Limit	-1.0000									

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **14.161**	**-.00498**	F **-.12358**	**.53557**	**.41105**	**.19121**
Stddev	.045	.00121	.02052	.00235	.00325	.00135
%RSD	.31926	24.325	16.602	.43902	.79111	.70415
#1	14.129	-.00583	-.13808	.53390	.40875	.19216
#2	14.193	-.00412	-.10907	.53723	.41335	.19026
Check ?	Chk Warn	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit	10.000		50.000			
Low Limit	-.01000		-.10000			

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**3790.3**	**60884.**	**7606.5**
Stddev	.7	136.	12.9
%RSD	.01772	.22287	.17015
#1	3789.8	60979.	7597.3
#2	3790.8	60788.	7615.6

Sample Name: 280-28223-a-4-b Acquired: 5/3/2012 19:25:11 Type: Unk
Method: 6500_025(v2) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 117683 6010b

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00006**	**72.881**	**.03617**	**.01337**	**.62485**	**.00644**	**-.00840**	**63.864**	**.00087**	**.07130**
Stddev	.00011	.023	.00156	.00004	.00029	.00004	.00252	.064	.00001	.00062
%RSD	201.91	.03152	4.3093	.33510	.04721	.68106	30.010	.09980	1.6493	.87109
#1	.00014	72.897	.03507	.01340	.62465	.00647	-.01019	63.910	.00086	.07174
#2	-.00002	72.865	.03727	.01334	.62506	.00641	-.00662	63.819	.00088	.07086
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	271.441 {124}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.11747**	**.18681**	**196.89**	**14.294**	**.07408**	**43.634**	**3.1230**	**.00098**	**2.7641**	**.11282**
Stddev	.00021	.00042	.36	.031	.00093	.093	.0077	.00062	.0086	.00061
%RSD	.17705	.22661	.18186	.21391	1.2621	.21366	.24703	63.004	.30988	.54391
#1	.11762	.18711	197.14	14.316	.07342	43.568	3.1176	.00141	2.7702	.11325
#2	.11732	.18651	196.64	14.272	.07474	43.700	3.1285	.00054	2.7581	.11239
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **7.5553**	**.04762**	**.75641**	**.00030**	**-.00155**	**5.1095**	**10.934**	**.00649**	**.29764**	**.03120**
Stddev	.0064	.00003	.00838	.00060	.00534	.0310	.066	.00022	.00023	.00161
%RSD	.08414	.05456	1.1080	198.30	345.60	.60705	.60705	3.3684	.07781	5.1739
#1	7.5508	.04764	.76234	.00072	.00223	5.0876	10.887	.00634	.29780	.03006
#2	7.5598	.04760	.75049	-.00012	-.00532	5.1315	10.981	.00665	.29747	.03234
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	2.0000									
Low Limit	-1.0000									

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **13.788**	**-.00311**	W **-.08605**	**.49960**	**.39020**	**.18032**
Stddev	.072	.00079	.00759	.00249	.00317	.00099
%RSD	.51990	25.423	8.8209	.49779	.81178	.54967
#1	13.838	-.00255	-.09142	.49784	.38796	.18102
#2	13.737	-.00367	-.08068	.50136	.39244	.17962
Check ?	Chk Warn	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass
High Limit	10.000		45.000			
Low Limit	-.01000		-.05000			

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**3761.9**	**60277.**	**7456.4**
Stddev	2.0	93.	11.2
%RSD	.05441	.15423	.15049
#1	3760.4	60211.	7464.3
#2	3763.3	60343.	7448.5

Sample Name: 280-28223-a-5-b Acquired: 5/3/2012 19:27:32 Type: Unk
Method: 6500_025(v2) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 117683 6010b

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00033**	**89.333**	**.04197**	**.01410**	**.77880**	**.00790**	**-.00919**	**60.448**	**.00138**	**.08666**
Stddev	.00043	.150	.00124	.00008	.00040	.00001	.00172	.130	.00000	.00036
%RSD	132.20	.16782	2.9608	.59957	.05125	.15739	18.687	.21436	.22887	.41422
#1	.00002	89.439	.04109	.01404	.77908	.00791	-.00797	60.540	.00138	.08641
#2	.00064	89.227	.04285	.01416	.77851	.00789	-.01040	60.356	.00138	.08691
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	271.441 {124}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.12632**	**.20681**	**235.40**	**18.632**	**.08879**	**45.670**	**3.8879**	**.00196**	**3.3257**	**.12095**
Stddev	.00050	.00039	.21	.005	.00002	.003	.0002	.00007	.0031	.00078
%RSD	.39295	.18788	.09114	.02886	.02207	.00569	.00628	3.5793	.09347	.64717
#1	.12597	.20708	235.55	18.628	.08878	45.668	3.8880	.00191	3.3235	.12040
#2	.12667	.20653	235.25	18.636	.08880	45.671	3.8877	.00201	3.3279	.12151
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **9.0018**	**.06753**	**.82710**	**-.00092**	**.00131**	**5.2473**	**11.229**	**.00550**	**.29448**	**.03708**
Stddev	.0457	.00036	.01385	.00157	.01038	.0146	.031	.00240	.00020	.00105
%RSD	.50774	.53711	1.6739	171.32	790.70	.27766	.27766	43.583	.06740	2.8393
#1	8.9695	.06727	.81731	-.00203	-.00603	5.2576	11.251	.00381	.29462	.03782
#2	9.0342	.06778	.83689	.00019	.00865	5.2370	11.207	.00720	.29434	.03633
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	2.0000									
Low Limit	-1.0000									

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **17.207**	**-.00457**	F **-.12296**	**.61217**	**.51922**	**.24472**
Stddev	.088	.00127	.02401	.00114	.00320	.00018
%RSD	.51128	27.814	19.529	.18605	.61572	.07421
#1	17.145	-.00547	-.13994	.61136	.51696	.24485
#2	17.269	-.00367	-.10598	.61297	.52148	.24460
Check ?	Chk Warn	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit	10.000		50.000			
Low Limit	-.01000		-.10000			

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**3863.5**	**62018.**	**7773.6**
Stddev	20.9	2.	17.7
%RSD	.54209	.00244	.22833
#1	3878.3	62017.	7761.0
#2	3848.7	62019.	7786.1

Sample Name: CCVH-1390999 Acquired: 5/3/2012 19:29:59 Type: QC
Method: 6500_025(v2) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00128**	**45.395**	**.00103**	**.00212**	**.00068**	**.00008**	**.97474**	**.02166**	**.00009**	**.00037**	**.00033**	**-.00624**
Stddev	.00007	.108	.00171	.00051	.00001	.00005	.00427	.00295	.00000	.00004	.00002	.00003
%RSD	5.4264	.23806	166.25	23.942	.99431	69.575	.43839	13.626	3.0950	9.8432	5.6427	.52711
#1	-.00123	45.471	.00224	.00176	.00069	.00004	.97776	.01957	.00010	.00040	.00035	-.00627
#2	-.00133	45.319	-.00018	.00247	.00068	.00011	.97172	.02375	.00009	.00035	.00032	-.00622
Check ?	None	Chk Pass	None	None	None	None	Chk Pass	None	None	None	None	None
Value												
Range												

Elem	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316	P_1782	Pb2203	S_1820	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**45.604**	**.05179**	**.00227**	**-.01764**	**.00119**	**-.00081**	**231.68**	**.00160**	**.00497**	**-.00054**	**4.8824**	**-.00034**
Stddev	.101	.01007	.00090	.00056	.00013	.00027	.09	.00020	.00293	.00114	.0134	.00005
%RSD	.22129	19.443	39.878	3.1936	11.082	32.868	.03947	12.549	58.894	210.36	.27514	15.376
#1	45.676	.04467	.00163	-.01725	.00128	-.00100	231.62	.00146	.00705	-.00134	4.8919	-.00030
#2	45.533	.05892	.00291	-.01804	.00109	-.00062	231.74	.00175	.00290	.00026	4.8729	-.00037
Check ?	Chk Pass	None	None	None	None	None	Chk Pass	None	None	None	Chk Pass	None
Value												
Range												

Elem	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00098**	**.02539**	**.05434**	**.00053**	**.00043**	**4.9879**	**.01939**	**-.00012**	W **10.501**	**-.00475**	**.00213**	**-.05623**
Stddev	.00366	.01090	.02333	.00057	.00005	.0022	.00003	.00007	.016	.00037	.00014	.00054
%RSD	372.83	42.926	42.926	108.60	11.731	.04355	.13635	61.555	.15692	7.8294	6.5440	.96907
#1	-.00357	.03310	.07084	.00094	.00039	4.9864	.01938	-.00017	10.513	-.00501	.00204	-.05661
#2	.00161	.01769	.03785	.00012	.00046	4.9894	.01941	-.00007	10.489	-.00448	.00223	-.05584
Check ?	None	None	None	None	None	Chk Pass	None	None	Chk Warn	None	None	None
Value									10.000			
Range									5.0000%			

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**3477.6**	**55208.**	**6844.9**
Stddev	1.5	4.	1.0
%RSD	.04284	.00719	.01398
#1	3476.6	55205.	6844.3
#2	3478.7	55211.	6845.6

Sample Name: CCV-1390955 Acquired: 5/3/2012 19:32:26 Type: QC
Method: 6500_025(v2) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.50442**	**.48001**	**1.0050**	**.47667**	**.48560**	F **.44159**	**-.00378**	F **4.4260**	**.49610**	**.49252**	**.50072**	**.52958**
Stddev	.00064	.00272	.0093	.00002	.00388	.00380	.00314	.0442	.00081	.00029	.00042	.00112
%RSD	.12629	.56750	.92283	.00389	.79849	.86088	83.039	.99832	.16379	.05807	.08391	.21126
#1	.50487	.48194	1.0116	.47666	.48834	.44428	-.00600	4.4573	.49553	.49231	.50043	.52879
#2	.50397	.47809	.99848	.47668	.48286	.43890	-.00156	4.3948	.49668	.49272	.50102	.53037
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	None	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						.50000		5.0000				
Range						-10.490%		-10.490%				

Elem	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**2.4468**	**46.978**	**.92572**	**18.631**	**.50142**	**.50320**	W **4.4857**	**.48957**	**.91681**	**1.0156**	**.02249**	**.96414**
Stddev	.0154	.389	.01075	.017	.00091	.00185	.0437	.00075	.00235	.0005	.00040	.00271
%RSD	.62952	.82907	1.1615	.09291	.18159	.36844	.97499	.15329	.25582	.05077	1.7665	.28059
#1	2.4577	47.253	.93333	18.643	.50206	.50189	4.5167	.48904	.91515	1.0160	.02277	.96223
#2	2.4359	46.702	.91812	18.619	.50077	.50451	4.4548	.49010	.91847	1.0152	.02221	.96605
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass
Value							5.0000					
Range							-10.000%					

Elem	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.0163**	F **4.3784**	F **9.3698**	**.99277**	**.47694**	**.00143**	**.48705**	**1.0033**	**.02262**	**.49451**	F **.43640**	**.48797**
Stddev	.0042	.0352	.0754	.00165	.00357	.00040	.00122	.0029	.02062	.00365	.00035	.00230
%RSD	.41049	.80447	.80447	.16573	.74826	28.366	.25024	.29262	91.177	.73901	.08013	.47171
#1	1.0192	4.4033	9.4231	.99394	.47946	.00171	.48792	1.0013	.03720	.49709	.43615	.48959
#2	1.0133	4.3535	9.3165	.99161	.47441	.00114	.48619	1.0054	.00804	.49192	.43665	.48634
Check ?	Chk Pass	Chk Fail	Chk Fail	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	None	Chk Pass	Chk Fail	Chk Pass
Value		5.0000	10.700								.50000	
Range		-10.490%	-10.490%								-10.490%	

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**3541.2**	**57084.**	**6862.8**
Stddev	2.0	209.	50.6
%RSD	.05693	.36610	.73689
#1	3542.6	56936.	6827.0
#2	3539.7	57232.	6898.5

Sample Name: CCB Acquired: 5/3/2012 19:34:39 Type: QC
Method: 6500_025(v2) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00082**	W **.02226**	**-.00151**	**.00088**	**.00048**	**.00014**	**-.00055**	**.00338**	**.00013**	**.00026**	**.00011**	**-.00099**
Stddev	.00039	.01958	.00207	.00072	.00009	.00004	.00263	.00174	.00025	.00039	.00018	.00001
%RSD	48.011	87.964	136.97	82.362	18.718	26.565	480.24	51.330	184.39	147.60	167.92	1.2260
#1	.00110	.03611	-.00298	.00139	.00042	.00016	.00131	.00461	.00031	.00054	.00024	-.00100
#2	.00054	.00842	-.00005	.00037	.00055	.00011	-.00241	.00216	-.00004	-.00001	-.00002	-.00098
Check ?	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit		.01800										
Low Limit		-.01800										

Elem	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.02199**	**.03980**	**-.00056**	**.00890**	W **.00032**	**.00092**	**.05055**	**.00024**	**.00436**	**.00075**	**.01748**	**.00023**
Stddev	.00661	.02529	.00065	.00316	.00010	.00024	.01884	.00005	.00064	.00143	.00399	.00038
%RSD	30.041	63.550	117.03	35.561	31.151	25.624	37.263	22.588	14.608	189.59	22.804	163.46
#1	.02666	.02191	-.00102	.01114	.00039	.00075	.06386	.00028	.00481	.00176	.02030	-.00004
#2	.01732	.05768	-.00010	.00666	.00025	.00109	.03723	.00020	.00391	-.00026	.01466	.00050
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					.00025							
Low Limit					-.00025							

Elem	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00386**	**.02357**	**.05043**	**.00061**	**.00020**	**-.00008**	F **.00139**	**-.00083**	**.02056**	**-.00017**	**.00238**	**.00039**
Stddev	.00031	.00510	.01092	.00009	.00000	.00125	.00008	.00020	.01420	.00028	.00005	.00121
%RSD	8.1638	21.646	21.646	14.101	1.9314	1533.7	6.0030	24.286	69.063	160.76	2.1775	307.74
#1	-.00408	.02717	.05815	.00055	.00020	.00080	.00134	-.00069	.01052	-.00037	.00242	.00125
#2	-.00363	.01996	.04271	.00067	.00021	-.00097	.00145	-.00097	.03060	.00002	.00235	-.00046
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							.00100					
Low Limit							-.00100					

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**3599.7**	**58312.**	**6781.0**
Stddev	2.0	752.	31.8
%RSD	.05649	1.2896	.46919
#1	3601.1	57780.	6758.5
#2	3598.3	58844.	6803.5

Sample Name: CCVL1397430 Acquired: 5/3/2012 19:37:05 Type: QC
Method: 6500_025(v2) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01053**	**.09602**	F **.00996**	**.09416**	**.01009**	**.00094**	**.10644**	**.17593**	**.00501**	**.01028**	**.01013**	**.01524**	**.10351**
Stddev	.00032	.00160	.00410	.00085	.00015	.00000	.00064	.00377	.00001	.00040	.00014	.00036	.00064
%RSD	3.0699	1.6636	41.125	.89819	1.5240	.24557	.59862	2.1415	.20174	3.8909	1.4066	2.3799	.61462
#1	.01076	.09489	.00706	.09356	.00998	.00094	.10689	.17860	.00500	.00999	.01003	.01550	.10396
#2	.01030	.09715	.01286	.09475	.01020	.00094	.10599	.17327	.00502	.01056	.01023	.01498	.10306
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value			.01500										
Range			-30.000%										

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**2.8989**	**.01064**	**.19433**	**.01037**	**.02007**	**.94935**	**.03975**	**2.6590**	**.00889**	**.01681**	**.00889**	**.01491**	**.46781**
Stddev	.0168	.00003	.00298	.00021	.00028	.00225	.00002	.0089	.00018	.00079	.00034	.00025	.00793
%RSD	.58102	.30457	1.5352	2.0015	1.3779	.23741	.04824	.33378	2.0583	4.7107	3.8516	1.6703	1.6949
#1	2.9108	.01066	.19222	.01023	.02027	.95094	.03973	2.6527	.00876	.01625	.00865	.01509	.46221
#2	2.8870	.01061	.19644	.01052	.01988	.94775	.03976	2.6653	.00902	.01737	.00913	.01474	.47342
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.0011**	**.09968**	**.00984**	**.01587**	**.01012**	**.01429**	F **.08608**	**.00929**	**.02049**	**.01565**
Stddev	.0170	.00039	.00002	.00006	.00019	.00056	.01988	.00019	.00045	.00062
%RSD	1.6949	.39251	.18909	.35819	1.8316	3.9439	23.093	2.0621	2.2087	3.9452
#1	.98912	.09996	.00983	.01583	.01025	.01389	.07202	.00916	.02081	.01521
#2	1.0131	.09941	.00986	.01591	.00999	.01469	.10013	.00943	.02017	.01609
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
Value							.06000			
Range							30.000%			

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**3614.6**	**58413.**	**6860.7**
Stddev	11.5	320.	46.2
%RSD	.31737	.54852	.67344
#1	3622.7	58639.	6828.0
#2	3606.5	58186.	6893.3

Sample Name: 280-28223-a-6-b Acquired: 5/3/2012 19:39:28 Type: Unk
Method: 6500_025(v2) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 117683 6010b

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00043**	**66.441**	**.02675**	**.01211**	**.59598**	**.00463**	**-.00750**	**39.806**	**.00101**	**.05420**
Stddev	.00006	.099	.00117	.00020	.00040	.00004	.00319	.248	.00003	.00012
%RSD	12.811	.14871	4.3627	1.6188	.06754	.87839	42.517	.62353	3.4058	.21669
#1	.00039	66.511	.02593	.01197	.59627	.00460	-.00976	39.982	.00099	.05412
#2	.00047	66.371	.02758	.01225	.59570	.00466	-.00525	39.631	.00104	.05428
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	271.441 {124}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.10219**	**.12603**	**140.71**	**13.864**	**.06823**	**33.287**	**2.6539**	**.00101**	**2.3168**	**.09429**
Stddev	.00012	.00024	.46	.024	.00092	.080	.0063	.00013	.0052	.00034
%RSD	.12024	.18654	.32357	.17502	1.3528	.24044	.23657	12.406	.22488	.36125
#1	.10210	.12586	141.03	13.881	.06757	33.231	2.6495	.00093	2.3205	.09453
#2	.10227	.12619	140.39	13.847	.06888	33.344	2.6583	.00110	2.3131	.09405
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **5.0647**	**.04743**	**.40108**	**-.00032**	**.00179**	**3.8182**	**8.1710**	**.00627**	**.25655**	**.02178**
Stddev	.0117	.00003	.00157	.00046	.00099	.0038	.0081	.00045	.00030	.00108
%RSD	.23142	.05510	.39174	140.93	55.362	.09890	.09890	7.0947	.11763	4.9567
#1	5.0564	.04745	.39997	-.00065	.00250	3.8209	8.1767	.00659	.25634	.02254
#2	5.0730	.04741	.40219	.00000	.00109	3.8156	8.1653	.00596	.25677	.02102
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	2.0000									
Low Limit	-1.0000									

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**8.5638**	**-.00275**	W **-.08979**	**.30680**	**.30875**	**.13275**
Stddev	.0131	.00025	.03872	.00040	.00153	.00002
%RSD	.15265	9.1244	43.119	.13152	.49535	.01660
#1	8.5546	-.00257	-.11716	.30709	.30767	.13274
#2	8.5731	-.00293	-.06241	.30652	.30983	.13277
Check ?	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass
High Limit			45.000			
Low Limit			-.05000			

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**3676.8**	**58965.**	**7233.5**
Stddev	7.1	33.	68.0
%RSD	.19264	.05661	.93938
#1	3671.8	58942.	7185.5
#2	3681.8	58989.	7281.6

Sample Name: 280-28223-a-7-b Acquired: 5/3/2012 19:41:45 Type: Unk
Method: 6500_025(v2) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 117683 6010b

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00007**	**71.885**	**.04170**	**.01088**	**.56504**	**.00613**	**-.01024**	**96.791**	**.00081**	**.07314**
Stddev	.00038	.503	.00353	.00038	.00485	.00008	.00027	.583	.00004	.00072
%RSD	545.56	.70024	8.4711	3.5001	.85878	1.3183	2.6770	.60279	5.1366	.99040
#1	-.00020	71.529	.04420	.01115	.56161	.00607	-.01044	96.379	.00084	.07365
#2	.00034	72.240	.03921	.01061	.56847	.00619	-.01005	97.204	.00078	.07263
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	271.441 {124}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.12196**	**.21234**	**195.58**	**10.828**	**.07346**	**45.468**	**3.1933**	**.00197**	**3.1693**	**.12499**
Stddev	.00058	.00056	1.28	.102	.00060	.109	.0018	.00026	.0443	.00077
%RSD	.47437	.26319	.65653	.93903	.82063	.23935	.05765	13.031	1.3973	.61582
#1	.12237	.21194	194.68	10.756	.07389	45.545	3.1946	.00179	3.1380	.12553
#2	.12155	.21274	196.49	10.900	.07303	45.391	3.1920	.00215	3.2007	.12445
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **8.6482**	**.05281**	**1.0807**	**-.00032**	**.00556**	**5.0116**	**10.725**	**.00589**	**.40664**	**.02259**
Stddev	.0350	.00042	.0036	.00176	.00818	.0287	.061	.00025	.00354	.00094
%RSD	.40525	.79066	.33302	546.40	147.08	.57320	.57320	4.2589	.87005	4.1444
#1	8.6729	.05311	1.0833	.00092	.01134	4.9913	10.681	.00571	.40414	.02325
#2	8.6234	.05252	1.0782	-.00157	-.00022	5.0319	10.768	.00607	.40914	.02193
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	2.0000									
Low Limit	-1.0000									

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **13.211**	**-.00270**	W **-.09487**	**.47717**	**.35872**	**.15704**
Stddev	.082	.00165	.01676	.00086	.00004	.00021
%RSD	.61904	60.931	17.670	.17965	.01093	.13648
#1	13.153	-.00154	-.08301	.47778	.35869	.15689
#2	13.268	-.00387	-.10672	.47657	.35875	.15719
Check ?	Chk Warn	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass
High Limit	10.000		45.000			
Low Limit	-.01000		-.05000			

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**3733.4**	**59994.**	**7479.3**
Stddev	1.1	214.	22.5
%RSD	.02901	.35720	.30110
#1	3734.2	60145.	7463.4
#2	3732.6	59842.	7495.2

Sample Name: 280-28223-a-8-b Acquired: 5/3/2012 19:44:07 Type: Unk
Method: 6500_025(v2) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 117683 6010b

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00003**	**49.627**	**.02190**	**.00724**	**.72195**	**.00668**	**-.01329**	**45.396**	**.00150**	**.07158**
Stddev	.00026	.039	.00041	.00056	.00118	.00001	.00049	.101	.00005	.00088
%RSD	984.30	.07955	1.8762	7.7775	.16338	.08173	3.7015	.22309	3.3750	1.2309
#1	-.00021	49.599	.02161	.00764	.72279	.00668	-.01364	45.468	.00153	.07220
#2	.00016	49.655	.02219	.00684	.72112	.00668	-.01295	45.324	.00146	.07096
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	271.441 {124}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.10940**	**.18594**	**187.43**	**9.1455**	**.05415**	**32.140**	**2.6418**	**.00195**	**3.6172**	**.07675**
Stddev	.00037	.00135	.75	.0363	.00019	.085	.0083	.00026	.0035	.00019
%RSD	.33802	.72584	.40061	.39741	.35889	.26302	.31380	13.603	.09695	.24710
#1	.10966	.18689	187.96	9.1712	.05429	32.200	2.6476	.00213	3.6147	.07688
#2	.10914	.18499	186.89	9.1198	.05402	32.080	2.6359	.00176	3.6197	.07661
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **7.9792**	**.04175**	**1.1089**	**-.00189**	**-.00175**	**3.7904**	**8.1114**	**.00474**	**.22234**	**.01900**
Stddev	.0378	.00081	.0032	.00071	.00614	.0736	.1574	.00013	.00043	.00040
%RSD	.47328	1.9336	.29023	37.477	349.94	1.9408	1.9408	2.8081	.19258	2.0877
#1	8.0059	.04118	1.1112	-.00239	-.00609	3.8424	8.2227	.00484	.22265	.01928
#2	7.9525	.04232	1.1066	-.00139	.00259	3.7384	8.0001	.00465	.22204	.01872
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	2.0000									
Low Limit	-1.0000									

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **18.469**	**-.00587**	W **-.08112**	**.55925**	**.38088**	**.16122**
Stddev	.010	.00189	.00863	.00065	.00084	.00249
%RSD	.05584	32.272	10.644	.11568	.22175	1.5428
#1	18.476	-.00453	-.08722	.55971	.38147	.16298
#2	18.462	-.00721	-.07501	.55879	.38028	.15946
Check ?	Chk Warn	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass
High Limit	10.000		45.000			
Low Limit	-.01000		-.05000			

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**3857.4**	**62090.**	**7724.4**
Stddev	2.9	115.	17.3
%RSD	.07406	.18549	.22347
#1	3855.4	62008.	7712.2
#2	3859.4	62171.	7736.6

Sample Name: 280-28223-a-9-b Acquired: 5/3/2012 19:46:29 Type: Unk
Method: 6500_025(v2) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 117683 6010b

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00039**	**74.523**	**.04525**	**.00759**	**.58586**	**.00830**	**-.01331**	**110.81**	**.00064**	**.09357**
Stddev	.00031	.198	.00121	.00103	.00153	.00008	.00191	.53	.00014	.00050
%RSD	80.665	.26597	2.6846	13.568	.26102	.91713	14.312	.48023	22.440	.53398
#1	-.00061	74.663	.04439	.00831	.58694	.00835	-.01466	111.19	.00054	.09321
#2	-.00017	74.383	.04611	.00686	.58478	.00824	-.01196	110.44	.00074	.09392
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	271.441 {124}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.08727**	**.22350**	**244.87**	**12.419**	**.08188**	**52.126**	**3.7118**	**.00178**	**3.2616**	**.10993**
Stddev	.00026	.00127	.81	.005	.00118	.042	.0116	.00010	.0146	.00020
%RSD	.29928	.56957	.32916	.04378	1.4429	.08026	.31138	5.5423	.44797	.17818
#1	.08746	.22260	245.44	12.423	.08104	52.097	3.7036	.00185	3.2719	.10979
#2	.08709	.22440	244.30	12.416	.08271	52.156	3.7199	.00171	3.2513	.11007
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **10.617**	**.05032**	**1.2065**	**-.00118**	**.00076**	**4.3438**	**9.2958**	**.00687**	**.35923**	**.02281**
Stddev	.014	.00144	.0005	.00092	.00148	.0291	.0624	.00046	.00117	.00038
%RSD	.13630	2.8647	.03919	77.309	194.87	.67117	.67117	6.7496	.32561	1.6658
#1	10.628	.05134	1.2069	-.00183	-.00029	4.3232	9.2517	.00720	.36006	.02308
#2	10.607	.04930	1.2062	-.00054	.00180	4.3645	9.3399	.00654	.35840	.02254
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	2.0000									
Low Limit	-1.0000									

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **19.026**	**-.00667**	F **-.12049**	**.64145**	**.43027**	**.24571**
Stddev	.116	.00338	.02618	.00098	.00022	.00014
%RSD	.60723	50.721	21.727	.15265	.05068	.05855
#1	19.107	-.00428	-.13900	.64215	.43042	.24560
#2	18.944	-.00906	-.10198	.64076	.43011	.24581
Check ?	Chk Warn	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit	10.000		50.000			
Low Limit	-.01000		-.10000			

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**3918.8**	**63555.**	**7980.9**
Stddev	8.1	260.	9.9
%RSD	.20706	.40891	.12455
#1	3913.1	63371.	7973.9
#2	3924.6	63738.	7987.9

Sample Name: 280-28223-a-10-b Acquired: 5/3/2012 19:48:58 Type: Unk
Method: 6500_025(v2) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 117683 6010b

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00032**	**71.829**	**.04262**	**.00794**	**.57376**	**.00784**	**-.00963**	**99.385**	**.00076**	**.08912**
Stddev	.00020	.003	.00110	.00006	.00117	.00003	.00030	.164	.00010	.00045
%RSD	60.991	.00418	2.5873	.75742	.20389	.33733	3.1156	.16515	13.804	.49942
#1	.00018	71.827	.04184	.00790	.57459	.00782	-.00984	99.501	.00068	.08880
#2	.00046	71.831	.04340	.00799	.57293	.00786	-.00941	99.268	.00083	.08943
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	271.441 {124}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.11215**	**.22061**	**245.56**	**11.108**	**.08281**	**52.438**	**3.5965**	**.00199**	**2.9834**	**.12690**
Stddev	.00009	.00097	.24	.008	.00008	.002	.0152	.00010	.0071	.00037
%RSD	.07878	.44044	.09813	.06963	.10016	.00391	.42263	4.8613	.23942	.29493
#1	.11209	.22130	245.73	11.113	.08276	52.439	3.6072	.00192	2.9884	.12717
#2	.11221	.21992	245.39	11.102	.08287	52.436	3.5857	.00206	2.9783	.12664
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **10.567**	**.04212**	**1.0513**	**-.00210**	**.00575**	**3.7984**	**8.1285**	**.00602**	**.40011**	**.02203**
Stddev	.026	.00081	.0053	.00253	.00656	.0017	.0036	.00026	.00079	.00071
%RSD	.24858	1.9117	.50119	120.50	114.08	.04451	.04451	4.3069	.19706	3.2005
#1	10.549	.04155	1.0476	-.00388	.00111	3.7996	8.1310	.00584	.40067	.02153
#2	10.586	.04269	1.0550	-.00031	.01040	3.7972	8.1259	.00620	.39955	.02253
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	2.0000									
Low Limit	-1.0000									

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **19.054**	**-.00479**	F **-.10830**	**.64097**	**.43010**	**.21275**
Stddev	.030	.00093	.01123	.00120	.00035	.00201
%RSD	.15964	19.354	10.374	.18666	.08176	.94656
#1	19.033	-.00414	-.11624	.64182	.42985	.21418
#2	19.076	-.00545	-.10035	.64013	.43035	.21133
Check ?	Chk Warn	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit	10.000		50.000			
Low Limit	-.01000		-.10000			

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**3852.6**	**62082.**	**7810.5**
Stddev	5.1	149.	40.5
%RSD	.13235	.23936	.51798
#1	3856.2	62187.	7839.1
#2	3849.0	61977.	7781.9

Sample Name: 280-28223-a-11-b Acquired: 5/3/2012 19:51:25 Type: Unk
Method: 6500_025(v2) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 117683 6010b

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00012**	**87.664**	**.03717**	**.01266**	**.84236**	**.00744**	**-.00930**	**44.257**	**.00149**	**.08200**
Stddev	.00027	.143	.00494	.00001	.00489	.00006	.00104	.001	.00003	.00013
%RSD	216.96	.16370	13.293	.06161	.58050	.74628	11.161	.00185	2.2159	.15285
#1	-.00031	87.562	.04066	.01266	.83890	.00748	-.01003	44.257	.00152	.08191
#2	.00007	87.765	.03367	.01265	.84581	.00740	-.00856	44.256	.00147	.08209
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	271.441 {124}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.14433**	**.19018**	**226.08**	**17.560**	**.08159**	**45.040**	**4.0051**	**.00170**	**2.8714**	**.13102**
Stddev	.00056	.00019	.34	.080	.00233	.016	.0361	.00033	.0392	.00050
%RSD	.38806	.09905	.14958	.45692	2.8618	.03562	.90198	19.416	1.3650	.38218
#1	.14393	.19005	226.32	17.503	.07993	45.051	4.0306	.00147	2.8437	.13067
#2	.14472	.19031	225.84	17.617	.08324	45.028	3.9795	.00193	2.8991	.13138
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **8.6291**	**.06588**	**.80063**	**-.00115**	**.00360**	**4.4230**	**9.4652**	**.00743**	**.28158**	**.02832**
Stddev	.0003	.00145	.00102	.00013	.00351	.0180	.0386	.00068	.00165	.00093
%RSD	.00326	2.2039	.12765	11.304	97.329	.40772	.40772	9.1197	.58547	3.2814
#1	8.6293	.06691	.79991	-.00106	.00112	4.4102	9.4379	.00791	.28042	.02766
#2	8.6289	.06485	.80136	-.00124	.00608	4.4357	9.4924	.00695	.28275	.02897
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	2.0000									
Low Limit	-1.0000									

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **15.895**	**-.00393**	F **-.11586**	**.56013**	**.81390**	**.22163**
Stddev	.012	.00041	.00994	.00028	.00052	.00169
%RSD	.07643	10.550	8.5800	.04968	.06440	.76230
#1	15.904	-.00422	-.10883	.56032	.81353	.22044
#2	15.887	-.00364	-.12289	.55993	.81427	.22283
Check ?	Chk Warn	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit	10.000		50.000			
Low Limit	-.01000		-.10000			

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**3823.3**	**61249.**	**7671.5**
Stddev	14.1	125.	12.7
%RSD	.36922	.20483	.16560
#1	3833.3	61160.	7680.5
#2	3813.3	61337.	7662.6

Sample Name: 280-28223-a-12-b Acquired: 5/3/2012 19:53:52 Type: Unk
Method: 6500_025(v2) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 117683 6010b

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00030**	**83.124**	**.03298**	**.01104**	**.74275**	**.00740**	**-.01132**	**42.045**	**.00090**	**.08102**
Stddev	.00027	.138	.00335	.00013	.00100	.00005	.00161	.012	.00011	.00031
%RSD	91.526	.16641	10.155	1.1767	.13459	.65237	14.213	.02750	11.751	.38700
#1	-.00049	83.026	.03062	.01094	.74204	.00737	-.01246	42.037	.00082	.08124
#2	-.00010	83.222	.03535	.01113	.74346	.00743	-.01018	42.053	.00097	.08079
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	271.441 {124}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.11310**	**.20751**	**223.21**	**16.979**	**.07584**	**44.773**	**3.3904**	**.00190**	**3.2886**	**.12393**
Stddev	.00034	.00060	.70	.096	.00147	.071	.0285	.00032	.0091	.00004
%RSD	.29864	.28767	.31524	.56667	1.9424	.15917	.83949	16.725	.27604	.03506
#1	.11334	.20793	222.71	16.911	.07688	44.723	3.4106	.00168	3.2950	.12390
#2	.11286	.20709	223.71	17.047	.07480	44.824	3.3703	.00213	3.2822	.12397
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **7.7604**	**.05307**	**.73528**	**-.00308**	**.00427**	**6.5636**	**14.046**	**.00724**	**.28566**	**.03286**
Stddev	.0250	.00014	.00171	.00235	.00100	.0628	.134	.00052	.00081	.00035
%RSD	.32170	.26993	.23226	76.452	23.347	.95626	.95626	7.2416	.28473	1.0719
#1	7.7781	.05317	.73648	-.00141	.00498	6.6080	14.141	.00761	.28509	.03261
#2	7.7428	.05297	.73407	-.00474	.00357	6.5193	13.951	.00687	.28624	.03311
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	2.0000									
Low Limit	-1.0000									

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **16.378**	**-.00384**	F **-.11217**	**.57540**	**.41409**	**.22782**
Stddev	.087	.00040	.00339	.00229	.00348	.00184
%RSD	.52979	10.288	3.0214	.39789	.84075	.80561
#1	16.317	-.00356	-.10978	.57378	.41162	.22912
#2	16.440	-.00412	-.11457	.57702	.41655	.22653
Check ?	Chk Warn	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit	10.000		50.000			
Low Limit	-.01000		-.10000			

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**3866.8**	**61727.**	**7667.6**
Stddev	3.0	78.	33.7
%RSD	.07754	.12689	.43974
#1	3868.9	61672.	7691.4
#2	3864.7	61783.	7643.7

Sample Name: 280-28223-a-13-d Acquired: 5/3/2012 19:56:18 Type: Unk
Method: 6500_025(v2) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 117683 6010b

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00058**	**61.789**	**.02450**	**.01097**	**.52936**	**.00423**	**-.00780**	**36.409**	**.00099**	**.04870**
Stddev	.00002	.070	.00273	.00037	.00073	.00003	.00149	.029	.00002	.00040
%RSD	2.8974	.11260	11.128	3.3296	.13863	.60614	19.092	.07840	2.4725	.81750
#1	.00057	61.838	.02643	.01123	.52988	.00421	-.00885	36.430	.00101	.04842
#2	.00059	61.740	.02258	.01072	.52884	.00425	-.00675	36.389	.00097	.04898
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	271.441 {124}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.09593**	**.11467**	**130.07**	**12.967**	**.06241**	**30.333**	**2.3521**	**.00090**	**2.2105**	**.08761**
Stddev	.00033	.00005	.26	.015	.00150	.043	.0050	.00028	.0076	.00044
%RSD	.33967	.04773	.20071	.11601	2.4080	.14178	.21284	31.272	.34620	.50121
#1	.09570	.11471	130.25	12.957	.06135	30.363	2.3556	.00070	2.2051	.08730
#2	.09616	.11463	129.88	12.978	.06347	30.303	2.3485	.00110	2.2159	.08792
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **4.9070**	**.04851**	**.35944**	**.00066**	**.00052**	**4.2583**	**9.1128**	**.00697**	**.23936**	**.02185**
Stddev	.0486	.00034	.00063	.00041	.00156	.0118	.0253	.00094	.00005	.00016
%RSD	.99109	.70477	.17576	62.744	300.60	.27713	.27713	13.439	.01994	.73945
#1	4.8726	.04875	.35900	.00037	.00162	4.2667	9.1306	.00763	.23939	.02196
#2	4.9413	.04827	.35989	.00095	-.00058	4.2500	9.0949	.00631	.23932	.02173
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	2.0000									
Low Limit	-1.0000									

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**7.9288**	**-.00267**	W **-.07360**	**.28556**	**.28372**	**.12103**
Stddev	.0144	.00000	.01419	.00024	.00130	.00098
%RSD	.18162	.10850	19.276	.08476	.45721	.80748
#1	7.9389	-.00267	-.08363	.28573	.28464	.12034
#2	7.9186	-.00267	-.06357	.28539	.28280	.12172
Check ?	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass
High Limit			45.000			
Low Limit			-.05000			

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**3687.1**	**59316.**	**7279.4**
Stddev	17.7	27.	5.6
%RSD	.48084	.04612	.07653
#1	3699.7	59297.	7275.4
#2	3674.6	59335.	7283.3

Sample Name: 280-28223-a-14-b Acquired: 5/3/2012 19:58:37 Type: Unk
Method: 6500_025(v2) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 117683 6010b

Elem	Ag3280	Al1670	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288
Line	328.068 {103}	167.079 {502}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00030**	**2.3335**	W **2.4657**	**.00131**	**.00117**	**.02443**	**.00039**	**-.00412**	**.41606**	**.00020**
Stddev	.00027	.0067	.0047	.00170	.00019	.00034	.00000	.00146	.00930	.00015
%RSD	87.005	.28570	.19048	129.85	16.561	1.4064	.29999	35.562	2.2363	74.983
#1	.00012	2.3382	2.4690	.00011	.00130	.02467	.00039	-.00308	.42264	.00031
#2	.00049	2.3288	2.4624	.00250	.00103	.02418	.00039	-.00515	.40948	.00009
Check ?	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit			500.00							
Low Limit			3.2000							

Elem	Co2286	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895
Line	228.616 {447}	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00115**	**.00152**	**.00142**	**3.4354**	**.65326**	**.00244**	**.27724**	**.07672**	**-.00008**	**.26444**
Stddev	.00012	.00012	.00002	.0212	.01893	.00178	.00500	.00092	.00001	.00286
%RSD	10.650	7.6914	1.1769	.61671	2.8971	72.967	1.8018	1.1963	11.568	1.0833
#1	.00106	.00160	.00141	3.4504	.66664	.00118	.27371	.07607	-.00008	.26646
#2	.00124	.00144	.00143	3.4204	.63987	.00370	.28078	.07737	-.00007	.26241
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077
Line	231.604 {446}	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00081**	**.06886**	**.00425**	**.07665**	**-.00126**	**-.00308**	**1.4567**	**3.1174**	**.00761**	**.00568**
Stddev	.00009	.00006	.00088	.00861	.00069	.00261	.0020	.0043	.00003	.00002
%RSD	11.143	.08638	20.779	11.237	54.546	84.943	.13683	.13683	.36240	.31798
#1	.00088	.06881	.00362	.08275	-.00077	-.00492	1.4553	3.1144	.00763	.00566
#2	.00075	.06890	.00487	.07056	-.00174	-.00123	1.4582	3.1205	.00759	.00569
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	283.730 {119}	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01918**	**.09202**	**-.00279**	**-.03855**	**.00356**	**.01357**	**.01083**
Stddev	.00039	.00254	.00058	.00819	.00003	.00003	.00053
%RSD	2.0103	2.7637	20.861	21.246	.91637	.19741	4.8515
#1	.01945	.09022	-.00238	-.03276	.00359	.01355	.01046
#2	.01891	.09382	-.00321	-.04435	.00354	.01359	.01120
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**3716.8**	**60516.**	**7127.1**
Stddev	.1	498.	15.4
%RSD	.00156	.82270	.21674
#1	3716.8	60868.	7116.2
#2	3716.7	60163.	7138.0

Sample Name: CCVH-1390999 Acquired: 5/3/2012 20:01:01 Type: QC
Method: 6500_025(v2) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00129**	**46.140**	**.00022**	**.00196**	**.00048**	**.00013**	**.99699**	**.01209**	**.00023**	**.00048**	**.00031**	**-.00625**
Stddev	.00032	.002	.00293	.00108	.00001	.00000	.00777	.00977	.00002	.00019	.00004	.00015
%RSD	24.949	.00443	1342.6	55.295	1.6617	3.6864	.77912	80.848	8.2750	39.144	11.677	2.3340
#1	-.00152	46.138	-.00186	.00273	.00048	.00013	1.0025	.00518	.00022	.00035	.00029	-.00635
#2	-.00106	46.141	.00229	.00119	.00047	.00014	.99150	.01900	.00025	.00062	.00034	-.00615
Check ?	None	Chk Pass	None	None	None	None	Chk Pass	None	None	None	None	None
Value												
Range												

Elem	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316	P_1782	Pb2203	S_1820	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**46.339**	**.04005**	**-.00002**	**-.02347**	**.00056**	**-.00087**	**236.07**	**.00150**	**.00184**	**-.00084**	**4.9769**	**-.00321**
Stddev	.011	.01289	.00066	.00059	.00015	.00054	.44	.00006	.00100	.00040	.0225	.00192
%RSD	.02364	32.182	3988.6	2.5282	27.418	61.907	.18782	3.7112	54.041	48.001	.45233	59.669
#1	46.347	.04916	-.00048	-.02305	.00067	-.00125	235.75	.00146	.00114	-.00112	4.9928	-.00456
#2	46.332	.03094	.00045	-.02389	.00045	-.00049	236.38	.00154	.00255	-.00055	4.9610	-.00186
Check ?	Chk Pass	None	None	None	None	None	Chk Pass	None	None	None	Chk Pass	None
Value												
Range												

Elem	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00534**	**.03972**	**.08501**	**.00185**	**.00037**	**5.0784**	**.01228**	**-.00190**	W **10.644**	**-.00484**	**.00149**	**-.05830**
Stddev	.00176	.00898	.01921	.00193	.00008	.0080	.00069	.00068	.042	.00004	.00091	.00371
%RSD	32.886	22.603	22.603	104.12	22.915	.15728	5.6508	35.876	.39893	.86946	60.929	6.3716
#1	.00410	.04607	.09859	.00322	.00031	5.0840	.01277	-.00142	10.614	-.00487	.00213	-.06092
#2	.00659	.03337	.07142	.00049	.00043	5.0728	.01179	-.00238	10.674	-.00481	.00085	-.05567
Check ?	None	None	None	None	None	Chk Pass	None	None	Chk Warn	None	None	None
Value									10.000			
Range									5.0000%			

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**3464.8**	**55241.**	**6808.6**
Stddev	2.2	101.	5.3
%RSD	.06324	.18326	.07721
#1	3466.4	55169.	6804.9
#2	3463.3	55313.	6812.3

Sample Name: CCV-1390955 Acquired: 5/3/2012 20:03:28 Type: QC
Method: 6500_025(v2) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.50562**	**.47180**	**1.0017**	**.47370**	**.48780**	F **.44527**	**-.00426**	F **4.4547**	**.49342**	**.49130**	**.49866**	**.53065**	**2.4610**
Stddev	.00144	.00067	.0021	.00116	.00165	.00280	.00250	.0428	.00043	.00019	.00064	.00174	.0294
%RSD	.28426	.14283	.21346	.24505	.33778	.62795	58.733	.95991	.08638	.03939	.12873	.32705	1.1957
#1	.50664	.47228	1.0032	.47288	.48897	.44725	-.00249	4.4850	.49312	.49116	.49821	.53188	2.4818
#2	.50460	.47133	1.0002	.47452	.48664	.44330	-.00602	4.4245	.49372	.49143	.49912	.52943	2.4402
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	None	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						.50000		5.0000					
Range						-10.490%		-10.490%					

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**47.431**	**.92961**	**18.747**	**.50288**	**.50242**	**4.6066**	**.48806**	**.91122**	**1.0100**	**.01253**	**.95377**	**1.0057**	F **4.4030**
Stddev	.235	.00572	.012	.00042	.00053	.0758	.00051	.00419	.0022	.00313	.00327	.0034	.0144
%RSD	.49531	.61520	.06650	.08305	.10470	1.6458	.10367	.45951	.21374	24.959	.34313	.34197	.32736
#1	47.597	.93366	18.738	.50317	.50279	4.6602	.48842	.90826	1.0085	.01475	.95145	1.0081	4.3928
#2	47.265	.92557	18.756	.50258	.50204	4.5530	.48770	.91418	1.0116	.01032	.95608	1.0033	4.4132
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Fail
Value													5.0000
Range													-10.490%

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **9.4224**	**.98887**	**.47973**	**.00306**	**.48607**	**.99715**	**.01621**	**.49533**	F **.44291**	**.49056**
Stddev	.0308	.00309	.00138	.00059	.00006	.00031	.00260	.00138	.00242	.00077
%RSD	.32736	.31228	.28698	19.256	.01202	.03152	16.028	.27951	.54526	.15622
#1	9.4006	.99105	.48070	.00264	.48611	.99693	.01437	.49631	.44120	.49110
#2	9.4442	.98668	.47876	.00347	.48603	.99737	.01805	.49435	.44462	.49002
Check ?	Chk Fail	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	None	Chk Pass	Chk Fail	Chk Pass
Value	10.700								.50000	
Range	-10.490%								-10.490%	

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**3559.2**	**57138.**	**6764.0**
Stddev	.6	86.	38.2
%RSD	.01575	.15113	.56519
#1	3559.6	57199.	6737.0
#2	3558.8	57077.	6791.1

Sample Name: CCB Acquired: 5/3/2012 20:05:42 Type: QC
Method: 6500_025(v2) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **.00098**	**.00115**	**-.00314**	**.00042**	**.00049**	**.00030**	**-.00155**	**.00301**	**.00013**	**.00009**	**.00020**	**-.00080**
Stddev	.00004	.00005	.00047	.00005	.00007	.00001	.00036	.00397	.00017	.00020	.00012	.00009
%RSD	3.8077	4.7860	14.998	11.085	14.208	3.9250	23.535	131.81	125.85	235.53	60.250	11.497
#1	.00096	.00111	-.00348	.00045	.00044	.00031	-.00129	.00020	.00025	-.00006	.00011	-.00087
#2	.00101	.00119	-.00281	.00039	.00054	.00029	-.00181	.00582	.00001	.00023	.00028	-.00074
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	.00093											
Low Limit	-.00093											

Elem	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.02185**	**.08607**	**.00212**	**.00681**	**.00021**	**.00104**	**.04289**	**.00020**	**-.00010**	**-.00128**	**.00567**	**.00124**
Stddev	.01561	.01917	.00022	.00013	.00001	.00010	.01676	.00013	.00066	.00044	.00079	.00116
%RSD	71.435	22.272	10.234	1.9612	7.0358	9.5027	39.072	62.501	639.31	34.109	13.890	93.016
#1	.01081	.07252	.00227	.00672	.00020	.00097	.03104	.00029	-.00057	-.00097	.00623	.00206
#2	.03288	.09963	.00196	.00691	.00022	.00111	.05474	.00011	.00037	-.00159	.00512	.00043
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit												
Low Limit												

Elem	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00014**	**.02013**	**.04309**	**-.00026**	**.00029**	**.00048**	W **.00091**	**-.00092**	**.02217**	**-.00009**	**.00253**	**.00053**
Stddev	.00365	.00421	.00901	.00054	.00001	.00036	.00004	.00142	.00055	.00027	.00035	.00004
%RSD	2678.7	20.920	20.920	205.83	2.0821	75.768	4.4730	153.48	2.4849	299.27	13.673	7.3302
#1	-.00272	.01716	.03671	-.00065	.00029	.00022	.00094	.00008	.02256	.00010	.00277	.00056
#2	.00245	.02311	.04946	.00012	.00028	.00073	.00088	-.00192	.02178	-.00028	.00228	.00050
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							.00060					
Low Limit							-.00060					

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**3616.7**	**58544.**	**6725.3**
Stddev	.1	583.	8.6
%RSD	.00282	.99642	.12819
#1	3616.6	58957.	6719.2
#2	3616.7	58132.	6731.4

Sample Name: CCVL1397430 Acquired: 5/3/2012 20:08:08 Type: QC
Method: 6500_025(v2) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01052**	**.09638**	**.01152**	**.09360**	**.00996**	**.00088**	**.10653**	**.17624**	**.00507**	**.01009**	**.01022**	**.01494**	**.09883**
Stddev	.00010	.00026	.00228	.00053	.00008	.00005	.00100	.00043	.00006	.00005	.00000	.00023	.00157
%RSD	.93263	.26882	19.768	.56853	.75531	5.8177	.93741	.24424	1.1701	.53774	.01262	1.5594	1.5871
#1	.01059	.09656	.00991	.09398	.01001	.00091	.10723	.17655	.00503	.01013	.01023	.01511	.09994
#2	.01045	.09620	.01313	.09323	.00990	.00084	.10582	.17594	.00512	.01005	.01022	.01478	.09772
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**2.8805**	**.01086**	**.19164**	**.01037**	**.01971**	**.91427**	**.03953**	**2.6547**	**.00884**	**.00657**	F **.00639**	F **.01013**	**.45708**
Stddev	.0079	.00105	.00163	.00002	.00032	.00764	.00061	.0020	.00174	.00275	.00080	.00138	.01029
%RSD	.27373	9.6752	.85288	.21414	1.6088	.83557	1.5520	.07611	19.642	41.840	12.473	13.626	2.2513
#1	2.8750	.01012	.19280	.01038	.01949	.91968	.03996	2.6561	.00761	.00851	.00696	.01110	.44981
#2	2.8861	.01160	.19049	.01035	.01994	.90887	.03909	2.6532	.01006	.00462	.00583	.00915	.46436
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Fail	Chk Fail	Chk Pass
Value											.01000	.01500	
Range											-30.000%	-30.000%	

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.97816**	**.10062**	**.00970**	**.01558**	**.00989**	**.01303**	**.07486**	**.00932**	**.02069**	**.01595**
Stddev	.02202	.00058	.00004	.00069	.00020	.00064	.02152	.00006	.00011	.00026
%RSD	2.2513	.57618	.40612	4.4199	1.9723	4.8805	28.741	.68229	.55347	1.6482
#1	.96258	.10103	.00973	.01606	.00975	.01258	.05965	.00937	.02061	.01614
#2	.99373	.10021	.00967	.01509	.01003	.01348	.09008	.00928	.02077	.01577
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value										
Range										

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**3613.7**	**58206.**	**6827.0**
Stddev	4.8	97.	35.3
%RSD	.13364	.16744	.51693
#1	3610.3	58275.	6851.9
#2	3617.1	58137.	6802.0

Sample Name: 280-28293-a-13-b@5 Acquired: 5/3/2012 20:10:31 Type: Unk
Method: 6500_025(v2) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 117738 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00039**	**.08646**	**.00117**	**.59781**	**.00235**	**-.00001**	**-.00529**	**85.095**	**.00018**	**-.00010**
Stddev	.00035	.00045	.00156	.00017	.00025	.00005	.00226	.446	.00006	.00015
%RSD	87.925	.52137	132.74	.02913	10.735	919.05	42.648	.52383	31.488	143.30
#1	.00064	.08614	.00227	.59793	.00253	-.00004	-.00369	85.411	.00014	.00000
#2	.00015	.08678	.00007	.59769	.00217	.00003	-.00688	84.780	.00022	-.00021
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00045**	**.00053**	**.06003**	**3.0738**	**.05758**	**11.140**	**.00196**	**.03510**	W **836.35**	**.00114**
Stddev	.00013	.00025	.00300	.0010	.00001	.012	.00002	.00005	2.15	.00002
%RSD	29.721	47.346	4.9965	.03384	.01385	.10656	.89257	.14261	.25755	1.3504
#1	.00054	.00035	.06215	3.0745	.05757	11.149	.00197	.03514	837.88	.00115
#2	.00036	.00071	.05791	3.0731	.05758	11.132	.00195	.03507	834.83	.00113
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass
High Limit									500.00	
Low Limit									11.000	

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00829**	**-.00102**	F **349.81**	**.00158**	**.00383**	**.86437**	**1.8497**	**.00011**	**1.0095**	**.00032**
Stddev	.00210	.00078	.27	.00040	.00274	.00977	.0209	.00114	.0040	.00014
%RSD	25.362	76.674	.07614	25.334	71.479	1.1306	1.1306	1075.6	.39877	44.804
#1	.00978	-.00157	350.00	.00186	.00577	.85746	1.8350	.00091	1.0124	.00042
#2	.00680	-.00047	349.62	.00129	.00190	.87128	1.8645	-.00070	1.0067	.00022
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit			200.00							
Low Limit			-.20000							

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00126**	**-.00329**	**-.00673**	**.00342**	**.00427**	**.00110**
Stddev	.00005	.00049	.00303	.00029	.00021	.00077
%RSD	3.5811	15.046	45.004	8.5322	4.8217	69.873
#1	.00123	-.00364	-.00888	.00321	.00412	.00056
#2	.00129	-.00294	-.00459	.00362	.00441	.00164
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**3195.3**	**50220.**	**6584.7**
Stddev	12.7	128.	24.5
%RSD	.39734	.25545	.37138
#1	3204.2	50130.	6567.4
#2	3186.3	50311.	6602.0

Sample Name: 280-28131-bb-4-b Acquired: 5/3/2012 20:13:00 Type: Unk
Method: 6500_025(v2) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 117184 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00064**	**.16960**	**-.00164**	**.12793**	**.02085**	**.00004**	**-.00530**	**8.8799**	**.00017**	**-.00024**
Stddev	.00007	.00091	.00296	.00093	.00018	.00003	.00312	.0866	.00004	.00001
%RSD	11.039	.53880	181.19	.72514	.87083	60.629	58.881	.97485	25.270	2.8552
#1	.00069	.16895	-.00373	.12727	.02098	.00006	-.00750	8.9411	.00014	-.00023
#2	.00059	.17024	.00046	.12858	.02073	.00003	-.00309	8.8187	.00020	-.00024
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00035**	**.00038**	**.00854**	**15.018**	**.04426**	**.13985**	**.00035**	**.01026**	**271.58**	**.00024**
Stddev	.00001	.00008	.00230	.010	.00112	.00008	.00001	.00004	.45	.00006
%RSD	3.1838	19.717	26.905	.06950	2.5356	.05940	4.1647	.41639	.16697	26.912
#1	.00034	.00033	.01016	15.011	.04505	.13991	.00034	.01029	271.90	.00019
#2	.00036	.00044	.00691	15.025	.04347	.13979	.00036	.01023	271.26	.00028
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00849**	**-.00016**	**130.15**	**-.00178**	**-.00346**	**8.3060**	**17.775**	**-.00117**	**.29790**	**.00031**
Stddev	.00077	.00132	.08	.00137	.00303	.0486	.104	.00154	.00008	.00123
%RSD	9.0630	819.07	.06198	77.342	87.437	.58521	.58521	130.93	.02746	399.28
#1	.00795	.00077	130.20	-.00275	-.00561	8.2716	17.701	-.00009	.29796	-.00056
#2	.00904	-.00109	130.09	-.00080	-.00132	8.3403	17.848	-.00226	.29784	.00118
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00035**	**-.00126**	**.00136**	**.00010**	**.00304**	**.00095**
Stddev	.00000	.00329	.01407	.00040	.00072	.00031
%RSD	.34482	261.15	1034.5	405.99	23.635	32.854
#1	.00035	-.00358	.01131	.00038	.00355	.00073
#2	.00035	.00107	-.00859	-.00019	.00253	.00117
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**3382.7**	**54223.**	**6774.4**
Stddev	.4	23.	66.1
%RSD	.01059	.04281	.97526
#1	3382.5	54207.	6727.7
#2	3383.0	54240.	6821.1

Sample Name: 280-28131-bb-4-bSD@5 Acquired: 5/3/2012 20:15:30 Type: Unk
Method: 6500_025(v2) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 117184 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00068**	**.03625**	**-.00198**	**.02667**	**.00428**	**.00003**	**-.00348**	**1.7889**	**.00004**	**-.00003**
Stddev	.00002	.00014	.00020	.00009	.00005	.00002	.00256	.0086	.00003	.00026
%RSD	3.4399	.37480	9.9146	.32774	1.0757	54.697	73.466	.47999	67.174	780.33
#1	.00067	.03634	-.00212	.02661	.00425	.00005	-.00529	1.7828	.00002	.00015
#2	.00070	.03615	-.00184	.02674	.00431	.00002	-.00167	1.7950	.00006	-.00022
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00002**	**-.00032**	**.00717**	**3.0576**	**.00984**	**.03699**	**.00044**	**.00189**	**55.733**	**.00022**
Stddev	.00008	.00037	.00149	.0214	.00034	.00986	.00028	.00014	.074	.00024
%RSD	438.75	116.83	20.712	.70114	3.4562	26.658	63.027	7.6113	.13346	105.36
#1	-.00004	-.00006	.00823	3.0425	.00960	.04397	.00063	.00179	55.786	.00006
#2	.00008	-.00058	.00612	3.0728	.01008	.03002	.00024	.00199	55.681	.00039
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00285**	**-.00020**	**25.233**	**-.00162**	**-.00296**	**1.6795**	**3.5942**	**.00068**	**.06047**	**.00177**
Stddev	.00052	.00097	.116	.00009	.00006	.0116	.0248	.00031	.00003	.00065
%RSD	18.421	484.11	.45958	5.4130	1.9517	.68887	.68887	45.715	.04991	36.813
#1	.00322	.00049	25.315	-.00168	-.00292	1.6713	3.5766	.00089	.06045	.00223
#2	.00248	-.00089	25.151	-.00156	-.00300	1.6877	3.6117	.00046	.06049	.00131
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00120**	**-.00215**	**.00194**	**-.00034**	**.00450**	**.00078**
Stddev	.00075	.00017	.01982	.00020	.00061	.00122
%RSD	62.370	7.6831	1020.8	59.943	13.524	158.00
#1	.00172	-.00227	-.01207	-.00048	.00407	-.00009
#2	.00067	-.00204	.01595	-.00020	.00493	.00164
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**3510.0**	**56485.**	**6722.9**
Stddev	5.0	215.	8.4
%RSD	.14375	.37991	.12453
#1	3506.4	56333.	6717.0
#2	3513.6	56637.	6728.8

Sample Name: 280-28131-bb-4-c ms Acquired: 5/3/2012 20:17:54 Type: Unk
Method: 6500_025(v2) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 117184 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.05447**	**1.8916**	**1.0664**	**1.0958**	**2.0232**	**.04654**	F **2.1059**	**53.844**	**.10218**	**.48940**
Stddev	.00003	.0110	.0017	.0010	.0031	.00017	.0042	.045	.00026	.00015
%RSD	.05937	.58056	.15740	.08941	.15523	.36313	.20138	.08368	.25401	.03015
#1	.05444	1.8838	1.0652	1.0951	2.0210	.04666	2.1089	53.876	.10236	.48950
#2	.05449	1.8993	1.0676	1.0965	2.0254	.04642	2.1029	53.812	.10199	.48929
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit							.10000			
Low Limit							-.10000			

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.20144**	**.27574**	**.99054**	**65.068**	**1.0093**	**47.162**	**.51784**	**1.0403**	**327.56**	**.48504**
Stddev	.00036	.00102	.00193	.088	.0005	.137	.00087	.0033	.88	.00089
%RSD	.17883	.36970	.19502	.13510	.04617	.28958	.16877	.32065	.26911	.18322
#1	.20119	.27502	.99191	65.005	1.0089	47.066	.51722	1.0427	326.94	.48567
#2	.20170	.27646	.98918	65.130	1.0096	47.259	.51845	1.0380	328.18	.48441
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **9.9767**	**.48140**	**133.72**	**.49834**	**2.1106**	**17.596**	**37.656**	**1.9749**	**1.3116**	**1.0544**
Stddev	.0001	.00015	.12	.00260	.0003	.004	.008	.0005	.0020	.0012
%RSD	.00107	.03177	.08949	.52096	.01517	.02107	.02107	.02554	.15209	.11732
#1	9.9766	.48151	133.80	.50018	2.1104	17.599	37.661	1.9753	1.3102	1.0535
#2	9.9767	.48129	133.63	.49651	2.1109	17.593	37.650	1.9746	1.3130	1.0552
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	2.0000									
Low Limit	-1.0000									

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.0034**	**1.8815**	**2.2547**	**.51375**	**.45645**	**.49452**
Stddev	.0046	.0002	.0172	.00102	.00253	.00049
%RSD	.46165	.01006	.76330	.19763	.55382	.09907
#1	1.0002	1.8816	2.2669	.51447	.45466	.49487
#2	1.0067	1.8813	2.2426	.51303	.45823	.49417
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**3303.0**	**52742.**	**6738.7**
Stddev	3.6	80.	48.8
%RSD	.10965	.15239	.72354
#1	3300.5	52799.	6773.1
#2	3305.6	52685.	6704.2

Sample Name: 280-28131-bb-4-d msd Acquired: 5/3/2012 20:20:09 Type: Unk
Method: 6500_025(v2) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 117184 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.05372**	**1.8812**	**1.0542**	**1.0887**	**2.0026**	**.04615**	F **2.0801**	**53.674**	**.10136**	**.48503**
Stddev	.00036	.0070	.0105	.0079	.0007	.00024	.0131	.145	.00041	.00277
%RSD	.67637	.37411	.99454	.72567	.03564	.51634	.62984	.26954	.40847	.57033
#1	.05397	1.8762	1.0468	1.0831	2.0031	.04632	2.0709	53.777	.10107	.48308
#2	.05346	1.8862	1.0616	1.0943	2.0021	.04598	2.0894	53.572	.10166	.48699
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit							.10000			
Low Limit							-.10000			

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.19944**	**.27192**	**.97941**	**64.661**	**1.0009**	**46.816**	**.51386**	**1.0318**	**326.51**	**.48114**
Stddev	.00061	.00047	.00416	.054	.0014	.177	.00260	.0043	.38	.00252
%RSD	.30432	.17137	.42512	.08372	.13706	.37790	.50585	.41811	.11530	.52296
#1	.19902	.27225	.98235	64.623	.99993	46.691	.51202	1.0287	326.78	.47936
#2	.19987	.27159	.97646	64.699	1.0019	46.941	.51570	1.0348	326.24	.48292
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **9.9037**	**.47554**	**133.43**	**.49306**	**2.0899**	**17.633**	**37.734**	**1.9575**	**1.3008**	**1.0463**
Stddev	.0399	.00494	.70	.00187	.0134	.003	.006	.0055	.0011	.0024
%RSD	.40311	1.0379	.52810	.38009	.64139	.01571	.01571	.27957	.08156	.22715
#1	9.8755	.47205	132.93	.49173	2.0804	17.631	37.730	1.9536	1.3015	1.0446
#2	9.9320	.47903	133.93	.49438	2.0993	17.635	37.739	1.9614	1.3000	1.0480
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	2.0000									
Low Limit	-1.0000									

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.99802**	**1.8713**	**2.2395**	**.50993**	**.45509**	**.48706**
Stddev	.00315	.0047	.0119	.00139	.00420	.00174
%RSD	.31582	.25203	.53135	.27290	.92275	.35786
#1	.99579	1.8680	2.2479	.50895	.45212	.48829
#2	1.0003	1.8747	2.2311	.51091	.45806	.48583
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**3306.7**	**52709.**	**6620.2**
Stddev	13.6	172.	3.1
%RSD	.41166	.32714	.04753
#1	3316.3	52831.	6622.5
#2	3297.1	52587.	6618.0

Sample Name: 280-28131-r-5-a Acquired: 5/3/2012 20:22:25 Type: Unk
Method: 6500_025(v2) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 117184 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00067**	**.00106**	**-.00354**	**.00212**	**.00130**	**.00007**	**-.00378**	**.04536**	**.00025**	**.00003**
Stddev	.00018	.00064	.00375	.00000	.00044	.00001	.00194	.01137	.00003	.00000
%RSD	27.264	59.841	105.82	.15849	33.407	19.328	51.321	25.061	12.802	.16141
#1	.00080	.00151	-.00089	.00213	.00099	.00006	-.00516	.03732	.00023	.00003
#2	.00054	.00061	-.00620	.00212	.00161	.00008	-.00241	.05340	.00027	.00003
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00003**	**-.00045**	**.00473**	**.15818**	**.00364**	**.05486**	**.00062**	**.00193**	**.31956**	**.00005**
Stddev	.00014	.00035	.00086	.00491	.00026	.03803	.00043	.00040	.06961	.00015
%RSD	478.46	78.885	18.251	3.1019	7.1534	69.332	69.987	20.532	21.783	281.91
#1	.00012	-.00020	.00534	.16165	.00383	.08175	.00093	.00165	.27034	-.00005
#2	-.00007	-.00070	.00412	.15471	.00346	.02796	.00031	.00221	.36878	.00015
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00364**	**.00033**	**.04062**	**-.00083**	**-.00163**	**.04213**	**.09017**	**.00002**	**.00092**	**.00229**
Stddev	.00139	.00025	.00200	.00012	.00324	.01643	.03515	.00087	.00024	.00099
%RSD	38.101	76.919	4.9151	13.927	199.01	38.985	38.985	4008.6	25.938	43.077
#1	.00462	.00050	.04203	-.00075	-.00391	.03052	.06531	-.00060	.00076	.00298
#2	.00266	.00015	.03921	-.00092	.00066	.05375	.11502	.00064	.00109	.00159
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00155**	**-.00102**	**.01151**	**.00034**	**.00322**	**.00147**
Stddev	.00069	.00109	.00327	.00032	.00052	.00094
%RSD	44.503	106.66	28.375	95.962	16.169	63.967
#1	.00204	-.00179	.01382	.00057	.00358	.00213
#2	.00106	-.00025	.00920	.00011	.00285	.00080
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**3618.9**	**58884.**	**6868.0**
Stddev	3.2	766.	15.3
%RSD	.08852	1.3005	.22250
#1	3621.1	58343.	6878.9
#2	3616.6	59426.	6857.2

Sample Name: 280-28131-s-6-c Acquired: 5/3/2012 20:24:50 Type: Unk
Method: 6500_025(v2) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 117184 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00049**	**.00066**	**-.00121**	**.00110**	**.00028**	**.00004**	**-.00240**	**.01641**	**.00019**	**-.00001**
Stddev	.00000	.00021	.00023	.00048	.00000	.00004	.00062	.00142	.00004	.00017
%RSD	.10209	31.947	19.015	43.385	.37102	95.836	25.820	8.6615	19.026	1875.4
#1	.00049	.00051	-.00104	.00076	.00028	.00006	-.00283	.01741	.00017	.00011
#2	.00049	.00081	-.00137	.00144	.00027	.00001	-.00196	.01540	.00022	-.00013
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00001**	**.00004**	**.00810**	**.06685**	**.00068**	**.00294**	**.00012**	**.00007**	**.10094**	**.00006**
Stddev	.00005	.00009	.00121	.02699	.00004	.00041	.00003	.00002	.00243	.00024
%RSD	779.42	241.74	14.928	40.373	6.2386	13.819	25.280	28.312	2.4100	422.94
#1	-.00004	-.00003	.00896	.08593	.00071	.00266	.00010	.00006	.10266	-.00011
#2	.00003	.00010	.00725	.04776	.00065	.00323	.00014	.00009	.09922	.00023
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00158**	**-.00099**	**.17575**	**-.00227**	**-.00184**	**.02601**	**.05567**	**-.00005**	**.00014**	**.00135**
Stddev	.00032	.00019	.00378	.00047	.00460	.00160	.00343	.00044	.00002	.00006
%RSD	20.328	19.546	2.1486	20.642	250.08	6.1688	6.1688	828.33	12.502	4.6143
#1	.00135	-.00086	.17308	-.00193	-.00510	.02715	.05810	-.00036	.00013	.00139
#2	.00180	-.00113	.17842	-.00260	.00141	.02488	.05324	.00026	.00015	.00131
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00013**	**-.00242**	**-.00383**	**-.00055**	**.00312**	**.00089**
Stddev	.00042	.00082	.00245	.00010	.00060	.00039
%RSD	315.71	33.964	63.951	17.629	19.127	43.832
#1	.00043	-.00184	-.00210	-.00048	.00270	.00117
#2	-.00016	-.00300	-.00556	-.00062	.00354	.00062
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**3615.0**	**58734.**	**6941.3**
Stddev	4.3	31.	1.4
%RSD	.11927	.05291	.01967
#1	3618.0	58756.	6940.3
#2	3611.9	58712.	6942.3

Sample Name: CCVH-1390999 Acquired: 5/3/2012 20:27:15 Type: QC
Method: 6500_025(v2) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00131**	**46.468**	**-.00210**	**.00150**	**.00066**	**.00003**	**.99886**	**.00377**	**.00016**	**.00025**	**.00037**	**-.00515**
Stddev	.00060	.033	.00074	.00038	.00002	.00003	.00780	.00143	.00013	.00008	.00003	.00020
%RSD	45.913	.07144	35.470	25.337	2.9345	90.187	.78089	37.894	82.877	32.654	7.8658	3.9640
#1	-.00089	46.445	-.00263	.00123	.00067	.00005	1.0044	.00276	.00007	.00031	.00040	-.00529
#2	-.00174	46.492	-.00157	.00176	.00065	.00001	.99335	.00478	.00026	.00019	.00035	-.00500
Check ?	None	Chk Pass	None	None	None	None	Chk Pass	None	None	None	None	None
Value												
Range												

Elem	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316	P_1782	Pb2203	S_1820	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**46.699**	**.09322**	**.00182**	**-.03012**	**.00012**	**-.00065**	**237.82**	**.00162**	**.00494**	**-.00088**	**4.9570**	**.00013**
Stddev	.084	.00867	.00122	.00032	.00005	.00041	.23	.00027	.00065	.00142	.0244	.00129
%RSD	.18009	9.2972	67.131	1.0608	43.926	62.828	.09810	16.680	13.141	161.90	.49283	1016.7
#1	46.758	.09934	.00269	-.02989	.00008	-.00093	237.98	.00143	.00448	.00013	4.9743	.00104
#2	46.639	.08709	.00096	-.03034	.00016	-.00036	237.65	.00181	.00539	-.00189	4.9398	-.00079
Check ?	Chk Pass	None	None	None	None	None	Chk Pass	None	None	None	Chk Pass	None
Value												
Range												

Elem	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00620**	**.02338**	**.05004**	**.00109**	**.00035**	**5.0634**	**.00869**	**-.00015**	W **10.602**	**-.00483**	**.00193**	**-.05351**
Stddev	.00159	.01143	.02445	.00123	.00000	.0271	.00002	.00273	.114	.00021	.00009	.00157
%RSD	25.668	48.873	48.873	112.55	.36740	.53475	.23506	1815.4	1.0728	4.4153	4.6036	2.9276
#1	.00732	.01530	.03274	.00022	.00035	5.0442	.00867	.00178	10.522	-.00468	.00186	-.05240
#2	.00507	.03146	.06733	.00196	.00035	5.0825	.00870	-.00208	10.683	-.00498	.00199	-.05461
Check ?	None	None	None	None	None	Chk Pass	None	None	Chk Warn	None	None	None
Value									10.000			
Range									5.0000%			

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**3440.2**	**54642.**	**6642.5**
Stddev	9.9	222.	.4
%RSD	.28833	.40660	.00555
#1	3433.2	54799.	6642.2
#2	3447.2	54485.	6642.8

Sample Name: CCV-1390955 Acquired: 5/3/2012 20:29:35 Type: QC
Method: 6500_025(v2) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.50739**	**.48439**	**.99746**	**.47874**	**.48924**	W **.44920**	**-.00372**	F **4.4649**	**.49359**	**.49228**	**.49766**	**.53025**
Stddev	.00168	.00201	.00147	.00223	.00020	.00105	.00165	.0059	.00079	.00074	.00041	.00017
%RSD	.33023	.41494	.14720	.46542	.04127	.23328	44.421	.13237	.15913	.14956	.08175	.03211
#1	.50621	.48581	.99850	.47716	.48938	.44846	-.00255	4.4607	.49303	.49280	.49795	.53013
#2	.50858	.48297	.99642	.48031	.48910	.44994	-.00489	4.4691	.49414	.49176	.49737	.53037
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	None	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						.50000		5.0000				
Range						-10.000%		-10.490%				

Elem	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**2.4378**	**47.492**	**.93009**	**19.009**	**.50517**	**.49971**	**4.6408**	**.48867**	**.92748**	**1.0082**	**.01793**	**.96527**
Stddev	.0074	.081	.00043	.008	.00087	.00082	.0134	.00004	.00257	.0019	.00327	.00197
%RSD	.30273	.17145	.04662	.04175	.17150	.16503	.28924	.00892	.27746	.19344	18.221	.20384
#1	2.4326	47.434	.93039	19.015	.50578	.50029	4.6503	.48870	.92930	1.0095	.02025	.96666
#2	2.4430	47.549	.92978	19.004	.50455	.49913	4.6313	.48864	.92566	1.0068	.01562	.96388
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass
Value												
Range												

Elem	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.0038**	F **4.4360**	F **9.4931**	**.98388**	**.48260**	**.00211**	**.48605**	**1.0015**	**.00950**	**.49311**	**.45102**	**.49011**
Stddev	.0064	.0453	.0969	.00068	.00020	.00002	.00123	.0044	.00537	.00039	.00102	.00039
%RSD	.63416	1.0209	1.0209	.06902	.04141	1.1320	.25246	.43730	56.496	.07828	.22678	.07934
#1	1.0083	4.4040	9.4245	.98340	.48246	.00210	.48692	.99841	.01330	.49339	.45175	.48983
#2	.99927	4.4680	9.5616	.98437	.48274	.00213	.48519	1.0046	.00571	.49284	.45030	.49038
Check ?	Chk Pass	Chk Fail	Chk Fail	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value		5.0000	10.700									
Range		-10.490%	-10.490%									

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**3538.3**	**56353.**	**6750.3**
Stddev	4.6	60.	34.4
%RSD	.13118	.10660	.51032
#1	3535.0	56311.	6774.7
#2	3541.6	56396.	6726.0

Sample Name: CCB Acquired: 5/3/2012 20:31:49 Type: QC
Method: 6500_025(v2) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **.00093**	**.00203**	**-.00384**	**.00047**	**.00055**	**.00030**	**-.00288**	**.00129**	**.00005**	**.00002**	**.00028**	**-.00050**
Stddev	.00003	.00106	.00028	.00012	.00016	.00012	.00211	.00043	.00011	.00006	.00007	.00031
%RSD	3.3442	52.006	7.1789	26.293	28.543	39.376	73.161	33.336	206.71	293.13	26.576	62.763
#1	.00091	.00128	-.00365	.00038	.00066	.00038	-.00437	.00099	.00013	-.00002	.00023	-.00028
#2	.00095	.00278	-.00404	.00056	.00044	.00022	-.00139	.00160	-.00002	.00006	.00033	-.00072
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	.00093											
Low Limit	-.00093											

Elem	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00999**	**.09694**	**.00070**	**.00426**	**.00018**	**.00099**	W **.10269**	**-.00006**	**.00114**	**-.00107**	**.00782**	**-.00029**
Stddev	.00073	.04134	.00052	.00150	.00005	.00021	.00629	.00003	.00011	.00027	.00078	.00075
%RSD	7.3096	42.642	73.795	35.269	27.195	20.735	6.1216	49.705	9.9736	24.974	10.034	257.51
#1	.01050	.12617	.00034	.00532	.00021	.00085	.10713	-.00008	.00122	-.00126	.00838	-.00082
#2	.00947	.06771	.00107	.00320	.00014	.00114	.09824	-.00004	.00106	-.00088	.00727	.00024
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							.09160					
Low Limit							-.09160					

Elem	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00292**	**.02534**	**.05423**	**-.00029**	**.00027**	**.00145**	**.00042**	**-.00107**	**.02212**	**-.00069**	**.00280**	**.00126**
Stddev	.00206	.00432	.00925	.00027	.00012	.00048	.00005	.00070	.00490	.00015	.00010	.00086
%RSD	70.556	17.063	17.063	93.456	45.867	33.041	12.986	65.528	22.139	21.095	3.4490	68.693
#1	-.00146	.02228	.04768	-.00048	.00036	.00111	.00038	-.00157	.01866	-.00080	.00273	.00187
#2	-.00437	.02840	.06077	-.00010	.00018	.00179	.00045	-.00057	.02558	-.00059	.00287	.00065
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit												
Low Limit												

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**3592.7**	**57680.**	**6665.7**
Stddev	11.2	343.	14.7
%RSD	.31066	.59522	.22124
#1	3600.6	57437.	6676.2
#2	3584.8	57923.	6655.3

Sample Name: CCVL1397430 Acquired: 5/3/2012 20:34:15 Type: QC
Method: 6500_025(v2) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01091**	**.09897**	**.01337**	**.09564**	**.01035**	**.00096**	**.10914**	**.18004**	**.00499**	**.01044**	**.01022**	**.01563**	**.09940**
Stddev	.00034	.00071	.00097	.00097	.00022	.00009	.00386	.00284	.00000	.00058	.00044	.00011	.00061
%RSD	3.0908	.72159	7.2683	1.0114	2.1408	9.0843	3.5325	1.5762	.06917	5.5790	4.2821	.67300	.61476
#1	.01067	.09947	.01406	.09633	.01019	.00089	.11186	.18205	.00499	.01085	.01053	.01556	.09983
#2	.01115	.09846	.01268	.09496	.01051	.00102	.10641	.17803	.00499	.01003	.00991	.01571	.09896
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**2.9806**	**.01030**	**.19511**	**.01043**	**.01989**	**.99195**	**.04022**	**2.7150**	**.00869**	**.01314**	**.00872**	F **.00935**	**.47333**
Stddev	.0149	.00001	.00177	.00005	.00015	.01225	.00028	.0144	.00081	.00491	.00089	.00194	.00623
%RSD	.49967	.11358	.90723	.47321	.76767	1.2350	.70288	.53069	9.3350	37.410	10.194	20.746	1.3159
#1	2.9700	.01029	.19386	.01040	.02000	.98328	.04002	2.7252	.00812	.01661	.00935	.01073	.47774
#2	2.9911	.01031	.19636	.01047	.01978	1.0006	.04042	2.7048	.00927	.00966	.00809	.00798	.46893
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Fail	Chk Pass
Value												.01500	
Range												-30.000%	

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.0129**	**.10129**	**.00996**	**.01498**	**.00986**	**.01412**	**.07498**	**.00942**	**.02177**	**.01709**
Stddev	.0133	.00146	.00003	.00000	.00028	.00033	.01772	.00005	.00073	.00027
%RSD	1.3159	1.4408	.31082	.02724	2.8360	2.3284	23.636	.56365	3.3662	1.5730
#1	1.0224	.10232	.00998	.01498	.01006	.01389	.06245	.00946	.02125	.01690
#2	1.0035	.10026	.00994	.01498	.00967	.01435	.08751	.00938	.02229	.01728
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value										
Range										

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**3595.9**	**57951.**	**6723.7**
Stddev	7.4	315.	4.6
%RSD	.20443	.54375	.06886
#1	3590.7	58174.	6720.4
#2	3601.1	57728.	6726.9

Sample Name: mb 280-117889/1-a Acquired: 5/3/2012 20:36:38 Type: Unk
Method: 6500_025(v2) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 117889 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00047**	**.01583**	**-.00329**	**.00091**	**.00022**	**.00004**	**-.00227**	**.01606**	**.00011**	**.00012**
Stddev	.00015	.00098	.00017	.00067	.00007	.00003	.00027	.00241	.00002	.00007
%RSD	31.228	6.2155	5.0483	73.140	31.979	88.694	12.072	15.017	13.425	60.670
#1	.00036	.01513	-.00340	.00138	.00017	.00001	-.00247	.01777	.00012	.00017
#2	.00057	.01652	-.00317	.00044	.00027	.00006	-.00208	.01436	.00010	.00007
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00093**	**-.00001**	F **1.7736**	**.04126**	**.00278**	**.00157**	**.00052**	**.00005**	**.05051**	**.00016**
Stddev	.00009	.00013	.0144	.01402	.00142	.00091	.00002	.00003	.00132	.00027
%RSD	10.016	1060.7	.81037	33.990	50.978	57.906	2.9160	51.600	2.6115	169.57
#1	.00099	.00008	1.7635	.03134	.00178	.00092	.00053	.00003	.04958	-.00003
#2	.00086	-.00011	1.7838	.05117	.00378	.00221	.00051	.00007	.05144	.00035
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit			.10000							
Low Limit			-.10000							

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00390**	F **.00372**	F **.02215**	**-.00269**	**-.00462**	F **.02378**	**.05089**	**-.00114**	**.00010**	**.00124**
Stddev	.00077	.00079	.00447	.00164	.00058	.00313	.00671	.00012	.00006	.00150
%RSD	19.745	21.336	20.181	60.816	12.588	13.177	13.177	10.564	60.159	120.29
#1	.00444	.00316	.01899	-.00384	-.00503	.02156	.04615	-.00105	.00015	.00230
#2	.00335	.00428	.02531	-.00153	-.00421	.02600	.05563	-.00122	.00006	.00019
Check ?	Chk Pass	Chk Fail	Chk Fail	Chk Pass	Chk Pass	Chk Fail	None	Chk Pass	Chk Pass	Chk Pass
High Limit		.00300	.01000			.01000				
Low Limit		-.00300	-.01000			-.01000				

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00036**	**-.00252**	**.01826**	**-.00027**	F **.91493**	**.00048**
Stddev	.00039	.00220	.00032	.00013	.00105	.00086
%RSD	109.42	87.203	1.7629	47.285	.11453	178.02
#1	.00063	-.00408	.01849	-.00018	.91419	.00109
#2	.00008	-.00097	.01803	-.00035	.91567	-.00013
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass
High Limit					.01000	
Low Limit					-.01000	

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**3614.0**	**58730.**	**6839.9**
Stddev	8.2	274.	35.8
%RSD	.22672	.46644	.52361
#1	3619.8	58924.	6865.2
#2	3608.2	58537.	6814.6

Sample Name: lcs 280-117889/2-a Acquired: 5/3/2012 20:39:03 Type: Unk
Method: 6500_025(v2) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 117889 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.05165**	**1.7751**	**1.0153**	**.96496**	**1.9773**	**.04604**	**2.1084**	F **44.295**	**.09939**	**.48485**
Stddev	.00002	.0040	.0045	.00112	.0048	.00019	.0035	.049	.00016	.00042
%RSD	.03237	.22721	.43900	.11640	.24348	.41182	.16563	.10962	.16393	.08635
#1	.05166	1.7723	1.0121	.96575	1.9807	.04617	2.1108	44.330	.09951	.48515
#2	.05163	1.7780	1.0185	.96416	1.9739	.04590	2.1059	44.261	.09928	.48456
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Fail	Chk Pass	Chk Pass
High Limit								55.000		
Low Limit								44.500		

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.19988**	**.27058**	**1.0843**	**48.466**	**.94389**	**47.589**	**.51280**	**1.0205**	**50.562**	**.48199**
Stddev	.00053	.00159	.0071	.141	.00035	.235	.00215	.0024	.012	.00021
%RSD	.26436	.58625	.65067	.29042	.03757	.49466	.41908	.23488	.02371	.04424
#1	.19951	.26946	1.0893	48.565	.94364	47.423	.51128	1.0188	50.570	.48184
#2	.20025	.27170	1.0793	48.366	.94415	47.756	.51432	1.0222	50.553	.48214
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**9.5472**	**.48457**	**.02302**	**.49182**	**2.0284**	F **9.0273**	F **19.318**	**1.9739**	**.98992**	**1.0320**
Stddev	.0184	.00309	.00369	.00111	.0021	.0343	.073	.0023	.00036	.0058
%RSD	.19231	.63846	16.027	.22485	.10436	.38036	.38036	.11588	.03671	.56425
#1	9.5602	.48238	.02563	.49261	2.0269	9.0030	19.266	1.9723	.99017	1.0278
#2	9.5342	.48675	.02041	.49104	2.0299	9.0516	19.370	1.9755	.98966	1.0361
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Fail	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit						11.500	24.610			
Low Limit						9.4000	20.100			

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.99111**	**1.9796**	**2.2576**	**.50290**	**.44866**	**.48788**
Stddev	.00613	.0013	.0248	.00245	.00636	.00024
%RSD	.61801	.06471	1.0962	.48772	1.4183	.04860
#1	.98678	1.9805	2.2401	.50117	.44416	.48805
#2	.99544	1.9786	2.2751	.50464	.45316	.48771
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**3425.3**	**54633.**	**6696.7**
Stddev	1.6	152.	11.1
%RSD	.04586	.27821	.16544
#1	3426.4	54741.	6704.5
#2	3424.2	54526.	6688.8

Sample Name: 280-28152-i-1-d Acquired: 5/3/2012 20:41:12 Type: Unk
Method: 6500_025(v2) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 117889 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00070**	**.00635**	**-.00357**	**.04824**	**.30758**	**.00008**	**-.00189**	**61.904**	**.00035**	**.00447**
Stddev	.00038	.00017	.00070	.00030	.00104	.00002	.00170	.398	.00014	.00035
%RSD	54.635	2.6689	19.581	.61665	.33763	30.637	89.723	.64233	41.596	7.7693
#1	.00097	.00647	-.00307	.04803	.30832	.00006	-.00069	62.185	.00024	.00472
#2	.00043	.00623	-.00406	.04845	.30685	.00010	-.00309	61.623	.00045	.00422
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00054**	**.00898**	**9.6807**	**8.4210**	**.00530**	**12.906**	**.89265**	**.00223**	**3.5884**	**.00705**
Stddev	.00013	.00033	.0413	.0202	.00011	.046	.00395	.00046	.0028	.00025
%RSD	23.710	3.7185	.42712	.24034	2.0505	.35861	.44247	20.630	.07755	3.5829
#1	.00063	.00875	9.7100	8.4353	.00522	12.873	.88986	.00191	3.5904	.00687
#2	.00045	.00922	9.6515	8.4066	.00538	12.938	.89544	.00256	3.5864	.00723
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00968**	**-.00046**	**1.8286**	**.00035**	**-.00106**	**7.4442**	**15.931**	**.00045**	**.19948**	**.00154**
Stddev	.00145	.00012	.0016	.00059	.00361	.0405	.087	.00017	.00040	.00019
%RSD	14.956	25.335	.08941	170.15	341.12	.54383	.54383	36.918	.19875	12.331
#1	.01070	-.00038	1.8274	.00076	.00150	7.4729	15.992	.00057	.19976	.00167
#2	.00865	-.00054	1.8297	-.00007	-.00361	7.4156	15.869	.00033	.19920	.00140
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00076**	**.00036**	**-.00625**	**-.00006**	**.02409**	**.00062**
Stddev	.00004	.00054	.00672	.00007	.00042	.00166
%RSD	5.6905	148.43	107.59	119.18	1.7409	267.76
#1	.00080	.00075	-.01101	-.00010	.02379	-.00055
#2	.00073	-.00002	-.00150	-.00001	.02439	.00179
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**3502.8**	**56383.**	**6758.0**
Stddev	3.2	195.	3.9
%RSD	.09006	.34672	.05812
#1	3505.0	56521.	6755.2
#2	3500.5	56244.	6760.7

Sample Name: 280-28152-i-2-c Acquired: 5/3/2012 20:43:36 Type: Unk
Method: 6500_025(v2) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 117889 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00101**	**.02371**	**.00624**	**.02537**	**.82243**	**.00003**	**-.00333**	**136.34**	**.00059**	**.00024**
Stddev	.00018	.00156	.00083	.00007	.00370	.00001	.00144	.87	.00014	.00014
%RSD	17.971	6.5924	13.366	.27895	.45005	53.869	43.162	.64127	22.974	57.885
#1	.00088	.02261	.00565	.02542	.82504	.00004	-.00232	136.96	.00050	.00014
#2	.00113	.02482	.00683	.02532	.81981	.00002	-.00435	135.72	.00069	.00034
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	271.441 {124}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00047**	**.00067**	**46.963**	**2.9044**	**.00696**	**27.554**	**2.0450**	**-.00021**	**6.4406**	**.00085**
Stddev	.00026	.00003	.395	.0202	.00101	.072	.0047	.00018	.0298	.00002
%RSD	54.321	4.8994	.84005	.69579	14.483	.26021	.22957	85.174	.46224	2.1263
#1	.00065	.00070	47.242	2.9187	.00768	27.604	2.0483	-.00034	6.4616	.00086
#2	.00029	.00065	46.684	2.8901	.00625	27.503	2.0417	-.00008	6.4195	.00084
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.19688**	**-.00129**	**5.1612**	**-.00209**	W **-.00526**	**9.9743**	**21.345**	**-.00108**	**.41060**	**-.00095**
Stddev	.00101	.00007	.0124	.00235	.00293	.0609	.130	.00135	.00210	.00094
%RSD	.51151	5.3626	.23945	112.40	55.621	.61025	.61025	124.27	.51152	98.796
#1	.19617	-.00125	5.1699	-.00375	-.00319	10.017	21.437	-.00013	.41208	-.00029
#2	.19759	-.00134	5.1524	-.00043	-.00733	9.9312	21.253	-.00204	.40911	-.00161
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					5.0000					
Low Limit					-.00500					

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00088**	**-.00200**	**-.00314**	**.00035**	**.00436**	**.00072**
Stddev	.00017	.00095	.02187	.00028	.00070	.00071
%RSD	19.191	47.692	696.25	77.892	16.037	98.449
#1	.00076	-.00132	-.01860	.00055	.00486	.00022
#2	.00100	-.00267	.01232	.00016	.00387	.00123
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**3414.9**	**54760.**	**6680.6**
Stddev	9.7	37.	21.2
%RSD	.28488	.06794	.31708
#1	3408.1	54786.	6665.6
#2	3421.8	54734.	6695.6

Sample Name: SD 280-28152-i-2-c@5 Acquired: 5/3/2012 20:45:57 Type: Unk
Method: 6500_025(v2) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 117889 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00039	.00509	-.00268	.00560	.16671	.00004	-.00194	27.676	.00020	.00006
Stddev	.00007	.00028	.00029	.00011	.00038	.00003	.00166	.007	.00011	.00007
%RSD	16.919	5.5010	10.775	1.9862	.22778	78.303	85.417	.02537	55.832	121.81
#1	.00034	.00489	-.00288	.00552	.16698	.00002	-.00311	27.671	.00028	.00001
#2	.00044	.00529	-.00248	.00568	.16644	.00006	-.00077	27.681	.00012	.00011
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00018	-.00041	9.6728	.61420	.00135	5.6159	.41496	-.00021	1.3198	-.00005
Stddev	.00005	.00008	.0110	.00758	.00075	.0001	.00022	.00015	.0069	.00025
%RSD	25.623	20.754	.11368	1.2335	55.372	.00181	.05397	71.788	.52123	531.76
#1	.00021	-.00047	9.6806	.60885	.00188	5.6159	.41481	-.00032	1.3247	-.00023
#2	.00015	-.00035	9.6651	.61956	.00082	5.6160	.41512	-.00010	1.3150	.00013
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.03879	-.00083	1.0074	-.00059	-.00314	1.9997	4.2794	.00026	.08320	.00073
Stddev	.00205	.00036	.0071	.00033	.00541	.0000	.0001	.00078	.00015	.00020
%RSD	5.2956	43.830	.70724	55.387	172.21	.00212	.00212	306.98	.17463	27.764
#1	.04024	-.00057	1.0024	-.00036	-.00697	1.9997	4.2795	-.00030	.08310	.00087
#2	.03734	-.00108	1.0125	-.00082	.00068	1.9997	4.2793	.00081	.08331	.00059
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00017	-.00137	.01591	-.00019	.00522	.00217
Stddev	.00009	.00169	.00266	.00057	.00008	.00074
%RSD	52.395	123.23	16.732	294.90	1.6019	34.180
#1	.00023	-.00018	.01403	-.00060	.00527	.00164
#2	.00011	-.00256	.01780	.00021	.00516	.00269
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	3529.1	56379.	6680.2
Stddev	.2	.	17.6
%RSD	.00432	.00012	.26318
#1	3529.3	56379.	6667.8
#2	3529.0	56379.	6692.6

Sample Name: 280-28152-i-2-d ms Acquired: 5/3/2012 20:48:20 Type: Unk
Method: 6500_025(v2) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 117889 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.05286	1.7403	1.0196	.98061	2.7539	.04544	F 2.0703	178.56	.09870	.46873
Stddev	.00006	.0000	.0031	.00154	.0152	.00012	.0053	1.69	.00037	.00031
%RSD	.11037	.00010	.30431	.15715	.55324	.26083	.25786	.94885	.37263	.06515
#1	.05290	1.7403	1.0174	.97952	2.7647	.04553	2.0665	179.76	.09844	.46851
#2	.05282	1.7403	1.0218	.98170	2.7432	.04536	2.0740	177.37	.09896	.46894
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit							.10000			
Low Limit							-.10000			

Elem	Cr2055	Cu3247	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	271.441 {124}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.19497	.26960	47.556	51.502	.95428	74.014	2.5019	.99653	57.231	.46607
Stddev	.00091	.00051	.111	.375	.00484	.013	.0047	.00021	.192	.00037
%RSD	.46563	.18836	.23242	.72892	.50699	.01810	.18813	.02133	.33573	.07896
#1	.19432	.26996	47.634	51.767	.95770	74.024	2.5053	.99638	57.367	.46581
#2	.19561	.26924	47.477	51.236	.95085	74.005	2.4986	.99668	57.095	.46633
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W 9.8108	.47079	5.1954	.48323	2.0270	18.833	40.303	1.9141	1.3849	1.0185
Stddev	.0071	.00168	.0140	.00193	.0034	.115	.246	.0045	.0063	.0032
%RSD	.07198	.35767	.26920	.39868	.16773	.61054	.61054	.23646	.45324	.31677
#1	9.8158	.47198	5.1856	.48187	2.0246	18.915	40.477	1.9173	1.3894	1.0208
#2	9.8058	.46960	5.2053	.48460	2.0294	18.752	40.129	1.9109	1.3805	1.0162
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	2.0000									
Low Limit	-1.0000									

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.97817	1.8818	2.2180	.49550	.43780	.48027
Stddev	.00190	.0027	.0302	.00089	.00013	.00332
%RSD	.19378	.14352	1.3595	.17971	.03078	.69190
#1	.97951	1.8799	2.2394	.49613	.43771	.48262
#2	.97683	1.8837	2.1967	.49487	.43790	.47792
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	3345.4	53381.	6600.6
Stddev	6.5	17.	39.1
%RSD	.19508	.03240	.59239
#1	3350.0	53394.	6572.9
#2	3340.8	53369.	6628.2

Sample Name: 280-28152-i-2-e msd Acquired: 5/3/2012 20:50:35 Type: Unk
Method: 6500_025(v2) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 117889 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.05197**	**1.7270**	**1.0104**	**.97008**	**2.7073**	**.04480**	F **2.0527**	**172.96**	**.09777**	**.46592**
Stddev	.00033	.0062	.0054	.00857	.0115	.00011	.0028	2.62	.00015	.00094
%RSD	.63311	.35683	.53516	.88327	.42351	.23710	.13709	1.5121	.15587	.20105
#1	.05220	1.7227	1.0066	.96402	2.7154	.04488	2.0507	174.81	.09766	.46525
#2	.05174	1.7314	1.0142	.97614	2.6992	.04473	2.0547	171.11	.09788	.46658
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit							.10000			
Low Limit							-.10000			

Elem	Cr2055	Cu3247	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	271.441 {124}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.19376**	**.26695**	**46.415**	**50.976**	**.94044**	**72.765**	**2.4433**	**.98534**	**56.605**	**.46226**
Stddev	.00099	.00044	.360	.219	.00495	.026	.0024	.00112	.293	.00065
%RSD	.50873	.16497	.77632	.42913	.52634	.03530	.09645	.11408	.51773	.14104
#1	.19307	.26664	46.670	51.131	.94394	72.747	2.4417	.98455	56.812	.46180
#2	.19446	.26726	46.160	50.822	.93694	72.783	2.4450	.98614	56.398	.46272
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **9.7421**	**.46401**	**5.0637**	**.48140**	**2.0217**	**18.487**	**39.562**	**1.8846**	**1.3594**	**1.0103**
Stddev	.0561	.00051	.0216	.00339	.0106	.152	.325	.0003	.0056	.0004
%RSD	.57549	.11030	.42643	.70451	.52237	.82077	.82077	.01315	.41176	.04335
#1	9.7024	.46437	5.0484	.47900	2.0142	18.594	39.791	1.8844	1.3634	1.0100
#2	9.7817	.46365	5.0789	.48380	2.0292	18.380	39.332	1.8848	1.3555	1.0106
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	2.0000									
Low Limit	-1.0000									

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.96406**	**1.8672**	**2.1872**	**.49087**	**.43429**	**.47183**
Stddev	.00162	.0044	.0234	.00184	.00212	.00123
%RSD	.16776	.23377	1.0723	.37576	.48763	.26027
#1	.96520	1.8641	2.1706	.48957	.43579	.47270
#2	.96291	1.8703	2.2038	.49217	.43279	.47097
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**3354.2**	**53775.**	**6630.9**
Stddev	2.2	121.	86.2
%RSD	.06447	.22542	1.2995
#1	3355.8	53861.	6570.0
#2	3352.7	53690.	6691.8

Sample Name: PDS 280-28152-i-2-c Acquired: 5/3/2012 20:52:48 Type: Unk
Method: 6500_025(v2) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 117889 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.04775**	**1.0070**	**.23108**	**.12081**	**.90556**	**.05041**	**-.00275**	**151.26**	**.05515**	**.05248**
Stddev	.00060	.0039	.00422	.00002	.00036	.00026	.00092	.13	.00005	.00016
%RSD	1.2639	.38426	1.8272	.01298	.03939	.51806	33.345	.08500	.08501	.30200
#1	.04733	1.0042	.22810	.12082	.90581	.05022	-.00340	151.17	.05519	.05260
#2	.04818	1.0097	.23407	.12080	.90530	.05059	-.00210	151.35	.05512	.05237
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	271.441 {124}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.05499**	**.06035**	**46.824**	**24.353**	**.11142**	**47.074**	**2.0206**	**.05070**	**29.469**	**.05226**
Stddev	.00023	.00017	.079	.007	.00110	.113	.0069	.00058	.039	.00015
%RSD	.42300	.28991	.16820	.02899	.98334	.24047	.34366	1.1517	.13098	.28820
#1	.05482	.06022	46.768	24.358	.11065	46.994	2.0157	.05028	29.496	.05237
#2	.05515	.06047	46.880	24.348	.11220	47.154	2.0255	.05111	29.442	.05216
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **2.2900**	**.10421**	**5.0234**	**.09925**	**.22296**	**14.207**	**30.402**	**.09611**	**.45409**	**.22348**
Stddev	.0068	.00090	.0156	.00215	.00094	.013	.027	.00097	.00024	.00112
%RSD	.29727	.86814	.31082	2.1666	.42002	.09000	.09000	1.0055	.05275	.50016
#1	2.2948	.10357	5.0123	.10077	.22362	14.216	30.422	.09542	.45426	.22269
#2	2.2852	.10484	5.0344	.09773	.22230	14.198	30.383	.09679	.45392	.22427
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	2.0000									
Low Limit	-1.0000									

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.05049**	**.21126**	**.61296**	**.05530**	**.19634**	**.04735**
Stddev	.00023	.00475	.01769	.00016	.00131	.00006
%RSD	.45636	2.2462	2.8864	.28706	.66843	.13222
#1	.05065	.21461	.60044	.05541	.19542	.04739
#2	.05033	.20790	.62547	.05519	.19727	.04730
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**3424.6**	**54832.**	**6711.4**
Stddev	5.1	236.	11.3
%RSD	.14839	.43068	.16820
#1	3428.2	54999.	6719.4
#2	3421.0	54665.	6703.4

Sample Name: 280-28152-i-4-b Acquired: 5/3/2012 20:55:05 Type: Unk
Method: 6500_025(v2) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 117889 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00054**	**.00842**	**.01260**	**.02446**	**.38228**	**.00010**	**-.00331**	**80.132**	**.00028**	**.00194**
Stddev	.00037	.00026	.00226	.00027	.00035	.00004	.00019	.076	.00006	.00003
%RSD	69.464	3.0889	17.954	1.1217	.09261	36.928	5.8136	.09546	22.898	1.4509
#1	.00080	.00824	.01100	.02426	.38203	.00012	-.00345	80.078	.00023	.00192
#2	.00027	.00861	.01420	.02465	.38253	.00007	-.00318	80.186	.00032	.00196
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00024**	**-.00002**	**19.309**	**2.3163**	**.00568**	**16.777**	**1.1883**	**-.00036**	**4.8312**	**.00192**
Stddev	.00001	.00003	.003	.0158	.00028	.047	.0021	.00033	.0182	.00037
%RSD	2.1978	170.48	.01323	.68211	4.8992	.27983	.17608	91.032	.37745	19.350
#1	.00024	.00000	19.307	2.3275	.00549	16.744	1.1869	-.00059	4.8441	.00218
#2	.00025	-.00004	19.311	2.3052	.00588	16.810	1.1898	-.00013	4.8183	.00166
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.09305**	**.00022**	**3.2407**	**-.00164**	**-.00167**	**8.1663**	**17.476**	**-.00094**	**.22041**	**-.00069**
Stddev	.00013	.00125	.0037	.00059	.00080	.0171	.037	.00041	.00022	.00020
%RSD	.13434	564.04	.11327	35.649	47.958	.20964	.20964	44.126	.09965	28.971
#1	.09314	-.00066	3.2433	-.00123	-.00224	8.1542	17.450	-.00123	.22025	-.00083
#2	.09297	.00110	3.2381	-.00206	-.00111	8.1784	17.502	-.00065	.22056	-.00055
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00045**	**-.00136**	**-.00290**	**.00014**	**.00412**	**.00104**
Stddev	.00002	.00037	.01437	.00022	.00024	.00071
%RSD	4.0846	27.264	494.86	151.57	5.9253	68.560
#1	.00044	-.00163	-.01307	.00029	.00429	.00154
#2	.00047	-.00110	.00726	-.00001	.00395	.00053
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**3531.4**	**56421.**	**6775.5**
Stddev	1.5	87.	8.1
%RSD	.04171	.15395	.11974
#1	3530.3	56482.	6769.8
#2	3532.4	56360.	6781.3

Sample Name: 280-28152-i-8-b Acquired: 5/3/2012 20:57:27 Type: Unk
Method: 6500_025(v2) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 117889 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00109**	**.02662**	**.03907**	**.01172**	**1.1357**	**.00013**	**-.00363**	**146.25**	**.00030**	**.00036**
Stddev	.00062	.00033	.00470	.00032	.0047	.00002	.00381	.77	.00011	.00012
%RSD	56.880	1.2500	12.020	2.7330	.41456	18.602	105.05	.52519	35.449	34.532
#1	.00065	.02685	.03575	.01194	1.1323	.00011	-.00093	145.71	.00023	.00044
#2	.00153	.02638	.04239	.01149	1.1390	.00014	-.00632	146.79	.00038	.00027
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	271.441 {124}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00075**	**.00261**	**69.580**	**6.7428**	**.00688**	**28.648**	**8.2163**	**.00022**	**7.6544**	**.00101**
Stddev	.00003	.00008	.199	.0001	.00115	.055	.0087	.00002	.0266	.00015
%RSD	4.3882	2.8913	.28626	.00199	16.757	.19306	.10572	7.2860	.34748	14.629
#1	.00077	.00256	69.439	6.7429	.00606	28.687	8.2101	.00021	7.6732	.00090
#2	.00072	.00266	69.721	6.7427	.00769	28.609	8.2224	.00023	7.6356	.00111
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.24631**	**.00137**	**.46202**	**-.00211**	**-.00159**	**12.978**	**27.773**	**.00044**	**.55762**	**-.00241**
Stddev	.00405	.00038	.00044	.00047	.00509	.147	.314	.00017	.00210	.00040
%RSD	1.6454	28.003	.09454	22.026	319.83	1.1291	1.1291	39.659	.37730	16.522
#1	.24344	.00164	.46171	-.00178	-.00519	12.874	27.551	.00031	.55613	-.00269
#2	.24918	.00110	.46232	-.00244	.00201	13.082	27.995	.00056	.55911	-.00213
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00073**	**-.00181**	**-.04828**	**.00187**	**.00395**	**.00225**
Stddev	.00020	.00112	.00278	.00010	.00077	.00067
%RSD	26.643	61.619	5.7594	5.3298	19.391	29.773
#1	.00087	-.00102	-.04632	.00194	.00449	.00273
#2	.00060	-.00260	-.05025	.00180	.00341	.00178
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**3440.9**	**55513.**	**6806.7**
Stddev	6.1	52.	10.5
%RSD	.17685	.09399	.15464
#1	3445.2	55550.	6814.2
#2	3436.6	55476.	6799.3

Sample Name: CCVH-1390999 Acquired: 5/3/2012 20:59:55 Type: QC
Method: 6500_025(v2) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2714
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00110**	**45.562**	**.00096**	**.00208**	**.00097**	**.00001**	**.98386**	**.05748**	**.00020**	**.00042**	**.00043**	**-.00392**	**45.734**
Stddev	.00005	.295	.00023	.00042	.00000	.00004	.00265	.02010	.00007	.00024	.00014	.00013	.313
%RSD	4.9455	.64853	24.257	20.146	.17602	411.22	.26957	34.972	37.712	57.331	33.610	3.2511	.68466
#1	-.00114	45.771	.00080	.00238	.00097	-.00002	.98198	.07169	.00025	.00059	.00032	-.00401	45.956
#2	-.00106	45.353	.00113	.00179	.00097	.00003	.98573	.04327	.00014	.00025	.00053	-.00383	45.513
Check ?	None	Chk Pass	None	None	None	None	Chk Pass	None	None	None	None	None	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.09899**	**.00192**	**-.01680**	**.00267**	**-.00066**	**233.55**	**.00130**	**.00183**	**-.00199**	**4.8372**	**-.00095**	**.00342**	**.02119**
Stddev	.00866	.00141	.00422	.00043	.00009	1.24	.00001	.00021	.00140	.0019	.00033	.00378	.00034
%RSD	8.7472	73.654	25.093	16.008	13.282	.53108	.89507	11.463	70.383	.04025	34.866	110.34	1.6267
#1	.10512	.00292	-.01382	.00298	-.00072	234.43	.00130	.00169	-.00100	4.8386	-.00119	.00075	.02095
#2	.09287	.00092	-.01978	.00237	-.00060	232.68	.00131	.00198	-.00298	4.8358	-.00072	.00610	.02143
Check ?	None	None	None	None	None	Chk Pass	None	None	None	Chk Pass	None	None	None
Value													
Range													

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.04535**	**.00185**	**.00054**	**4.9463**	**.00800**	**-.00229**	**10.460**	**-.00417**	**.00295**	**-.04693**
Stddev	.00074	.00035	.00009	.0662	.00000	.00157	.154	.00005	.00052	.00502
%RSD	1.6267	18.821	17.133	1.3376	.03316	68.421	1.4714	1.2142	17.551	10.698
#1	.04483	.00209	.00060	4.8995	.00800	-.00340	10.351	-.00413	.00332	-.04338
#2	.04587	.00160	.00047	4.9930	.00800	-.00118	10.569	-.00421	.00258	-.05048
Check ?	None	None	None	Chk Pass	None	None	Chk Pass	None	None	None
Value										
Range										

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**3485.1**	**55204.**	**6706.4**
Stddev	.9	230.	46.4
%RSD	.02470	.41638	.69221
#1	3484.5	55366.	6673.5
#2	3485.7	55041.	6739.2

Sample Name: CCV-1390955 Acquired: 5/3/2012 21:02:14 Type: QC
Method: 6500_025(v2) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.50411**	**.47441**	**.98589**	**.47522**	**.48333**	F **.44742**	**-.00308**	F **4.4238**	**.48684**	**.48704**	**.49169**	**.52728**	**2.4082**
Stddev	.00092	.00321	.00323	.00052	.00069	.00194	.00360	.0144	.00022	.00178	.00034	.00241	.0032
%RSD	.18298	.67586	.32796	.10950	.14243	.43449	116.81	.32562	.04475	.36597	.06899	.45618	.13323
#1	.50477	.47667	.98818	.47485	.48284	.44604	-.00563	4.4136	.48668	.48578	.49193	.52898	2.4104
#2	.50346	.47214	.98360	.47559	.48382	.44879	-.00054	4.4340	.48699	.48830	.49145	.52558	2.4059
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	None	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						.50000		5.0000					
Range						-10.490%		-10.490%					

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**47.185**	**.91586**	**18.956**	**.50282**	**.49392**	**4.5714**	**.48231**	**.92174**	**.99424**	**.00869**	**.95799**	**.99005**	F **4.4324**
Stddev	.056	.00009	.049	.00039	.00004	.0029	.00025	.00829	.00030	.00059	.00458	.00232	.0153
%RSD	.11861	.01033	.25736	.07781	.00856	.06404	.05120	.89922	.03063	6.8254	.47790	.23483	.34598
#1	47.225	.91580	18.922	.50310	.49389	4.5735	.48248	.91587	.99445	.00827	.96123	.98840	4.4216
#2	47.145	.91593	18.991	.50255	.49395	4.5694	.48213	.92760	.99402	.00911	.95476	.99169	4.4433
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Fail
Value													5.0000
Range													-10.490%

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **9.4854**	**.97637**	**.47910**	**.00219**	**.48183**	**.98863**	**.00996**	**.48701**	**.45065**	**.48617**
Stddev	.0328	.00181	.00028	.00233	.00023	.00488	.02375	.00017	.00212	.00310
%RSD	.34598	.18524	.05760	105.99	.04843	.49356	238.42	.03412	.47040	.63667
#1	9.4622	.97509	.47891	.00384	.48200	.98518	-.00683	.48689	.44915	.48836
#2	9.5086	.97765	.47930	.00055	.48167	.99208	.02675	.48712	.45215	.48398
Check ?	Chk Fail	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value	10.700									
Range	-10.490%									

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**3564.7**	**56678.**	**6772.1**
Stddev	1.1	232.	4.8
%RSD	.03005	.40938	.07113
#1	3565.4	56842.	6768.7
#2	3563.9	56514.	6775.5

Sample Name: CCB Acquired: 5/3/2012 21:04:26 Type: QC
Method: 6500_025(v2) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00056**	**-.00026**	**-.00187**	**.00020**	**.00039**	**.00029**	**-.00068**	**.00115**	**.00006**	**-.00010**	**-.00008**	**-.00061**
Stddev	.00013	.00033	.00408	.00101	.00006	.00013	.00078	.00176	.00011	.00010	.00003	.00010
%RSD	23.038	125.67	217.72	498.31	15.680	45.907	114.80	153.09	178.92	103.60	35.282	16.118
#1	.00047	-.00003	-.00475	.00091	.00043	.00039	-.00122	.00239	.00014	-.00003	-.00006	-.00068
#2	.00065	-.00050	.00101	-.00051	.00034	.00020	-.00013	-.00009	-.00002	-.00017	-.00010	-.00054
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit												
Low Limit												

Elem	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00552**	**.12162**	**.00176**	**.00524**	**.00022**	**.00106**	**.07595**	**-.00007**	**.00065**	**-.00094**	**.00278**	**-.00117**
Stddev	.00125	.01342	.00153	.00047	.00006	.00037	.00082	.00009	.00168	.00039	.00183	.00093
%RSD	22.685	11.032	86.681	9.0208	27.346	34.446	1.0781	129.64	258.27	41.478	65.676	79.819
#1	.00641	.13111	.00284	.00490	.00027	.00080	.07537	-.00013	.00183	-.00121	.00407	-.00051
#2	.00463	.11213	.00068	.00557	.00018	.00132	.07652	-.00001	-.00054	-.00066	.00149	-.00183
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit												
Low Limit												

Elem	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00415**	W **.03913**	**.08374**	**-.00083**	**.00024**	**.00055**	**.00053**	**-.00092**	**.01874**	**-.00027**	**.00295**	**.00100**
Stddev	.00033	.00168	.00360	.00074	.00010	.00067	.00011	.00038	.01173	.00008	.00059	.00021
%RSD	7.9879	4.2947	4.2947	88.355	41.060	120.03	21.084	41.221	62.611	28.370	19.900	20.434
#1	-.00439	.03794	.08120	-.00135	.00031	.00103	.00045	-.00118	.01044	-.00022	.00253	.00115
#2	-.00392	.04032	.08629	-.00031	.00017	.00008	.00061	-.00065	.02703	-.00033	.00337	.00086
Check ?	Chk Pass	Chk Warn	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit		.03470										
Low Limit		-.06940										

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**3626.8**	**58389.**	**6712.6**
Stddev	3.2	495.	76.2
%RSD	.08927	.84837	1.1353
#1	3624.5	58038.	6766.5
#2	3629.1	58739.	6658.7

Sample Name: CCVL1397430 Acquired: 5/3/2012 21:06:51 Type: QC
Method: 6500_025(v2) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599	K_7664
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01012**	**.09606**	**.01224**	**.09361**	**.01000**	**.00090**	**.10370**	**.17715**	**.00497**	**.00995**	**.00997**	**.01524**	**.09621**	**2.8852**
Stddev	.00028	.00021	.00155	.00054	.00004	.00008	.00025	.00328	.00009	.00001	.00022	.00008	.00004	.0436
%RSD	2.7386	.21367	12.675	.57723	.37446	8.8747	.23700	1.8513	1.8267	.05984	2.2229	.54335	.04581	1.5110
#1	.01031	.09620	.01334	.09400	.01002	.00096	.10387	.17483	.00491	.00995	.00981	.01530	.09617	2.8544
#2	.00992	.09591	.01114	.09323	.00997	.00085	.10352	.17947	.00504	.00995	.01012	.01518	.09624	2.9161
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value														
Range														

Elem	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00989**	**.19402**	**.01037**	**.01974**	**.95986**	**.03938**	**2.6573**	**.00870**	**.00627**	**.00831**	**.01232**	**.46260**	**.98997**	**.09769**
Stddev	.00134	.00190	.00001	.00018	.01301	.00008	.0060	.00058	.00080	.00112	.00309	.00026	.00056	.00029
%RSD	13.531	.97919	.06783	.93624	1.3550	.21477	.22577	6.6955	12.741	13.513	25.068	.05707	.05707	.30143
#1	.01084	.19267	.01036	.01961	.95066	.03932	2.6616	.00829	.00684	.00752	.01013	.46279	.99037	.09790
#2	.00895	.19536	.01037	.01987	.96906	.03944	2.6531	.00911	.00571	.00910	.01450	.46242	.98957	.09748
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value														
Range														

Elem	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00963**	**.01483**	**.00956**	**.01539**	**.07494**	**.00947**	**.02136**	**.01465**
Stddev	.00003	.00003	.00001	.00058	.01873	.00010	.00011	.00019
%RSD	.31727	.20401	.09876	3.7564	25.001	1.0090	.52580	1.2718
#1	.00966	.01481	.00957	.01579	.08818	.00940	.02128	.01452
#2	.00961	.01485	.00956	.01498	.06169	.00953	.02144	.01478
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value								
Range								

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**3652.7**	**58382.**	**6775.2**
Stddev	7.0	67.	3.1
%RSD	.19285	.11540	.04554
#1	3647.8	58430.	6773.1
#2	3657.7	58334.	6777.4

Sample Name: 280-28210-g-8-b Acquired: 5/3/2012 21:09:15 Type: Unk
Method: 6500_025(v2) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 117889 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	k **.00081**	k **.08376**	k **-.00257**	**.08059**	**1.0461**	k **.00011**	k **-.00578**	**141.44**	k **.00044**	k **.00013**
Stddev	.00024	.00954	.00405	.00152	.0015	.00012	.00186	.44	.00005	.00020
%RSD	29.447	11.390	157.77	1.8811	.14475	112.38	32.239	.31119	12.086	148.26
#1	k .00098	k .09051	k .00030	.07951	1.0451	k .00020	k -.00446	141.12	k .00048	k -.00001
#2	k .00064	k .07702	k -.00543	.08166	1.0472	k .00002	-.00710	141.75	k .00041	k .00028
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	271.441 {124}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	k **.00090**	k **.00066**	k **42.927**	**2.8494**	**.00642**	**29.772**	k **5.4205**	k **-.00040**	**5.1390**	**-.00013**
Stddev	.00001	.00014	.293	.0057	.00083	.036	.0113	.00027	.0023	.00001
%RSD	.86202	21.170	.68297	.20067	12.942	.12071	.20923	66.950	.04461	8.9629
#1	k .00089	k .00076	k 42.719	2.8535	.00583	29.797	k 5.4125	k -.00021	5.1406	-.00012
#2	k .00091	k .00056	k 43.134	2.8454	.00700	29.746	k 5.4286	k -.00059	5.1374	-.00014
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.21622**	k **.00097**	k **.29077**	k **.00174**	kF **-.01565**	**11.613**	**24.853**	k **.00005**	**.46373**	k **.03460**
Stddev	.00102	.00085	.00485	.00033	.00331	.045	.097	.00070	.00035	.00118
%RSD	.46998	87.966	1.6696	19.118	21.146	.38925	.38925	1481.7	.07467	3.4240
#1	.21694	k .00157	k .29420	k .00198	k -.01331	11.645	24.921	k .00055	.46348	k .03544
#2	.21550	k .00037	k .28734	k .00151	k -.01799	11.581	24.784	k -.00045	.46397	k .03376
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					50.000					
Low Limit					-.01000					

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	k **.00047**	k **.00215**	k **.00165**	k **-.00497**	k **.00634**	k **-.00072**
Stddev	.00003	.00053	.03349	.00044	.00024	.00030
%RSD	6.3600	24.423	2024.3	8.8481	3.7138	41.496
#1	k .00045	k .00178	k -.02203	k -.00529	k .00651	k -.00051
#2	k .00049	k .00253	k .02534	k -.00466	k .00618	k -.00093
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**3448.7**	**55398.**	**6739.2**
Stddev	12.2	174.	21.5
%RSD	.35268	.31447	.31907
#1	3457.3	55521.	6724.0
#2	3440.1	55275.	6754.4

Sample Name: 280-28210-g-9-b Acquired: 5/3/2012 21:11:43 Type: Unk
Method: 6500_025(v2) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 117889 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00071**	**.01192**	**-.00095**	**.04375**	**.88433**	**.00003**	**-.00181**	**99.778**	**.00034**	**-.00006**
Stddev	.00025	.00062	.00045	.00014	.00336	.00002	.00091	.137	.00004	.00003
%RSD	35.339	5.2422	47.731	.31641	.37989	74.783	50.473	.13690	12.107	43.780
#1	.00053	.01148	-.00126	.04365	.88670	.00002	-.00246	99.875	.00031	-.00004
#2	.00089	.01236	-.00063	.04385	.88195	.00005	-.00117	99.681	.00036	-.00008
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00071**	**.00061**	**26.791**	**5.1333**	**.00635**	**22.663**	**2.6543**	**.00009**	**4.2062**	**.00084**
Stddev	.00017	.00014	.140	.0534	.00038	.189	.0233	.00015	.0175	.00019
%RSD	24.684	23.808	.52359	1.0409	6.0108	.83398	.87738	163.02	.41565	22.268
#1	.00058	.00051	26.890	5.1711	.00608	22.530	2.6378	-.00001	4.2186	.00071
#2	.00083	.00071	26.692	5.0955	.00662	22.797	2.6708	.00019	4.1939	.00098
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.17922**	**.00098**	**.27629**	**-.00147**	**-.00206**	**12.472**	**26.689**	**-.00177**	**.34739**	**.00088**
Stddev	.00001	.00027	.00302	.00047	.00103	.020	.042	.00005	.00129	.00111
%RSD	.00584	27.439	1.0918	32.132	50.026	.15786	.15786	2.5727	.37148	126.12
#1	.17923	.00079	.27842	-.00181	-.00133	12.458	26.660	-.00181	.34831	.00010
#2	.17921	.00117	.27415	-.00114	-.00279	12.486	26.719	-.00174	.34648	.00167
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00044**	**-.00166**	**-.01590**	**.00081**	**.00798**	**.00185**
Stddev	.00038	.00240	.01612	.00007	.00050	.00198
%RSD	84.876	144.68	101.39	8.1008	6.3250	106.73
#1	.00071	.00004	-.00450	.00077	.00834	.00046
#2	.00018	-.00336	-.02729	.00086	.00763	.00325
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**3502.5**	**56174.**	**6806.0**
Stddev	5.2	433.	15.3
%RSD	.14908	.77057	.22514
#1	3498.9	56480.	6795.2
#2	3506.2	55868.	6816.9

Sample Name: 280-28210-g-10-b Acquired: 5/3/2012 21:14:06 Type: Unk
Method: 6500_025(v2) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 117889 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00084**	**.01232**	**-.00217**	**.05116**	**.91792**	**.00003**	**-.00321**	**99.757**	**.00040**	**-.00010**
Stddev	.00016	.00024	.00210	.00005	.00212	.00001	.00078	.672	.00007	.00011
%RSD	19.091	1.9186	96.666	.08923	.23069	35.899	24.344	.67372	16.915	107.08
#1	.00073	.01249	-.00365	.05119	.91941	.00002	-.00376	100.23	.00045	-.00002
#2	.00095	.01215	-.00069	.05113	.91642	.00004	-.00266	99.282	.00035	-.00017
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00112**	**.00050**	**28.368**	**2.5058**	**.00621**	**22.835**	**2.7003**	**-.00026**	**3.6712**	**.00011**
Stddev	.00013	.00022	.099	.0351	.00164	.141	.0133	.00009	.0104	.00022
%RSD	11.759	44.719	.35005	1.4021	26.382	.61715	.49203	34.634	.28417	190.76
#1	.00103	.00066	28.438	2.5307	.00737	22.935	2.7097	-.00033	3.6786	-.00004
#2	.00121	.00034	28.298	2.4810	.00505	22.735	2.6909	-.00020	3.6638	.00027
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.24647**	**.00027**	**.12747**	**-.00089**	**-.00417**	**12.824**	**27.444**	**-.00072**	**.35006**	**.00006**
Stddev	.00097	.00163	.00461	.00018	.00008	.096	.205	.00029	.00081	.00004
%RSD	.39486	615.73	3.6162	19.964	2.0246	.74758	.74758	39.748	.23222	69.525
#1	.24578	.00142	.12421	-.00101	-.00423	12.892	27.589	-.00093	.35064	.00009
#2	.24716	-.00089	.13073	-.00076	-.00411	12.756	27.299	-.00052	.34949	.00003
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00327**	**-.00065**	**-.00529**	**.00070**	**.01105**	**.00276**
Stddev	.00007	.00010	.01390	.00008	.00032	.00043
%RSD	2.0330	15.177	262.57	12.087	2.8637	15.477
#1	.00332	-.00072	.00453	.00076	.01083	.00246
#2	.00322	-.00058	-.01512	.00064	.01127	.00307
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**3502.1**	**56191.**	**6781.4**
Stddev	8.9	68.	46.0
%RSD	.25426	.12092	.67864
#1	3495.8	56143.	6748.9
#2	3508.4	56240.	6813.9

Sample Name: 280-28210-g-11-b Acquired: 5/3/2012 21:16:28 Type: Unk
Method: 6500_025(v2) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 117889 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00024**	**.05232**	**.00121**	**.01685**	**.12534**	**.00003**	**-.00613**	**35.219**	**.00025**	**.00041**
Stddev	.00033	.00049	.00115	.00003	.00008	.00001	.00027	.063	.00013	.00001
%RSD	135.88	.93110	94.982	.16538	.06236	42.509	4.3918	.17790	53.738	3.2087
#1	.00047	.05267	.00203	.01683	.12539	.00002	-.00593	35.264	.00035	.00042
#2	.00001	.05198	.00040	.01687	.12528	.00003	-.00632	35.175	.00016	.00040
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00040**	**.00252**	**.18553**	**20.059**	**.00557**	**6.9648**	**.03810**	**.00728**	**4.1515**	**.00469**
Stddev	.00007	.00023	.00086	.007	.00030	.0336	.00075	.00039	.0223	.00006
%RSD	18.547	9.2427	.46503	.03357	5.4640	.48273	1.9627	5.3177	.53701	1.2746
#1	.00035	.00235	.18492	20.054	.00536	6.9886	.03863	.00755	4.1358	.00465
#2	.00046	.00268	.18614	20.064	.00579	6.9410	.03757	.00700	4.1673	.00474
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.10800**	**.00055**	**5.8891**	**.00365**	W **-.00521**	**4.8540**	**10.387**	**-.00060**	**.08940**	**.00106**
Stddev	.00116	.00043	.0138	.00058	.00424	.0199	.043	.00119	.00032	.00069
%RSD	1.0747	78.674	.23460	15.958	81.510	.40937	.40937	198.89	.35565	65.216
#1	.10718	.00085	5.8793	.00324	-.00821	4.8399	10.357	.00024	.08962	.00155
#2	.10882	.00024	5.8989	.00406	-.00221	4.8680	10.418	-.00144	.08917	.00057
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					5.0000					
Low Limit					-.00500					

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00395**	**-.00175**	**.00401**	**.00227**	**.13383**	**.00064**
Stddev	.00017	.00051	.01496	.00002	.00059	.00067
%RSD	4.2272	28.900	373.27	.75416	.44040	104.28
#1	.00383	-.00211	.01458	.00228	.13425	.00112
#2	.00406	-.00139	-.00657	.00226	.13342	.00017
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**3563.2**	**57563.**	**6810.5**
Stddev	5.9	192.	34.4
%RSD	.16638	.33391	.50566
#1	3559.0	57427.	6834.8
#2	3567.4	57699.	6786.1

Sample Name: 280-28210-b-12-b Acquired: 5/3/2012 21:18:50 Type: Unk
Method: 6500_025(v2) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 117889 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00038	.00428	.00525	.01772	.46023	.00001	-.00503	53.694	.00151	.00198
Stddev	.00038	.00044	.00158	.00020	.00120	.00004	.00127	.131	.00005	.00024
%RSD	97.620	10.397	30.151	1.1345	.26052	264.03	25.267	.24304	3.2053	12.281
#1	.00065	.00396	.00413	.01758	.46108	.00004	-.00593	53.787	.00155	.00215
#2	.00012	.00459	.00637	.01787	.45938	-.00001	-.00413	53.602	.00148	.00181
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00074	.00122	1.0214	33.556	.00613	12.132	.39122	.00796	5.7556	.00966
Stddev	.00008	.00017	.0017	.067	.00026	.024	.00120	.00002	.0072	.00022
%RSD	10.464	14.110	.16550	.19862	4.3201	.20012	.30774	.23164	.12574	2.3263
#1	.00079	.00134	1.0202	33.603	.00595	12.115	.39037	.00797	5.7607	.00950
#2	.00068	.00110	1.0226	33.508	.00632	12.150	.39208	.00795	5.7505	.00982
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.01789	.00034	5.3178	-.00078	-.00175	11.004	23.549	-.00123	.19802	.00049
Stddev	.00160	.00048	.0077	.00043	.00308	.050	.108	.00014	.00044	.00326
%RSD	8.9218	141.23	.14485	55.787	176.04	.45792	.45792	11.325	.22119	667.65
#1	.01902	.00000	5.3124	-.00108	-.00393	11.040	23.625	-.00133	.19833	.00279
#2	.01676	.00068	5.3233	-.00047	.00043	10.968	23.472	-.00113	.19771	-.00182
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00072	-.00207	.00793	.00216	.00684	.00187
Stddev	.00028	.00105	.01669	.00024	.00002	.00022
%RSD	38.482	50.519	210.43	11.277	.25333	11.476
#1	.00092	-.00133	-.00387	.00199	.00683	.00172
#2	.00053	-.00281	.01973	.00234	.00686	.00203
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	3535.0	56864.	6852.8
Stddev	1.9	130.	27.0
%RSD	.05304	.22828	.39471
#1	3536.3	56955.	6833.7
#2	3533.7	56772.	6872.0

Sample Name: 280-28299-g-13-b Acquired: 5/3/2012 21:21:12 Type: Unk
Method: 6500_025(v2) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 117889 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00018	.00226	-.00340	.01993	.23176	.00003	-.00487	83.314	.00045	.00048
Stddev	.00041	.00006	.00014	.00008	.00139	.00001	.00284	.033	.00002	.00023
%RSD	228.82	2.4715	4.1173	.37755	.60182	48.760	58.313	.04009	3.8394	48.168
#1	-.00011	.00222	-.00350	.01988	.23077	.00004	-.00286	83.291	.00044	.00031
#2	.00047	.00230	-.00330	.01999	.23275	.00002	-.00687	83.338	.00046	.00064
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00050	.00101	.03755	2.6254	.00512	17.661	.12273	.00019	4.3962	.00404
Stddev	.00019	.00003	.00146	.0149	.00096	.054	.00052	.00008	.0266	.00019
%RSD	38.223	3.2263	3.8767	.56640	18.773	.30315	.42563	40.345	.60400	4.7336
#1	.00064	.00098	.03652	2.6149	.00580	17.699	.12310	.00013	4.3774	.00418
#2	.00037	.00103	.03858	2.6359	.00444	17.623	.12236	.00024	4.4150	.00391
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00351	-.00025	4.6868	-.00073	.00344	5.6715	12.137	.00022	.24138	-.00006
Stddev	.00177	.00000	.0105	.00049	.00164	.0175	.038	.00034	.00120	.00090
%RSD	50.357	.68267	.22381	66.817	47.545	.30907	.30907	151.78	.49700	1524.8
#1	.00226	-.00025	4.6942	-.00107	.00229	5.6839	12.163	.00046	.24053	.00058
#2	.00475	-.00025	4.6794	-.00038	.00460	5.6591	12.110	-.00002	.24222	-.00069
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00010	-.00103	.00486	-.00019	.00524	.00140
Stddev	.00009	.00172	.01587	.00010	.00025	.00066
%RSD	93.770	167.15	326.78	51.783	4.8098	47.494
#1	.00016	.00019	-.00637	-.00026	.00542	.00093
#2	.00003	-.00225	.01608	-.00012	.00507	.00187
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	3515.3	56651.	6797.8
Stddev	.4	147.	13.0
%RSD	.01165	.25981	.19080
#1	3515.0	56547.	6806.9
#2	3515.6	56755.	6788.6

Sample Name: 280-28299-g-14-b Acquired: 5/3/2012 21:23:35 Type: Unk
Method: 6500_025(v2) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 117889 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00044**	**.03816**	**.00398**	**.06651**	**.79127**	**.00005**	**-.00521**	**94.512**	**.00083**	**.00034**
Stddev	.00010	.00137	.00156	.00043	.00340	.00009	.00074	.465	.00004	.00010
%RSD	22.223	3.5770	39.106	.64790	.43019	174.63	14.131	.49213	5.1408	30.606
#1	.00037	.03913	.00288	.06620	.78886	.00012	-.00469	94.183	.00086	.00026
#2	.00051	.03720	.00508	.06681	.79368	-.00001	-.00573	94.841	.00080	.00041
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00054**	**.00111**	**38.928**	**6.7667**	**.00499**	**19.655**	**3.3217**	**.00019**	**5.0857**	**.00175**
Stddev	.00020	.00026	.154	.0569	.00008	.118	.0201	.00003	.0325	.00025
%RSD	37.006	23.144	.39436	.84076	1.5372	.60092	.60540	16.105	.63837	14.477
#1	.00040	.00129	38.820	6.7265	.00504	19.739	3.3359	.00022	5.0627	.00158
#2	.00068	.00093	39.037	6.8070	.00493	19.572	3.3074	.00017	5.1086	.00193
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.07594**	**.00157**	**.44380**	**-.00206**	**-.00277**	**7.2629**	**15.543**	**-.00147**	**.30002**	**-.00109**
Stddev	.00037	.00132	.00398	.00251	.00009	.0644	.138	.00074	.00108	.00048
%RSD	.48281	84.027	.89699	122.25	3.3889	.88605	.88605	50.362	.35899	44.027
#1	.07619	.00064	.44662	-.00028	-.00270	7.2174	15.445	-.00095	.29926	-.00075
#2	.07568	.00251	.44099	-.00383	-.00284	7.3084	15.640	-.00200	.30078	-.00142
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00104**	**-.00212**	**-.02256**	**.00037**	**.07489**	**.00093**
Stddev	.00022	.00159	.00747	.00014	.00009	.00053
%RSD	20.661	75.001	33.109	37.582	.11909	56.734
#1	.00089	-.00100	-.01728	.00027	.07482	.00130
#2	.00120	-.00325	-.02784	.00046	.07495	.00056
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**3488.3**	**56385.**	**6843.5**
Stddev	.9	76.	37.9
%RSD	.02639	.13520	.55435
#1	3487.7	56331.	6870.3
#2	3489.0	56439.	6816.6

Sample Name: 280-28299-g-15-b Acquired: 5/3/2012 21:25:57 Type: Unk
Method: 6500_025(v2) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 117889 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00035**	**.19181**	**-.00078**	**.01972**	**.37503**	**.00009**	**-.00347**	**151.06**	**.00067**	**.00043**
Stddev	.00016	.00110	.00339	.00015	.00306	.00013	.00203	1.12	.00001	.00039
%RSD	44.223	.57542	433.50	.74220	.81644	151.97	58.645	.74078	1.7335	89.329
#1	.00046	.19259	-.00318	.01982	.37720	.00018	-.00491	151.86	.00066	.00071
#2	.00024	.19103	.00161	.01962	.37287	-.00001	-.00203	150.27	.00068	.00016
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00085**	**.00190**	**.29652**	**4.5505**	**.00475**	**32.688**	**.17103**	**.00010**	**5.2742**	**.00532**
Stddev	.00000	.00012	.00427	.0178	.00019	.141	.00091	.00005	.0367	.00031
%RSD	.33505	6.4707	1.4393	.39075	3.9065	.43074	.53232	46.954	.69502	5.8416
#1	.00085	.00199	.29954	4.5631	.00462	32.588	.17039	.00007	5.3002	.00554
#2	.00086	.00181	.29350	4.5380	.00488	32.787	.17168	.00014	5.2483	.00510
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01357**	**.00048**	**7.5504**	**-.00194**	**.00176**	**6.9249**	**14.819**	**-.00068**	**.50982**	**.00111**
Stddev	.00102	.00066	.0352	.00170	.00234	.0395	.085	.00035	.00461	.00003
%RSD	7.4989	136.96	.46620	87.563	133.22	.57052	.57052	51.974	.90449	2.8955
#1	.01285	.00002	7.5752	-.00314	.00010	6.9528	14.879	-.00093	.51308	.00114
#2	.01429	.00095	7.5255	-.00074	.00341	6.8969	14.759	-.00043	.50656	.00109
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00428**	**-.00215**	**-.00632**	**.00058**	**.01553**	**.00138**
Stddev	.00110	.00104	.03833	.00031	.00054	.00291
%RSD	25.764	48.520	606.36	52.853	3.4917	211.24
#1	.00350	-.00141	.02078	.00080	.01515	.00344
#2	.00506	-.00289	-.03342	.00036	.01592	-.00068
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**3437.9**	**55697.**	**6716.7**
Stddev	1.4	115.	58.9
%RSD	.04026	.20725	.87618
#1	3437.0	55778.	6675.1
#2	3438.9	55615.	6758.3

Sample Name: 280-28299-g-32-b Acquired: 5/3/2012 21:28:19 Type: Unk
Method: 6500_025(v2) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 117889 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00036**	**.00297**	**-.00392**	**.00586**	**.00046**	**.00004**	**-.00282**	**.08085**	**.00020**	**-.00004**
Stddev	.00008	.00043	.00139	.00041	.00005	.00001	.00181	.01273	.00007	.00000
%RSD	21.306	14.587	35.312	6.9439	11.818	21.988	64.342	15.740	36.384	2.1801
#1	.00042	.00327	-.00294	.00615	.00050	.00004	-.00154	.08985	.00025	-.00004
#2	.00031	.00266	-.00491	.00557	.00042	.00003	-.00410	.07186	.00015	-.00004
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00017**	**.00058**	**.01326**	**.07522**	**.00168**	**.00900**	**.00090**	**.00019**	**.06302**	**.00058**
Stddev	.00005	.00004	.00037	.00827	.00035	.00166	.00001	.00021	.00154	.00018
%RSD	28.328	7.6204	2.7753	10.991	20.622	18.469	.78558	108.27	2.4385	31.954
#1	.00013	.00061	.01300	.06938	.00144	.01017	.00090	.00033	.06194	.00071
#2	.00020	.00054	.01352	.08107	.00193	.00782	.00091	.00004	.06411	.00045
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00219**	**.00015**	**.01337**	**-.00191**	**-.00183**	**.05770**	**.12347**	**-.00080**	**.00025**	**.00079**
Stddev	.00064	.00055	.00384	.00048	.00087	.00113	.00243	.00019	.00003	.00059
%RSD	29.309	379.75	28.682	25.090	47.753	1.9660	1.9660	24.109	9.8657	74.849
#1	.00265	.00054	.01609	-.00225	-.00121	.05850	.12518	-.00094	.00027	.00037
#2	.00174	-.00025	.01066	-.00157	-.00244	.05689	.12175	-.00067	.00024	.00120
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00001**	**-.00228**	**-.00372**	**-.00025**	**.00678**	**.00082**
Stddev	.00007	.00111	.01550	.00015	.00004	.00064
%RSD	477.28	48.517	416.28	58.263	.59576	77.648
#1	.00003	-.00150	-.01469	-.00036	.00675	.00037
#2	-.00006	-.00307	.00724	-.00015	.00681	.00127
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**3639.0**	**58757.**	**6737.0**
Stddev	10.3	157.	56.6
%RSD	.28174	.26786	.84080
#1	3646.3	58868.	6697.0
#2	3631.8	58646.	6777.1

Sample Name: CCVH-1390999 Acquired: 5/3/2012 21:30:45 Type: QC
Method: 6500_025(v2) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2714
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00074**	**45.960**	**-.00044**	**.00207**	**.00060**	**.00001**	**.99063**	**.01584**	**.00014**	**.00036**	**.00025**	**-.00338**	**46.218**
Stddev	.00025	.595	.00269	.00010	.00025	.00002	.00121	.00105	.00002	.00008	.00013	.00036	.513
%RSD	34.478	1.2939	610.75	5.0013	42.031	175.52	.12252	6.6174	16.491	23.403	51.780	10.597	1.1100
#1	-.00056	46.381	-.00234	.00215	.00078	.00000	.99149	.01658	.00016	.00030	.00034	-.00313	46.580
#2	-.00092	45.540	.00146	.00200	.00042	.00002	.98977	.01510	.00013	.00042	.00016	-.00364	45.855
Check ?	None	Chk Pass	None	None	None	None	Chk Pass	None	None	None	None	None	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.05782**	**.00180**	**-.02983**	**.00018**	**-.00084**	**235.95**	**.00132**	**.00289**	**-.00144**	**4.8696**	**-.00134**	**.00138**	**.03908**
Stddev	.00129	.00140	.00088	.00002	.00026	2.72	.00006	.00004	.00069	.0006	.00215	.00058	.01590
%RSD	2.2325	78.070	2.9589	10.472	30.892	1.1534	4.6543	1.5162	47.946	.01330	160.39	41.791	40.693
#1	.05873	.00279	-.03045	.00016	-.00102	237.88	.00127	.00286	-.00095	4.8700	.00018	.00179	.05033
#2	.05691	.00081	-.02920	.00019	-.00066	234.03	.00136	.00292	-.00193	4.8691	-.00287	.00097	.02784
Check ?	None	None	None	None	None	Chk Pass	None	None	None	Chk Pass	None	None	None
Value													
Range													

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.08364**	**.00010**	**.00037**	**4.9484**	**.00740**	**-.00208**	**10.481**	**-.00387**	**.00137**	**-.04178**
Stddev	.03404	.00000	.00002	.0122	.00016	.00057	.065	.00053	.00109	.00356
%RSD	40.693	2.3523	4.2028	.24646	2.1864	27.355	.61929	13.596	79.379	8.5236
#1	.10771	.00010	.00036	4.9398	.00729	-.00168	10.527	-.00350	.00060	-.03926
#2	.05957	.00010	.00038	4.9570	.00752	-.00248	10.435	-.00424	.00214	-.04429
Check ?	None	None	None	Chk Pass	None	None	Chk Pass	None	None	None
Value										
Range										

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**3474.8**	**55212.**	**6641.5**
Stddev	3.0	179.	45.4
%RSD	.08712	.32455	.68296
#1	3476.9	55085.	6609.4
#2	3472.6	55339.	6673.5

Sample Name: CCV-1390955 Acquired: 5/3/2012 21:33:04 Type: QC
Method: 6500_025(v2) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.50199**	**.47906**	**.98688**	**.47999**	**.48297**	**.45107**	**-.00130**	F **4.4553**	**.48886**	**.48945**	**.49161**	**.52270**	**2.4020**
Stddev	.00098	.00105	.00891	.00063	.00309	.00357	.00252	.0408	.00004	.00247	.00075	.00094	.0199
%RSD	.19560	.22002	.90324	.13209	.63908	.79126	194.54	.91494	.00800	.50381	.15171	.18028	.82981
#1	.50130	.47981	.99319	.47954	.48079	.44855	.00049	4.4264	.48889	.49120	.49214	.52203	2.3879
#2	.50269	.47832	.98058	.48044	.48515	.45359	-.00308	4.4841	.48883	.48771	.49108	.52336	2.4161
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value								5.0000					
Range								-10.490%					

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**47.346**	**.92081**	**18.975**	**.49798**	**.49307**	**4.5860**	**.48365**	**.93221**	**.99798**	**.00943**	**.96692**	**.99311**	F **4.4277**
Stddev	.320	.00364	.077	.00071	.00086	.0436	.00211	.00628	.00133	.00664	.00221	.00187	.0539
%RSD	.67603	.39525	.40455	.14213	.17511	.95091	.43662	.67344	.13330	70.413	.22870	.18855	1.2186
#1	47.119	.91823	19.029	.49848	.49368	4.5552	.48515	.93665	.99704	.01413	.96849	.99179	4.3896
#2	47.572	.92338	18.920	.49748	.49246	4.6169	.48216	.92777	.99892	.00474	.96536	.99443	4.4659
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Fail
Value													5.0000
Range													-10.490%

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **9.4754**	**.97678**	**.47993**	**.00165**	**.47931**	**.99775**	**-.00260**	**.48325**	**.45145**	**.48629**
Stddev	.1155	.00254	.00260	.00030	.00115	.00222	.01560	.00006	.00205	.00341
%RSD	1.2186	.26004	.54072	18.116	.23921	.22276	599.59	.01338	.45508	.70208
#1	9.3937	.97858	.47810	.00144	.48012	.99618	.00843	.48329	.45290	.48387
#2	9.5570	.97498	.48177	.00186	.47850	.99932	-.01363	.48320	.45000	.48870
Check ?	Chk Fail	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value	10.700									
Range	-10.490%									

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**3581.1**	**57451.**	**6753.7**
Stddev	2.2	193.	78.7
%RSD	.06063	.33575	1.1646
#1	3579.5	57314.	6809.3
#2	3582.6	57587.	6698.1

Sample Name: CCB Acquired: 5/3/2012 21:35:15 Type: QC
Method: 6500_025(v2) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00058**	**.00105**	**-.00306**	**.00039**	**.00045**	**.00023**	**-.00368**	**-.00113**	**.00008**	**.00004**	**-.00003**	**-.00016**	**.00564**
Stddev	.00034	.00040	.00164	.00007	.00007	.00008	.00109	.00263	.00001	.00001	.00016	.00010	.00072
%RSD	59.213	38.610	53.670	17.298	15.962	34.201	29.733	232.83	6.6262	35.639	591.83	65.730	12.740
#1	.00034	.00133	-.00190	.00044	.00040	.00029	-.00445	.00073	.00008	.00003	-.00014	-.00008	.00615
#2	.00082	.00076	-.00422	.00035	.00051	.00018	-.00290	-.00299	.00008	.00005	.00009	-.00023	.00513
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit													
Low Limit													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.06471**	**.00007**	**.00410**	**.00008**	**.00108**	**.07252**	**-.00016**	**.00110**	**-.00124**	**-.00088**	**-.00004**	**-.00131**	**.02102**
Stddev	.00551	.00149	.00102	.00002	.00028	.00295	.00027	.00186	.00142	.00068	.00034	.00296	.00075
%RSD	8.5177	2031.7	24.768	23.399	25.951	4.0641	177.08	169.66	114.02	77.327	870.30	226.65	3.5868
#1	.06861	-.00098	.00338	.00007	.00088	.07461	.00004	-.00022	-.00024	-.00137	.00020	.00079	.02155
#2	.06082	.00112	.00482	.00010	.00128	.07044	-.00035	.00241	-.00224	-.00040	-.00028	-.00340	.02049
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit													
Low Limit													

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.04498**	**-.00014**	**.00015**	**.00026**	**.00027**	**-.00105**	**.00833**	**-.00054**	**.00287**	**.00135**
Stddev	.00161	.00023	.00004	.00002	.00021	.00024	.02969	.00036	.00010	.00293
%RSD	3.5868	165.15	28.672	6.9104	78.607	22.813	356.50	66.896	3.3155	217.62
#1	.04613	-.00030	.00012	.00027	.00012	-.00088	-.01267	-.00079	.00280	.00342
#2	.04384	.00002	.00018	.00024	.00042	-.00122	.02933	-.00028	.00293	-.00072
Check ?	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**3643.5**	**58178.**	**6711.3**
Stddev	3.8	401.	9.8
%RSD	.10433	.68950	.14628
#1	3646.2	57894.	6704.4
#2	3640.8	58462.	6718.3

Sample Name: CCVL1397430 Acquired: 5/3/2012 21:37:40 Type: QC
Method: 6500_025(v2) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01059**	**.10040**	**.01105**	**.09533**	**.00998**	**.00102**	**.10686**	**.18055**	**.00487**	**.01032**	**.01024**	**.01558**	**.09890**
Stddev	.00013	.00143	.00271	.00063	.00017	.00003	.00042	.00231	.00017	.00007	.00020	.00018	.00019
%RSD	1.2169	1.4270	24.482	.66235	1.6664	3.4146	.39330	1.2789	3.3890	.71523	1.9713	1.1837	.18902
#1	.01050	.09939	.00914	.09489	.01010	.00100	.10657	.17892	.00475	.01037	.01038	.01545	.09876
#2	.01068	.10141	.01297	.09578	.00986	.00105	.10716	.18219	.00499	.01027	.01009	.01571	.09903
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**2.9999**	**.00958**	**.19680**	**.01043**	**.01997**	**1.0006**	**.04021**	**2.7393**	**.00928**	**.00352**	**.00897**	**.01096**	**.46191**
Stddev	.0003	.00001	.00096	.00001	.00041	.0004	.00013	.0238	.00061	.00320	.00174	.00116	.00732
%RSD	.00901	.09160	.48888	.04959	2.0553	.03978	.31903	.86780	6.5586	90.836	19.446	10.589	1.5845
#1	2.9997	.00958	.19612	.01043	.01968	1.0003	.04012	2.7225	.00885	.00578	.00773	.01014	.45673
#2	3.0001	.00959	.19748	.01043	.02026	1.0008	.04030	2.7561	.00971	.00126	.01020	.01178	.46708
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.98848**	**.10057**	**.00987**	**.01583**	**.01006**	**.01360**	F **.08608**	**.00904**	**.02175**	**.01455**
Stddev	.01566	.00154	.00003	.00036	.00032	.00148	.02178	.00017	.00016	.00165
%RSD	1.5845	1.5295	.31039	2.2954	3.1420	10.859	25.298	1.8449	.71327	11.363
#1	.97741	.10166	.00989	.01609	.01029	.01465	.07068	.00892	.02186	.01339
#2	.99956	.09949	.00985	.01557	.00984	.01256	.10148	.00916	.02164	.01572
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
Value							.06000			
Range							30.000%			

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**3603.6**	**57973.**	**6694.1**
Stddev	.3	95.	18.7
%RSD	.00889	.16351	.27952
#1	3603.4	58040.	6680.8
#2	3603.8	57906.	6707.3

Sample Name: mb 280-117183/1-a Acquired: 5/3/2012 21:40:02 Type: Unk
Method: 6500_025(v2) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 117183 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00062**	**.00123**	**-.00181**	**-.00002**	**.00024**	**.00003**	**-.00390**	**.00424**	**.00010**	**-.00012**
Stddev	.00012	.00056	.00074	.00008	.00014	.00003	.00236	.00151	.00001	.00004
%RSD	19.549	45.585	40.941	352.39	56.208	89.038	60.551	35.510	5.5569	36.314
#1	.00054	.00163	-.00233	-.00008	.00034	.00001	-.00223	.00318	.00010	-.00015
#2	.00071	.00084	-.00128	.00004	.00015	.00006	-.00557	.00531	.00011	-.00009
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00002**	**-.00056**	**.00360**	**.03712**	**.00102**	**.00003**	**.00010**	**-.00032**	**.03735**	**-.00047**
Stddev	.00011	.00003	.00037	.01372	.00055	.00158	.00002	.00032	.00483	.00040
%RSD	639.65	6.0157	10.277	36.976	53.549	5085.7	20.884	98.615	12.919	86.204
#1	-.00006	-.00059	.00387	.02741	.00140	.00115	.00009	-.00054	.03394	-.00018
#2	.00009	-.00054	.00334	.04682	.00063	-.00108	.00012	-.00010	.04076	-.00075
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **.00578**	**.00012**	**.00071**	**-.00239**	**-.00065**	F **.02361**	**.05054**	**-.00067**	**.00002**	**.00265**
Stddev	.00259	.00027	.00142	.00026	.00051	.00220	.00471	.00072	.00003	.00059
%RSD	44.758	230.11	200.57	10.706	78.651	9.3108	9.3108	106.94	203.65	22.139
#1	.00395	.00031	-.00030	-.00221	-.00029	.02517	.05386	-.00118	-.00001	.00224
#2	.00760	-.00007	.00172	-.00257	-.00100	.02206	.04721	-.00016	.00004	.00307
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	None	Chk Pass	Chk Pass	Chk Pass
High Limit	.00500					.01000				
Low Limit	-.00500					-.01000				

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00004**	**-.00314**	**-.01824**	**-.00028**	**.00314**	**.00024**
Stddev	.00009	.00026	.01026	.00009	.00020	.00036
%RSD	200.55	8.3850	56.254	34.152	6.4691	149.39
#1	.00002	-.00296	-.01098	-.00021	.00328	.00049
#2	-.00011	-.00333	-.02550	-.00034	.00300	-.00001
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**3609.8**	**58758.**	**6810.3**
Stddev	5.9	37.	70.0
%RSD	.16389	.06249	1.0285
#1	3605.6	58732.	6760.8
#2	3614.0	58784.	6859.8

Sample Name: lcs 280-117183/2-a Acquired: 5/3/2012 21:42:29 Type: Unk
Method: 6500_025(v2) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 117183 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.05171**	**1.7879**	**.98733**	**.96859**	**1.9377**	**.04588**	**2.1007**	F **44.284**	**.09829**	**.48075**
Stddev	.00056	.0111	.00032	.00243	.0154	.00025	.0015	.221	.00032	.00120
%RSD	1.0831	.62260	.03230	.25114	.79371	.54667	.07379	.49879	.32595	.24882
#1	.05131	1.7958	.98711	.97031	1.9268	.04570	2.0996	44.127	.09852	.48160
#2	.05210	1.7801	.98756	.96687	1.9485	.04605	2.1018	44.440	.09807	.47991
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Fail	Chk Pass	Chk Pass
High Limit								55.000		
Low Limit								44.500		

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.19652**	**.26337**	**.99349**	**47.938**	**.93892**	**47.466**	**.50336**	**1.0026**	**49.936**	**.47891**
Stddev	.00090	.00083	.01165	.273	.00296	.347	.00279	.0044	.161	.00124
%RSD	.45996	.31614	1.1726	.56911	.31575	.73120	.55358	.44275	.32235	.25940
#1	.19716	.26278	.98525	47.745	.93683	47.221	.50139	1.0057	49.822	.47979
#2	.19588	.26396	1.0017	48.131	.94102	47.711	.50533	.99947	50.050	.47803
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**9.6163**	**.48033**	**.01192**	**.48730**	**2.0061**	F **8.9515**	F **19.156**	**1.9406**	**.97716**	**1.0140**
Stddev	.0120	.00102	.00240	.00178	.0090	.0407	.087	.0080	.00747	.0024
%RSD	.12483	.21238	20.122	.36451	.44844	.45477	.45477	.41431	.76429	.23975
#1	9.6248	.48105	.01362	.48855	2.0125	8.9227	19.095	1.9463	.97188	1.0123
#2	9.6078	.47961	.01023	.48604	1.9997	8.9803	19.218	1.9349	.98244	1.0157
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Fail	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit						11.500	24.610			
Low Limit						9.4000	20.100			

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.98284**	**1.9693**	**2.2211**	**.49411**	**.45388**	**.47866**
Stddev	.00335	.0001	.0070	.00330	.00704	.00319
%RSD	.34117	.00588	.31525	.66787	1.5511	.66710
#1	.98047	1.9692	2.2162	.49178	.44891	.47640
#2	.98521	1.9694	2.2261	.49645	.45886	.48092
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**3427.2**	**55043.**	**6658.4**
Stddev	4.2	83.	6.9
%RSD	.12342	.15097	.10396
#1	3424.2	55102.	6663.3
#2	3430.1	54984.	6653.5

Sample Name: lcsd 280-117183/3-a Acquired: 5/3/2012 21:44:39 Type: Unk
Method: 6500_025(v2) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 117183 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.05197**	**1.8162**	**1.0053**	**.98591**	**1.9671**	**.04688**	F **2.1370**	**45.019**	**.09991**	**.48830**
Stddev	.00017	.0065	.0024	.00467	.0082	.00026	.0106	.141	.00016	.00000
%RSD	.32730	.35538	.24111	.47396	.41568	.54575	.49645	.31385	.16425	.00052
#1	.05209	1.8116	1.0036	.98260	1.9613	.04670	2.1295	44.919	.09979	.48831
#2	.05185	1.8207	1.0070	.98921	1.9729	.04706	2.1445	45.119	.10002	.48830
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit							.10000			
Low Limit							-.10000			

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.19956**	**.26766**	**.97148**	**48.638**	**.95811**	**47.787**	**.50772**	**1.0184**	**50.972**	**.48567**
Stddev	.00081	.00111	.00092	.149	.00537	.164	.00132	.0026	.090	.00005
%RSD	.40587	.41604	.09455	.30620	.56084	.34258	.26081	.25145	.17678	.01110
#1	.20013	.26844	.97213	48.533	.95431	47.902	.50866	1.0166	50.909	.48571
#2	.19899	.26687	.97083	48.743	.96191	47.671	.50679	1.0202	51.036	.48563
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **9.7899**	**.48557**	**.01621**	**.49539**	**2.0362**	**9.1076**	**19.490**	**1.9692**	**.99366**	**1.0238**
Stddev	.0095	.00239	.00023	.00155	.0083	.0701	.150	.0032	.00362	.0040
%RSD	.09756	.49156	1.4154	.31315	.41000	.76920	.76920	.16058	.36477	.39373
#1	9.7832	.48389	.01604	.49429	2.0303	9.0580	19.384	1.9669	.99110	1.0266
#2	9.7967	.48726	.01637	.49649	2.0421	9.1571	19.596	1.9714	.99623	1.0209
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	2.0000									
Low Limit	-1.0000									

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.98940**	**2.0065**	**2.2072**	**.49855**	**.45252**	**.48545**
Stddev	.00380	.0072	.0006	.00117	.00031	.00213
%RSD	.38402	.35898	.02748	.23555	.06817	.43903
#1	.99209	2.0014	2.2068	.49938	.45231	.48394
#2	.98672	2.0116	2.2076	.49772	.45274	.48695
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**3414.8**	**55110.**	**6676.7**
Stddev	1.5	307.	3.6
%RSD	.04341	.55671	.05368
#1	3413.7	54893.	6674.2
#2	3415.8	55326.	6679.3

Sample Name: 280-28131-s-1-b Acquired: 5/3/2012 21:46:50 Type: Unk
Method: 6500_025(v2) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 117183 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00035**	**.10381**	**-.00483**	**.11497**	**.02131**	**.00006**	**-.00427**	**8.6690**	**.00013**	**-.00019**
Stddev	.00040	.00075	.00323	.00092	.00098	.00001	.00083	.0302	.00007	.00015
%RSD	115.11	.72420	66.960	.79630	4.5772	14.825	19.414	.34823	51.066	81.328
#1	.00007	.10328	-.00254	.11561	.02062	.00005	-.00368	8.6476	.00018	-.00030
#2	.00064	.10434	-.00711	.11432	.02200	.00006	-.00485	8.6903	.00008	-.00008
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00016**	**.00113**	**.05536**	**12.548**	**.03749**	**.16821**	**.00056**	**.00952**	**269.97**	**.00035**
Stddev	.00022	.00022	.00139	.026	.00026	.00054	.00007	.00074	.36	.00008
%RSD	138.94	19.368	2.5193	.20781	.70531	.31955	12.743	7.7985	.13183	23.928
#1	.00031	.00128	.05437	12.529	.03730	.16783	.00061	.00899	270.22	.00029
#2	.00000	.00097	.05635	12.566	.03767	.16859	.00051	.01004	269.72	.00041
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00440**	**-.00007**	**134.10**	**-.00190**	**.00047**	**6.2250**	**13.322**	**.00017**	**.27839**	**.00115**
Stddev	.00049	.00114	.22	.00204	.00148	.0334	.071	.00050	.00016	.00073
%RSD	11.161	1704.1	.16261	107.53	316.07	.53661	.53661	291.36	.05777	63.142
#1	.00474	-.00088	133.94	-.00334	-.00058	6.2014	13.271	-.00018	.27828	.00064
#2	.00405	.00074	134.25	-.00045	.00151	6.2486	13.372	.00053	.27851	.00167
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00059**	**-.00257**	**-.00105**	**.00001**	**.02301**	**.00183**
Stddev	.00005	.00028	.01331	.00038	.00035	.00110
%RSD	8.8687	10.826	1269.6	3769.7	1.5233	60.014
#1	.00063	-.00238	.00836	-.00026	.02277	.00261
#2	.00056	-.00277	-.01046	.00028	.02326	.00105
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**3375.3**	**53853.**	**6575.0**
Stddev	.5	91.	25.5
%RSD	.01536	.16905	.38792
#1	3375.0	53789.	6557.0
#2	3375.7	53918.	6593.0

Sample Name: 280-28131-s-3-b Acquired: 5/3/2012 21:49:19 Type: Unk
Method: 6500_025(v2) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 117183 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00053**	**.16992**	**-.00237**	**.12733**	**.02109**	**-.00002**	**-.00478**	**9.0073**	**.00016**	**-.00007**
Stddev	.00042	.00045	.00020	.00135	.00031	.00010	.00166	.0345	.00002	.00014
%RSD	78.400	.26389	8.6361	1.0631	1.4893	539.58	34.720	.38337	15.410	201.88
#1	.00024	.16961	-.00252	.12638	.02087	-.00009	-.00595	8.9829	.00014	-.00017
#2	.00082	.17024	-.00223	.12829	.02131	.00005	-.00361	9.0317	.00017	.00003
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00024**	**.00095**	**.00697**	**15.452**	**.04285**	**.14070**	**.00024**	**.01015**	**274.88**	**.00073**
Stddev	.00015	.00009	.00021	.004	.00037	.00036	.00002	.00029	.55	.00036
%RSD	62.261	9.5320	2.9685	.02733	.86768	.25750	9.2717	2.8349	.19947	49.040
#1	.00035	.00088	.00711	15.455	.04259	.14096	.00023	.01036	274.49	.00047
#2	.00014	.00101	.00682	15.449	.04312	.14045	.00026	.00995	275.27	.00098
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00467**	**-.00021**	**128.05**	**-.00259**	**-.00415**	**8.3593**	**17.889**	**.00051**	**.30404**	**.00115**
Stddev	.00037	.00017	.04	.00043	.00112	.0262	.056	.00044	.00022	.00095
%RSD	7.8754	83.325	.03033	16.599	27.011	.31378	.31378	86.621	.07316	82.481
#1	.00441	-.00009	128.02	-.00290	-.00494	8.3407	17.849	.00020	.30388	.00048
#2	.00493	-.00033	128.07	-.00229	-.00336	8.3778	17.929	.00082	.30419	.00182
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00019**	**-.00291**	**-.00404**	**-.00006**	**.00336**	**.00033**
Stddev	.00006	.00072	.01126	.00007	.00061	.00018
%RSD	33.458	24.668	279.10	131.27	18.043	52.704
#1	.00014	-.00342	.00393	.00000	.00293	.00021
#2	.00023	-.00240	-.01200	-.00011	.00379	.00046
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**3357.3**	**53306.**	**6548.8**
Stddev	5.6	86.	21.9
%RSD	.16718	.16142	.33416
#1	3361.3	53245.	6564.3
#2	3353.3	53367.	6533.3

Sample Name: CCVH-1390999 Acquired: 5/3/2012 21:51:48 Type: QC
Method: 6500_025(v2) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00078**	**46.921**	**-.00137**	**.00270**	**.00049**	**.00012**	**1.0098**	**.00835**	**.00015**	**.00052**	**.00047**	**-.00315**
Stddev	.00051	.126	.00192	.00010	.00019	.00000	.0064	.00277	.00012	.00002	.00004	.00024
%RSD	64.901	.26816	140.57	3.5815	38.215	2.0490	.63103	33.174	78.835	3.7291	8.6807	7.4968
#1	-.00042	47.010	-.00001	.00263	.00062	.00012	1.0143	.01031	.00024	.00053	.00044	-.00332
#2	-.00114	46.832	-.00272	.00277	.00035	.00013	1.0053	.00639	.00007	.00051	.00049	-.00299
Check ?	None	Chk Pass	None	None	None	None	Chk Pass	None	None	None	None	None
Value												
Range												

Elem	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316	P_1782	Pb2203	S_1820	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**47.231**	**.14096**	**.00217**	**-.03173**	**.00012**	**-.00077**	**240.87**	**.00131**	**.00596**	**-.00050**	**5.0080**	**-.00047**
Stddev	.153	.01265	.00057	.00181	.00011	.00053	.39	.00001	.00572	.00040	.0471	.00218
%RSD	.32316	8.9729	26.353	5.7132	89.274	68.515	.16396	.50379	96.087	79.959	.94034	463.06
#1	47.339	.13201	.00258	-.03301	.00020	-.00115	240.60	.00130	.00191	-.00022	4.9747	.00107
#2	47.123	.14990	.00177	-.03045	.00004	-.00040	241.15	.00131	.01000	-.00079	5.0413	-.00201
Check ?	Chk Pass	None	None	None	None	None	Chk Pass	None	None	None	Chk Pass	None
Value												
Range												

Elem	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00093**	**.04600**	**.09845**	**.00161**	**.00045**	**5.0377**	**.00713**	**-.00105**	W **10.655**	**-.00378**	**.00233**	**-.04075**
Stddev	.00451	.01251	.02676	.00169	.00003	.0032	.00003	.00122	.036	.00005	.00078	.00004
%RSD	487.46	27.183	27.183	105.39	5.6799	.06303	.37873	116.05	.33928	1.3173	33.305	.10330
#1	-.00412	.05485	.11737	.00041	.00047	5.0354	.00715	-.00191	10.629	-.00381	.00288	-.04072
#2	.00227	.03716	.07953	.00280	.00043	5.0399	.00711	-.00019	10.681	-.00374	.00178	-.04078
Check ?	None	None	None	None	None	Chk Pass	None	None	Chk Warn	None	None	None
Value									10.000			
Range									5.0000%			

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**3430.9**	**54222.**	**6528.2**
Stddev	5.9	46.	4.5
%RSD	.17158	.08500	.06913
#1	3426.7	54190.	6525.0
#2	3435.0	54255.	6531.3

Sample Name: CCV-1390955 Acquired: 5/3/2012 21:54:11 Type: QC
Method: 6500_025(v2) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.51157**	**.48653**	**.99697**	**.49162**	**.49217**	**.46377**	**-.00507**	**4.5573**	**.49808**	**.49643**	**.49847**	**.53429**	**2.4232**
Stddev	.00217	.00344	.00028	.00039	.00214	.00243	.00002	.0159	.00067	.00033	.00039	.00076	.0054
%RSD	.42334	.70709	.02818	.07953	.43458	.52452	.29809	.34901	.13406	.06734	.07823	.14161	.22173
#1	.51310	.48897	.99678	.49134	.49369	.46549	-.00508	4.5686	.49856	.49667	.49874	.53483	2.4270
#2	.51004	.48410	.99717	.49190	.49066	.46205	-.00506	4.5461	.49761	.49620	.49819	.53376	2.4194
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**48.165**	**.94570**	**19.288**	**.50537**	**.50103**	**4.7672**	**.49177**	**.95379**	**1.0083**	**.01424**	**.99215**	**1.0090**	**4.5220**
Stddev	.175	.00756	.046	.00144	.00153	.0334	.00109	.00027	.0004	.00256	.00387	.0012	.0069
%RSD	.36381	.79968	.23622	.28477	.30537	.69974	.22104	.02863	.03685	18.008	.39051	.11418	.15365
#1	48.288	.95104	19.320	.50639	.50211	4.7908	.49254	.95360	1.0085	.01605	.99489	1.0082	4.5269
#2	48.041	.94035	19.255	.50435	.49995	4.7436	.49100	.95398	1.0080	.01243	.98941	1.0098	4.5171
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**9.6770**	**.98713**	**.48939**	**.00124**	**.48871**	**1.0157**	**.00469**	**.49182**	**.45745**	**.49227**
Stddev	.0149	.00030	.00276	.00021	.00086	.0000	.00257	.00106	.00022	.00117
%RSD	.15365	.03080	.56375	16.876	.17608	.00361	54.835	.21547	.04899	.23788
#1	9.6875	.98734	.49134	.00138	.48932	1.0157	.00650	.49257	.45729	.49310
#2	9.6665	.98691	.48744	.00109	.48810	1.0158	.00287	.49107	.45760	.49144
Check ?	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value										
Range										

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**3533.8**	**56907.**	**6704.2**
Stddev	.7	94.	49.0
%RSD	.02104	.16595	.73037
#1	3534.3	56974.	6738.9
#2	3533.2	56840.	6669.6

Sample Name: CCB Acquired: 5/3/2012 21:56:23 Type: QC
Method: 6500_025(v2) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00012**	**.00072**	**.00022**	**.00096**	**.00028**	**.00021**	**-.00451**	**-.00330**	**.00021**	**.00015**	**.00014**	**-.00025**
Stddev	.00063	.00028	.00228	.00076	.00002	.00004	.00185	.00022	.00003	.00018	.00001	.00009
%RSD	505.97	38.428	1057.5	79.283	6.2685	21.004	41.078	6.6918	12.172	124.11	8.9699	35.981
#1	.00057	.00052	.00182	.00149	.00027	.00018	-.00581	-.00314	.00023	.00028	.00013	-.00031
#2	-.00032	.00091	-.00139	.00042	.00030	.00024	-.00320	-.00345	.00019	.00002	.00015	-.00019
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit												
Low Limit												

Elem	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00595**	**.09884**	**.00221**	**.00478**	**.00017**	**.00097**	W **.09360**	**.00008**	**.00215**	**-.00038**	**.00562**	**.00146**
Stddev	.00154	.02662	.00025	.00139	.00001	.00042	.00547	.00031	.00004	.00012	.00352	.00114
%RSD	25.943	26.933	11.272	29.067	6.1835	43.416	5.8431	382.03	1.8653	29.966	62.635	77.806
#1	.00486	.08002	.00204	.00577	.00017	.00067	.09746	.00030	.00213	-.00030	.00811	.00227
#2	.00704	.11766	.00239	.00380	.00018	.00127	.08973	-.00014	.00218	-.00047	.00313	.00066
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							.09160					
Low Limit							-.09160					

Elem	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00352**	**.02252**	**.04819**	**-.00038**	**.00018**	**.00106**	**.00032**	**-.00216**	**.00159**	**.00004**	**.00272**	**.00121**
Stddev	.00573	.00710	.01519	.00048	.00004	.00171	.00012	.00046	.01349	.00011	.00023	.00132
%RSD	163.04	31.515	31.515	125.56	22.536	160.49	38.254	21.386	847.54	257.10	8.5392	109.45
#1	-.00757	.01750	.03745	-.00004	.00015	.00227	.00041	-.00248	-.00794	-.00003	.00289	.00214
#2	.00054	.02754	.05893	-.00072	.00021	-.00014	.00023	-.00183	.01113	.00012	.00256	.00027
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit												
Low Limit												

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**3578.2**	**57733.**	**6632.8**
Stddev	1.2	90.	22.7
%RSD	.03245	.15650	.34231
#1	3577.4	57669.	6648.9
#2	3579.0	57796.	6616.8

Sample Name: CCVL1397430 Acquired: 5/3/2012 21:58:48 Type: QC
Method: 6500_025(v2) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01074**	**.09964**	**.01301**	**.09687**	**.01031**	**.00096**	**.10814**	**.18231**	**.00513**	**.01015**	**.01002**	**.01590**	**.09812**
Stddev	.00007	.00055	.00073	.00080	.00002	.00004	.00044	.00016	.00007	.00017	.00023	.00007	.00148
%RSD	.67225	.54775	5.5874	.82097	.20701	3.7404	.40893	.08646	1.2843	1.6627	2.2483	.41136	1.5112
#1	.01069	.10002	.01250	.09743	.01030	.00099	.10783	.18242	.00517	.01003	.01018	.01586	.09917
#2	.01079	.09925	.01353	.09631	.01033	.00093	.10845	.18220	.00508	.01027	.00986	.01595	.09708
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**3.0342**	**.01144**	**.19575**	**.01048**	**.02009**	**1.0251**	**.03991**	**2.7648**	**.00791**	**.00781**	**.00847**	**.01313**	**.48318**
Stddev	.0275	.00005	.00003	.00006	.00023	.0261	.00022	.0140	.00031	.00007	.00041	.00171	.00952
%RSD	.90596	.40633	.01749	.56572	1.1544	2.5491	.54619	.50717	3.8817	.84111	4.7852	13.042	1.9697
#1	3.0148	.01140	.19573	.01052	.02026	1.0435	.03976	2.7747	.00769	.00776	.00875	.01192	.47645
#2	3.0536	.01147	.19578	.01044	.01993	1.0066	.04007	2.7549	.00812	.00786	.00818	.01434	.48991
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.0340**	**.10113**	**.00997**	**.01578**	**.00970**	**.01430**	F **.08834**	**.00960**	**.02176**	**.01541**
Stddev	.0204	.00096	.00002	.00108	.00003	.00039	.00333	.00039	.00086	.00061
%RSD	1.9697	.95099	.20078	6.8673	.35575	2.7327	3.7730	4.0931	3.9518	3.9824
#1	1.0196	.10181	.00996	.01501	.00973	.01402	.09069	.00932	.02115	.01584
#2	1.0484	.10045	.00999	.01655	.00968	.01457	.08598	.00988	.02237	.01498
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
Value							.06000			
Range							30.000%			

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**3599.3**	**57738.**	**6676.9**
Stddev	10.8	85.	27.6
%RSD	.29886	.14756	.41276
#1	3591.7	57678.	6657.4
#2	3606.9	57798.	6696.4

Sample Name: 280-28131-s-4-e Acquired: 5/3/2012 22:01:11 Type: Unk
Method: 6500_025(v2) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 117183 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00020**	**.16611**	**-.00290**	**.12544**	**.02105**	**.00010**	**-.00291**	**8.9983**	**.00025**	**-.00018**
Stddev	.00002	.00005	.00234	.00020	.00003	.00003	.00064	.0381	.00009	.00011
%RSD	10.415	.03038	80.713	.15609	.12223	25.735	21.843	.42384	37.353	62.308
#1	.00019	.16607	-.00456	.12558	.02103	.00012	-.00246	9.0253	.00018	-.00026
#2	.00021	.16614	-.00125	.12530	.02106	.00008	-.00336	8.9713	.00032	-.00010
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00034**	**.00089**	**.00907**	**15.185**	**.04407**	**.13711**	**.00031**	**.01000**	**273.22**	**.00048**
Stddev	.00000	.00023	.00106	.090	.00071	.00135	.00002	.00029	.36	.00030
%RSD	.74472	26.352	11.716	.59226	1.6197	.98752	6.2204	2.8596	.13358	61.810
#1	.00034	.00072	.00983	15.248	.04356	.13615	.00029	.01020	273.48	.00069
#2	.00034	.00106	.00832	15.121	.04457	.13807	.00032	.00979	272.96	.00027
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00431**	**.00052**	**128.42**	**-.00049**	**-.00191**	**8.1784**	**17.502**	**-.00014**	**.30260**	**.00034**
Stddev	.00076	.00005	.01	.00171	.00232	.0387	.083	.00065	.00063	.00042
%RSD	17.592	9.3111	.01008	351.39	121.17	.47281	.47281	453.42	.20672	122.46
#1	.00378	.00048	128.43	-.00170	-.00355	8.2057	17.560	.00031	.30304	.00064
#2	.00485	.00055	128.41	.00072	-.00027	8.1511	17.443	-.00060	.30216	.00005
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00009**	**-.00228**	**.01076**	**.00018**	**.00315**	**.00111**
Stddev	.00012	.00132	.00281	.00014	.00035	.00030
%RSD	134.73	58.009	26.133	74.525	11.059	27.220
#1	.00000	-.00134	.01275	.00028	.00290	.00090
#2	-.00018	-.00321	.00877	.00009	.00339	.00133
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**3376.8**	**54207.**	**6684.1**
Stddev	8.0	42.	127.3
%RSD	.23802	.07733	1.9048
#1	3371.1	54237.	6594.1
#2	3382.4	54178.	6774.1

Sample Name: SD 280-28131-s-4-e@5 Acquired: 5/3/2012 22:03:40 Type: Unk
Method: 6500_025(v2) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 117183 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00039**	**.03524**	**-.00076**	**.02633**	**.00452**	**.00002**	**-.00336**	**1.8519**	**.00011**	**.00012**
Stddev	.00050	.00052	.00094	.00038	.00018	.00001	.00108	.0217	.00007	.00007
%RSD	128.31	1.4679	123.08	1.4490	4.0071	51.313	32.150	1.1721	60.975	60.682
#1	.00075	.03560	-.00010	.02606	.00439	.00002	-.00413	1.8673	.00016	.00017
#2	.00004	.03487	-.00143	.02660	.00465	.00001	-.00260	1.8366	.00006	.00007
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00002**	**.00024**	**.06512**	**3.1352**	**.00938**	**.02992**	**.00046**	**.00202**	**56.966**	**.00009**
Stddev	.00008	.00036	.00149	.0141	.00110	.00016	.00001	.00014	.063	.00003
%RSD	458.56	150.58	2.2944	.44942	11.760	.53234	2.2506	7.1281	.11068	29.667
#1	.00007	.00050	.06617	3.1253	.01016	.02981	.00045	.00191	57.011	.00011
#2	-.00004	-.00002	.06406	3.1452	.00860	.03003	.00046	.00212	56.921	.00007
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00315**	**-.00082**	**25.478**	**-.00034**	**-.00334**	**1.6803**	**3.5957**	**.00063**	**.06206**	**.00077**
Stddev	.00069	.00222	.085	.00074	.00317	.0115	.0245	.00095	.00014	.00093
%RSD	21.930	271.85	.33505	216.41	94.846	.68134	.68134	151.07	.21901	119.55
#1	.00364	-.00239	25.538	.00018	-.00110	1.6883	3.6131	-.00004	.06216	.00012
#2	.00266	.00075	25.417	-.00087	-.00558	1.6722	3.5784	.00130	.06197	.00143
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00026**	**-.00011**	**.00751**	**-.00029**	**.00422**	**.00063**
Stddev	.00014	.00048	.03079	.00005	.00028	.00039
%RSD	55.461	446.74	409.76	16.768	6.7353	62.541
#1	.00016	.00023	.02929	-.00026	.00442	.00035
#2	.00036	-.00044	-.01426	-.00033	.00402	.00090
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**3476.5**	**56041.**	**6580.9**
Stddev	8.6	91.	21.4
%RSD	.24765	.16191	.32516
#1	3470.5	55977.	6565.8
#2	3482.6	56105.	6596.0

Sample Name: 280-28131-s-4-f ms Acquired: 5/3/2012 22:06:03 Type: Unk
Method: 6500_025(v2) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 117183 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.05287**	**1.9207**	**1.0368**	**1.0962**	**1.9966**	**.04719**	F **2.0888**	**54.496**	**.10046**	**.48548**
Stddev	.00055	.0007	.0099	.0015	.0035	.00009	.0046	.103	.00011	.00012
%RSD	1.0471	.03592	.95294	.13913	.17423	.19789	.21854	.18858	.10666	.02492
#1	.05326	1.9211	1.0438	1.0972	1.9990	.04726	2.0920	54.569	.10054	.48540
#2	.05248	1.9202	1.0298	1.0951	1.9941	.04713	2.0855	54.424	.10038	.48557
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit							.10000			
Low Limit							-.10000			

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.19809**	**.26665**	**.98717**	**64.653**	**1.0076**	**47.294**	**.51112**	**1.0232**	**323.22**	**.48111**
Stddev	.00004	.00058	.00712	.135	.0005	.064	.00052	.0043	.81	.00079
%RSD	.02002	.21836	.72142	.20862	.04674	.13569	.10267	.41998	.25175	.16338
#1	.19807	.26706	.99221	64.749	1.0080	47.339	.51149	1.0263	323.79	.48166
#2	.19812	.26624	.98213	64.558	1.0073	47.249	.51075	1.0202	322.64	.48055
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **10.105**	**.46904**	**129.29**	**.49794**	**1.8780**	**17.528**	**37.511**	**1.9459**	**1.3012**	**1.0297**
Stddev	.020	.00201	.06	.00028	.0085	.003	.005	.0048	.0026	.0013
%RSD	.20138	.42918	.04622	.05675	.45183	.01462	.01462	.24449	.19706	.12424
#1	10.119	.46761	129.33	.49774	1.8840	17.530	37.515	1.9493	1.3030	1.0288
#2	10.091	.47046	129.25	.49814	1.8720	17.527	37.507	1.9426	1.2994	1.0306
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	2.0000									
Low Limit	-1.0000									

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.0038**	**1.8611**	**2.2066**	**.50552**	**.46911**	**.48997**
Stddev	.0009	.0056	.0016	.00257	.00205	.00134
%RSD	.08931	.30227	.07289	.50781	.43734	.27270
#1	1.0045	1.8651	2.2077	.50733	.46766	.48903
#2	1.0032	1.8572	2.2055	.50370	.47056	.49091
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**3294.8**	**52761.**	**6538.6**
Stddev	1.6	28.	49.4
%RSD	.04874	.05241	.75568
#1	3295.9	52780.	6503.7
#2	3293.6	52741.	6573.5

Sample Name: 280-28131-a-4-a msd Acquired: 5/3/2012 22:08:18 Type: Unk
Method: 6500_025(v2) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 117183 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.05264**	**1.8989**	**1.0259**	**1.0775**	**1.9854**	**.04708**	F **2.0631**	**54.052**	**.09945**	**.47986**
Stddev	.00041	.0031	.0050	.0031	.0033	.00017	.0101	.307	.00036	.00013
%RSD	.77832	.16479	.48711	.28535	.16688	.35553	.49161	.56806	.35928	.02729
#1	.05293	1.8967	1.0295	1.0797	1.9878	.04720	2.0703	54.270	.09970	.47977
#2	.05235	1.9011	1.0224	1.0753	1.9831	.04696	2.0560	53.835	.09919	.47996
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit							.10000			
Low Limit							-.10000			

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.19638**	**.26713**	**.97462**	**64.614**	**1.0019**	**47.170**	**.51051**	**1.0106**	**323.69**	**.47554**
Stddev	.00042	.00076	.00099	.212	.0008	.048	.00022	.0030	.43	.00229
%RSD	.21207	.28353	.10194	.32772	.07593	.10202	.04263	.29599	.13194	.48060
#1	.19668	.26767	.97532	64.764	1.0024	47.204	.51066	1.0127	324.00	.47715
#2	.19609	.26660	.97392	64.464	1.0013	47.136	.51035	1.0085	323.39	.47392
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **9.9586**	**.46602**	**128.23**	**.48606**	**1.8887**	**17.405**	**37.247**	**1.9143**	**1.2969**	**1.0273**
Stddev	.0195	.00291	.37	.00018	.0016	.086	.184	.0013	.0031	.0031
%RSD	.19547	.62510	.28648	.03640	.08372	.49330	.49330	.06704	.23629	.29729
#1	9.9724	.46808	128.49	.48593	1.8899	17.466	37.377	1.9152	1.2991	1.0295
#2	9.9449	.46396	127.97	.48618	1.8876	17.344	37.117	1.9134	1.2948	1.0252
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	2.0000									
Low Limit	-1.0000									

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.98985**	**1.8402**	**2.2048**	**.50310**	**.46523**	**.48509**
Stddev	.00000	.0108	.0261	.00083	.00071	.00258
%RSD	.00024	.58843	1.1816	.16473	.15353	.53264
#1	.98985	1.8479	2.2232	.50251	.46574	.48692
#2	.98985	1.8326	2.1863	.50368	.46473	.48326
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**3287.6**	**52378.**	**6450.5**
Stddev	8.8	108.	67.1
%RSD	.26739	.20705	1.0407
#1	3281.4	52302.	6403.1
#2	3293.9	52455.	6498.0

Sample Name: 280-28131-s-5-b Acquired: 5/3/2012 22:10:32 Type: Unk
Method: 6500_025(v2) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 117183 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00018**	**.00135**	**-.00277**	**.00132**	**.00070**	**.00001**	**-.00193**	**.01980**	**.00018**	**.00025**
Stddev	.00040	.00035	.00277	.00029	.00017	.00003	.00091	.00269	.00025	.00006
%RSD	224.58	25.919	99.882	21.807	24.015	306.74	47.426	13.567	137.76	22.556
#1	-.00010	.00110	-.00472	.00152	.00082	-.00001	-.00257	.02170	.00035	.00021
#2	.00046	.00159	-.00081	.00112	.00058	.00004	-.00128	.01790	.00000	.00029
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00005**	**-.00033**	**.00254**	**.14556**	**.00220**	**.00836**	**.00012**	**.00173**	**.29370**	**-.00039**
Stddev	.00011	.00040	.00083	.02102	.00034	.00252	.00002	.00047	.03024	.00002
%RSD	233.83	121.39	32.564	14.441	15.326	30.095	17.723	26.941	10.296	5.0479
#1	.00012	-.00005	.00196	.16043	.00243	.00658	.00011	.00140	.31508	-.00038
#2	-.00003	-.00061	.00313	.13070	.00196	.01014	.00014	.00206	.27231	-.00041
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00475**	**.00011**	**.03937**	**.00020**	**-.00065**	**.03226**	**.06903**	**.00036**	**.00033**	**.00192**
Stddev	.00010	.00054	.01244	.00014	.00279	.00205	.00439	.00006	.00005	.00018
%RSD	2.0287	506.38	31.592	70.582	430.66	6.3523	6.3523	15.951	14.823	9.2251
#1	.00468	-.00028	.04817	.00010	.00132	.03081	.06593	.00032	.00030	.00204
#2	.00482	.00049	.03058	.00029	-.00262	.03371	.07214	.00041	.00037	.00179
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00035**	**-.00233**	**.00947**	**-.00037**	**.00343**	**.00143**
Stddev	.00006	.00110	.00347	.00062	.00005	.00006
%RSD	16.866	47.357	36.615	168.84	1.4762	4.3793
#1	.00039	-.00155	.01192	.00007	.00346	.00139
#2	.00031	-.00311	.00702	-.00080	.00339	.00147
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**3598.9**	**58019.**	**6622.1**
Stddev	2.5	124.	30.7
%RSD	.06915	.21327	.46316
#1	3597.1	58107.	6643.8
#2	3600.6	57932.	6600.4

Sample Name: 280-28131-a-6-a Acquired: 5/3/2012 22:12:57 Type: Unk
Method: 6500_025(v2) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 117183 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00029**	**.00309**	**-.00250**	**.00114**	**.00007**	**.00004**	**-.00304**	**.01522**	**.00027**	**-.00003**
Stddev	.00070	.00056	.00192	.00000	.00029	.00002	.00047	.00017	.00010	.00013
%RSD	244.63	18.244	76.903	.16101	432.98	44.835	15.381	1.1334	38.618	503.40
#1	.00078	.00348	-.00386	.00114	.00027	.00006	-.00271	.01510	.00034	.00006
#2	-.00021	.00269	-.00114	.00113	-.00014	.00003	-.00337	.01534	.00020	-.00012
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00002**	**-.00007**	**.01065**	**.07616**	**.00078**	**.00329**	**.00016**	**.00009**	**.14809**	**-.00016**
Stddev	.00008	.00029	.00001	.02646	.00025	.00299	.00002	.00025	.00070	.00022
%RSD	450.83	403.94	.10849	34.746	31.276	90.727	12.170	286.96	.47034	135.27
#1	-.00004	-.00028	.01065	.05745	.00061	.00540	.00018	-.00009	.14858	-.00001
#2	.00007	.00014	.01064	.09487	.00096	.00118	.00015	.00026	.14760	-.00032
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00011**	**-.00035**	**.02548**	**-.00078**	**-.00279**	**.03321**	**.07107**	**-.00071**	**.00009**	**.00170**
Stddev	.00295	.00083	.00124	.00159	.00298	.00328	.00701	.00015	.00001	.00047
%RSD	2666.3	235.93	4.8481	204.73	106.79	9.8678	9.8678	21.351	13.406	27.307
#1	-.00197	.00023	.02461	.00035	-.00068	.03553	.07603	-.00060	.00010	.00137
#2	.00219	-.00093	.02635	-.00190	-.00490	.03089	.06611	-.00082	.00008	.00203
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00028**	**-.00215**	**-.00370**	**-.00045**	**.08113**	**.00088**
Stddev	.00013	.00009	.01714	.00039	.00014	.00056
%RSD	46.813	4.0708	463.78	87.172	.16916	63.618
#1	.00019	-.00208	.00843	-.00073	.08123	.00128
#2	.00037	-.00221	-.01582	-.00017	.08103	.00049
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**3591.7**	**58510.**	**6723.9**
Stddev	3.2	203.	20.4
%RSD	.08863	.34634	.30375
#1	3589.5	58367.	6709.5
#2	3594.0	58653.	6738.4

Sample Name: 280-27933-a-7-a Acquired: 5/3/2012 22:15:22 Type: Unk
Method: 6500_025(v2) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 117183 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00025**	**.00074**	**-.00183**	W **17.623**	**.00036**	**.00001**	**-.00502**	**.00528**	**.00003**	**.00001**
Stddev	.00009	.00024	.00259	.022	.00018	.00003	.00139	.00047	.00016	.00000
%RSD	37.359	31.988	141.51	.12415	50.745	204.17	27.676	8.9813	645.79	35.960
#1	.00018	.00058	-.00367	17.639	.00048	-.00001	-.00600	.00561	.00014	.00001
#2	.00031	.00091	.00000	17.608	.00023	.00003	-.00404	.00494	-.00009	.00001
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				10.000						
Low Limit				-.01000						

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00004**	**.00024**	**.01020**	**25.600**	**.00116**	**-.00007**	**.00008**	**.00032**	**43.606**	**-.00012**
Stddev	.00002	.00009	.00173	.017	.00204	.00285	.00002	.00010	.058	.00028
%RSD	44.361	35.678	16.979	.06595	176.00	4177.4	28.356	31.671	.13298	232.47
#1	.00005	.00030	.01142	25.612	.00261	.00195	.00006	.00025	43.565	-.00032
#2	.00003	.00018	.00897	25.588	-.00028	-.00209	.00010	.00039	43.647	.00008
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00488**	**.00029**	**9.1401**	**-.00025**	**-.00281**	**.02897**	**.06200**	**.00005**	**.00018**	**.00062**
Stddev	.00010	.00111	.0219	.00050	.00463	.00803	.01718	.00045	.00002	.00027
%RSD	2.0608	384.70	.23924	201.93	164.83	27.716	27.716	886.98	13.335	43.633
#1	.00495	.00107	9.1555	-.00060	-.00609	.02329	.04985	-.00027	.00020	.00043
#2	.00481	-.00050	9.1246	.00011	.00047	.03465	.07415	.00037	.00017	.00082
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00030**	**-.00056**	**.01678**	**-.00036**	**.28302**	**.00003**
Stddev	.00005	.00134	.01377	.00023	.00188	.00084
%RSD	16.616	240.15	82.068	65.063	.66259	2679.4
#1	-.00033	.00039	.02652	-.00052	.28435	-.00056
#2	-.00026	-.00151	.00704	-.00019	.28169	.00063
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**3497.7**	**56437.**	**6644.2**
Stddev	4.7	127.	21.0
%RSD	.13302	.22427	.31553
#1	3494.4	56347.	6629.3
#2	3501.0	56526.	6659.0

Sample Name: 280-28076-r-1-b Acquired: 5/3/2012 22:17:45 Type: Unk
Method: 6500_025(v2) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 117183 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00022**	**.67530**	**-.00197**	**.12034**	**.15341**	**-.00002**	**-.00198**	**32.049**	**.00008**	**.00002**
Stddev	.00029	.00083	.00342	.00185	.00009	.00000	.00031	.021	.00013	.00005
%RSD	130.75	.12229	173.63	1.5386	.06026	2.6579	15.656	.06447	156.18	268.65
#1	.00002	.67588	.00045	.12165	.15334	-.00002	-.00220	32.063	-.00001	.00005
#2	.00043	.67471	-.00439	.11903	.15347	-.00002	-.00176	32.034	.00017	-.00002
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00449**	**.00527**	**.29074**	**15.171**	**.02765**	**.04206**	**.00459**	**.00157**	**395.15**	**.00567**
Stddev	.00018	.00007	.00044	.001	.00009	.00026	.00003	.00027	.00	.00031
%RSD	4.0872	1.2924	.15105	.00625	.33227	.60766	.54620	17.116	.00080	5.4410
#1	.00462	.00532	.29043	15.170	.02771	.04224	.00460	.00176	395.15	.00588
#2	.00436	.00522	.29105	15.172	.02758	.04188	.00457	.00138	395.15	.00545
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.02155**	**-.00058**	**5.8347**	**-.00233**	**-.00454**	**4.6125**	**9.8708**	**-.00072**	**.78405**	**.00172**
Stddev	.00143	.00017	.0045	.00127	.00256	.0160	.0343	.00105	.00073	.00071
%RSD	6.6449	29.469	.07691	54.471	56.429	.34737	.34737	145.18	.09271	41.330
#1	.02256	-.00070	5.8315	-.00143	-.00273	4.6239	9.8951	.00002	.78457	.00122
#2	.02054	-.00046	5.8378	-.00323	-.00635	4.6012	9.8466	-.00147	.78354	.00222
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00132**	**-.00320**	**-.00994**	**.00176**	**.05181**	**.00041**
Stddev	.00005	.00028	.02596	.00028	.00030	.00072
%RSD	3.5695	8.7889	261.24	15.893	.57983	173.33
#1	.00136	-.00300	.00842	.00196	.05160	-.00009
#2	.00129	-.00340	-.02830	.00156	.05203	.00092
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**3320.4**	**52784.**	**6515.3**
Stddev	6.4	94.	24.2
%RSD	.19127	.17842	.37121
#1	3324.9	52851.	6498.2
#2	3315.9	52717.	6532.4

Sample Name: CCVH-1390999 Acquired: 5/3/2012 22:20:13 Type: QC
Method: 6500_025(v2) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00108**	**47.528**	**-.00033**	**.00952**	**.00061**	**.00005**	**1.0163**	**.01644**	**.00018**	**.00035**	**.00024**	**-.00276**
Stddev	.00028	.040	.00022	.00107	.00006	.00002	.0086	.00176	.00006	.00014	.00008	.00013
%RSD	25.657	.08430	66.039	11.287	9.4279	36.873	.84424	10.694	35.815	38.283	34.677	4.7236
#1	-.00089	47.556	-.00018	.01028	.00057	.00006	1.0224	.01769	.00013	.00026	.00030	-.00285
#2	-.00128	47.499	-.00049	.00876	.00065	.00004	1.0103	.01520	.00022	.00045	.00018	-.00267
Check ?	None	Chk Pass	None	None	None	None	Chk Pass	None	None	None	None	None
Value												
Range												

Elem	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316	P_1782	Pb2203	S_1820	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**47.694**	**.19430**	**.00237**	**-.02961**	**.00011**	**-.00076**	**243.86**	**.00131**	**.00285**	**-.00111**	**4.9738**	**-.00068**
Stddev	.260	.00508	.00113	.00101	.00002	.00024	.57	.00005	.00011	.00028	.0114	.00279
%RSD	.54445	2.6130	47.596	3.4083	21.218	31.385	.23247	3.9366	4.0163	25.196	.22991	410.12
#1	47.877	.19071	.00317	-.03033	.00009	-.00059	244.27	.00127	.00293	-.00131	4.9819	-.00266
#2	47.510	.19789	.00157	-.02890	.00012	-.00092	243.46	.00134	.00277	-.00091	4.9657	.00129
Check ?	Chk Pass	None	None	None	None	None	Chk Pass	None	None	None	Chk Pass	None
Value												
Range												

Elem	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00057**	**.03646**	**.07802**	**.00209**	**.00069**	**5.0901**	**.00733**	**-.00251**	W **10.777**	**-.00334**	**.00195**	**-.04297**
Stddev	.00531	.01577	.03376	.00087	.00007	.0094	.00021	.00139	.021	.00021	.00025	.00027
%RSD	925.55	43.267	43.267	41.493	9.5576	.18519	2.9108	55.137	.19611	6.2759	13.013	.62288
#1	-.00318	.04761	.10189	.00270	.00074	5.0968	.00718	-.00153	10.792	-.00349	.00177	-.04316
#2	.00433	.02530	.05415	.00148	.00064	5.0834	.00748	-.00349	10.762	-.00319	.00213	-.04278
Check ?	None	None	None	None	None	Chk Pass	None	None	Chk Warn	None	None	None
Value									10.000			
Range									5.0000%			

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**3397.0**	**53855.**	**6470.7**
Stddev	2.0	80.	15.4
%RSD	.05871	.14884	.23740
#1	3395.6	53799.	6459.9
#2	3398.4	53912.	6481.6

Sample Name: CCV-1390955 Acquired: 5/3/2012 22:22:36 Type: QC
Method: 6500_025(v2) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.50735**	**.48724**	**.98987**	**.48926**	**.49085**	**.46148**	**-.00197**	**4.5715**	**.49304**	**.49357**	**.49565**	**.52810**	**2.4531**
Stddev	.00245	.00059	.00035	.00051	.00235	.00232	.00233	.0006	.00052	.00009	.00103	.00304	.0068
%RSD	.48339	.12085	.03503	.10392	.47883	.50253	118.27	.01211	.10632	.01878	.20686	.57626	.27620
#1	.50561	.48766	.98962	.48890	.49251	.46312	-.00361	4.5711	.49267	.49350	.49493	.52595	2.4579
#2	.50908	.48682	.99012	.48962	.48919	.45984	-.00032	4.5719	.49341	.49363	.49638	.53025	2.4483
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**48.163**	**.94092**	**19.345**	**.50639**	**.49813**	**4.8075**	**.48838**	**.94360**	**1.0001**	**.01053**	**.97507**	**.99503**	**4.5668**
Stddev	.181	.00328	.093	.00188	.00060	.0360	.00056	.00408	.0010	.00060	.00169	.00327	.0010
%RSD	.37597	.34885	.47839	.37149	.12010	.74871	.11388	.43204	.09624	5.6866	.17361	.32860	.02291
#1	48.292	.94324	19.279	.50506	.49856	4.8330	.48798	.94072	.99941	.01011	.97627	.99272	4.5661
#2	48.035	.93860	19.410	.50772	.49771	4.7821	.48877	.94648	1.0008	.01096	.97388	.99734	4.5676
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**9.7730**	**.98107**	**.48785**	**.00077**	**.48733**	**1.0022**	**.01825**	**.49150**	**.46359**	**.49229**
Stddev	.0022	.00112	.00170	.00036	.00268	.0022	.01851	.00245	.00065	.00213
%RSD	.02291	.11406	.34793	46.345	.54955	.21441	101.43	.49834	.14035	.43281
#1	9.7714	.98028	.48905	.00102	.48544	1.0006	.00516	.48977	.46313	.49379
#2	9.7746	.98186	.48665	.00052	.48922	1.0037	.03134	.49323	.46405	.49078
Check ?	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value										
Range										

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**3489.0**	**55740.**	**6468.8**
Stddev	4.1	114.	33.7
%RSD	.11654	.20454	.52088
#1	3486.1	55821.	6492.6
#2	3491.9	55659.	6445.0

Sample Name: CCB Acquired: 5/3/2012 22:24:49 Type: QC
Method: 6500_025(v2) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00065**	**.00081**	**-.00248**	**.00317**	**.00050**	**.00033**	**-.00139**	**-.00109**	**.00018**	**.00014**	**.00034**	**-.00056**
Stddev	.00007	.00016	.00221	.00033	.00003	.00007	.00164	.00362	.00015	.00004	.00008	.00008
%RSD	10.797	20.157	89.289	10.260	6.2988	22.578	117.92	333.86	81.811	29.499	22.818	14.943
#1	.00060	.00093	-.00405	.00340	.00052	.00038	-.00254	.00148	.00028	.00011	.00028	-.00050
#2	.00069	.00069	-.00091	.00294	.00048	.00027	-.00023	-.00365	.00008	.00017	.00039	-.00061
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit												
Low Limit												

Elem	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00882**	**.09742**	W **.00276**	**.00566**	**.00014**	**.00096**	W **.11175**	**.00007**	**.00306**	**.00018**	**.00631**	**.00157**
Stddev	.00089	.00393	.00116	.00178	.00001	.00066	.00992	.00003	.00005	.00051	.00531	.00175
%RSD	10.057	4.0363	42.101	31.427	8.2550	68.732	8.8809	42.153	1.7869	280.40	84.023	111.04
#1	.00945	.09464	.00358	.00691	.00015	.00049	.11876	.00009	.00302	.00054	.01007	.00034
#2	.00819	.10020	.00194	.00440	.00013	.00143	.10473	.00005	.00310	-.00018	.00256	.00281
Check ?	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit			.00261				.09160					
Low Limit			-.00261				-.09160					

Elem	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00065**	**.01444**	**.03090**	**-.00002**	W **.00034**	**.00070**	**.00051**	**-.00245**	**.02256**	**-.00028**	**.00314**	**.00091**
Stddev	.00128	.00235	.00502	.00064	.00004	.00038	.00012	.00068	.00187	.00038	.00038	.00064
%RSD	196.37	16.245	16.245	3892.2	10.857	53.844	24.076	27.981	8.2944	134.89	12.086	70.101
#1	-.00155	.01278	.02735	-.00047	.00036	.00043	.00059	-.00293	.02389	-.00001	.00340	.00137
#2	.00025	.01610	.03445	.00044	.00031	.00096	.00042	-.00196	.02124	-.00055	.00287	.00046
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					.00030							
Low Limit					-.00030							

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**3537.8**	**56828.**	**6474.4**
Stddev	8.0	31.	54.9
%RSD	.22553	.05416	.84822
#1	3532.1	56850.	6435.6
#2	3543.4	56806.	6513.3

Sample Name: CCVL1397430 Acquired: 5/3/2012 22:27:14 Type: QC
Method: 6500_025(v2) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599	K_7664
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01052**	**.10131**	**.01054**	**.09808**	**.01003**	**.00100**	**.10497**	**.18221**	**.00503**	**.01013**	**.01030**	**.01578**	**.09862**	**3.0362**
Stddev	.00002	.00069	.00119	.00031	.00006	.00003	.00478	.00104	.00001	.00004	.00005	.00007	.00432	.0144
%RSD	.15465	.67866	11.272	.31760	.57635	3.4392	4.5543	.57322	.11618	.42440	.47414	.43824	4.3762	.47593
#1	.01053	.10180	.01138	.09830	.00999	.00098	.10159	.18148	.00502	.01016	.01027	.01583	.10168	3.0260
#2	.01050	.10082	.00970	.09786	.01007	.00102	.10835	.18295	.00503	.01010	.01033	.01574	.09557	3.0464
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value														
Range														

Elem	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01002**	**.20143**	**.01049**	**.02043**	**1.0294**	**.04028**	**2.7479**	**.00893**	**.00514**	**.00958**	**.01248**	**.46660**	**.99853**	**.10085**
Stddev	.00127	.00101	.00001	.00015	.0077	.00008	.0104	.00046	.00024	.00185	.00115	.00647	.01385	.00026
%RSD	12.640	.50236	.13220	.72919	.74822	.18887	.37888	5.1464	4.7600	19.277	9.2197	1.3869	1.3869	.25509
#1	.01092	.20071	.01050	.02033	1.0349	.04033	2.7553	.00861	.00497	.01089	.01167	.46202	.98873	.10067
#2	.00913	.20214	.01048	.02054	1.0240	.04022	2.7406	.00926	.00531	.00828	.01330	.47118	1.0083	.10104
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value														
Range														

Elem	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01001**	**.01726**	**.01004**	**.01400**	**.06832**	**.01000**	**.02190**	**.01489**
Stddev	.00000	.00224	.00004	.00017	.02937	.00022	.00010	.00024
%RSD	.03099	12.978	.36761	1.1830	42.987	2.2381	.47868	1.6211
#1	.01001	.01885	.01001	.01412	.04755	.00984	.02198	.01472
#2	.01001	.01568	.01006	.01388	.08909	.01016	.02183	.01506
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value								
Range								

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**3544.6**	**56846.**	**6514.4**
Stddev	4.0	17.	1.6
%RSD	.11203	.03037	.02386
#1	3541.8	56858.	6515.5
#2	3547.4	56834.	6513.3

Sample Name: mb 280-117807/1-a Acquired: 5/3/2012 22:29:37 Type: Unk
Method: 6500_025(v2) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 117807 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00038**	**.00646**	**-.00387**	**.00191**	**.00029**	**.00007**	**-.00356**	**.01263**	**.00000**	**.00015**
Stddev	.00017	.00048	.00320	.00012	.00025	.00003	.00018	.00144	.00009	.00004
%RSD	45.792	7.3873	82.619	6.4327	85.564	39.158	5.0371	11.432	63113.	30.774
#1	.00026	.00680	-.00614	.00182	.00046	.00005	-.00369	.01161	.00006	.00018
#2	.00050	.00612	-.00161	.00199	.00011	.00009	-.00344	.01365	-.00006	.00011
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00010**	**-.00028**	**.01599**	**.07366**	**.00221**	**.00547**	**.00028**	**.00023**	**.07587**	**-.00038**
Stddev	.00002	.00018	.00098	.03550	.00087	.00045	.00000	.00002	.00560	.00024
%RSD	22.049	64.630	6.1488	48.198	39.279	8.1807	.31047	7.2278	7.3824	63.033
#1	.00009	-.00015	.01668	.09877	.00160	.00516	.00028	.00024	.07983	-.00021
#2	.00012	-.00041	.01529	.04856	.00282	.00579	.00028	.00022	.07191	-.00055
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00252**	**.00056**	W **.00606**	**-.00227**	**.00021**	F **.02045**	**.04377**	**-.00035**	**.00015**	**.00129**
Stddev	.00087	.00015	.00070	.00186	.00146	.00075	.00160	.00070	.00002	.00054
%RSD	34.420	27.700	11.548	81.795	682.49	3.6458	3.6458	201.98	13.116	42.118
#1	.00191	.00045	.00556	-.00096	.00125	.01993	.04264	-.00084	.00013	.00168
#2	.00314	.00067	.00655	-.00359	-.00082	.02098	.04490	.00015	.00016	.00091
Check ?	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Fail	None	Chk Pass	Chk Pass	Chk Pass
High Limit			.00500			.01000				
Low Limit			-.00500			-.01000				

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00006**	**-.00206**	**.00617**	**-.00034**	**.00285**	**.00103**
Stddev	.00001	.00084	.01432	.00039	.00059	.00150
%RSD	10.750	40.700	232.07	112.86	20.716	146.20
#1	.00006	-.00147	-.00396	-.00061	.00327	.00209
#2	.00006	-.00265	.01630	-.00007	.00244	-.00003
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**3599.5**	**57772.**	**6640.9**
Stddev	5.7	38.	25.3
%RSD	.15855	.06527	.38121
#1	3603.6	57798.	6623.0
#2	3595.5	57745.	6658.8

Sample Name: lcs 280-117807/2-a Acquired: 5/3/2012 22:32:02 Type: Unk
Method: 6500_025(v2) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 117807 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.05312**	**1.9400**	**1.0173**	**1.0036**	**1.9854**	**.04716**	**2.1485**	**45.446**	**.10145**	**.49569**
Stddev	.00001	.0106	.0096	.0096	.0033	.00017	.0162	.056	.00101	.00362
%RSD	.02114	.54631	.94435	.95876	.16460	.36511	.75469	.12256	.99766	.73101
#1	.05313	1.9475	1.0241	1.0104	1.9877	.04729	2.1600	45.485	.10217	.49825
#2	.05312	1.9325	1.0105	.99680	1.9831	.04704	2.1371	45.407	.10074	.49312
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.20243**	**.27317**	**1.0687**	**49.306**	**.95946**	**49.259**	**.52486**	**1.0297**	**51.136**	**.49193**
Stddev	.00173	.00101	.0036	.041	.00215	.280	.00304	.0108	.241	.00391
%RSD	.85248	.36915	.33431	.08243	.22421	.56849	.57998	1.0500	.47044	.79575
#1	.20366	.27246	1.0712	49.335	.96098	49.061	.52271	1.0373	51.306	.49469
#2	.20121	.27389	1.0662	49.278	.95793	49.457	.52702	1.0220	50.966	.48916
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**9.9043**	**.49458**	**.05335**	**.50214**	**2.0680**	F **9.2840**	F **19.868**	**2.0008**	**1.0024**	**1.0492**
Stddev	.0784	.00532	.00298	.00516	.0221	.0017	.004	.0114	.0020	.0039
%RSD	.79168	1.0762	5.5925	1.0283	1.0701	.01824	.01824	.56810	.20068	.37137
#1	9.9598	.49834	.05124	.50579	2.0837	9.2828	19.865	2.0088	1.0038	1.0465
#2	9.8489	.49082	.05546	.49848	2.0524	9.2852	19.870	1.9928	1.0010	1.0520
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Fail	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit						11.500	24.610			
Low Limit						9.4000	20.100			

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.0104**	**2.0284**	**2.2789**	**.51145**	**.46801**	**.49014**
Stddev	.0040	.0145	.0220	.00270	.00240	.00291
%RSD	.39318	.71640	.96582	.52867	.51302	.59272
#1	1.0076	2.0386	2.2634	.50954	.46631	.49219
#2	1.0132	2.0181	2.2945	.51336	.46971	.48809
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**3383.8**	**54113.**	**6499.9**
Stddev	24.1	321.	7.7
%RSD	.71317	.59307	.11842
#1	3366.8	54340.	6505.4
#2	3400.9	53886.	6494.5

Sample Name: 280-28270-i-8-a Acquired: 5/3/2012 22:34:11 Type: Unk
Method: 6500_025(v2) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 117807 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00011**	**.00896**	**-.00453**	**.10381**	**.01706**	**.00002**	**-.00346**	**.87630**	**.00010**	**.00012**
Stddev	.00027	.00020	.00125	.00050	.00014	.00004	.00048	.00123	.00010	.00017
%RSD	258.17	2.1844	27.616	.48609	.80490	183.68	13.953	.14054	96.757	142.17
#1	.00030	.00910	-.00365	.10345	.01716	.00005	-.00312	.87542	.00003	.00000
#2	-.00009	.00882	-.00542	.10417	.01696	-.00001	-.00380	.87717	.00017	.00024
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00009**	**.00118**	**.00986**	**.66880**	**.02980**	**.34825**	**.00983**	**.00440**	**160.02**	**.00042**
Stddev	.00006	.00001	.00142	.01488	.00001	.00160	.00004	.00042	.47	.00003
%RSD	66.250	1.2205	14.429	2.2253	.02530	.46036	.37079	9.5803	.29334	7.3370
#1	.00013	.00116	.01086	.65827	.02981	.34712	.00980	.00410	160.35	.00040
#2	.00005	.00119	.00885	.67932	.02980	.34938	.00985	.00470	159.69	.00044
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01686**	**-.00078**	**18.011**	**-.00068**	**-.00358**	**3.3960**	**7.2675**	**-.00017**	**.00637**	**.00057**
Stddev	.00186	.00194	.000	.00102	.00282	.0055	.0118	.00010	.00007	.00075
%RSD	11.042	249.69	.00086	150.40	78.744	.16238	.16238	61.673	1.0810	131.66
#1	.01555	-.00215	18.011	.00004	-.00159	3.3999	7.2759	-.00024	.00642	.00110
#2	.01818	.00060	18.011	-.00140	-.00557	3.3921	7.2592	-.00009	.00632	.00004
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00067**	**-.00102**	**-.00542**	**.00000**	**.00439**	**.00143**
Stddev	.00003	.00046	.03482	.00009	.00013	.00056
%RSD	4.3236	45.430	642.10	1937.5	2.9934	39.177
#1	.00069	-.00134	-.03004	-.00006	.00430	.00182
#2	.00065	-.00069	.01920	.00007	.00448	.00103
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**3409.9**	**54615.**	**6535.2**
Stddev	9.1	186.	99.8
%RSD	.26629	.34058	1.5271
#1	3403.5	54747.	6605.8
#2	3416.3	54484.	6464.7

Sample Name: SD 280-28270-i-8-a@5 Acquired: 5/3/2012 22:36:34 Type: Unk
Method: 6500_025(v2) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 117807 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00028**	**.00260**	**-.00648**	**.02199**	**.00375**	**-.00001**	**-.00254**	**.18142**	**.00018**	**.00012**
Stddev	.00020	.00013	.00116	.00037	.00004	.00006	.00020	.00160	.00022	.00015
%RSD	70.936	5.0112	17.842	1.6647	1.0954	984.53	7.7556	.88147	121.71	126.02
#1	.00014	.00270	-.00566	.02225	.00378	.00003	-.00240	.18029	.00003	.00022
#2	.00042	.00251	-.00730	.02173	.00372	-.00004	-.00268	.18255	.00034	.00001
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00007**	**-.00004**	**.00783**	**.19734**	**.00812**	**.07737**	**.00215**	**.00076**	**33.568**	**.00010**
Stddev	.00013	.00007	.00069	.01130	.00021	.00164	.00000	.00008	.237	.00002
%RSD	193.57	167.67	8.7556	5.7269	2.5703	2.1173	.13156	11.154	.70643	23.088
#1	.00016	-.00010	.00734	.18935	.00797	.07852	.00215	.00082	33.400	.00012
#2	-.00003	.00001	.00831	.20533	.00826	.07621	.00215	.00070	33.735	.00009
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00428**	**.00029**	**3.5281**	**-.00058**	**-.00274**	**.72129**	**1.5436**	**.00023**	**.00132**	**.00115**
Stddev	.00110	.00021	.0166	.00147	.00349	.00064	.0014	.00089	.00008	.00186
%RSD	25.661	71.834	.47150	252.69	127.51	.08929	.08929	385.13	6.3972	161.87
#1	.00350	.00043	3.5398	-.00162	-.00027	.72175	1.5445	-.00040	.00138	.00246
#2	.00506	.00014	3.5163	.00046	-.00521	.72084	1.5426	.00086	.00126	-.00017
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00010**	**-.00126**	**.02278**	**-.00046**	**.00466**	**.00004**
Stddev	.00013	.00117	.00431	.00033	.00074	.00076
%RSD	123.69	92.766	18.899	71.594	15.953	1969.8
#1	.00019	-.00043	.02582	-.00070	.00414	.00057
#2	.00001	-.00209	.01974	-.00023	.00519	-.00050
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**3482.3**	**55918.**	**6462.2**
Stddev	3.3	56.	19.9
%RSD	.09457	.09934	.30848
#1	3479.9	55957.	6448.1
#2	3484.6	55878.	6476.3

Sample Name: 280-28270-i-8-b ms Acquired: 5/3/2012 22:38:59 Type: Unk
Method: 6500_025(v2) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 117807 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.05273**	**1.7900**	**1.0279**	**1.0677**	**1.9827**	**.04686**	F **2.0819**	**46.031**	**.09999**	**.48334**
Stddev	.00009	.0060	.0041	.0017	.0008	.00001	.0001	.056	.00024	.00107
%RSD	.17970	.33530	.39478	.16334	.03834	.01488	.00405	.12262	.24160	.22234
#1	.05279	1.7943	1.0251	1.0664	1.9833	.04687	2.0818	46.071	.10016	.48410
#2	.05266	1.7858	1.0308	1.0689	1.9822	.04686	2.0819	45.991	.09982	.48258
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit							.10000			
Low Limit							-.10000			

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.19877**	**.26733**	**.97150**	**49.903**	**.98176**	**48.015**	**.52293**	**1.0066**	**210.40**	**.48010**
Stddev	.00012	.00051	.00357	.099	.00168	.286	.00109	.0012	.26	.00006
%RSD	.06115	.19242	.36725	.19848	.17153	.59534	.20877	.12082	.12150	.01204
#1	.19869	.26770	.97402	49.973	.98057	47.813	.52216	1.0075	210.58	.48014
#2	.19886	.26697	.96897	49.833	.98295	48.218	.52370	1.0058	210.22	.48006
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **9.8568**	**.47518**	**18.395**	**.48846**	**2.0458**	**12.609**	**26.982**	**1.9422**	**.99797**	**1.0326**
Stddev	.0005	.00237	.009	.00144	.0022	.012	.027	.0081	.00080	.0008
%RSD	.00487	.49964	.05090	.29380	.10676	.09891	.09891	.41555	.08000	.07975
#1	9.8565	.47686	18.402	.48948	2.0473	12.617	27.001	1.9479	.99853	1.0332
#2	9.8572	.47350	18.389	.48745	2.0442	12.600	26.963	1.9365	.99740	1.0321
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	2.0000									
Low Limit	-1.0000									

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.98948**	**1.9052**	**2.2044**	**.50421**	**.46676**	**.48484**
Stddev	.00330	.0073	.0134	.00129	.00388	.00205
%RSD	.33341	.38042	.60977	.25678	.83196	.42376
#1	.98714	1.9103	2.1949	.50330	.46402	.48629
#2	.99181	1.9001	2.2139	.50513	.46951	.48338
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**3323.0**	**52725.**	**6433.6**
Stddev	3.9	167.	21.8
%RSD	.11665	.31656	.33839
#1	3320.2	52843.	6449.0
#2	3325.7	52607.	6418.2

Sample Name: 280-28270-i-8-c msd Acquired: 5/3/2012 22:41:07 Type: Unk
Method: 6500_025(v2) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 117807 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.05219**	**1.7886**	**1.0225**	**1.0670**	**1.9641**	**.04598**	F **2.0680**	**45.340**	**.09935**	**.48087**
Stddev	.00015	.0081	.0028	.0098	.0033	.00018	.0140	.221	.00039	.00347
%RSD	.29112	.45559	.27242	.91522	.16855	.39258	.67890	.48672	.39377	.72142
#1	.05230	1.7944	1.0245	1.0739	1.9617	.04585	2.0780	45.184	.09963	.48332
#2	.05209	1.7828	1.0205	1.0601	1.9664	.04611	2.0581	45.496	.09907	.47841
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit							.10000			
Low Limit							-.10000			

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.19758**	**.26662**	**.96553**	**49.384**	**.97365**	**47.698**	**.51951**	**1.0057**	**207.98**	**.47659**
Stddev	.00109	.00050	.00698	.070	.00381	.074	.00004	.0073	.41	.00268
%RSD	.55223	.18658	.72261	.14188	.39180	.15413	.00804	.72817	.19543	.56260
#1	.19835	.26626	.96059	49.335	.97095	47.646	.51954	1.0109	207.70	.47848
#2	.19681	.26697	.97046	49.434	.97634	47.750	.51949	1.0005	208.27	.47469
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **9.7996**	**.47540**	**18.189**	**.48808**	**2.0414**	**12.379**	**26.491**	**1.9394**	**.98849**	**1.0272**
Stddev	.0938	.00616	.146	.00587	.0200	.051	.109	.0138	.00132	.0043
%RSD	.95666	1.2947	.80003	1.2020	.97959	.40975	.40975	.71090	.13336	.41345
#1	9.8659	.47976	18.292	.49223	2.0555	12.343	26.414	1.9492	.98756	1.0302
#2	9.7333	.47105	18.087	.48393	2.0272	12.415	26.568	1.9297	.98942	1.0242
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	2.0000									
Low Limit	-1.0000									

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.98746**	**1.9007**	**2.2135**	**.49978**	**.46346**	**.47796**
Stddev	.00012	.0281	.0228	.00026	.00033	.00090
%RSD	.01195	1.4773	1.0306	.05193	.07173	.18867
#1	.98754	1.9206	2.1973	.49996	.46322	.47860
#2	.98737	1.8809	2.2296	.49960	.46369	.47733
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**3311.4**	**52638.**	**6440.8**
Stddev	3.0	35.	33.9
%RSD	.08945	.06679	.52619
#1	3313.5	52613.	6464.8
#2	3309.3	52662.	6416.8

Sample Name: 280-28270-i-10-a Acquired: 5/3/2012 22:43:16 Type: Unk
Method: 6500_025(v2) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 117807 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00015**	**.01148**	**-.00250**	**.10386**	**.01732**	**.00005**	**-.00264**	**.88493**	**.00018**	**.00015**
Stddev	.00034	.00004	.00545	.00022	.00040	.00002	.00308	.00378	.00006	.00004
%RSD	220.25	.30879	218.35	.21660	2.2900	47.489	116.54	.42667	31.832	25.426
#1	.00039	.01151	.00136	.10402	.01760	.00007	-.00046	.88760	.00022	.00018
#2	-.00009	.01146	-.00635	.10370	.01704	.00003	-.00482	.88226	.00014	.00013
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00010**	**.00076**	**.09469**	**.73557**	**.03069**	**.35610**	**.00999**	**.00441**	**159.79**	**.00026**
Stddev	.00016	.00002	.00036	.02900	.00197	.00515	.00005	.00088	.70	.00028
%RSD	161.57	2.6499	.38006	3.9426	6.4190	1.4471	.47076	19.936	.43899	105.41
#1	.00022	.00078	.09495	.75607	.02930	.35974	.00995	.00378	159.29	.00007
#2	-.00001	.00075	.09444	.71506	.03208	.35246	.01002	.00503	160.29	.00046
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01754**	**-.00041**	**17.950**	**-.00171**	**.00001**	**3.4312**	**7.3427**	**.00020**	**.00645**	**.00089**
Stddev	.00033	.00186	.094	.00030	.00162	.0012	.0025	.00071	.00022	.00012
%RSD	1.8738	455.14	.52472	17.299	17288.	.03361	.03361	361.65	3.4040	13.701
#1	.01777	-.00172	17.884	-.00150	.00116	3.4304	7.3410	-.00031	.00661	.00098
#2	.01731	.00091	18.017	-.00192	-.00114	3.4320	7.3445	.00070	.00630	.00081
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00065**	**-.00073**	**-.00786**	**.00011**	**.00469**	**.00116**
Stddev	.00041	.00044	.01061	.00015	.00059	.00232
%RSD	62.479	60.598	135.08	132.77	12.606	199.80
#1	.00094	-.00104	-.00035	.00001	.00427	.00281
#2	.00036	-.00041	-.01536	.00022	.00511	-.00048
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**3410.5**	**54364.**	**6465.0**
Stddev	5.8	207.	41.0
%RSD	.17022	.38101	.63391
#1	3414.6	54218.	6493.9
#2	3406.4	54511.	6436.0

Sample Name: CCVH-1390999 Acquired: 5/3/2012 22:45:37 Type: QC
Method: 6500_025(v2) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00079**	**47.253**	**-.00143**	**.00370**	**.00084**	**.00004**	**1.0048**	**.01281**	**.00013**	**.00042**	**.00038**	**-.00327**
Stddev	.00063	.074	.00585	.00037	.00000	.00000	.0003	.00102	.00005	.00010	.00010	.00010
%RSD	80.133	.15562	410.07	9.9513	.14288	1.6524	.02803	7.9820	39.518	24.639	24.877	2.9402
#1	-.00034	47.305	.00271	.00344	.00084	.00003	1.0050	.01353	.00009	.00049	.00045	-.00321
#2	-.00123	47.201	-.00556	.00397	.00084	.00004	1.0046	.01209	.00017	.00034	.00032	-.00334
Check ?	None	Chk Pass	None	None	None	None	Chk Pass	None	None	None	None	None
Value												
Range												

Elem	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316	P_1782	Pb2203	S_1820	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**47.331**	**.11423**	**.00301**	**-.02522**	**.00020**	**-.00046**	**242.01**	**.00133**	**.00282**	**-.00087**	**4.9324**	**-.00239**
Stddev	.247	.01697	.00057	.00223	.00002	.00010	.22	.00033	.00068	.00016	.0165	.00090
%RSD	.52285	14.858	19.056	8.8439	10.745	20.952	.09208	24.618	24.079	18.143	.33556	37.582
#1	47.156	.12623	.00261	-.02364	.00022	-.00053	241.85	.00156	.00330	-.00098	4.9441	-.00176
#2	47.506	.10223	.00342	-.02679	.00019	-.00039	242.17	.00110	.00234	-.00076	4.9207	-.00303
Check ?	Chk Pass	None	None	None	None	None	Chk Pass	None	None	None	Chk Pass	None
Value												
Range												

Elem	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00242**	**.03817**	**.08167**	**.00167**	**.00051**	**5.0766**	**.00796**	**-.00179**	W **10.707**	**-.00405**	**.00276**	**-.04264**
Stddev	.00049	.00208	.00446	.00022	.00008	.0075	.00048	.00026	.048	.00004	.00036	.00020
%RSD	20.153	5.4616	5.4616	13.086	14.924	.14686	6.0149	14.522	.45182	.95446	13.040	.47185
#1	.00207	.03964	.08483	.00151	.00056	5.0819	.00762	-.00197	10.741	-.00403	.00301	-.04250
#2	.00276	.03669	.07852	.00182	.00045	5.0714	.00830	-.00161	10.673	-.00408	.00250	-.04278
Check ?	None	None	None	None	None	Chk Pass	None	None	Chk Warn	None	None	None
Value									10.000			
Range									5.0000%			

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**3422.1**	**53970.**	**6477.2**
Stddev	3.0	90.	2.7
%RSD	.08874	.16730	.04112
#1	3419.9	54034.	6475.3
#2	3424.2	53906.	6479.1

Sample Name: CCV-1390955 Acquired: 5/3/2012 22:47:56 Type: QC
Method: 6500_025(v2) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.51749**	**.48949**	**1.0077**	**.49185**	**.49846**	**.46551**	**-.00444**	**4.5806**	**.50213**	**.50079**	**.50453**	**.54170**	**2.4821**
Stddev	.00368	.00016	.0063	.00081	.00079	.00086	.00050	.0186	.00065	.00031	.00169	.00310	.0040
%RSD	.71146	.03368	.62150	.16393	.15857	.18557	11.302	.40665	.12904	.06175	.33550	.57229	.16159
#1	.51488	.48961	1.0033	.49128	.49901	.46490	-.00409	4.5675	.50167	.50057	.50333	.53950	2.4850
#2	.52009	.48937	1.0121	.49242	.49790	.46612	-.00480	4.5938	.50259	.50101	.50572	.54389	2.4793
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**48.906**	**.95270**	**19.631**	**.51629**	**.50611**	**4.7905**	**.49606**	**.95264**	**1.0224**	**.00533**	**.98842**	**1.0069**	**4.5709**
Stddev	.051	.00126	.182	.00368	.00140	.0293	.00018	.00408	.0015	.00133	.00429	.0055	.0019
%RSD	.10413	.13266	.92858	.71296	.27564	.61154	.03599	.42871	.15029	24.844	.43382	.54287	.04039
#1	48.942	.95360	19.502	.51368	.50512	4.8113	.49619	.94975	1.0213	.00440	.98539	1.0031	4.5696
#2	48.870	.95181	19.760	.51889	.50710	4.7698	.49593	.95553	1.0235	.00627	.99145	1.0108	4.5723
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**9.7818**	**1.0006**	**.49528**	**.00092**	**.49336**	**1.0183**	**-.00099**	**.50052**	**.46797**	**.50141**
Stddev	.0040	.0023	.00001	.00136	.00432	.0037	.00461	.00333	.00225	.00080
%RSD	.04039	.22622	.00177	147.89	.87520	.35925	467.51	.66516	.48087	.15929
#1	9.7790	.99899	.49527	.00188	.49031	1.0157	.00227	.49817	.46638	.50198
#2	9.7846	1.0022	.49528	-.00004	.49641	1.0209	-.00425	.50288	.46956	.50085
Check ?	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value										
Range										

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**3487.4**	**55570.**	**6533.8**
Stddev	1.3	339.	.9
%RSD	.03776	.60980	.01414
#1	3486.4	55809.	6534.5
#2	3488.3	55330.	6533.2

Sample Name: CCB Acquired: 5/3/2012 22:50:08 Type: QC
Method: 6500_025(v2) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00037**	**.00061**	**-.00031**	**.00128**	**.00043**	**.00034**	**-.00107**	**.00144**	**.00007**	**.00003**	**-.00012**	**-.00030**
Stddev	.00027	.00027	.00207	.00072	.00008	.00021	.00243	.00026	.00001	.00008	.00009	.00025
%RSD	72.178	43.531	661.35	55.984	18.976	59.601	225.92	18.393	9.6375	250.83	70.034	81.678
#1	.00056	.00080	-.00178	.00077	.00049	.00049	-.00279	.00163	.00007	.00008	-.00006	-.00013
#2	.00018	.00043	.00115	.00179	.00037	.00020	.00064	.00125	.00008	-.00002	-.00018	-.00048
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit												
Low Limit												

Elem	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01236**	**.09652**	**.00180**	**.00103**	**.00008**	**.00076**	W **.15347**	**.00017**	**.00189**	**-.00079**	**.00181**	**.00071**
Stddev	.00759	.00106	.00095	.00052	.00000	.00029	.05717	.00019	.00131	.00114	.00477	.00137
%RSD	61.445	1.0932	53.145	50.329	1.4408	38.326	37.253	108.51	69.381	144.56	264.07	192.33
#1	.01773	.09577	.00247	.00139	.00008	.00055	.19389	.00031	.00097	-.00160	-.00157	-.00026
#2	.00699	.09726	.00112	.00066	.00008	.00097	.11304	.00004	.00282	.00002	.00518	.00169
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							.09160					
Low Limit							-.09160					

Elem	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00008**	**.02984**	**.06386**	**.00009**	W **.00035**	**.00026**	**.00037**	**-.00160**	**.01846**	**-.00008**	**.00334**	**.00027**
Stddev	.00144	.01358	.02906	.00062	.00028	.00113	.00006	.00256	.01178	.00032	.00029	.00172
%RSD	1866.8	45.510	45.510	666.01	78.011	439.38	15.792	159.63	63.791	380.57	8.6419	631.94
#1	-.00109	.02024	.04331	.00053	.00055	.00105	.00033	.00021	.01013	-.00031	.00355	-.00094
#2	.00094	.03944	.08441	-.00035	.00016	-.00054	.00041	-.00341	.02679	.00014	.00314	.00149
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					.00030							
Low Limit					-.00030							

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**3530.9**	**56707.**	**6516.1**
Stddev	.2	43.	9.3
%RSD	.00439	.07559	.14262
#1	3531.0	56677.	6509.5
#2	3530.8	56738.	6522.6

Sample Name: CCVL1397430 Acquired: 5/3/2012 22:52:34 Type: QC
Method: 6500_025(v2) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01090**	**.09974**	F **.00631**	**.09715**	**.00997**	**.00095**	**.10767**	**.18043**	**.00521**	**.01041**	**.01014**	**.01579**	**.09953**
Stddev	.00006	.00055	.00352	.00127	.00010	.00005	.00008	.00084	.00003	.00000	.00015	.00067	.00148
%RSD	.54722	.54763	55.813	1.3032	1.0211	5.7830	.07833	.46430	.62423	.03504	1.5069	4.2297	1.4846
#1	.01094	.09935	.00879	.09625	.01005	.00099	.10761	.17984	.00524	.01041	.01004	.01626	.09849
#2	.01086	.10012	.00382	.09804	.00990	.00091	.10773	.18103	.00519	.01042	.01025	.01532	.10058
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value			.01500										
Range			-30.000%										

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**3.0250**	**.01116**	**.20065**	**.01058**	**.02034**	**1.0196**	**.04028**	**2.7496**	**.00826**	**.00480**	**.00881**	**.01145**	**.46269**
Stddev	.0316	.00169	.00047	.00006	.00019	.0005	.00019	.0103	.00020	.00315	.00054	.00255	.00661
%RSD	1.0456	15.114	.23398	.53089	.95791	.04798	.47788	.37345	2.4638	65.558	6.1078	22.283	1.4281
#1	3.0026	.01236	.20031	.01062	.02020	1.0193	.04014	2.7423	.00841	.00703	.00843	.00965	.45802
#2	3.0474	.00997	.20098	.01054	.02047	1.0200	.04042	2.7568	.00812	.00258	.00919	.01326	.46737
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.99017**	**.10199**	**.01000**	**.01544**	**.01018**	**.01557**	**.06925**	**.00965**	**.02253**	**.01635**
Stddev	.01414	.00008	.00004	.00078	.00022	.00066	.01180	.00036	.00032	.00075
%RSD	1.4281	.08171	.42951	5.0770	2.1390	4.2200	17.042	3.6863	1.4230	4.6054
#1	.98017	.10193	.01003	.01599	.01033	.01604	.06090	.00940	.02276	.01689
#2	1.0002	.10205	.00997	.01489	.01002	.01511	.07759	.00990	.02231	.01582
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value										
Range										

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**3544.1**	**56547.**	**6523.1**
Stddev	1.8	343.	6.2
%RSD	.05147	.60610	.09471
#1	3542.8	56304.	6518.7
#2	3545.4	56789.	6527.4

Sample Name: 280-28273-d-1-a Acquired: 5/3/2012 22:54:57 Type: Unk
Method: 6500_025(v2) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 117807 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00047**	**.00753**	**.01700**	**.01014**	**.13843**	**.00008**	**-.00645**	**3.5529**	**.00025**	**.00020**
Stddev	.00048	.00002	.00004	.00050	.00055	.00006	.00025	.0060	.00007	.00028
%RSD	102.97	.25092	.25915	4.9716	.39796	82.509	3.8229	.17034	27.437	138.37
#1	.00013	.00755	.01703	.00979	.13882	.00012	-.00662	3.5572	.00020	.00040
#2	.00081	.00752	.01697	.01050	.13804	.00003	-.00627	3.5486	.00029	.00000
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00017**	**.00047**	**6.6494**	**1.3436**	**.00707**	**3.4868**	**.05134**	**.00003**	**29.226**	**.00011**
Stddev	.00001	.00003	.0107	.0066	.00093	.0006	.00034	.00037	.245	.00036
%RSD	5.0516	5.9706	.16049	.49186	13.163	.01719	.66120	1375.4	.83981	315.49
#1	.00017	.00045	6.6418	1.3389	.00772	3.4864	.05110	-.00024	29.052	-.00014
#2	.00018	.00049	6.6569	1.3483	.00641	3.4872	.05158	.00029	29.399	.00037
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.10946**	**.00080**	**.35959**	**-.00131**	**-.00240**	**34.135**	**73.049**	**-.00038**	**.11375**	**.00110**
Stddev	.00245	.00117	.00481	.00119	.00005	.011	.024	.00052	.00014	.00216
%RSD	2.2358	147.03	1.3381	90.870	2.0793	.03269	.03269	139.87	.12387	196.72
#1	.11119	-.00003	.35619	-.00047	-.00237	34.127	73.032	.00000	.11365	-.00043
#2	.10773	.00163	.36299	-.00215	-.00244	34.143	73.066	-.00075	.11385	.00263
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00004**	**-.00085**	**-.02028**	**-.00043**	**.00373**	**-.00007**
Stddev	.00014	.00046	.02344	.00012	.00005	.00020
%RSD	336.80	54.272	115.57	27.714	1.3723	296.67
#1	-.00014	-.00052	-.00371	-.00034	.00377	-.00020
#2	.00006	-.00117	-.03685	-.00051	.00370	.00007
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**3552.0**	**56734.**	**6592.1**
Stddev	16.8	94.	35.5
%RSD	.47386	.16584	.53927
#1	3540.1	56800.	6567.0
#2	3563.9	56667.	6617.3

Sample Name: 280-28273-d-2-a Acquired: 5/3/2012 22:57:20 Type: Unk
Method: 6500_025(v2) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 117807 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00058**	**.13044**	**-.00166**	**.01048**	**.04453**	**.00038**	**-.00617**	**.74415**	**.00026**	**.00020**
Stddev	.00019	.00249	.00129	.00033	.00011	.00005	.00113	.00273	.00035	.00002
%RSD	32.783	1.9089	77.990	3.1400	.24366	14.399	18.252	.36666	134.37	12.265
#1	.00072	.12868	-.00257	.01025	.04445	.00041	-.00537	.74608	.00051	.00022
#2	.00045	.13220	-.00074	.01071	.04460	.00034	-.00696	.74222	.00001	.00018
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Na8183
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	818.326 { 41}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00081**	**.00267**	**.07941**	**1.2679**	**.00744**	**.67637**	**.00811**	**-.00001**	**9.9160**	**11.426**
Stddev	.00002	.00006	.00028	.0049	.00030	.00449	.00001	.00016	.0090	.056
%RSD	2.0782	2.3383	.35707	.38943	3.9982	.66403	.11501	1756.5	.09068	.49200
#1	.00082	.00263	.07921	1.2713	.00765	.67320	.00812	.00011	9.9096	11.466
#2	.00080	.00272	.07961	1.2644	.00723	.67955	.00811	-.00013	9.9223	11.387
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077
Line	231.604 {446}	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00078**	**.01587**	**.00147**	**.70831**	**-.00227**	**-.00463**	**32.635**	**69.840**	**-.00024**	**.02840**
Stddev	.00033	.00107	.00023	.00645	.00058	.00110	.103	.220	.00100	.00013
%RSD	41.956	6.7439	15.757	.91070	25.586	23.836	.31513	.31513	422.09	.44761
#1	.00055	.01512	.00131	.71287	-.00186	-.00541	32.563	69.684	.00047	.02831
#2	.00101	.01663	.00164	.70375	-.00268	-.00385	32.708	69.996	-.00095	.02849
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	283.730 {119}	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00014**	**.00150**	**-.00154**	**-.00574**	**.00042**	**.01166**	**.00136**
Stddev	.00176	.00039	.00168	.04194	.00032	.00025	.00142
%RSD	1251.7	26.336	108.76	730.73	75.406	2.1400	104.22
#1	.00110	.00122	-.00036	-.03539	.00064	.01148	.00036
#2	-.00139	.00177	-.00273	.02392	.00020	.01184	.00237
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**3532.8**	**56723.**	**6502.7**
Stddev	13.9	33.	20.9
%RSD	.39257	.05901	.32076
#1	3523.0	56747.	6517.4
#2	3542.6	56700.	6487.9

Sample Name: 280-28273-d-3-a Acquired: 5/3/2012 22:59:44 Type: Unk
Method: 6500_025(v2) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 117807 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00048	.00684	-.00263	.00803	.04810	.00028	-.00449	1.0226	.00017	.00162
Stddev	.00046	.00003	.00240	.00014	.00025	.00000	.00203	.0051	.00023	.00000
%RSD	95.812	.37686	91.020	1.7410	.51086	.10331	45.184	.50159	136.05	.09764
#1	.00016	.00686	-.00433	.00793	.04793	.00028	-.00592	1.0262	.00001	.00162
#2	.00081	.00683	-.00094	.00813	.04828	.00028	-.00305	1.0189	.00033	.00162
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00012	-.00012	.02026	1.6119	.00476	.88568	.00503	-.00022	7.2275	.00213
Stddev	.00029	.00038	.00134	.0203	.00029	.00113	.00003	.00017	.0381	.00007
%RSD	253.71	309.59	6.6341	1.2586	6.1097	.12799	.64062	76.234	.52772	3.1127
#1	.00032	-.00040	.01931	1.6263	.00497	.88488	.00505	-.00034	7.2006	.00209
#2	-.00009	.00015	.02122	1.5976	.00456	.88648	.00500	-.00010	7.2545	.00218
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00929	.00034	.32324	-.00226	-.00244	20.815	44.545	-.00046	.03359	.00041
Stddev	.00145	.00083	.00220	.00271	.00289	.074	.159	.00015	.00004	.00166
%RSD	15.571	242.66	.68173	120.00	118.42	.35736	.35736	32.936	.13090	404.15
#1	.00827	-.00025	.32168	-.00034	-.00040	20.868	44.658	-.00036	.03362	-.00076
#2	.01032	.00093	.32480	-.00418	-.00448	20.763	44.432	-.00057	.03355	.00158
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00011	-.00225	.00972	-.00022	.00653	.00220
Stddev	.00024	.00033	.03168	.00005	.00014	.00149
%RSD	230.88	14.827	325.89	23.605	2.1277	67.862
#1	-.00007	-.00249	.03213	-.00018	.00643	.00326
#2	.00028	-.00202	-.01268	-.00025	.00663	.00115
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	3540.0	56471.	6506.5
Stddev	8.3	222.	8.7
%RSD	.23327	.39390	.13350
#1	3545.8	56628.	6500.3
#2	3534.1	56314.	6512.6

Sample Name: 280-28273-d-4-a Acquired: 5/3/2012 23:02:08 Type: Unk
Method: 6500_025(v2) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 117807 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00026**	**.00567**	**-.00196**	**.00994**	**.02789**	**.00010**	**-.00500**	**.95010**	**.00012**	**-.00018**
Stddev	.00045	.00079	.00086	.00075	.00067	.00013	.00038	.02972	.00009	.00015
%RSD	176.59	13.849	43.782	7.5577	2.4171	130.06	7.5520	3.1281	73.973	84.020
#1	.00058	.00512	-.00257	.00941	.02836	.00001	-.00527	.97111	.00018	-.00007
#2	-.00006	.00623	-.00135	.01047	.02741	.00019	-.00474	.92908	.00006	-.00029
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00173**	**.00003**	**.00891**	**1.5661**	**.00610**	**.54770**	**.00158**	**-.00027**	**6.3338**	**.00019**
Stddev	.00012	.00030	.00232	.0285	.00093	.00123	.00002	.00015	.1984	.00005
%RSD	7.2099	1145.7	26.048	1.8186	15.197	.22523	.94852	57.780	3.1330	27.406
#1	.00164	.00024	.00727	1.5862	.00545	.54683	.00157	-.00016	6.4741	.00023
#2	.00182	-.00019	.01055	1.5460	.00676	.54857	.00159	-.00038	6.1935	.00016
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01593**	**-.00063**	**.60495**	**-.00116**	**-.00072**	**20.703**	**44.304**	**-.00078**	**.04227**	**.00123**
Stddev	.00049	.00194	.00266	.00036	.00125	.567	1.214	.00009	.00104	.00110
%RSD	3.0558	306.71	.44010	31.050	173.36	2.7401	2.7401	11.274	2.4650	89.502
#1	.01558	-.00201	.60306	-.00142	.00016	21.104	45.163	-.00085	.04300	.00201
#2	.01627	.00074	.60683	-.00091	-.00161	20.302	43.446	-.00072	.04153	.00045
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00003**	**-.00091**	**.00903**	**-.00022**	**.00411**	**.00108**
Stddev	.00032	.00122	.02304	.00015	.00045	.00088
%RSD	1166.1	134.51	255.12	67.771	11.029	81.996
#1	-.00020	-.00178	.02532	-.00011	.00379	.00045
#2	.00025	-.00004	-.00726	-.00032	.00444	.00170
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**3564.8**	**56878.**	**6433.3**
Stddev	21.3	117.	165.7
%RSD	.59821	.20641	2.5757
#1	3579.9	56961.	6316.1
#2	3549.7	56795.	6550.5

Sample Name: 280-28326-g-1-a Acquired: 5/3/2012 23:04:31 Type: Unk
Method: 6500_025(v2) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 117807 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00068**	**.01178**	**-.00401**	**.06654**	**.05328**	**.00000**	**-.00543**	**104.47**	**.00074**	**-.00012**
Stddev	.00002	.00025	.00137	.00016	.00041	.00003	.00213	.27	.00000	.00011
%RSD	3.0103	2.1140	34.052	.24762	.77604	743.92	39.241	.25811	.16118	89.980
#1	.00069	.01160	-.00498	.06643	.05299	-.00002	-.00393	104.66	.00074	-.00020
#2	.00066	.01196	-.00304	.06666	.05358	.00003	-.00694	104.28	.00074	-.00004
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00047**	**.00094**	**.01175**	**2.7421**	**.00768**	**55.837**	**.03209**	**.00058**	**17.914**	**.00113**
Stddev	.00004	.00008	.00006	.0301	.00021	.282	.00020	.00014	.110	.00024
%RSD	9.2618	8.8176	.49538	1.0991	2.7063	.50416	.62681	23.594	.61198	21.086
#1	.00050	.00089	.01179	2.7208	.00783	56.036	.03223	.00067	17.837	.00130
#2	.00044	.00100	.01171	2.7635	.00753	55.638	.03195	.00048	17.992	.00096
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00826**	**-.00004**	**41.160**	**-.00210**	**-.00076**	**7.2015**	**15.411**	**-.00156**	**.16466**	**.00052**
Stddev	.00268	.00070	.042	.00090	.00165	.0377	.081	.00012	.00042	.00023
%RSD	32.471	1645.0	.10297	42.897	217.47	.52321	.52321	7.9885	.25582	45.061
#1	.01016	.00045	41.190	-.00147	-.00193	7.2282	15.468	-.00148	.16496	.00069
#2	.00636	-.00054	41.130	-.00274	.00041	7.1749	15.354	-.00165	.16436	.00035
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00033**	**-.00139**	**-.00438**	**.00039**	**.00544**	**.00082**
Stddev	.00030	.00110	.01571	.00010	.00030	.00003
%RSD	88.886	79.198	359.09	26.058	5.5597	3.7317
#1	.00054	-.00217	.00673	.00032	.00522	.00084
#2	.00012	-.00061	-.01549	.00047	.00565	.00080
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**3372.8**	**53828.**	**6408.9**
Stddev	3.3	411.	37.4
%RSD	.09653	.76357	.58371
#1	3375.1	53537.	6382.5
#2	3370.5	54118.	6435.4

Sample Name: 280-28326-g-2-a Acquired: 5/3/2012 23:06:53 Type: Unk
Method: 6500_025(v2) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 117807 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00044**	**.00611**	**-.00409**	**.13194**	**.04459**	**.00001**	**-.00369**	**122.50**	**.00061**	**.01922**
Stddev	.00002	.00006	.00339	.00092	.00007	.00001	.00185	.06	.00012	.00000
%RSD	5.6261	.94928	82.895	.70071	.16728	74.135	50.005	.04583	19.822	.00453
#1	.00045	.00616	-.00648	.13128	.04454	.00000	-.00239	122.46	.00069	.01922
#2	.00042	.00607	-.00169	.13259	.04464	.00001	-.00500	122.54	.00052	.01922
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00781**	**.00182**	**1.5299**	**3.3791**	**.01182**	**54.650**	**.20311**	**.00092**	**49.223**	**1.3546**
Stddev	.00018	.00030	.0056	.0487	.00099	.334	.00085	.00017	.336	.0074
%RSD	2.2995	16.485	.36276	1.4408	8.3636	.61054	.41906	18.110	.68274	.54424
#1	.00768	.00203	1.5338	3.3447	.01252	54.414	.20250	.00104	48.985	1.3494
#2	.00793	.00161	1.5259	3.4135	.01112	54.886	.20371	.00081	49.461	1.3598
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00443**	**-.00030**	**36.237**	**-.00099**	**-.00135**	**6.7875**	**14.525**	**-.00100**	**.22695**	**.00122**
Stddev	.00181	.00192	.185	.00293	.00203	.0131	.028	.00002	.00016	.00059
%RSD	40.830	648.76	.51134	295.58	149.99	.19227	.19227	2.2630	.07198	48.113
#1	.00315	.00106	36.106	-.00306	-.00278	6.7967	14.545	-.00098	.22706	.00081
#2	.00570	-.00165	36.368	.00108	.00008	6.7782	14.505	-.00102	.22683	.00164
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00027**	**-.00083**	**-.00048**	**.00015**	**.00587**	**-.00022**
Stddev	.00008	.00148	.01458	.00038	.00023	.00058
%RSD	30.157	178.57	3015.6	245.13	3.9665	267.30
#1	.00033	-.00188	-.01079	.00042	.00571	.00019
#2	.00021	.00022	.00982	-.00011	.00604	-.00062
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**3325.8**	**53599.**	**6435.5**
Stddev	5.7	285.	18.6
%RSD	.17063	.53082	.28825
#1	3329.8	53800.	6448.7
#2	3321.8	53398.	6422.4

Sample Name: 280-28326-g-3-a Acquired: 5/3/2012 23:09:14 Type: Unk
Method: 6500_025(v2) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 117807 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00041**	**.00574**	**.00103**	**.05231**	**.05476**	**.00009**	**-.00645**	**201.02**	**.00079**	**.00024**
Stddev	.00006	.00024	.00265	.00054	.00046	.00002	.00264	2.75	.00016	.00014
%RSD	15.865	4.1665	256.96	1.0345	.84759	17.443	40.938	1.3692	19.721	56.226
#1	.00045	.00558	-.00084	.05269	.05443	.00010	-.00832	199.07	.00068	.00015
#2	.00036	.00591	.00291	.05193	.05509	.00008	-.00458	202.96	.00091	.00034
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00251**	**.00180**	**.01588**	**2.9777**	**.01969**	**100.77**	**.87697**	**.00129**	**13.608**	**.00728**
Stddev	.00016	.00063	.00148	.0089	.00101	.15	.00067	.00040	.136	.00026
%RSD	6.3096	35.113	9.3346	.29783	5.1162	.14994	.07607	30.727	1.0001	3.6221
#1	.00240	.00225	.01693	2.9715	.02040	100.87	.87744	.00101	13.512	.00746
#2	.00263	.00135	.01483	2.9840	.01897	100.66	.87650	.00157	13.704	.00709
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.05518**	**.00085**	**94.596**	**-.00130**	**-.00355**	**9.1309**	**19.540**	**-.00108**	**.33209**	**-.00100**
Stddev	.00349	.00075	.027	.00380	.00147	.0399	.085	.00063	.00152	.00064
%RSD	6.3287	88.475	.02831	291.77	41.501	.43707	.43707	58.304	.45681	63.378
#1	.05765	.00139	94.615	-.00399	-.00251	9.1027	19.480	-.00063	.33102	-.00145
#2	.05271	.00032	94.577	.00138	-.00459	9.1591	19.601	-.00152	.33316	-.00055
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00025**	**-.00137**	**.01008**	**.00074**	**.00645**	**.00163**
Stddev	.00009	.00020	.00449	.00040	.00031	.00090
%RSD	37.801	14.959	44.537	54.547	4.8115	55.640
#1	.00031	-.00122	.01326	.00045	.00667	.00099
#2	.00018	-.00151	.00691	.00102	.00623	.00227
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**3258.5**	**52341.**	**6297.6**
Stddev	8.2	182.	11.5
%RSD	.25180	.34758	.18232
#1	3252.7	52470.	6305.7
#2	3264.3	52212.	6289.5

Sample Name: 280-28326-g-4-a Acquired: 5/3/2012 23:11:42 Type: Unk
Method: 6500_025(v2) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 117807 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00004**	**.00776**	**-.00288**	**.08920**	**.09114**	**.00003**	**-.00446**	**120.62**	**.00049**	**-.00003**
Stddev	.00011	.00032	.00218	.00063	.00026	.00001	.00073	.11	.00002	.00014
%RSD	302.94	4.1867	75.763	.71144	.28800	45.411	16.311	.09316	4.8604	551.22
#1	.00011	.00799	-.00134	.08965	.09095	.00004	-.00498	120.70	.00051	-.00013
#2	-.00004	.00753	-.00442	.08875	.09132	.00002	-.00395	120.54	.00047	.00008
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00119**	**.00089**	**.01681**	**4.4580**	**.00994**	**54.921**	**.00234**	**.00069**	**37.188**	**.27612**
Stddev	.00009	.00004	.00189	.0330	.00019	.037	.00004	.00026	.042	.00122
%RSD	7.7740	4.6312	11.241	.73970	1.9420	.06705	1.5936	36.846	.11394	.44042
#1	.00126	.00092	.01548	4.4347	.00980	54.947	.00237	.00051	37.218	.27698
#2	.00113	.00086	.01815	4.4813	.01007	54.895	.00232	.00088	37.158	.27526
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01411**	**-.00202**	**22.609**	**-.00032**	**-.00044**	**6.5357**	**13.986**	**-.00101**	**.18938**	**-.00015**
Stddev	.00266	.00069	.093	.00056	.00078	.0046	.010	.00046	.00002	.00126
%RSD	18.849	34.119	.41027	174.77	177.50	.07071	.07071	45.036	.01243	822.02
#1	.01223	-.00251	22.674	.00008	-.00100	6.5324	13.979	-.00069	.18940	.00074
#2	.01599	-.00153	22.543	-.00071	.00011	6.5389	13.993	-.00134	.18936	-.00104
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00014**	**-.00031**	**.00747**	**.00017**	**.00514**	**-.00007**
Stddev	.00009	.00024	.00063	.00037	.00029	.00046
%RSD	66.019	77.823	8.4621	220.34	5.7058	633.79
#1	.00020	-.00014	.00792	-.00009	.00493	-.00040
#2	.00007	-.00048	.00702	.00043	.00535	.00025
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**3340.5**	**53467.**	**6486.7**
Stddev	6.4	50.	30.1
%RSD	.19136	.09396	.46396
#1	3336.0	53502.	6465.4
#2	3345.0	53431.	6508.0

Sample Name: CCVH-1390999 Acquired: 5/3/2012 23:14:04 Type: QC
Method: 6500_025(v2) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00110**	**46.815**	**-.00106**	**.00248**	**.00043**	**.00003**	**.99148**	**.05305**	**-.00001**	**.00034**	**.00048**	**-.00354**
Stddev	.00066	.100	.00156	.00017	.00010	.00001	.00449	.00481	.00008	.00005	.00012	.00015
%RSD	59.611	.21382	146.90	6.8429	23.758	50.741	.45321	9.0622	555.42	15.226	24.771	4.1432
#1	-.00064	46.886	.00004	.00260	.00051	.00004	.99465	.05645	-.00007	.00031	.00057	-.00344
#2	-.00157	46.744	-.00217	.00236	.00036	.00002	.98830	.04965	.00004	.00038	.00040	-.00365
Check ?	None	Chk Pass	None	None	None	None	Chk Pass	None	None	None	None	None
Value												
Range												

Elem	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316	P_1782	Pb2203	S_1820	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**47.037**	**.11841**	**.00141**	**-.01767**	**.00016**	**-.00045**	**238.91**	**.00149**	**.00412**	**.00005**	**4.9075**	**-.00120**
Stddev	.101	.00822	.00258	.00431	.00003	.00010	.91	.00019	.00053	.00045	.0098	.00119
%RSD	.21550	6.9448	182.32	24.412	21.057	21.975	.38132	12.969	12.863	936.34	.19888	99.679
#1	47.108	.12422	.00324	-.01462	.00018	-.00038	239.55	.00135	.00375	-.00027	4.9144	-.00204
#2	46.965	.11259	-.00041	-.02072	.00013	-.00052	238.26	.00163	.00450	.00036	4.9006	-.00035
Check ?	Chk Pass	None	None	None	None	None	Chk Pass	None	None	None	Chk Pass	None
Value												
Range												

Elem	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00180**	**.04395**	**.09405**	**.00246**	**.00038**	**5.0882**	**.00743**	**-.00440**	W **10.665**	**-.00377**	**.00311**	**-.04908**
Stddev	.00371	.01343	.02875	.00042	.00004	.0132	.00041	.00152	.116	.00051	.00049	.00276
%RSD	205.84	30.566	30.566	17.297	9.5706	.25835	5.5412	34.481	1.0833	13.513	15.780	5.6217
#1	-.00443	.05345	.11438	.00276	.00035	5.0789	.00713	-.00547	10.583	-.00413	.00276	-.04713
#2	.00082	.03445	.07372	.00216	.00040	5.0975	.00772	-.00333	10.747	-.00341	.00346	-.05103
Check ?	None	None	None	None	None	Chk Pass	None	None	Chk Warn	None	None	None
Value									10.000			
Range									5.0000%			

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**3422.9**	**53551.**	**6413.8**
Stddev	1.9	197.	53.6
%RSD	.05439	.36754	.83504
#1	3424.2	53690.	6375.9
#2	3421.6	53412.	6451.7

Sample Name: CCV-1390955 Acquired: 5/3/2012 23:16:23 Type: QC
Method: 6500_025(v2) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.51189**	**.49028**	**.98991**	**.48579**	**.49389**	**.46315**	**-.00296**	**4.6120**	**.49504**	**.49722**	**.49986**	**.52938**	**2.4559**
Stddev	.00146	.00069	.00150	.00079	.00281	.00215	.00018	.0309	.00210	.00107	.00166	.00151	.0161
%RSD	.28429	.14121	.15157	.16240	.56862	.46438	6.1991	.67066	.42502	.21494	.33270	.28459	.65434
#1	.51292	.49077	.99097	.48523	.49588	.46467	-.00309	4.6339	.49355	.49646	.49868	.53045	2.4673
#2	.51086	.48979	.98885	.48635	.49191	.46163	-.00283	4.5902	.49653	.49797	.50104	.52832	2.4446
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**48.429**	**.94994**	**19.562**	**.51123**	**.50035**	**4.7891**	**.49267**	**.94404**	**1.0149**	**.01056**	**.97532**	**1.0006**	**4.5948**
Stddev	.194	.00592	.073	.00226	.00035	.0471	.00007	.00084	.0029	.00006	.00820	.0016	.0311
%RSD	.40056	.62302	.37088	.44254	.06945	.98293	.01412	.08845	.28545	.61219	.84096	.16162	.67570
#1	48.566	.95413	19.613	.51283	.50010	4.8224	.49272	.94345	1.0128	.01051	.96952	.99944	4.6167
#2	48.292	.94576	19.511	.50963	.50059	4.7558	.49262	.94463	1.0169	.01061	.98112	1.0017	4.5728
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**9.8328**	**.99229**	**.48937**	**.00058**	**.49360**	**1.0085**	**.02237**	**.49881**	**.47002**	**.49371**
Stddev	.0664	.00532	.00229	.00191	.00092	.0036	.01874	.00240	.00299	.00560
%RSD	.67570	.53660	.46734	330.65	.18716	.36017	83.782	.48023	.63607	1.1336
#1	9.8798	.99605	.49099	-.00077	.49425	1.0059	.03562	.50050	.47214	.49767
#2	9.7858	.98852	.48776	.00193	.49294	1.0111	.00912	.49711	.46791	.48975
Check ?	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value										
Range										

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**3498.9**	**55430.**	**6420.6**
Stddev	4.3	56.	9.9
%RSD	.12215	.10180	.15397
#1	3501.9	55390.	6413.6
#2	3495.8	55470.	6427.6

Sample Name: CCB Acquired: 5/3/2012 23:18:35 Type: QC
Method: 6500_025(v2) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00053**	**.00063**	**-.00154**	**.00111**	**.00039**	**.00021**	**-.00005**	**.00389**	**.00019**	**.00005**	**.00012**
Stddev	.00025	.00087	.00145	.00036	.00013	.00000	.00219	.00114	.00013	.00015	.00006
%RSD	46.698	139.44	94.017	32.048	33.668	.56725	4411.2	29.275	68.544	294.83	53.195
#1	.00070	.00124	-.00052	.00136	.00030	.00021	.00150	.00469	.00010	-.00006	.00007
#2	.00035	.00001	-.00256	.00086	.00048	.00021	-.00160	.00308	.00028	.00016	.00016
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit											
Low Limit											

Elem	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00027**	**.00587**	**.09587**	**.00019**	**.00361**	**.00009**	**.00079**	**.08959**	**.00011**	**.00295**	**-.00072**
Stddev	.00018	.00130	.01065	.00149	.00091	.00001	.00036	.00399	.00032	.00180	.00024
%RSD	67.068	22.095	11.113	790.52	25.089	5.7335	45.265	4.4485	286.70	60.923	33.286
#1	-.00039	.00495	.10340	-.00087	.00297	.00009	.00054	.09241	-.00011	.00168	-.00055
#2	-.00014	.00679	.08833	.00124	.00425	.00009	.00104	.08677	.00034	.00423	-.00089
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit											
Low Limit											

Elem	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00216**	**.00080**	W **-.00668**	**.01982**	**.04241**	**.00039**	**.00014**	**.00024**	**.00027**	**-.00247**	**.01576**
Stddev	.00115	.00086	.00274	.00551	.01179	.00099	.00013	.00100	.00001	.00212	.00088
%RSD	53.274	107.23	41.068	27.797	27.797	256.66	94.574	422.74	1.9774	85.724	5.5518
#1	.00135	.00019	-.00474	.02371	.05075	.00109	.00023	.00094	.00028	-.00397	.01638
#2	.00298	.00141	-.00861	.01592	.03407	-.00032	.00004	-.00047	.00027	-.00097	.01514
Check ?	Chk Pass	Chk Pass	Chk Warn	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit			.00486								
Low Limit			-.00486								

Elem	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm
Avg	**.00011**	**.00276**	**.00106**
Stddev	.00030	.00024	.00070
%RSD	278.94	8.6452	66.609
#1	-.00010	.00293	.00056
#2	.00032	.00259	.00155
Check ?	Chk Pass	Chk Pass	Chk Pass
High Limit			
Low Limit			

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**3544.6**	**56295.**	**6348.0**
Stddev	7.6	90.	4.9
%RSD	.21376	.15915	.07747
#1	3550.0	56232.	6344.5
#2	3539.3	56359.	6351.4

Sample Name: CCVL1397430 Acquired: 5/3/2012 23:21:00 Type: QC
Method: 6500_025(v2) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599	K_7664
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01055**	**.10357**	**.01124**	**.09612**	**.01008**	**.00097**	**.10678**	**.18642**	**.00496**	**.01035**	**.01010**	**.01578**	**.10023**	**3.0393**
Stddev	.00040	.00053	.00391	.00052	.00007	.00000	.00060	.00099	.00004	.00041	.00005	.00012	.00168	.0115
%RSD	3.8050	.51367	34.761	.53745	.68372	.45508	.55999	.53071	.80710	3.9772	.50161	.77484	1.6729	.37707
#1	.01027	.10319	.01401	.09575	.01003	.00097	.10636	.18572	.00494	.01006	.01013	.01570	.10141	3.0312
#2	.01084	.10394	.00848	.09648	.01013	.00097	.10721	.18712	.00499	.01064	.01006	.01587	.09904	3.0474
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value														
Range														

Elem	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00990**	**.20414**	**.01066**	**.02013**	**1.0397**	**.04034**	**2.7385**	**.00851**	**.00425**	**.00704**	**.01229**	**.46279**	**.99037**	**.10118**
Stddev	.00122	.00033	.00003	.00016	.0087	.00023	.0003	.00046	.00519	.00005	.00422	.00679	.01453	.00127
%RSD	12.373	.16152	.30298	.81968	.83587	.56462	.01178	5.4063	122.10	.68388	34.362	1.4668	1.4668	1.2587
#1	.01076	.20391	.01063	.02001	1.0336	.04017	2.7383	.00883	.00058	.00708	.01527	.45799	.98010	.10208
#2	.00903	.20438	.01068	.02024	1.0459	.04050	2.7387	.00818	.00793	.00701	.00930	.46759	1.0006	.10028
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value														
Range														

Elem	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00994**	**.01568**	**.01006**	**.01353**	**.07653**	**.00966**	**.02219**	**.01579**
Stddev	.00003	.00087	.00005	.00014	.01516	.00026	.00022	.00000
%RSD	.26587	5.5452	.45930	1.0563	19.815	2.6872	1.0106	.00321
#1	.00992	.01629	.01002	.01363	.06580	.00948	.02204	.01579
#2	.00995	.01506	.01009	.01343	.08725	.00984	.02235	.01579
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value								
Range								

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**3523.3**	**55536.**	**6329.0**
Stddev	12.5	66.	27.8
%RSD	.35445	.11822	.43972
#1	3532.2	55583.	6348.7
#2	3514.5	55490.	6309.3

Sample Name: mb 280-117183/1-a Acquired: 5/3/2012 23:23:22 Type: Unk
Method: 6500_025(v2) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 117183 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00036**	**.00361**	**-.00283**	**.00127**	**.00014**	**.00004**	**-.00384**	**.01195**	**.00000**	**-.00029**
Stddev	.00013	.00019	.00562	.00009	.00012	.00004	.00005	.00084	.0000	.00003
%RSD	36.966	5.3707	198.72	7.1367	85.220	108.48	1.3100	7.0117	3202.9	9.4293
#1	.00046	.00347	-.00680	.00134	.00006	.00001	-.00388	.01255	.00002	-.00027
#2	.00027	.00375	.00115	.00121	.00022	.00007	-.00381	.01136	-.00003	-.00031
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00006**	**-.00030**	**.00729**	**.04451**	**.00139**	**.00129**	**.00014**	**-.00022**	**.06906**	**-.00039**
Stddev	.00010	.00028	.00113	.00967	.00103	.00108	.00004	.00026	.00172	.00016
%RSD	160.90	94.919	15.474	21.735	73.858	83.836	25.228	122.25	2.4962	42.211
#1	-.00014	-.00050	.00809	.03767	.00211	.00053	.00012	-.00003	.06785	-.00027
#2	.00001	-.00010	.00649	.05135	.00066	.00206	.00017	-.00040	.07028	-.00051
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00198**	**-.00031**	**.00402**	**-.00029**	**-.00395**	F **.03522**	**.07538**	**-.00029**	**-.00001**	**.00157**
Stddev	.00158	.00084	.00098	.00037	.00246	.00591	.01264	.00102	.00002	.00120
%RSD	79.699	272.36	24.470	124.32	62.328	16.765	16.765	344.88	253.23	76.495
#1	.00086	.00029	.00333	-.00055	-.00221	.03105	.06644	-.00101	.00001	.00072
#2	.00310	-.00091	.00472	-.00004	-.00569	.03940	.08431	.00042	-.00002	.00242
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	None	Chk Pass	Chk Pass	Chk Pass
High Limit						.01000				
Low Limit						-.01000				

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00011**	**-.00151**	**-.00119**	**-.00035**	**.00271**	**.00088**
Stddev	.00020	.00216	.01138	.00005	.00041	.00129
%RSD	175.19	143.58	959.88	13.467	14.939	146.57
#1	.00025	.00002	.00686	-.00032	.00300	.00179
#2	-.00003	-.00304	-.00923	-.00038	.00243	-.00003
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**3545.6**	**56734.**	**6286.8**
Stddev	.4	238.	2.5
%RSD	.01005	.41882	.04040
#1	3545.9	56566.	6285.0
#2	3545.4	56902.	6288.6

Sample Name: lcs 280-117183/2-a Acquired: 5/3/2012 23:25:48 Type: Unk
Method: 6500_025(v2) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 117183 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.05190**	**1.8097**	**.98925**	**.95737**	**1.9449**	**.04635**	**2.0619**	**44.827**	**.09795**	**.48211**
Stddev	.00022	.0030	.00222	.00152	.0025	.00006	.0084	.134	.00001	.00098
%RSD	.41983	.16647	.22457	.15889	.12925	.12644	.40606	.29835	.01167	.20405
#1	.05205	1.8076	.98768	.95629	1.9431	.04631	2.0678	44.921	.09795	.48141
#2	.05174	1.8119	.99082	.95844	1.9467	.04639	2.0560	44.732	.09796	.48280
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.19664**	**.26367**	**.97867**	**48.425**	**.94305**	**48.385**	**.50921**	**1.0012**	**50.313**	**.47781**
Stddev	.00098	.00068	.00598	.020	.00240	.209	.00253	.0026	.074	.00123
%RSD	.49768	.25969	.61154	.04135	.25447	.43271	.49630	.26201	.14686	.25744
#1	.19595	.26319	.97444	48.411	.94475	48.237	.50742	.99939	50.261	.47694
#2	.19734	.26416	.98290	48.439	.94136	48.533	.51099	1.0031	50.365	.47868
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**9.5534**	**.47960**	**.02006**	**.47970**	**1.9854**	F **9.0750**	F **19.420**	**1.9491**	**.98284**	**1.0166**
Stddev	.0014	.00150	.00071	.00314	.0010	.0007	.001	.0046	.00181	.0094
%RSD	.01490	.31378	3.5438	.65459	.05261	.00731	.00731	.23390	.18387	.92038
#1	9.5524	.47854	.01956	.48192	1.9847	9.0745	19.419	1.9459	.98156	1.0100
#2	9.5544	.48067	.02057	.47748	1.9862	9.0755	19.421	1.9523	.98412	1.0232
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Fail	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit						11.500	24.610			
Low Limit						9.4000	20.100			

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.98831**	**1.9616**	**2.2208**	**.49833**	**.46343**	**.48225**
Stddev	.00388	.0034	.0064	.00175	.00133	.00091
%RSD	.39226	.17228	.28659	.35213	.28649	.18777
#1	.98557	1.9640	2.2163	.49709	.46249	.48289
#2	.99105	1.9592	2.2253	.49958	.46437	.48161
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**3375.1**	**53655.**	**6334.1**
Stddev	18.8	306.	17.1
%RSD	.55700	.56953	.26952
#1	3388.4	53871.	6322.0
#2	3361.8	53439.	6346.2

Sample Name: lcsd 280-117183/3-a Acquired: 5/3/2012 23:27:57 Type: Unk
Method: 6500_025(v2) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 117183 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.05145**	**1.8342**	**.99789**	**.96068**	**1.9644**	**.04677**	F **2.0714**	**45.484**	**.09855**	**.48578**
Stddev	.00030	.0037	.01158	.00306	.0050	.00010	.0076	.077	.00028	.00056
%RSD	.57377	.19932	1.1602	.31835	.25689	.21296	.36906	.16980	.28141	.11517
#1	.05166	1.8368	.98970	.96285	1.9680	.04684	2.0768	45.539	.09835	.48617
#2	.05124	1.8316	1.0061	.95852	1.9609	.04670	2.0660	45.430	.09875	.48538
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit							.10000			
Low Limit							-.10000			

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.19856**	**.26434**	**.97302**	**49.085**	**.95044**	**48.899**	**.51452**	**1.0084**	**50.669**	**.48189**
Stddev	.00018	.00028	.00111	.209	.00031	.021	.00010	.0030	.105	.00016
%RSD	.09137	.10504	.11454	.42523	.03312	.04222	.01928	.29814	.20664	.03280
#1	.19844	.26453	.97381	49.233	.95066	48.884	.51445	1.0105	50.743	.48200
#2	.19869	.26414	.97223	48.938	.95022	48.913	.51459	1.0063	50.594	.48178
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **9.5961**	**.48630**	**.01396**	**.47970**	**2.0089**	**9.1938**	**19.675**	**1.9705**	**.99137**	**1.0247**
Stddev	.0222	.00482	.00214	.00008	.0006	.0255	.055	.0033	.00369	.0007
%RSD	.23184	.99148	15.293	.01599	.02923	.27746	.27746	.16536	.37212	.06971
#1	9.6118	.48971	.01245	.47965	2.0094	9.1758	19.636	1.9728	.99398	1.0252
#2	9.5803	.48289	.01547	.47975	2.0085	9.2119	19.713	1.9682	.98877	1.0242
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	2.0000									
Low Limit	-1.0000									

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.99305**	**1.9830**	**2.2099**	**.50295**	**.46866**	**.48850**
Stddev	.00084	.0034	.0154	.00128	.00294	.00481
%RSD	.08508	.17297	.69787	.25483	.62746	.98452
#1	.99245	1.9854	2.1990	.50204	.46659	.49190
#2	.99365	1.9805	2.2208	.50385	.47074	.48510
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**3353.2**	**52920.**	**6167.5**
Stddev	2.3	12.	8.7
%RSD	.06725	.02277	.14136
#1	3351.6	52928.	6161.4
#2	3354.8	52911.	6173.7

Sample Name: 280-28131-s-1-b Acquired: 5/3/2012 23:30:08 Type: Unk
Method: 6500_025(v2) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 117183 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00035**	**.10650**	**-.00523**	**.11248**	**.02028**	**.00004**	**-.00268**	**8.7783**	**.00008**	**.00016**
Stddev	.00009	.00063	.00089	.00031	.00021	.00001	.00119	.0203	.00015	.00013
%RSD	24.793	.59548	16.975	.27931	1.0522	17.144	44.515	.23173	188.92	85.815
#1	.00042	.10694	-.00460	.11226	.02043	.00003	-.00183	8.7927	-.00003	.00025
#2	.00029	.10605	-.00586	.11271	.02013	.00004	-.00352	8.7640	.00018	.00006
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00020**	**.00029**	**.05524**	**12.630**	**.03608**	**.18111**	**.00062**	**.00955**	**270.18**	**.00034**
Stddev	.00013	.00012	.00067	.009	.00058	.00160	.00000	.00041	.47	.00036
%RSD	62.816	40.244	1.2172	.07161	1.6134	.88346	.65253	4.3084	.17570	104.45
#1	.00011	.00021	.05476	12.624	.03649	.17997	.00062	.00926	270.52	.00060
#2	.00029	.00038	.05571	12.637	.03567	.18224	.00062	.00984	269.85	.00009
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00868**	**-.00135**	**131.48**	**-.00007**	**-.00203**	**6.3039**	**13.490**	**-.00003**	**.27671**	**.00127**
Stddev	.00162	.00060	.15	.00140	.00514	.0283	.061	.00068	.00049	.00031
%RSD	18.608	44.342	.11717	1956.0	253.32	.44949	.44949	2351.2	.17593	24.365
#1	.00982	-.00177	131.37	-.00106	-.00567	6.3239	13.533	.00045	.27705	.00149
#2	.00754	-.00093	131.59	.00092	.00161	6.2839	13.447	-.00051	.27636	.00105
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00069**	**-.00039**	**.00666**	**.00019**	**.02206**	**.00099**
Stddev	.00011	.00011	.00473	.00006	.00062	.00127
%RSD	15.743	28.984	70.946	31.838	2.8148	128.79
#1	.00061	-.00031	.01000	.00015	.02162	.00188
#2	.00076	-.00047	.00332	.00023	.02250	.00009
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**3300.4**	**51726.**	**6090.0**
Stddev	14.4	68.	10.6
%RSD	.43649	.13152	.17356
#1	3310.6	51678.	6082.6
#2	3290.2	51774.	6097.5

Sample Name: 280-28131-s-3-b Acquired: 5/3/2012 23:32:38 Type: Unk
Method: 6500_025(v2) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 117183 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00050**	**.17006**	**-.00272**	**.12424**	**.02054**	**.00008**	**-.00348**	**9.0011**	**.00019**	**.00011**
Stddev	.00083	.00012	.00368	.00109	.00009	.00002	.00287	.0034	.00014	.00017
%RSD	163.73	.06850	135.28	.87625	.42041	19.580	82.305	.03761	75.144	158.22
#1	.00109	.16997	-.00012	.12347	.02048	.00007	-.00146	8.9987	.00009	.00023
#2	-.00008	.17014	-.00532	.12501	.02060	.00009	-.00551	9.0035	.00029	-.00001
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00013**	**.00076**	**.00691**	**15.369**	**.04307**	**.14343**	**.00033**	**.01031**	**270.72**	**.00026**
Stddev	.00002	.00011	.00021	.001	.00054	.00049	.00003	.00030	.15	.00026
%RSD	14.865	13.950	2.9670	.00913	1.2628	.34264	9.6270	2.9501	.05450	102.37
#1	.00015	.00083	.00677	15.368	.04269	.14308	.00031	.01052	270.61	.00044
#2	.00012	.00068	.00706	15.370	.04346	.14378	.00035	.01009	270.82	.00007
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00611**	**.00124**	**124.47**	**-.00014**	**.00198**	**8.3310**	**17.828**	**-.00077**	**.29851**	**.00057**
Stddev	.00124	.00040	.43	.00266	.00010	.0278	.060	.00080	.00100	.00065
%RSD	20.365	32.452	.34752	1913.5	5.2570	.33407	.33407	104.16	.33442	113.95
#1	.00699	.00096	124.16	-.00202	.00190	8.3114	17.786	-.00020	.29780	.00011
#2	.00523	.00153	124.77	.00174	.00205	8.3507	17.871	-.00133	.29921	.00102
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00039**	**-.00072**	**.01514**	**.00006**	**.00239**	**.00132**
Stddev	.00014	.00122	.00393	.00024	.00017	.00067
%RSD	35.274	170.30	25.967	424.20	7.2680	50.460
#1	.00049	-.00158	.01792	.00023	.00251	.00180
#2	.00029	.00015	.01236	-.00011	.00227	.00085
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**3300.8**	**51433.**	**6101.1**
Stddev	.8	96.	.2
%RSD	.02487	.18660	.00274
#1	3301.4	51365.	6101.0
#2	3300.3	51501.	6101.2

Sample Name: CCVH-1390999 Acquired: 5/3/2012 23:35:07 Type: QC
Method: 6500_025(v2) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00058**	**47.959**	**-.00263**	**.00319**	**.00041**	**.00009**	**.99637**	**.00868**	**.00023**	**.00063**	**.00024**	**-.00340**
Stddev	.00009	.037	.00228	.00028	.00005	.00000	.00586	.00319	.00023	.00017	.00003	.00007
%RSD	14.905	.07615	86.978	8.7289	13.307	.45407	.58851	36.760	99.488	26.617	11.210	2.1917
#1	-.00052	47.933	-.00424	.00299	.00045	.00009	.99222	.01094	.00039	.00075	.00026	-.00334
#2	-.00064	47.985	-.00101	.00338	.00037	.00009	1.0005	.00642	.00007	.00051	.00022	-.00345
Check ?	None	Chk Pass	None	None	None	None	Chk Pass	None	None	None	None	None
Value												
Range												

Elem	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316	P_1782	Pb2203	S_1820	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**48.195**	**.12868**	**.00219**	**-.03427**	**.00012**	**-.00038**	**244.49**	**.00165**	**.00163**	**.00017**	**4.9365**	**-.00164**
Stddev	.170	.00229	.00120	.00187	.00000	.00017	.02	.00030	.00308	.00152	.0317	.00003
%RSD	.35226	1.7774	54.616	5.4424	4.1860	44.954	.00681	18.229	188.09	872.59	.64166	1.8858
#1	48.075	.13030	.00135	-.03559	.00011	-.00026	244.50	.00144	.00381	.00125	4.9142	-.00166
#2	48.315	.12706	.00304	-.03295	.00012	-.00050	244.48	.00186	-.00054	-.00090	4.9589	-.00162
Check ?	Chk Pass	None	None	None	None	None	Chk Pass	None	None	None	Chk Pass	None
Value												
Range												

Elem	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00372**	**.03106**	**.06648**	**.00073**	**.00048**	**5.0802**	**.00703**	**-.00216**	W **10.610**	**-.00380**	**.00155**	**-.04218**
Stddev	.00146	.00962	.02060	.00027	.00005	.0026	.00029	.00058	.020	.00013	.00111	.00013
%RSD	39.228	30.984	30.984	36.375	9.7747	.05107	4.0552	26.650	.18610	3.5005	71.314	.30897
#1	.00269	.02426	.05191	.00092	.00051	5.0821	.00724	-.00257	10.624	-.00371	.00233	-.04208
#2	.00475	.03787	.08104	.00054	.00044	5.0784	.00683	-.00176	10.596	-.00390	.00077	-.04227
Check ?	None	None	None	None	None	Chk Pass	None	None	Chk Warn	None	None	None
Value									10.000			
Range									5.0000%			

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**3396.6**	**53213.**	**6176.3**
Stddev	2.1	102.	3.8
%RSD	.06067	.19230	.06135
#1	3398.1	53141.	6173.6
#2	3395.1	53285.	6179.0

Sample Name: CCV-1390955 Acquired: 5/3/2012 23:37:27 Type: QC
Method: 6500_025(v2) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.50809**	**.49252**	**.98799**	**.48124**	**.49158**	**.46446**	**-.00186**	**4.6169**	**.49180**	**.49563**	**.49838**	**.52586**	**2.4469**
Stddev	.00085	.00105	.00218	.00132	.00052	.00002	.00061	.0110	.00026	.00189	.00010	.00165	.0092
%RSD	.16786	.21386	.22061	.27477	.10611	.00382	32.941	.23753	.05204	.38157	.01925	.31404	.37656
#1	.50870	.49178	.98645	.48217	.49121	.46447	-.00142	4.6091	.49198	.49697	.49844	.52703	2.4404
#2	.50749	.49327	.98953	.48030	.49195	.46445	-.00229	4.6246	.49162	.49430	.49831	.52470	2.4534
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**48.565**	**.94449**	**19.645**	**.51086**	**.49928**	**4.7871**	**.49085**	**.94466**	**1.0093**	**.01124**	**.96655**	**.99054**	**4.5880**
Stddev	.086	.00260	.010	.00106	.00039	.0049	.00155	.00429	.0010	.00073	.00672	.00470	.0452
%RSD	.17785	.27536	.04969	.20715	.07867	.10171	.31665	.45395	.09881	6.4949	.69530	.47437	.98501
#1	48.504	.94265	19.652	.51161	.49956	4.7837	.49195	.94163	1.0100	.01176	.97130	.99386	4.5561
#2	48.627	.94632	19.638	.51012	.49900	4.7906	.48975	.94769	1.0086	.01073	.96179	.98722	4.6200
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**9.8184**	**.99181**	**.48812**	**.00107**	**.49140**	**1.0052**	**.01305**	**.49677**	**.47527**	**.49428**
Stddev	.0967	.00315	.00143	.00006	.00101	.0006	.00962	.00194	.00145	.00069
%RSD	.98501	.31761	.29368	5.8837	.20491	.06007	73.704	.39099	.30538	.13936
#1	9.7500	.99404	.48711	.00111	.49211	1.0048	.00625	.49815	.47629	.49380
#2	9.8868	.98958	.48913	.00102	.49069	1.0056	.01985	.49540	.47424	.49477
Check ?	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value										
Range										

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**3464.0**	**55132.**	**6289.6**
Stddev	1.3	203.	4.7
%RSD	.03866	.36782	.07468
#1	3465.0	54988.	6292.9
#2	3463.1	55275.	6286.3

Sample Name: CCB Acquired: 5/3/2012 23:39:40 Type: QC
Method: 6500_025(v2) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00041**	**.00085**	**-.00158**	**.00106**	**.00019**	**.00013**	**-.00139**	**.00101**	**.00022**	**.00029**	**.00008**	**-.00035**	F **.15565**
Stddev	.00021	.00061	.00051	.00014	.00006	.00006	.00138	.00037	.00002	.00013	.00000	.00005	.00164
%RSD	52.163	72.036	32.367	13.043	31.595	47.451	99.224	36.462	8.6056	44.296	2.7518	15.377	1.0506
#1	.00026	.00129	-.00195	.00096	.00023	.00009	-.00041	.00075	.00023	.00020	.00008	-.00039	.15450
#2	.00056	.00042	-.00122	.00116	.00015	.00018	-.00237	.00126	.00020	.00038	.00007	-.00031	.15681
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail
High Limit													.03000
Low Limit													-.03000

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.07160**	**.00201**	**.00197**	F **.00231**	**.00105**	**.08668**	**.00017**	**.00149**	**-.00044**	**.00645**	**-.00020**	**-.00394**	**.02349**
Stddev	.01830	.00029	.00062	.00005	.00038	.01163	.00005	.00112	.00085	.00393	.00063	.00485	.02634
%RSD	25.562	14.184	31.321	2.1805	36.325	13.421	30.462	75.379	191.73	60.951	307.81	122.98	112.14
#1	.05866	.00221	.00241	.00234	.00078	.09491	.00013	.00069	-.00104	.00922	.00024	-.00737	.00486
#2	.08455	.00181	.00154	.00227	.00132	.07846	.00021	.00228	.00016	.00367	-.00065	-.00051	.04211
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				.00050									
Low Limit				-.00050									

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.05026**	**.00115**	**.00014**	**.00066**	**.00028**	**-.00145**	**-.01198**	**-.00009**	F **.01540**	**.00031**
Stddev	.05636	.00061	.00007	.00130	.00017	.00024	.00044	.00012	.00062	.00120
%RSD	112.14	53.562	48.694	196.27	60.296	16.587	3.6706	129.03	4.0148	384.71
#1	.01041	.00071	.00019	-.00026	.00016	-.00128	-.01229	-.00017	.01584	.00116
#2	.09011	.00158	.00010	.00158	.00040	-.00162	-.01167	-.00001	.01497	-.00054
Check ?	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass
High Limit									.00906	
Low Limit									-.00906	

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**3497.9**	**55519.**	**6207.3**
Stddev	.0	113.	10.1
%RSD	.00040	.20266	.16326
#1	3498.0	55599.	6214.5
#2	3497.9	55439.	6200.1

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

ICP Data Review Checklist

TALS BATCH NUMBER: 118268, 118270 - 118275		Earliest due date: 5/4/12
Run Date: 5/3/12	Analyst: JKH + HEB	Instrument: 25
QC programs/Methods Run: 200.7	6010B	6010C

Review Items	Yes	No	N/A	2nd Level
A. Preparation/Matrix QC				
1. LCS done per prep batch and within QC limits?	✓			✓
2. Method blank done per prep batch and < 1/2 RL or CRDL (CLP) or < 2.2x MDL 200.7 ?	✓			✓
3. MS run at required frequency and within limits?	✓			✓
4. MSD or DU run at required frequency and RPD within SOP limits?	✓			✓
5. Serial dilution done per prep batch (or per SDG for CLP)?	✓			✓
6. Post digest spike analyzed if required (CLP, DOD & AFCEE only)? NCM Whether needed for DODV3, AFCEE 4.0, 6010c?	✓			✓
B. Calibration/Instrument Run QC				
1. ICV/CCV analyzed at appropriate frequency and within control limits ? (**6010B**: CLP = 90 - 110%; **200.7**: ICV = 95 - 105%, CCV 90-110%) If not in control, was the ICV or CCV reanalyzed twice to show return to control as per NELAP?	✓			✓
2. ICB/CCB analyzed at appropriate frequency and < RL or < CRDL (CLP) or < 2X MDL (DOD V3,AFCEE 4.0)? Was it less than the MDLV (6010C)	✓			✓
3. High Standard (HIGH) reanalyzed before samples and recovered within QC limits? (+-5%)	✓			✓
4. RL STD run and recovered within QC limits ? (± 50% for non-CLP, ± 20% for DoD V3 / AFCEE 4.0 / USACE)	✓			✓
5. Was the LLICV/LLCCV analyzed at appropriate frequency for 6010C and within control (+-30 % or +-20%)	✓			✓
6. ICSA/ICSAB run at required frequency and within SOP limits? (ICSA < 2X MDL AFCEE 4.0, DOD V3 or <RL std work or <MDLV 6010C))	✓			✓
C. Sample Results				
1. ~~For 6010B, were samples with concentrations > the linear range for any parameter diluted and reanalyzed? For 200.7,~~ were samples with concentrations witnin 90% of the linear range diluted and reanalyzed?	✓			✓
2. Are all reported results bracketed by in control QC?	✓			✓
D. Other				
1. Are all nonconformances documented appropriately?	✓			✓
2. Calculations checked for errors?	✓			✓
3. Transcriptions checked for errors? (Example: Are dilution factors that are entered into the sequence log correct?)	✓			✓
4. All client/project specific requirements met?	✓			✓
5. Date/time of analysis verified as correct?	✓			✓
6. PDF attached, verified uncorrupted?	✓			✓

Analyst: JKH Date: 5/4/12

Comments:

2nd Level Reviewer: [signature] Date: 5/4/12

Comments:

QC Tune Report

Data File: C:\ICPMH\1\7500\QCTUNE.D
Date Acquired: 1 May 2012 01:39:15 pm
Operator: LMT
Misc Info:
Vial Number: 2501
Current Method: C:\ICPMH\1\METHODS\EPA_Tune.m

Minimum Response(CPS)

Element	Actual	Required	Flag

RSD (%)

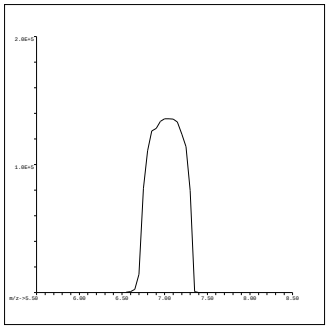
Element	Actual	Required	Flag
7 Li	1.16	5.00	
9 Be	1.65	5.00	
24 Mg	2.49	5.00	
25 Mg	1.95	5.00	
26 Mg	3.25	5.00	
59 Co	0.57	5.00	
103 Rh	1.40	5.00	
115 In	1.37	5.00	
205 Tl	0.85	5.00	
206 Pb	1.65	5.00	
207 Pb	2.72	5.00	
208 Pb	1.54	5.00	
238 U	0.94	5.00	

Ion Ratio

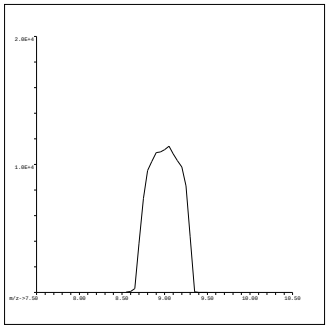
Element	Actual	Required	Flag

Maximum Bkg. Count(CPS)

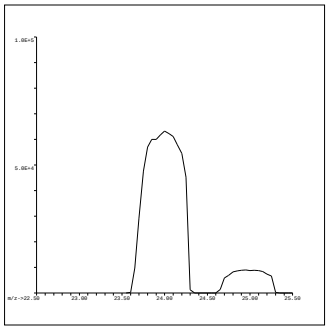
Element	Actual	Required	Flag



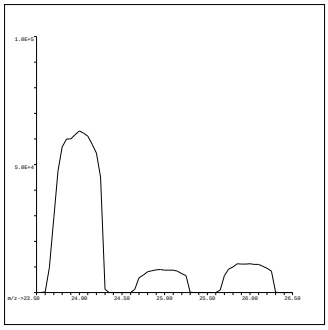
7 Li
Mass Calib.
   Actual: 7.05
   Required: 6.90-7.10
   Flag:
Peak Width
   Actual: 0.60
   Required: 0.90
   Flag:



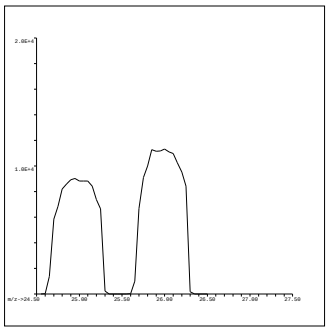
9 Be
Mass Calib.
   Actual: 9.00
   Required: 8.90-9.10
   Flag:
Peak Width
   Actual: 0.60
   Required: 0.90
   Flag:



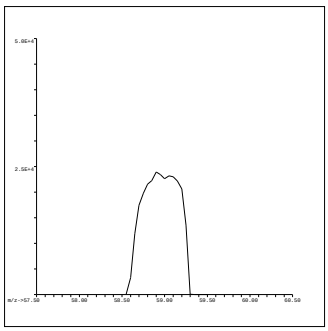
24 Mg
Mass Calib.
   Actual: 24.00
   Required: 23.90-24.10
   Flag:
Peak Width
   Actual: 0.60
   Required: 0.90
   Flag:



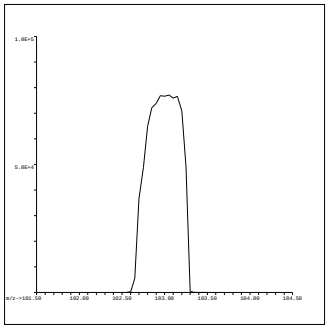
25 Mg
Mass Calib.
   Actual: 25.00
   Required: 24.90-25.10
   Flag:
Peak Width
   Actual: 0.60
   Required: 0.90
   Flag:



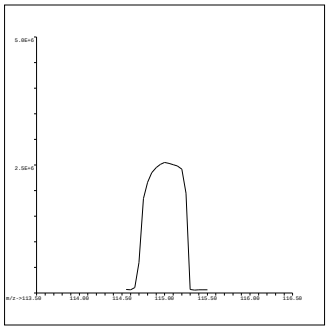
26 Mg
Mass Calib.
   Actual: 25.95
   Required: 25.90-26.10
   Flag:
Peak Width
   Actual: 0.60
   Required: 0.90
   Flag:



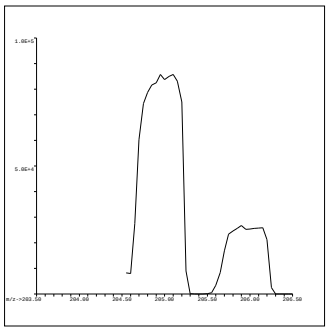
59 Co
Mass Calib.
   Actual: 59.00
   Required: 58.90-59.10
   Flag:
Peak Width
   Actual: 0.65
   Required: 0.90
   Flag:



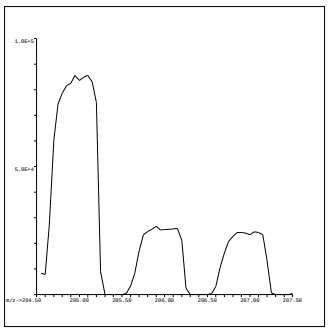
103 Rh
Mass Calib.
   Actual: 103.05
   Required: 102.90-103.10
   Flag:
Peak Width
   Actual: 0.60
   Required: 0.90
   Flag:



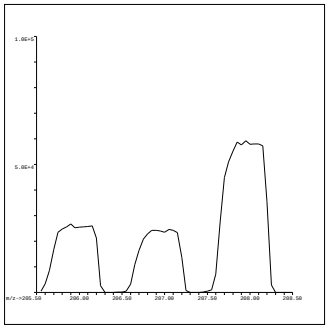
115 In
Mass Calib.
   Actual: 115.05
   Required: 114.90-115.10
   Flag:
Peak Width
   Actual: 0.55
   Required: 0.90
   Flag:



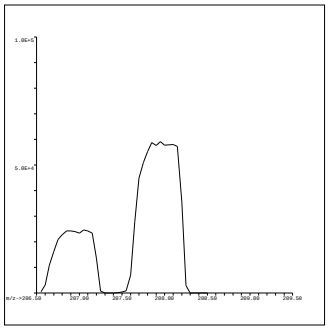
205 Tl
Mass Calib.
   Actual: 205.05
   Required: 204.90-205.10
   Flag:
Peak Width
   Actual: 0.60
   Required: 0.90
   Flag:



206 Pb
Mass Calib.
   Actual: 206.00
   Required: 205.90-206.10
   Flag:
Peak Width
   Actual: 0.65
   Required: 0.90
   Flag:

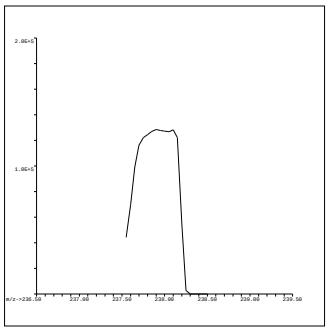


207 Pb
Mass Calib.
   Actual: 207.00
   Required: 206.90-207.10
   Flag:
Peak Width
   Actual: 0.60
   Required: 0.90
   Flag:



208 Pb
Mass Calib.
   Actual: 207.95
   Required: 207.90-208.10
   Flag:
Peak Width
   Actual: 0.60
   Required: 0.90
   Flag:

d:\DATA\050112a.B\QCTUNE00.D



238 U
Mass Calib.
   Actual: 238.00
   Required: 237.90-238.10
   Flag:
Peak Width
   Actual: 0.65
   Required: 0.90
   Flag:

QC Tune Result:Pass

Replicated Data: Tune #1

Mass	Count(CPS)				
7	73631.94	72620.67	72127.14	72580.66	73634.97
9	6018.29	5945.23	6026.28	5934.76	5897.20
24	34363.70	33812.77	33529.34	33390.33	32741.84
25	4995.79	4932.25	4910.25	4880.24	4788.70
26	6163.43	6244.01	6111.39	6056.35	5976.86

Replicated Data: Tune #2

Mass	Count(CPS)				
59	13355.76	13411.75	13697.24	13418.74	13442.70
103	40122.65	40095.16	40734.26	40112.43	40212.23
115	1338497.00	1338212.00	1345937.00	1357071.00	1347703.00
205	46274.25	45972.72	46633.74	46508.98	46813.40
206	14090.48	14030.34	13973.31	14154.59	14089.44
207	12612.53	12772.55	12905.73	13113.06	12987.89
208	31443.65	30978.72	31615.73	31925.58	31999.00
238	75653.67	76351.38	76134.90	76084.74	76193.62

Sample Report

Sample Name	rinse-1382268
Data File Name	002SMPL.D
DataPath	d:\DATA\050112a.B
Acq Date Time	2012-05-01T13:43:38-06:00
Type	Sample
VialNumber	1307
Dilution	1
Comment	
Operator	LMT
ISTDRefDataFileName	
SamplePassFail	Pass
ISTD PassFail	Pass

TuneStep	TuneFile	TuneDate
1	h2_hmi.u	5/1/2012 1:42:00 PM
2	he_hmi.u	5/1/2012 1:42:00 PM

Calibration Blank Report

Sample Name	icis
Data File Name	003CALB.D
DataPath	d:\DATA\050112a.B
Acq Date Time	2012-05-01T13:46:34-06:00
Type	CalBlk
VialNumber	2101
Dilution	1
Comment	
Operator	LMT

QC Analyte Table

Element	m/z	ISTD	Tune Step	CPS	%RSD
Be	9	6	1	5	173.21
Na	23	45	2	4334	19.17
Mg	24	45	2	140	24.75
Al	27	45	2	13	173.21
K	39	45	2	1000	10.58
Ca	44	45	2	20	100.00
Cr	52	72	2	87	13.32
Mn	55	72	2	73	31.49
Fe	57	72	2	133	8.66
Co	59	72	2	67	34.65
Ni	60	72	2	180	33.33
Cu	63	72	2	1160	18.65
Zn	66	72	2	193	29.86
As	75	72	2	13	86.60
Se	78	72	1	12	33.33
Nb	93	72	2	433	7.05
Mo	95	115	2	33	91.66
Pd	105	115	2	27	86.60
Ag	107	115	2	40	132.29
Cd	111	115	2	20	100.00
Sn	120	115	2	233	42.28
Sb	121	115	2	127	48.24
Ba	137	115	2	20	173.21
W	182	165	2	700	13.09
Pt	195	165	2	67	62.45
Tl	205	165	2	87	96.08
Pb	208	165	2	853	12.91
Th	232	165	2	433	22.77
U	238	165	2	120	44.10

QC ISTD Table

Element	m/z	Tune Step	CPS	%RSD
Li6	6	1	875670	1.21
Sc (IS)	45	2	566157	0.42
Ge (IS)	72	1	12633047	0.75
Ge (IS)	72	2	792866	0.88
115In	115	2	2594197	1.36
Ho-165	165	2	17194663	0.95

TuneStep	TuneFile	TuneDate
1	h2_hmi.u	5/1/2012 1:45:00 PM
2	he_hmi.u	5/1/2012 1:45:00 PM

Calibration Standard Report

Sample Name	cal-1392319
Data File Name	004CALS.D
DataPath	d:\DATA\050112a.B
Acq Date Time	2012-05-01T13:49:29-06:00
Type	CalStd
VialNumber	2102
Dilution	1
Comment	
Operator	LMT
ISTDRefDataFileName	003CALB.D
ISTD PassFail	Pass

QC Analyte Table

Element	m/z	ISTD	Tune Step	CPS	%RSD
Be	9	6	1	24583	2.16
Na	23	45	2	1323073	1.75
Mg	24	45	2	538617	1.77
Al	27	45	2	102109	1.53
K	39	45	2	231744	1.44
Ca	44	45	2	12925	5.85
V	51	72	2	69686	3.57
Cr	52	72	2	105434	1.35
Mn	55	72	2	34762	1.58
Fe	57	72	2	206974	0.87
Co	59	72	2	216445	0.15
Ni	60	72	2	64552	2.52
Cu	63	72	2	192150	0.96
Zn	66	72	2	16082	3.67
As	75	72	2	8712	4.55
Se	78	72	1	36110	2.24
Nb	93	72	2	525418	0.98
Mo	95	115	2	76550	0.98
Pd	105	115	2	150909	0.77
Ag	107	115	2	345438	1.50
Cd	111	115	2	33548	2.88
(Cd)	114	115	2	86197	1.19
Sn	120	115	2	75193	0.78
Sb	121	115	2	49340	1.47
Ba	137	115	2	18138	3.90
W	182	165	2	482785	0.85
Pt	195	165	2	437522	1.51
Tl	205	165	2	788797	1.67
Pb	208	165	2	1000205	0.66
Th	232	165	2	999651	1.24
U	238	165	2	1237723	0.94

QC ISTD Table

Element	m/z	Tune Step	CPS	%RSD	Reference CPS	%Recovery	Lower Limit	Upper Limit	QC Flag
Li6	6	1	854509	1.99	875670	97.6	60	125	
Sc (IS)	45	2	553293	0.54	566157	97.7	60	125	
Ge (IS)	72	1	12164361	0.63	12633047	96.3	60	125	
Ge (IS)	72	2	775778	0.91	792866	97.8	60	125	
115In	115	2	2529186	0.48	2594197	97.5	60	125	
Ho-165	165	2	17043830	0.57	17194663	99.1	60	125	

TuneStep	TuneFile	TuneDate
1	h2_hmi.u	5/1/2012 1:48:00 PM
2	he_hmi.u	5/1/2012 1:48:00 PM

Initial Calibration Verification (ICV) - US EPA Method 6020

Sample Name	icv-1392321
Data File Name	005_ICV.D
DataPath	d:\DATA\050112a.B
Acq Date Time	2012-05-01T13:52:25-06:00
Type	6-ICV
VialNumber	2103
Dilution	1
Comment	
Operator	LMT
ISTDRefDataFileName	003CALB.D
SamplePassFail	Fail
ISTD PassFail	Pass

QC Analyte Table

Element	m/z	ISTD	Tune Step	Meas Value	%RSD	Units	CPS	CPS%RSD	Exp Value	%Rec	QC Low	QC High	QC Flag
Be	9	6	1	39.99	6.15	ppb	10009.49	5.25	40	100.0	90	110	
Na	23	45	2	3839.24	0.14	ppb	521769.50	0.18	4000	96.0	90	110	
Mg	24	45	2	3972.15	0.96	ppb	218724.84	0.98	4000	99.3	90	110	
Al	27	45	2	3897.79	0.64	ppb	40680.38	0.63	4000	97.4	90	110	
K	39	45	2	3944.17	4.46	ppb	94009.37	4.33	4000	98.6	90	110	
Ca	44	45	2	3833.05	5.23	ppb	5074.49	5.25	4000	95.8	90	110	
V	51	72	2	40.89	2.17	ppb	28983.32	2.42	40	102.2	90	110	
Cr	52	72	2	39.70	1.12	ppb	42666.49	1.36	40	99.2	90	110	
Mn	55	72	2	41.39	6.14	ppb	14693.90	6.27	40	103.5	90	110	
Fe	57	72	2	3875.00	1.48	ppb	81733.11	1.32	4000	96.9	90	110	
Co	59	72	2	39.84	2.66	ppb	87828.68	2.34	40	99.6	90	110	
Ni	60	72	2	39.73	2.58	ppb	26214.09	2.80	40	99.3	90	110	
Cu	63	72	2	40.17	4.08	ppb	79263.34	3.80	40	100.4	90	110	
Zn	66	72	2	44.01	3.75	ppb	7315.53	3.71	40	110.0	90	110	6-ICV Main Failed
As	75	72	2	41.11	11.44	ppb	3653.87	11.35	40	102.8	90	110	
Se	78	72	1	38.92	0.90	ppb	14249.83	1.06	40	97.3	90	110	
Nb	93	72	2	78.39	1.67	ppb	209920.80	1.81	80	98.0	90	110	
Mo	95	115	2	40.53	2.97	ppb	31871.13	2.81	40	101.3	90	110	
Pd	105	115	2	41.10	2.75	ppb	63678.46	2.48	40	102.7	90	110	
Ag	107	115	2	39.13	1.70	ppb	138797.81	1.83	40	97.8	90	110	
Cd	111	115	2	39.20	5.83	ppb	13513.07	5.79	40	98.0	90	110	
Sn	120	115	2	39.64	0.25	ppb	30736.89	0.25	40	99.1	90	110	
Sb	121	115	2	37.94	3.86	ppb	19292.45	3.57	40	94.8	90	110	
Ba	137	115	2	41.41	10.32	ppb	7722.44	10.34	40	103.5	90	110	
W	182	165	2	40.17	1.17	ppb	197718.97	1.53	40	100.4	90	110	
Pt	195	165	2	39.51	3.53	ppb	175850.63	2.90	40	98.8	90	110	
Tl	205	165	2	39.90	0.78	ppb	320175.69	0.49	40	99.7	90	110	
Pb	208	165	2	40.17	0.72	ppb	409241.50	0.33	40	100.4	90	110	
Th	232	165	2	39.67	1.20	ppb	403652.48	1.53	40	99.2	90	110	
U	238	165	2	38.21	0.67	ppb	481103.94	0.64	40	95.5	90	110	

QC ISTD Table

Element	m/z	Tune Step	CPS	%RSD	Ref CPS	%Rec	QC Low	QC High	QC Flag
Li6	6	1	869845	0.95	875670	99.3	60	125	
Sc (IS)	45	2	565431	0.16	566157	99.9	60	125	
Ge (IS)	72	1	12326461	0.69	12633047	97.6	60	125	
Ge (IS)	72	2	789784	0.33	792866	99.6	60	125	
115In	115	2	2596389	0.32	2594197	100.1	60	125	
Ho-165	165	2	17337090	0.77	17194663	100.8	60	125	

TuneStep	TuneFile
1	h2_hmi.u
2	he_hmi.u

Initial Calibration Blank (ICB) - US EPA Method 200.8

Sample Name	icb-1392356
Data File Name	006_ICB.D
DataPath	d:\DATA\050112a.B
Acq Date Time	2012-05-01T13:55:22-06:00
Type	6-ICB
VialNumber	2104
Dilution	1
Comment	
Operator	LMT
ISTDRefDataFileName	003CALB.D
SamplePassFail	Fail
ISTD PassFail	Pass

QC Analyte Table

Element	m/z	ISTD	Tune Step	Meas Value	%RSD	Units	CPS	CPS%RSD	QC High	QC Flag
Be	9	6	1	0.03	87.91	ppb	11.67	49.49	1	
Na	23	45	2	-3.10	-78.88	ppb	3887.34	9.21	20	
Mg	24	45	2	1.23	111.42	ppb	206.69	36.64	20	
Al	27	45	2	1.94	151.16	ppb	33.34	91.66	20	
K	39	45	2	-7.67	-55.44	ppb	813.42	12.62	20	
Ca	44	45	2	35.79	65.54	ppb	66.67	45.83	20	6-ICB Main Failed
V	51	72	2	0.06	273.11	ppb	8.79	1306.96	1	
Cr	52	72	2	0.04	255.81	ppb	126.68	81.03	1	
Mn	55	72	2	0.11	114.31	ppb	113.35	40.75	1	
Fe	57	72	2	4.75	76.93	ppb	233.36	32.45	20	
Co	59	72	2	-0.02	-43.49	ppb	13.33	173.21	1	
Ni	60	72	2	0.04	586.60	ppb	206.69	72.64	1	
Cu	63	72	2	0.02	632.07	ppb	1200.15	21.86	1	
Zn	66	72	2	-0.32	-103.88	ppb	140.01	37.80	5	
As	75	72	2	0.04	442.91	ppb	16.67	91.65	5	
Se	78	72	1	0.03	119.09	ppb	22.67	56.73	5	
Nb	93	72	2	0.42	10.82	ppb	1573.57	9.37	5	
Mo	95	115	2	0.03	58.16	ppb	53.34	21.66	1	
Pd	105	115	2	0.02	102.75	ppb	60.00	57.74	1	
Ag	107	115	2	0.00	3693.55	ppb	40.00	50.01	1	
Cd	111	115	2	0.04	83.98	ppb	33.33	34.64	1	
(Cd)	114	115	2	0.04	135.51	ppb	93.34	49.49	1	
Sn	120	115	2	0.00	3659.14	ppb	233.35	30.10	5	
Sb	121	115	2	0.79	31.69	ppb	520.06	23.40	0.2	6-ICB Main Failed
Ba	137	115	2	0.00	6911.37	ppb	20.00	100.00	1	
W	182	165	2	0.05	37.08	ppb	920.10	8.70	1	
Pt	195	165	2	0.00	289.91	ppb	86.68	66.62	1	
Tl	205	165	2	0.02	107.65	ppb	226.69	66.23	1	
Pb	208	165	2	0.01	247.04	ppb	913.43	16.58	1	
Th	232	165	2	0.04	37.65	ppb	800.09	17.50	1	
U	238	165	2	0.02	80.92	ppb	353.38	53.80	1	

QC ISTD Table

Element	m/z	Tune Step	CPS	%RSD	Ref CPS	%Rec	QC Low	QC High	QC Flag
Li6	6	1	863540	2.37	875670	98.6	60	125	
Sc (IS)	45	2	562021	0.82	566157	99.3	60	125	
Ge (IS)	72	1	12504972	0.11	12633047	99.0	60	125	
Ge (IS)	72	2	792775	1.68	792866	100.0	60	125	
115In	115	2	2581484	0.61	2594197	99.5	60	125	
Ho-165	165	2	17151835	0.30	17194663	99.8	60	125	

TuneStep	TuneFile	TuneDate
1	h2_hmi.u	5/1/2012 1:54:00 PM
2	he_hmi.u	5/1/2012 1:54:00 PM

Low Level Continuing Calibration Verification (LLCCV) - US EPA Method 6020

Sample Name	icvl-1392322
Data File Name	007RLIV.D
DataPath	d:\DATA\050112a.B
Acq Date Time	2012-05-01T13:58:19-06:00
Type	ICVL
VialNumber	1102
Dilution	1
Comment	
Operator	LMT
ISTDRefDataFileName	003CALB.D
SamplePassFail	Fail
ISTD PassFail	Pass

QC Analyte Table

Element	m/z	ISTD	Tune Step	Meas Value	%RSD	Units	CPS	CPS%RSD	Exp Value	%Rec	QC Low	QC High	QC Flag
Be	9	6	1	0.95	23.15	ppb	243.34	22.16	1	94.7	70	130	
Na	23	45	2	46.33	15.36	ppb	10817.28	8.88	50	92.7	70	130	
Mg	24	45	2	46.71	7.68	ppb	2773.78	7.37	50	93.4	70	130	
Al	27	45	2	22.43	41.54	ppb	253.36	39.74	30	74.8	70	130	
K	39	45	2	103.22	6.85	ppb	3513.99	5.16	100	103.2	70	130	
Ca	44	45	2	29.43	151.37	ppb	60.01	100.00	50	58.9	70	130	ICVL Main Failed
V	51	72	2	5.70	4.55	ppb	4061.88	4.56	5	114.0	70	130	
Cr	52	72	2	2.03	5.48	ppb	2286.99	4.82	2	101.3	70	130	
Mn	55	72	2	1.71	10.77	ppb	686.75	8.90	1	171.3	70	130	ICVL Main Failed
Fe	57	72	2	55.58	6.73	ppb	1320.19	6.61	50	111.2	70	130	
Co	59	72	2	1.01	13.29	ppb	2313.70	12.75	1	100.7	70	130	
Ni	60	72	2	1.97	30.50	ppb	1493.53	27.20	2	98.7	70	130	
Cu	63	72	2	2.12	4.36	ppb	5341.35	2.70	2	105.9	70	130	
Zn	66	72	2	13.01	7.58	ppb	2327.04	7.21	10	130.1	70	130	ICVL Main Failed
As	75	72	2	4.56	27.81	ppb	423.36	27.58	5	91.3	70	130	
Se	78	72	1	5.61	1.61	ppb	2076.16	2.37	5	112.2	70	130	
Nb	93	72	2	0.09	84.43	ppb	680.09	30.71	40	0.2	70	130	ICVL Main Failed
Mo	95	115	2	2.06	13.58	ppb	1686.89	14.05	2	103.1	70	130	
Pd	105	115	2	0.05	118.93	ppb	100.01	87.18	1	4.6	70	130	ICVL Main Failed
Ag	107	115	2	5.30	6.33	ppb	19185.27	5.18	5	105.9	70	130	
Cd	111	115	2	0.91	54.01	ppb	340.03	51.28	1	90.9	70	130	
Sn	120	115	2	10.06	6.94	ppb	8136.04	7.76	10	100.6	70	130	
Sb	121	115	2	2.26	15.54	ppb	1293.52	13.95	2	113.0	70	130	
Ba	137	115	2	0.63	1.31	ppb	140.01	0.00	1	63.2	70	130	ICVL Main Failed
W	182	165	2	0.07	93.93	ppb	1053.47	30.46	5	1.4	70	130	ICVL Main Failed
Pt	195	165	2	0.01	29.80	ppb	106.68	10.82	1	0.9	70	130	ICVL Main Failed
Tl	205	165	2	1.05	3.74	ppb	8569.68	3.32	1	105.1	70	130	
Pb	208	165	2	1.04	5.28	ppb	11509.43	4.80	1	104.1	70	130	
Th	232	165	2	1.75	0.32	ppb	18332.47	0.76	2	87.5	70	130	
U	238	165	2	0.98	5.07	ppb	12472.85	5.24	1	97.6	70	130	

QC ISTD Table

Element	m/z	Tune Step	CPS	%RSD	Ref CPS	%Rec	QC Low	QC High	QC Flag
Li6	6	1	874890	1.79	875670	99.9	60	125	
Sc (IS)	45	2	578684	0.45	566157	102.2	60	125	
Ge (IS)	72	1	12393118	1.20	12633047	98.1	60	125	
Ge (IS)	72	2	799881	0.84	792866	100.9	60	125	
115In	115	2	2648692	1.11	2594197	102.1	60	125	
Ho-165	165	2	17432857	0.45	17194663	101.4	60	125	

TuneStep	TuneFile
1	h2_hmi.u
2	he_hmi.u

Reporting
Limit Standard (RLSTD)

Sample Name	cri-1392352
Data File Name	008_RL.D
DataPath	d:\DATA\050112a.B
Acq Date Time	2012-05-01T14:01:15-06:00
Type	RLSTD
VialNumber	2105
Dilution	1
Comment	
Operator	LMT
ISTDRefDataFileName	003CALB.D
SamplePassFail	Fail
ISTD PassFail	Pass

QC Analyte Table

Element	m/z	ISTD	Tune Step	Meas Value	%RSD	Units	CPS	CPS%RSD	Exp Value	%Rec	QC Low	QC High	QC Flag
Be	9	6	1	1.07	14.33	ppb	270.01	13.35	1	106.8	80	120	
Na	23	45	2	91.61	4.83	ppb	16922.27	3.49	100	91.6	80	120	
Mg	24	45	2	104.07	4.91	ppb	5954.78	4.81	100	104.1	80	120	
Al	27	45	2	96.90	20.12	ppb	1040.11	20.26	100	96.9	80	120	
K	39	45	2	95.28	12.50	ppb	3293.94	8.27	100	95.3	80	120	
Ca	44	45	2	59.68	50.60	ppb	100.01	40.00	100	59.7	80	120	RLSTD Main Failed
V	51	72	2	0.93	36.81	ppb	628.21	38.42	1	92.5	80	120	
Cr	52	72	2	0.96	21.79	ppb	1126.80	19.63	1	95.9	80	120	
Mn	55	72	2	1.02	55.41	ppb	440.05	46.13	1	102.4	80	120	
Fe	57	72	2	97.96	9.25	ppb	2220.34	9.14	100	98.0	80	120	
Co	59	72	2	0.96	14.74	ppb	2207.04	14.22	1	96.1	80	120	
Ni	60	72	2	0.99	14.55	ppb	840.09	10.91	1	99.5	80	120	
Cu	63	72	2	0.88	5.30	ppb	2907.14	2.87	1	88.5	80	120	
Zn	66	72	2	1.58	38.86	ppb	453.38	21.76	1	158.5	80	120	RLSTD Main Failed
As	75	72	2	1.15	29.89	ppb	116.67	26.19	1	115.4	80	120	
Se	78	72	1	1.02	6.10	ppb	388.01	6.27	1	101.6	80	120	
Nb	93	72	2	1.98	11.80	ppb	5788.13	10.42	2	99.1	80	120	
Mo	95	115	2	0.86	4.60	ppb	713.42	4.28	1	85.7	80	120	
Pd	105	115	2	0.92	10.93	ppb	1460.21	10.70	1	91.6	80	120	
Ag	107	115	2	1.02	14.03	ppb	3700.71	13.79	1	102.2	80	120	
Cd	111	115	2	0.92	37.40	ppb	340.04	35.30	1	92.0	80	120	
Sn	120	115	2	0.98	37.04	ppb	993.45	28.21	1	97.6	80	120	
Sb	121	115	2	0.95	40.45	ppb	613.40	32.17	1	95.2	80	120	
Ba	137	115	2	0.67	77.89	ppb	146.68	67.27	1	67.5	80	120	RLSTD Main Failed
W	182	165	2	1.09	2.07	ppb	6041.60	1.44	1	108.9	80	120	
Pt	195	165	2	0.96	10.39	ppb	4341.03	9.68	1	96.2	80	120	
Tl	205	165	2	1.03	2.35	ppb	8322.85	1.58	1	102.8	80	120	
Pb	208	165	2	1.07	1.24	ppb	11749.46	1.87	1	107.2	80	120	
Th	232	165	2	0.94	6.09	ppb	9984.12	5.21	1	94.1	80	120	
U	238	165	2	0.99	2.93	ppb	12612.94	3.10	1	99.3	80	120	

QC ISTD Table

Element	m/z	Tune Step	CPS	%RSD	Ref CPS	%Rec	QC Low	QC High	QC Flag
Li6	6	1	862871	1.13	875670	98.5	60	125	
Sc (IS)	45	2	573906	0.51	566157	101.4	60	125	
Ge (IS)	72	1	12477409	0.53	12633047	98.8	60	125	
Ge (IS)	72	2	798459	0.53	792866	100.7	60	125	
115In	115	2	2621854	0.12	2594197	101.1	60	125	
Ho-165	165	2	17319249	0.77	17194663	100.7	60	125	

TuneStep	TuneFile	TuneDate
1	h2_hmi.u	5/1/2012 1:59:00 PM
2	he_hmi.u	5/1/2012 1:59:00 PM

AFCEE RL Standard (AFCEERL)

Sample Name	cri-1392353
Data File Name	009AFRL.D
DataPath	d:\DATA\050112a.B
Acq Date Time	2012-05-01T14:04:17-06:00
Type	AFCEERL
VialNumber	2106
Dilution	1
Comment	af cri
Operator	LMT
ISTDRefDataFileName	003CALB.D
SamplePassFail	Fail
ISTD PassFail	Pass

QC Analyte Table

Element	m/z	ISTD	Tune Step	Meas Value	%RSD	Units	CPS	CPS%RSD	Exp Value	%Rec	QC Low	QC High	QC Flag
Be	9	6	1	0.15	41.14	ppb	41.67	36.66	0.2	73.6	50	150	
Na	23	45	2	17.19	47.82	ppb	6655.07	15.80	20	85.9	50	150	
Mg	24	45	2	20.28	28.45	ppb	1260.16	25.55	20	101.4	50	150	
Al	27	45	2	19.07	34.07	ppb	213.35	32.93	20	95.4	50	150	
K	39	45	2	14.87	17.00	ppb	1353.51	4.27	20	74.3	50	150	
Ca	44	45	2	50.18	61.58	ppb	86.67	48.04	20	250.9	50	150	AFCEERL Main Failed
V	51	72	2	0.66	20.35	ppb	437.98	21.85	0.2	329.7	50	150	AFCEERL Main Failed
Cr	52	72	2	0.32	28.95	ppb	433.38	23.23	0.2	159.8	50	150	AFCEERL Main Failed
Mn	55	72	2	0.19	60.49	ppb	140.02	28.57	0.2	92.7	50	150	
Fe	57	72	2	23.47	18.35	ppb	633.40	14.59	20	117.4	50	150	
Co	59	72	2	0.23	35.98	ppb	586.74	31.68	0.2	116.8	50	150	
Ni	60	72	2	0.06	258.62	ppb	220.02	45.45	0.2	29.4	50	150	AFCEERL Main Failed
Cu	63	72	2	0.17	59.66	ppb	1506.86	13.56	0.2	86.6	50	150	
Zn	66	72	2	0.73	63.04	ppb	313.36	24.17	0.2	363.9	50	150	AFCEERL Main Failed
As	75	72	2	0.22	58.13	ppb	33.33	34.64	0.2	111.4	50	150	
Se	78	72	1	0.13	25.29	ppb	58.67	19.68	0.2	64.0	50	150	
Nb	93	72	2	0.36	19.59	ppb	1406.86	13.51	0.4	89.9	50	150	
Mo	95	115	2	0.10	81.32	ppb	113.34	56.73	0.2	48.9	50	150	AFCEERL Main Failed
Pd	105	115	2	0.15	39.90	ppb	266.69	37.00	0.2	75.3	50	150	
Ag	107	115	2	0.20	21.37	ppb	753.42	19.93	0.2	98.1	50	150	
Cd	111	115	2	0.38	71.49	ppb	153.35	61.64	0.2	188.8	50	150	AFCEERL Main Failed
Sn	120	115	2	0.27	48.94	ppb	453.38	24.30	2	13.6	50	150	AFCEERL Main Failed
Sb	121	115	2	0.24	23.30	ppb	253.36	12.06	0.2	119.7	50	150	
Ba	137	115	2	0.03	363.36	ppb	26.67	86.60	0.2	16.6	50	150	AFCEERL Main Failed
W	182	165	2	0.22	7.07	ppb	1786.95	5.05	0.2	108.5	50	150	
Pt	195	165	2	0.20	12.37	ppb	946.78	12.38	0.2	97.8	50	150	
Tl	205	165	2	0.22	10.46	ppb	1846.98	9.21	0.2	108.6	50	150	
Pb	208	165	2	0.18	18.04	ppb	2667.03	12.13	0.2	87.6	50	150	
Th	232	165	2	0.17	12.24	ppb	2173.71	10.14	0.2	84.4	50	150	
U	238	165	2	0.21	4.17	ppb	2727.13	3.76	0.2	102.5	50	150	

QC ISTD Table

Element	m/z	Tune Step	CPS	%RSD	Ref CPS	%Rec	QC Low	QC High	QC Flag
Li6	6	1	864453	0.94	875670	98.7	60	125	
Sc (IS)	45	2	567082	1.10	566157	100.2	60	125	
Ge (IS)	72	1	12366979	0.74	12633047	97.9	60	125	
Ge (IS)	72	2	797722	0.30	792866	100.6	60	125	
115In	115	2	2660049	1.08	2594197	102.5	60	125	
Ho-165	165	2	17497487	0.86	17194663	101.8	60	125	

TuneStep	TuneFile
1	h2_hmi.u
2	he_hmi.u

Reporting
Limit Standard (RLSTD)

Sample Name	cri-
Data File Name	010_RL.D
DataPath	d:\DATA\050112a.B
Acq Date Time	2012-05-01T14:07:15-06:00
Type	RLSTD
VialNumber	2112
Dilution	1
Comment	
Operator	LMT
ISTDRefDataFileName	003CALB.D
SamplePassFail	Fail
ISTD PassFail	Pass

QC Analyte Table

Element	m/z	ISTD	Tune Step	Meas Value	%RSD	Units	CPS	CPS%RSD	Exp Value	%Rec	QC Low	QC High	QC Flag
Be	9	6	1	-0.01	-68.19	ppb	3.33	86.60	1	-1.1	80	120	RLSTD Main Failed
Na	23	45	2	-4.49	-57.62	ppb	6421.58	8.68	100	-4.5	80	120	RLSTD Main Failed
Mg	24	45	2	-0.43	-406.47	ppb	200.02	81.85	100	-0.4	80	120	RLSTD Main Failed
Al	27	45	2	0.57	219.82	ppb	33.34	69.29	100	0.6	80	120	RLSTD Main Failed
K	39	45	2	-18.79	-14.63	ppb	960.11	11.60	100	-18.8	80	120	RLSTD Main Failed
Ca	44	45	2	-3.41	-151.42	ppb	26.67	43.30	100	-3.4	80	120	RLSTD Main Failed
V	51	72	2	0.08	48.10	ppb	41.85	117.13	1	8.2	80	120	RLSTD Main Failed
Cr	52	72	2	0.01	194.80	ppb	180.02	29.40	1	1.5	80	120	RLSTD Main Failed
Mn	55	72	2	-0.09	-21.64	ppb	73.34	15.74	1	-9.0	80	120	RLSTD Main Failed
Fe	57	72	2	-0.03	-5457.08	ppb	233.36	24.74	100	0.0	80	120	RLSTD Main Failed
Co	59	72	2	-0.03	-21.93	ppb	13.33	173.21	1	-2.7	80	120	RLSTD Main Failed
Ni	60	72	2	-0.08	-147.64	ppb	226.69	58.75	1	-7.8	80	120	RLSTD Main Failed
Cu	63	72	2	-0.03	-261.94	ppb	1946.98	12.56	1	-2.7	80	120	RLSTD Main Failed
Zn	66	72	2	0.19	174.55	ppb	393.38	23.48	1	18.8	80	120	RLSTD Main Failed
As	75	72	2	-0.09	-74.72	ppb	10.00	100.00	1	-8.6	80	120	RLSTD Main Failed
Se	78	72	1	-0.01	-26.78	ppb	13.33	17.32	1	-1.0	80	120	RLSTD Main Failed
Nb	93	72	2	-0.15	-3.25	ppb	73.34	31.50	2	-7.3	80	120	RLSTD Main Failed
Mo	95	115	2	-0.01	-392.71	ppb	46.67	65.47	1	-0.6	80	120	RLSTD Main Failed
Pd	105	115	2	-0.01	-287.46	ppb	26.67	173.21	1	-0.6	80	120	RLSTD Main Failed
Ag	107	115	2	0.00	2631.50	ppb	66.67	69.29	1	0.0	80	120	RLSTD Main Failed
Cd	111	115	2	-0.02	-276.32	ppb	20.00	173.21	1	-2.2	80	120	RLSTD Main Failed
Sn	120	115	2	-0.06	-127.76	ppb	306.70	29.41	1	-5.8	80	120	RLSTD Main Failed
Sb	121	115	2	-0.18	-36.58	ppb	60.01	88.19	1	-17.7	80	120	RLSTD Main Failed
Ba	137	115	2	-0.11	0.00	ppb	0.00	#DIV/0!	1	-10.6	80	120	RLSTD Main Failed
W	182	165	2	-0.03	-30.58	ppb	926.77	6.23	1	-2.8	80	120	RLSTD Main Failed
Pt	195	165	2	-0.01	-57.22	ppb	26.67	173.21	1	-1.1	80	120	RLSTD Main Failed
Tl	205	165	2	0.00	-76.61	ppb	86.67	48.04	1	-0.4	80	120	RLSTD Main Failed
Pb	208	165	2	0.00	-102.59	ppb	1320.15	6.60	1	-0.5	80	120	RLSTD Main Failed
Th	232	165	2	-0.03	-25.76	ppb	253.36	45.58	1	-2.8	80	120	RLSTD Main Failed
U	238	165	2	-0.01	-38.92	ppb	60.01	88.19	1	-0.7	80	120	RLSTD Main Failed

QC ISTD Table

Element	m/z	Tune Step	CPS	%RSD	Ref CPS	%Rec	QC Low	QC High	QC Flag
Li6	6	1	1367922	8.21	875670	156.2	60	125	IS Main Failed
Sc (IS)	45	2	976313	0.98	566157	172.4	60	125	IS Main Failed
Ge (IS)	72	1	20037948	8.10	12633047	158.6	60	125	IS Main Failed
Ge (IS)	72	2	1395325	0.83	792866	176.0	60	125	IS Main Failed
115In	115	2	4243037	1.22	2594197	163.6	60	125	IS Main Failed
Ho-165	165	2	28169934	1.74	17194663	163.8	60	125	IS Main Failed

TuneStep	TuneFile	TuneDate
1	h2_hmi.u	5/1/2012 2:05:00 PM
2	he_hmi.u	5/1/2012 2:05:00 PM

Reporting
Limit Standard (RLSTD)

Sample Name	cri-
Data File Name	011_RL.D
DataPath	d:\DATA\050112a.B
Acq Date Time	2012-05-01T14:11:13-06:00
Type	RLSTD
VialNumber	2112
Dilution	1
Comment	
Operator	LMT
ISTDRefDataFileName	003CALB.D
SamplePassFail	Fail
ISTD PassFail	Pass

QC Analyte Table

Element	m/z	ISTD	Tune Step	Meas Value	%RSD	Units	CPS	CPS%RSD	Exp Value	%Rec	QC Low	QC High	QC Flag
Be	9	6	1	-0.02	0.00	ppb	0.00	#DIV/0!	1	-2.0	80	120	RLSTD Main Failed
Na	23	45	2	2.85	160.11	ppb	4701.05	13.40	100	2.8	80	120	RLSTD Main Failed
Mg	24	45	2	0.50	298.32	ppb	166.68	48.50	100	0.5	80	120	RLSTD Main Failed
Al	27	45	2	0.01	38920.17	ppb	13.33	173.21	100	0.0	80	120	RLSTD Main Failed
K	39	45	2	-5.24	-190.41	ppb	873.42	26.74	100	-5.2	80	120	RLSTD Main Failed
Ca	44	45	2	5.15	450.62	ppb	26.67	114.57	100	5.2	80	120	RLSTD Main Failed
V	51	72	2	0.12	81.97	ppb	54.40	133.29	1	12.5	80	120	RLSTD Main Failed
Cr	52	72	2	0.01	257.79	ppb	100.01	34.64	1	1.2	80	120	RLSTD Main Failed
Mn	55	72	2	0.21	86.34	ppb	146.68	43.83	1	20.6	80	120	RLSTD Main Failed
Fe	57	72	2	-2.84	-77.00	ppb	73.34	62.99	100	-2.8	80	120	RLSTD Main Failed
Co	59	72	2	0.00	-577.07	ppb	60.00	66.67	1	-0.3	80	120	RLSTD Main Failed
Ni	60	72	2	-0.10	-88.03	ppb	113.35	50.94	1	-10.1	80	120	RLSTD Main Failed
Cu	63	72	2	0.12	38.81	ppb	1386.86	6.01	1	11.7	80	120	RLSTD Main Failed
Zn	66	72	2	11.50	9.41	ppb	2060.31	9.26	1	1150.0	80	120	RLSTD Main Failed
As	75	72	2	-0.11	-57.96	ppb	3.33	173.21	1	-11.2	80	120	RLSTD Main Failed
Se	78	72	1	0.00	76.64	ppb	12.00	0.00	1	0.1	80	120	RLSTD Main Failed
Nb	93	72	2	-0.07	-48.49	ppb	240.02	38.19	2	-3.6	80	120	RLSTD Main Failed
Mo	95	115	2	-0.03	-41.85	ppb	6.67	173.21	1	-3.4	80	120	RLSTD Main Failed
Pd	105	115	2	-0.01	-88.40	ppb	13.33	86.60	1	-0.8	80	120	RLSTD Main Failed
Ag	107	115	2	0.00	-669.72	ppb	33.34	124.90	1	-0.2	80	120	RLSTD Main Failed
Cd	111	115	2	0.00	8605.18	ppb	20.00	100.00	1	0.1	80	120	RLSTD Main Failed
Sn	120	115	2	10.85	8.98	ppb	8622.77	9.69	1	1085.1	80	120	RLSTD Main Failed
Sb	121	115	2	-0.08	-31.20	ppb	86.68	13.32	1	-7.9	80	120	RLSTD Main Failed
Ba	137	115	2	-0.11	0.00	ppb	0.00	#DIV/0!	1	-10.6	80	120	RLSTD Main Failed
W	182	165	2	0.03	138.38	ppb	860.11	24.50	1	3.2	80	120	RLSTD Main Failed
Pt	195	165	2	0.00	-15844.10	ppb	66.67	75.50	1	0.0	80	120	RLSTD Main Failed
Tl	205	165	2	0.01	94.74	ppb	153.35	39.85	1	0.8	80	120	RLSTD Main Failed
Pb	208	165	2	0.01	348.74	ppb	953.45	34.62	1	0.9	80	120	RLSTD Main Failed
Th	232	165	2	0.00	-19.99	ppb	393.37	2.94	1	-0.4	80	120	RLSTD Main Failed
U	238	165	2	-0.01	-34.97	ppb	33.34	91.66	1	-0.7	80	120	RLSTD Main Failed

QC ISTD Table

Element	m/z	Tune Step	CPS	%RSD	Ref CPS	%Rec	QC Low	QC High	QC Flag
Li6	6	1	873498	2.44	875670	99.8	60	125	
Sc (IS)	45	2	564183	0.36	566157	99.7	60	125	
Ge (IS)	72	1	12347480	1.82	12633047	97.7	60	125	
Ge (IS)	72	2	792077	0.74	792866	99.9	60	125	
115In	115	2	2606687	1.48	2594197	100.5	60	125	
Ho-165	165	2	17303851	0.97	17194663	100.6	60	125	

TuneStep	TuneFile	TuneDate
1	h2_hmi.u	5/1/2012 2:09:00 PM
2	he_hmi.u	5/1/2012 2:09:00 PM

Interference Check Sample A (ICS-A) - US EPA Method 6020

Sample Name	icsa-1391205
Data File Name	012ICSA.D
DataPath	d:\DATA\050112a.B
Acq Date Time	2012-05-01T14:15:38-06:00
Type	6-ICSA
VialNumber	2107
Dilution	1
Comment	
Operator	LMT
ISTDRefDataFileName	003CALB.D
SamplePassFail	Fail
ISTD PassFail	Pass

QC Analyte Table

Element	m/z	ISTD	Tune Step	Meas Value	%RSD	Units	CPS	CPS%RSD	QC High	QC Flag
Be	9	6	1	0.00	2299.07	ppb	5.00	100.00	1	
V	51	72	2	0.32	106.66	ppb	186.48	126.51	1	
Cr	52	72	2	1.30	27.97	ppb	1433.53	27.29	1	6-ICSA Main Failed
Mn	55	72	2	0.16	150.57	ppb	126.68	65.73	1	
Co	59	72	2	0.00	531.25	ppb	66.67	17.32	1	
Ni	60	72	2	0.67	21.16	ppb	600.07	15.27	1	
Cu	63	72	2	0.63	16.02	ppb	2307.04	8.90	1	
Zn	66	72	2	2.68	22.13	ppb	606.74	15.58	1	6-ICSA Main Failed
As	75	72	2	0.47	62.05	ppb	53.33	47.19	1	
Se	78	72	1	0.00	-522.10	ppb	9.33	49.49	1	
Nb	93	72	2	-0.04	-137.96	ppb	320.03	43.75	1	
Pd	105	115	2	0.00	410.28	ppb	33.34	91.66	1	
Ag	107	115	2	0.06	7.20	ppb	246.69	4.68	1	
Cd	111	115	2	0.40	23.35	ppb	153.35	19.93	1	
Sn	120	115	2	0.38	23.93	ppb	513.39	11.90	1	
Sb	121	115	2	0.21	89.96	ppb	226.69	40.76	1	
Ba	137	115	2	0.26	22.91	ppb	66.67	17.31	1	
W	182	165	2	0.19	5.39	ppb	1553.58	3.93	1	
Pt	195	165	2	0.00	208.69	ppb	80.01	43.30	1	
Tl	205	165	2	0.01	74.24	ppb	180.02	40.06	1	
Pb	208	165	2	0.17	14.53	ppb	2400.32	8.82	1	
Th	232	165	2	0.23	13.26	ppb	2620.47	11.55	1	
U	238	165	2	0.01	106.56	ppb	206.69	48.71	1	

QC ISTD Table

Element	m/z	Tune Step	CPS	%RSD	Ref CPS	%Rec	QC Low	QC High	QC Flag
Li6	6	1	829250	1.44	875670	94.7	60	125	
Sc (IS)	45	2	575997	0.86	566157	101.7	60	125	
Ge (IS)	72	1	10764507	0.30	12633047	85.2	60	125	
Ge (IS)	72	2	765042	1.13	792866	96.5	60	125	
115In	115	2	2538739	1.38	2594197	97.9	60	125	
Ho-165	165	2	16278322	1.01	17194663	94.7	60	125	

TuneStep	TuneFile
1	h2_hmi.u
2	he_hmi.u

Synthetic Matrix Check Spiked Sample - US EPA Method 200.8

Sample Name	ICSAB-1372208
Data File Name	013ICSB.D
DataPath	d:\DATA\050112a.B
Acq Date Time	2012-05-01T14:18:34-06:00
Type	6-ICSAB
VialNumber	2108
Dilution	1
Comment	
Operator	LMT
ISTDRefDataFileName	003CALB.D
SamplePassFail	Pass
ISTD PassFail	Pass

QC Analyte Table

Element	m/z	ISTD	Tune Step	Meas Value	%RSD	Units	CPS	CPS%RSD	Exp Value	%Rec	QC Low	QC High	QC Flag
Be	9	6	1	101.61	1.45	ppb	25747.73	0.99	100	101.6	70	130	
Na	23	45	2	109065.11	0.28	ppb	15344476.44	0.60	110000	99.2	70	130	
Mg	24	45	2	107626.12	0.60	ppb	6180733.66	0.61	110000	97.8	70	130	
Al	27	45	2	111019.06	1.81	ppb	1208821.65	2.11	110000	100.9	70	130	
K	39	45	2	110448.83	0.64	ppb	2719178.81	0.91	110000	100.4	70	130	
Ca	44	45	2	113911.88	0.79	ppb	156772.14	0.46	110000	103.6	70	130	
V	51	72	2	106.92	3.25	ppb	75505.28	2.40	100	106.9	70	130	
Cr	52	72	2	103.18	2.42	ppb	110254.91	1.41	100	103.2	70	130	
Mn	55	72	2	111.14	2.34	ppb	39157.81	1.59	100	111.1	70	130	
Fe	57	72	2	114524.20	1.47	ppb	2401312.10	0.45	110000	104.1	70	130	
Co	59	72	2	103.75	0.71	ppb	227641.59	1.04	100	103.7	70	130	
Ni	60	72	2	103.77	0.86	ppb	67890.37	1.45	100	103.8	70	130	
Cu	63	72	2	99.12	2.32	ppb	193072.57	1.95	100	99.1	70	130	
Zn	66	72	2	104.12	5.46	ppb	16976.10	6.17	100	104.1	70	130	
As	75	72	2	99.34	6.11	ppb	8769.16	5.24	100	99.3	70	130	
Se	78	72	1	103.49	1.27	ppb	35217.27	0.93	100	103.5	70	130	
Nb	93	72	2	202.09	0.90	ppb	538168.19	0.43	200	101.0	70	130	
Mo	95	115	2	2234.16	1.11	ppb	1722815.81	2.64	2100	106.4	70	130	
Pd	105	115	2	99.40	1.47	ppb	151140.07	1.86	100	99.4	70	130	
Ag	107	115	2	96.50	1.20	ppb	335848.20	0.76	100	96.5	70	130	
Cd	111	115	2	95.85	2.43	ppb	32398.72	1.65	100	95.9	70	130	
Sn	120	115	2	102.25	2.16	ppb	77450.14	0.62	100	102.2	70	130	
Sb	121	115	2	101.54	1.25	ppb	50477.19	0.88	100	101.5	70	130	
Ba	137	115	2	105.96	8.62	ppb	19352.58	7.71	100	106.0	70	130	
W	182	165	2	104.35	1.70	ppb	483533.59	0.94	100	104.4	70	130	
Pt	195	165	2	97.74	0.33	ppb	410490.24	1.10	100	97.7	70	130	
Tl	205	165	2	100.98	0.51	ppb	764530.07	0.85	100	101.0	70	130	
Pb	208	165	2	99.83	1.24	ppb	958351.66	0.46	100	99.8	70	130	
Th	232	165	2	100.24	0.96	ppb	961813.63	0.32	100	100.2	70	130	
U	238	165	2	102.07	0.84	ppb	1212656.99	0.85	100	102.1	70	130	

QC ISTD Table

Element	m/z	Tune Step	CPS	%RSD	Ref CPS	%Rec	QC Low	QC High	QC Flag
Li6	6	1	880612	0.51	875670	100.6	60	125	
Sc (IS)	45	2	590063	0.33	566157	104.2	60	125	
Ge (IS)	72	1	11463092	0.80	12633047	90.7	60	125	
Ge (IS)	72	2	786416	1.08	792866	99.2	60	125	
115In	115	2	2548520	1.53	2594197	98.2	60	125	
Ho-165	165	2	16359684	0.78	17194663	95.1	60	125	

TuneStep	TuneFile
1	h2_hmi.u
2	he_hmi.u

Continuing Calibration Blank (CCB) - US EPA Method 6020

Sample Name	Carryover Check
Data File Name	0146CCB.D
DataPath	d:\DATA\050112a.B
Acq Date Time	2012-05-01T14:21:29-06:00
Type	6-CCB
VialNumber	2109
Dilution	1
Comment	
Operator	LMT
ISTDRefDataFileName	003CALB.D
SamplePassFail	Fail
ISTD PassFail	Pass

QC Analyte Table

Element	m/z	ISTD	Tune Step	Meas Value	%RSD	Units	CPS	CPS %RSD	QC High	QC Flag
Be	9	6	1	0.05	33.49	ppb	20.00	25.00	1	
Na	23	45	2	22.43	36.93	ppb	7842.33	15.44	20	6-CCB Main Failed
Mg	24	45	2	13.02	16.23	ppb	913.43	13.38	20	
Al	27	45	2	11.92	48.89	ppb	146.68	43.83	20	
K	39	45	2	10.36	93.35	ppb	1326.83	18.61	20	
Ca	44	45	2	-0.87	-2853.11	ppb	20.00	173.21	20	
V	51	72	2	0.03	106.16	ppb	-14.21	-170.85	1	
Cr	52	72	2	0.08	142.27	ppb	186.69	71.34	1	
Mn	55	72	2	-0.03	-242.76	ppb	66.67	45.83	1	
Fe	57	72	2	16.55	49.79	ppb	520.06	36.69	20	
Co	59	72	2	-0.01	-189.07	ppb	46.67	98.98	1	
Ni	60	72	2	-0.14	-108.68	ppb	93.34	118.02	1	
Cu	63	72	2	-0.09	-42.46	ppb	1066.79	7.80	1	
Zn	66	72	2	0.11	259.58	ppb	226.69	22.20	5	
As	75	72	2	-0.08	-148.96	ppb	6.67	173.21	5	
Se	78	72	1	0.03	89.08	ppb	26.67	45.83	5	
Nb	93	72	2	0.42	16.26	ppb	1666.89	10.89	5	
Mo	95	115	2	1.64	11.33	ppb	1413.50	10.62	1	6-CCB Main Failed
Pd	105	115	2	0.03	24.83	ppb	73.34	15.74	1	
Ag	107	115	2	0.01	112.98	ppb	86.67	58.08	1	
Cd	111	115	2	0.07	46.41	ppb	46.67	24.74	1	
Sn	120	115	2	-0.01	-380.82	ppb	240.03	14.43	5	
Sb	121	115	2	-0.13	-123.59	ppb	66.67	124.90	0.2	
Ba	137	115	2	-0.01	-1713.83	ppb	20.00	100.00	1	
W	182	165	2	0.06	47.58	ppb	1046.79	13.42	1	
Pt	195	165	2	0.01	152.68	ppb	113.34	56.73	1	
Tl	205	165	2	0.03	28.28	ppb	386.71	21.53	1	
Pb	208	165	2	0.02	123.06	ppb	1140.14	24.75	1	
Th	232	165	2	0.06	31.28	ppb	1093.48	17.58	1	
U	238	165	2	0.03	20.04	ppb	506.73	14.94	1	

QC ISTD Table

Element	m/z	Tune Step	CPS	%RSD	Ref CPS	%Rec	QC Low	QC High	QC Flag
Li6	6	1	942528	0.64	875670	107.6	60	125	
Sc (IS)	45	2	603178	0.32	566157	106.5	60	125	
Ge (IS)	72	1	13786154	0.53	12633047	109.1	60	125	
Ge (IS)	72	2	851574	0.90	792866	107.4	60	125	
115In	115	2	2772595	0.58	2594197	106.9	60	125	
Ho-165	165	2	18281652	0.85	17194663	106.3	60	125	

TuneStep	TuneFile
1	h2_hmi.u
2	he_hmi.u

Linear Range Sample (LR)

Sample Name	lra-1305595
Data File Name	015_LR.D
DataPath	d:\DATA\050112a.B
Acq Date Time	2012-05-01T14:24:26-06:00
Type	LR
VialNumber	2110
Dilution	1
Comment	
Operator	LMT
ISTDRefDataFileName	003CALB.D
SamplePassFail	Pass
ISTD PassFail	Pass

QC Analyte Table

Element	m/z	ISTD	Tune Step	Meas Value	%RSD	Units	CPS	CPS%RSD	Exp Value	%Rec	QC Low	QC High	QC Flag
Be	9	6	1	1976.41	8.17	ppb	485966.27	3.18	2000	98.8	90	110	
V	51	72	2	2061.28	0.89	ppb	1338588.15	1.03	2000	103.1	90	110	
Cr	52	72	2	4821.08	1.11	ppb	4731632.64	1.10	5000	96.4	90	110	
Mn	55	72	2	10091.63	0.47	ppb	3261770.26	0.36	10000	100.9	90	110	
Co	59	72	2	2002.56	0.24	ppb	4036959.73	0.59	2000	100.1	90	110	
Ni	60	72	2	4996.42	1.15	ppb	2996227.56	0.34	5000	99.9	90	110	
Cu	63	72	2	4935.43	0.75	ppb	8783315.91	0.15	5000	98.7	90	110	
Zn	66	72	2	5342.05	1.34	ppb	791329.47	1.49	5000	106.8	90	110	
As	75	72	2	2001.08	1.73	ppb	162151.82	0.98	2000	100.1	90	110	
Se	78	72	1	1899.30	6.55	ppb	686049.86	2.19	2000	95.0	90	110	
Mo	95	115	2	2013.75	1.05	ppb	1483317.11	1.20	2000	100.7	90	110	
Cd	111	115	2	1989.75	2.14	ppb	642207.62	1.50	2000	99.5	90	110	
Sn	120	115	2	2009.63	1.77	ppb	1450391.12	0.93	2000	100.5	90	110	
Sb	121	115	2	1861.87	2.37	ppb	882135.07	1.43	2000	93.1	90	110	
Ba	137	115	2	5002.19	2.11	ppb	872295.53	1.12	5000	100.0	90	110	
Tl	205	165	2	1988.38	0.72	ppb	15125046.86	0.16	2000	99.4	90	110	
Pb	208	165	2	4955.39	0.98	ppb	47762815.12	0.32	5000	99.1	90	110	
Th	232	165	2	1927.66	1.16	ppb	18578065.97	0.71	2000	96.4	90	110	
U	238	165	2	1973.50	1.03	ppb	23556477.98	0.24	2000	98.7	90	110	

QC ISTD Table

Element	m/z	Tune Step	CPS	%RSD	Ref CPS	%Rec	QC Low	QC High	QC Flag
Li6	6	1	857038	5.28	875670	97.9	60	125	
Sc (IS)	45	2	514214	1.53	566157	90.8	60	125	
Ge (IS)	72	1	12194754	4.57	12633047	96.5	60	125	
Ge (IS)	72	2	722716	0.82	792866	91.2	60	125	
115In	115	2	2434730	1.02	2594197	93.9	60	125	
Ho-165	165	2	16438725	0.81	17194663	95.6	60	125	

TuneStep	TuneFile
1	h2_hmi.u
2	he_hmi.u

Blank (Blank) - US EPA Method 6020

Sample Name	rinse
Data File Name	016BLNK.D
DataPath	d:\DATA\050112a.B
Acq Date Time	2012-05-01T14:27:21-06:00
Type	6-Blank
VialNumber	2111
Dilution	1
Comment	
Operator	LMT
ISTDRefDataFileName	003CALB.D
SamplePassFail	Fail
ISTD PassFail	Pass

QC Analyte Table

Element	m/z	ISTD	Tune Step	Meas Value	%RSD	Units	CPS	CPS %RSD	QC High	QC Flag
Be	9	6	1	0.95	15.26	ppb	235.01	16.89	1	
Na	23	45	2	6.70	27.70	ppb	4834.39	4.56	20	
Mg	24	45	2	1.91	77.55	ppb	226.68	33.41	20	
Al	27	45	2	1.49	160.30	ppb	26.67	86.60	20	
K	39	45	2	7.16	140.62	ppb	1080.13	20.62	20	
Ca	44	45	2	23.09	107.88	ppb	46.67	65.47	20	6-Blank Main Failed
V	51	72	2	0.46	34.53	ppb	275.95	39.47	1	
Cr	52	72	2	0.84	26.23	ppb	933.45	24.84	1	
Mn	55	72	2	1.56	29.45	ppb	586.73	25.13	1	6-Blank Main Failed
Fe	57	72	2	1.73	170.12	ppb	160.02	37.50	20	
Co	59	72	2	0.25	22.40	ppb	586.73	19.68	1	
Ni	60	72	2	0.75	32.20	ppb	633.40	22.85	1	
Cu	63	72	2	0.76	34.38	ppb	2487.10	19.19	1	
Zn	66	72	2	-0.14	-178.57	ppb	160.02	25.00	5	
As	75	72	2	0.49	29.39	ppb	53.33	21.65	5	
Se	78	72	1	0.77	7.56	ppb	285.34	7.97	5	
Nb	93	72	2	0.03	136.14	ppb	473.38	19.97	5	
Mo	95	115	2	1.93	13.81	ppb	1460.20	13.07	1	6-Blank Main Failed
Pd	105	115	2	-0.01	-197.97	ppb	13.33	173.21	1	
Ag	107	115	2	0.01	321.77	ppb	60.00	120.19	1	
Cd	111	115	2	0.11	88.55	ppb	53.34	57.29	1	
Sn	120	115	2	1.18	11.99	ppb	1080.14	9.80	5	
Sb	121	115	2	12.29	12.56	ppb	5988.27	12.72	0.2	6-Blank Main Failed
Ba	137	115	2	0.88	57.79	ppb	173.35	52.03	1	
W	182	165	2	0.03	16.08	ppb	846.77	2.73	1	
Pt	195	165	2	0.00	-1042.79	ppb	60.01	88.19	1	
Tl	205	165	2	0.47	19.92	ppb	3754.15	19.08	1	
Pb	208	165	2	0.82	15.26	ppb	8861.94	13.45	1	
Th	232	165	2	7.79	13.33	ppb	77013.08	13.68	1	6-Blank Main Failed
U	238	165	2	0.69	9.12	ppb	8483.17	8.63	1	

QC ISTD Table

Element	m/z	Tune Step	CPS	%RSD	Ref CPS	%Rec	QC Low	QC High	QC Flag
Li6	6	1	837275	2.20	875670	95.6	60	125	
Sc (IS)	45	2	522726	0.33	566157	92.3	60	125	
Ge (IS)	72	1	11960849	0.75	12633047	94.7	60	125	
Ge (IS)	72	2	745269	1.03	792866	94.0	60	125	
115In	115	2	2452713	0.57	2594197	94.5	60	125	
Ho-165	165	2	16769489	0.42	17194663	97.5	60	125	

TuneStep	TuneFile
1	h2_hmi.u
2	he_hmi.u

Continuing Calibration Verification (CCV) - US EPA Method 6020

Sample Name	ccv-1392320
Data File Name	0176CCV.D
DataPath	d:\DATA\050112a.B
Acq Date Time	2012-05-01T14:30:20-06:00
Type	6-CCV
VialNumber	1107
Dilution	1
Comment	
Operator	LMT
ISTDRefDataFileName	003CALB.D
SamplePassFail	Pass
ISTD PassFail	Pass

QC Analyte Table

Element	m/z	ISTD	Tune Step	Meas Value	%RSD	Units	CPS	CPS%RSD	Exp Value	%Rec	QC Low	QC High	QC Flag
Be	9	6	1	51.26	1.42	ppb	12472.60	1.16	50	102.5	90	110	
Na	23	45	2	4826.08	2.05	ppb	633154.07	1.45	5000	96.5	90	110	
Mg	24	45	2	4792.86	3.24	ppb	255142.18	2.15	5000	95.9	90	110	
Al	27	45	2	4767.45	3.17	ppb	48104.89	2.05	5000	95.3	90	110	
K	39	45	2	4785.01	3.43	ppb	110062.83	2.10	5000	95.7	90	110	
Ca	44	45	2	5155.09	9.05	ppb	6588.37	7.80	5000	103.1	90	110	
V	51	72	2	49.40	4.19	ppb	33744.57	4.11	50	98.8	90	110	
Cr	52	72	2	47.72	4.24	ppb	49383.35	3.51	50	95.4	90	110	
Mn	55	72	2	49.34	9.15	ppb	16856.00	8.84	50	98.7	90	110	
Fe	57	72	2	4810.62	3.18	ppb	97711.67	2.48	5000	96.2	90	110	
Co	59	72	2	49.40	5.90	ppb	104873.52	5.17	50	98.8	90	110	
Ni	60	72	2	48.60	4.41	ppb	30848.41	3.70	50	97.2	90	110	
Cu	63	72	2	48.69	4.25	ppb	92318.67	3.54	50	97.4	90	110	
Zn	66	72	2	54.47	7.25	ppb	8676.11	6.76	50	108.9	90	110	
As	75	72	2	46.90	5.88	ppb	4013.95	5.85	50	93.8	90	110	
Se	78	72	1	50.04	0.68	ppb	17890.43	0.50	50	100.1	90	110	
Nb	93	72	2	96.60	3.55	ppb	249079.99	2.81	100	96.6	90	110	
Mo	95	115	2	49.49	3.49	ppb	38063.66	1.97	50	99.0	90	110	
Pd	105	115	2	49.89	6.88	ppb	75594.37	5.03	50	99.8	90	110	
Ag	107	115	2	48.86	4.82	ppb	169501.24	3.36	50	97.7	90	110	
Cd	111	115	2	48.51	4.40	ppb	16355.85	3.16	50	97.0	90	110	
Sn	120	115	2	49.14	2.38	ppb	37229.01	0.83	50	98.3	90	110	
Sb	121	115	2	52.36	4.32	ppb	26015.08	4.86	50	104.7	90	110	
Ba	137	115	2	47.42	4.96	ppb	8649.62	4.99	50	94.8	90	110	
W	182	165	2	49.66	4.02	ppb	244050.67	2.36	50	99.3	90	110	
Pt	195	165	2	48.65	3.91	ppb	216402.41	2.25	50	97.3	90	110	
Tl	205	165	2	49.21	1.84	ppb	394653.86	0.86	50	98.4	90	110	
Pb	208	165	2	48.99	3.57	ppb	498528.33	2.07	50	98.0	90	110	
Th	232	165	2	54.69	4.38	ppb	555870.25	2.83	50	109.4	90	110	
U	238	165	2	49.21	2.53	ppb	619244.04	0.90	50	98.4	90	110	

QC ISTD Table

Element	m/z	Tune Step	CPS	%RSD	Ref CPS	%Rec	QC Low	QC High	QC Flag
Li6	6	1	845565	2.59	875670	96.6	60	125	
Sc (IS)	45	2	546833	1.38	566157	96.6	60	125	
Ge (IS)	72	1	12038910	0.49	12633047	95.3	60	125	
Ge (IS)	72	2	760890	0.76	792866	96.0	60	125	
115In	115	2	2541121	2.00	2594197	98.0	60	125	
Ho-165	165	2	17331480	1.71	17194663	100.8	60	125	

TuneStep	TuneFile
1	h2_hmi.u
2	he_hmi.u

Continuing Calibration Blank (CCB) - US EPA Method 6020

Sample Name	ccb-1392356
Data File Name	0186CCB.D
DataPath	d:\DATA\050112a.B
Acq Date Time	2012-05-01T14:33:18-06:00
Type	6-CCB
VialNumber	1307
Dilution	1
Comment	
Operator	LMT
ISTDRefDataFileName	003CALB.D
SamplePassFail	Fail
ISTD PassFail	Pass

QC Analyte Table

Element	m/z	ISTD	Tune Step	Meas Value	%RSD	Units	CPS	CPS %RSD	QC High	QC Flag
Be	9	6	1	0.05	113.82	ppb	18.33	83.32	1	
Na	23	45	2	0.22	1108.47	ppb	4260.85	9.00	20	
Mg	24	45	2	1.05	36.66	ppb	193.35	11.94	20	
Al	27	45	2	-1.27	0.00	ppb	0.00	#DIV/0!	20	
K	39	45	2	-2.20	-201.56	ppb	926.76	12.27	20	
Ca	44	45	2	5.59	421.96	ppb	26.67	114.57	20	
V	51	72	2	0.11	93.87	ppb	45.00	164.49	1	
Cr	52	72	2	0.10	21.81	ppb	186.69	12.37	1	
Mn	55	72	2	0.20	146.69	ppb	140.01	71.43	1	
Fe	57	72	2	3.71	85.44	ppb	206.69	31.11	20	
Co	59	72	2	0.05	62.67	ppb	166.68	38.57	1	
Ni	60	72	2	0.03	293.22	ppb	193.35	26.04	1	
Cu	63	72	2	0.10	107.63	ppb	1320.16	15.38	1	
Zn	66	72	2	0.03	1314.01	ppb	193.35	31.60	5	
As	75	72	2	-0.15	0.00	ppb	0.00	#DIV/0!	5	
Se	78	72	1	0.13	31.22	ppb	58.67	25.81	5	
Nb	93	72	2	0.58	22.31	ppb	1933.60	17.51	5	
Mo	95	115	2	0.22	28.19	ppb	206.69	24.35	1	
Pd	105	115	2	0.02	110.84	ppb	53.34	57.29	1	
Ag	107	115	2	0.01	231.28	ppb	66.67	96.44	1	
Cd	111	115	2	-0.04	-88.51	ppb	6.67	173.21	1	
Sn	120	115	2	0.17	89.84	ppb	360.04	33.33	5	
Sb	121	115	2	2.06	9.24	ppb	1146.82	7.87	0.2	6-CCB Main Failed
Ba	137	115	2	0.00	2751.86	ppb	20.00	100.00	1	
W	182	165	2	0.06	8.20	ppb	980.13	2.04	1	
Pt	195	165	2	0.01	64.50	ppb	113.35	26.96	1	
Tl	205	165	2	0.07	23.50	ppb	620.07	19.62	1	
Pb	208	165	2	0.10	25.88	ppb	1906.91	14.99	1	
Th	232	165	2	0.16	38.96	ppb	2067.02	30.52	1	
U	238	165	2	0.08	14.74	ppb	1073.46	13.74	1	

QC ISTD Table

Element	m/z	Tune Step	CPS	%RSD	Ref CPS	%Rec	QC Low	QC High	QC Flag
Li6	6	1	878749	1.60	875670	100.4	60	125	
Sc (IS)	45	2	552651	1.65	566157	97.6	60	125	
Ge (IS)	72	1	12365567	0.86	12633047	97.9	60	125	
Ge (IS)	72	2	774633	0.53	792866	97.7	60	125	
115In	115	2	2549587	1.39	2594197	98.3	60	125	
Ho-165	165	2	17199729	0.68	17194663	100.0	60	125	

TuneStep	TuneFile
1	h2_hmi.u
2	he_hmi.u

Low Level Continuing Calibration Verification (LLCCV) - US EPA Method 6020

Sample Name	ccvl-1392322
Data File Name	019RLCV.D
DataPath	d:\DATA\050112a.B
Acq Date Time	2012-05-01T14:36:14-06:00
Type	CCVL
VialNumber	1102
Dilution	1
Comment	
Operator	LMT
ISTDRefDataFileName	003CALB.D
SamplePassFail	Fail
ISTD PassFail	Pass

QC Analyte Table

Element	m/z	ISTD	Tune Step	Meas Value	%RSD	Units	CPS	CPS%RSD	Exp Value	%Rec	QC Low	QC High	QC Flag
Be	9	6	1	1.09	18.01	ppb	281.68	15.10	1	108.9	70	130	
Na	23	45	2	48.39	10.36	ppb	10703.92	5.97	50	96.8	70	130	
Mg	24	45	2	51.36	4.84	ppb	2927.13	4.39	50	102.7	70	130	
Al	27	45	2	27.30	26.59	ppb	293.37	23.94	30	91.0	70	130	
K	39	45	2	97.57	17.43	ppb	3253.87	11.04	100	97.6	70	130	
Ca	44	45	2	66.53	56.15	ppb	106.68	47.18	50	133.1	70	130	CCVL Main Failed
V	51	72	2	5.80	28.95	ppb	4042.03	29.21	5	116.0	70	130	
Cr	52	72	2	2.06	12.12	ppb	2273.71	11.07	2	103.1	70	130	
Mn	55	72	2	1.16	16.59	ppb	480.05	14.43	1	116.5	70	130	
Fe	57	72	2	60.16	18.63	ppb	1386.86	17.33	50	120.3	70	130	
Co	59	72	2	1.08	10.61	ppb	2420.40	10.15	1	107.9	70	130	
Ni	60	72	2	1.90	15.07	ppb	1413.51	13.60	2	95.2	70	130	
Cu	63	72	2	2.38	6.46	ppb	5721.38	4.59	2	118.9	70	130	
Zn	66	72	2	11.50	2.17	ppb	2033.66	2.48	10	115.0	70	130	
As	75	72	2	4.68	2.03	ppb	423.36	1.36	5	93.6	70	130	
Se	78	72	1	5.35	2.54	ppb	2013.48	3.36	5	107.0	70	130	
Nb	93	72	2	0.07	59.19	ppb	620.06	17.96	40	0.2	70	130	CCVL Main Failed
Mo	95	115	2	2.28	21.38	ppb	1813.58	22.61	2	113.8	70	130	
Pd	105	115	2	-0.01	-176.74	ppb	13.33	173.21	1	-0.8	70	130	CCVL Main Failed
Ag	107	115	2	5.44	2.78	ppb	19212.10	2.76	5	108.8	70	130	
Cd	111	115	2	1.13	37.15	ppb	406.71	36.25	1	112.8	70	130	
Sn	120	115	2	10.74	2.79	ppb	8442.89	3.81	10	107.4	70	130	
Sb	121	115	2	3.86	22.88	ppb	2067.00	22.37	2	193.0	70	130	CCVL Main Failed
Ba	137	115	2	1.27	71.50	ppb	253.35	64.30	1	127.4	70	130	
W	182	165	2	0.02	54.47	ppb	826.78	7.78	5	0.5	70	130	CCVL Main Failed
Pt	195	165	2	0.00	-696.14	ppb	60.01	88.19	1	-0.2	70	130	CCVL Main Failed
Tl	205	165	2	1.05	2.42	ppb	8529.70	2.23	1	104.8	70	130	
Pb	208	165	2	1.11	7.65	ppb	12236.25	7.03	1	111.5	70	130	
Th	232	165	2	1.86	2.85	ppb	19447.00	2.71	2	93.2	70	130	
U	238	165	2	1.06	3.50	ppb	13466.99	3.46	1	105.6	70	130	

QC ISTD Table

Element	m/z	Tune Step	CPS	%RSD	Ref CPS	%Rec	QC Low	QC High	QC Flag
Li6	6	1	885793	3.68	875670	101.2	60	125	
Sc (IS)	45	2	558025	1.65	566157	98.6	60	125	
Ge (IS)	72	1	12599233	0.85	12633047	99.7	60	125	
Ge (IS)	72	2	782115	0.60	792866	98.6	60	125	
115In	115	2	2579897	1.71	2594197	99.4	60	125	
Ho-165	165	2	17401368	0.23	17194663	101.2	60	125	

TuneStep	TuneFile
1	h2_hmi.u
2	he_hmi.u

Sample Report

Sample Name	MB 280-117185/1-A
Data File Name	020SMPL.D
DataPath	d:\DATA\050112a.B
Acq Date Time	2012-05-01T14:39:13-06:00
Type	Sample
VialNumber	4101
Dilution	1
Comment	117185 6020
Operator	LMT
ISTDRefDataFileName	003CALB.D
SamplePassFail	Pass
ISTD PassFail	Pass

QC Analyte Table

Element	m/z	ISTD	Tune Step	Meas Value	FinalConc	%RSD	Units	CPS	CPS %RSD	High Value	QC Flag
Be	9	6	1	0.01	0.01	152.95	ppb	6.67	43.30	3600	
Na	23	45	2	-0.07	-0.07	-7170.90	ppb	4134.14	6.54	1800000	
Mg	24	45	2	1.21	1.21	205.76	ppb	193.36	56.98	450000	
Al	27	45	2	2.63	2.63	70.74	ppb	40.00	50.00	450000	
K	39	45	2	0.05	0.05	27225.75	ppb	946.78	20.74	180000	
Ca	44	45	2	4.75	4.75	441.81	ppb	26.67	114.57	450000	
V	51	72	2	0.18	0.18	65.14	ppb	85.64	80.87	3600	
Cr	52	72	2	0.08	0.08	158.01	ppb	160.01	69.60	3600	
Mn	55	72	2	0.08	0.08	344.60	ppb	100.01	100.00	3600	
Fe	57	72	2	-2.46	-2.46	-51.84	ppb	80.01	43.30	90000	
Co	59	72	2	0.08	0.08	20.36	ppb	233.35	4.95	3600	
Ni	60	72	2	-0.10	-0.10	-140.74	ppb	106.68	75.78	3600	
Cu	63	72	2	0.05	0.05	351.58	ppb	1213.46	28.85	3600	
Zn	66	72	2	-0.29	-0.29	-86.27	ppb	140.01	24.74	3600	
As	75	72	2	0.18	0.18	158.30	ppb	26.67	78.06	3600	
Se	78	72	1	0.01	0.01	292.37	ppb	16.00	86.60	3600	
Nb	93	72	2	0.16	0.16	36.03	ppb	820.10	8.45	7200	
Mo	95	115	2	0.07	0.07	128.17	ppb	80.01	66.14	3600	
Pd	105	115	2	-0.01	-0.01	-69.92	ppb	6.67	173.21	3600	
Ag	107	115	2	0.00	0.00	207.71	ppb	46.67	24.75	900	
Cd	111	115	2	-0.02	-0.02	-153.33	ppb	13.33	86.60	3600	
Sn	120	115	2	0.80	0.80	26.30	ppb	833.44	7.33	3600	
Sb	121	115	2	0.78	0.78	28.87	ppb	526.72	32.30	3600	
Ba	137	115	2	-0.11	-0.11	0.00	ppb	0.00	#DIV/0!	3600	
W	182	165	2	0.01	0.01	179.76	ppb	773.41	25.52	3600	
Pt	195	165	2	0.00	0.00	-618.17	ppb	60.01	100.00	3600	
Tl	205	165	2	0.04	0.04	12.75	ppb	440.05	19.81	3600	
Pb	208	165	2	0.03	0.03	113.72	ppb	1173.46	34.15	3600	
Th	232	165	2	0.53	0.53	11.67	ppb	5741.56	3.88	3600	
U	238	165	2	0.02	0.02	33.99	ppb	406.71	15.03	3600	

QC ISTD Table

Element	m/z	Tune Step	CPS	%RSD	Ref CPS	%Rec	Lower Limit	Upper Limit	QC Flag
Li6	6	1	835775	1.80	875670	95.4	60	125	
Sc (IS)	45	2	548444	12.37	566157	96.9	60	125	
Ge (IS)	72	1	11876903	1.15	12633047	94.0	60	125	
Ge (IS)	72	2	764967	10.59	792866	96.5	60	125	
115In	115	2	2581201	11.21	2594197	99.5	60	125	
Ho-165	165	2	17278334	12.09	17194663	100.5	60	125	

TuneStep	TuneFile	TuneDate
1	h2_hmi.u	5/1/2012 2:37:00 PM
2	he_hmi.u	5/1/2012 2:37:00 PM

Sample Report

Sample Name	LCS 280-117185/2-A
Data File Name	021SMPL.D
DataPath	d:\DATA\050112a.B
Acq Date Time	2012-05-01T14:42:11-06:00
Type	Sample
VialNumber	4102
Dilution	1
Comment	117185 6020
Operator	LMT
ISTDRefDataFileName	003CALB.D
SamplePassFail	Pass
ISTD PassFail	Pass

QC Analyte Table

Element	m/z	ISTD	Tune Step	Meas Value	FinalConc	%RSD	Units	CPS	CPS %RSD	High Value	QC Flag
Be	9	6	1	36.46	36.46	7.65	ppb	8777.18	7.22	3600	
Na	23	45	2	0.42	0.42	430.53	ppb	4287.51	5.91	1800000	
Mg	24	45	2	0.80	0.80	47.62	ppb	180.02	11.11	450000	
Al	27	45	2	1.34	1.34	168.78	ppb	26.67	86.60	450000	
K	39	45	2	1.24	1.24	1260.57	ppb	1006.78	36.22	180000	
Ca	44	45	2	-15.14	-15.14	0.00	ppb	0.00	#DIV/0!	450000	
V	51	72	2	37.83	37.83	8.69	ppb	26446.42	8.29	3600	
Cr	52	72	2	38.71	38.71	1.76	ppb	41035.92	1.40	3600	
Mn	55	72	2	41.24	41.24	5.39	ppb	14440.14	5.09	3600	
Fe	57	72	2	-0.52	-0.52	-323.09	ppb	120.01	28.87	90000	
Co	59	72	2	39.42	39.42	2.48	ppb	85732.54	2.27	3600	
Ni	60	72	2	41.83	41.83	6.90	ppb	27222.54	7.25	3600	
Cu	63	72	2	39.72	39.72	0.24	ppb	77335.17	0.59	3600	
Zn	66	72	2	38.29	38.29	8.35	ppb	6301.61	7.70	3600	
As	75	72	2	36.53	36.53	8.12	ppb	3203.74	7.71	3600	
Se	78	72	1	36.27	36.27	0.58	ppb	12822.06	0.40	3600	
Nb	93	72	2	0.07	0.07	59.74	ppb	613.41	17.96	7200	
Mo	95	115	2	42.08	42.08	2.53	ppb	33373.68	2.92	3600	
Pd	105	115	2	0.00	0.00	-297.17	ppb	20.00	100.00	3600	
Ag	107	115	2	40.27	40.27	1.54	ppb	144055.50	1.35	900	
Cd	111	115	2	37.77	37.77	3.24	ppb	13132.65	2.77	3600	
Sn	120	115	2	40.46	40.46	2.84	ppb	31644.92	3.28	3600	
Sb	121	115	2	40.05	40.05	5.10	ppb	20534.09	4.61	3600	
Ba	137	115	2	40.29	40.29	8.52	ppb	7575.72	8.07	3600	
W	182	165	2	0.06	0.06	21.04	ppb	1013.46	6.93	3600	
Pt	195	165	2	-0.01	-0.01	-21.28	ppb	13.33	86.60	3600	
Tl	205	165	2	40.66	40.66	1.61	ppb	328030.11	1.25	3600	
Pb	208	165	2	40.62	40.62	0.35	ppb	416060.88	0.72	3600	
Th	232	165	2	38.30	38.30	1.68	ppb	391807.70	1.05	3600	
U	238	165	2	40.33	40.33	0.64	ppb	510571.55	0.15	3600	

QC ISTD Table

Element	m/z	Tune Step	CPS	%RSD	Ref CPS	%Rec	Lower Limit	Upper Limit	QC Flag
Li6	6	1	836386	0.62	875670	95.5	60	125	
Sc (IS)	45	2	553097	0.42	566157	97.7	60	125	
Ge (IS)	72	1	11901749	0.27	12633047	94.2	60	125	
Ge (IS)	72	2	779097	0.44	792866	98.3	60	125	
115In	115	2	2618829	0.51	2594197	100.9	60	125	
Ho-165	165	2	17430988	0.64	17194663	101.4	60	125	

TuneStep	TuneFile	TuneDate
1	h2_hmi.u	5/1/2012 2:40:00 PM
2	he_hmi.u	5/1/2012 2:40:00 PM

Sample Report

Sample Name	LCSD 280-117185/3-A
Data File Name	022SMPL.D
DataPath	d:\DATA\050112a.B
Acq Date Time	2012-05-01T14:45:08-06:00
Type	Sample
VialNumber	4103
Dilution	1
Comment	117185 6020
Operator	LMT
ISTDRefDataFileName	003CALB.D
SamplePassFail	Pass
ISTD PassFail	Pass

QC Analyte Table

Element	m/z	ISTD	Tune Step	Meas Value	FinalConc	%RSD	Units	CPS	CPS %RSD	High Value	QC Flag
Be	9	6	1	37.78	37.78	1.79	ppb	9147.35	1.82	3600	
Na	23	45	2	-1.53	-1.53	-127.73	ppb	3954.12	6.12	1800000	
Mg	24	45	2	-0.39	-0.39	-213.53	ppb	113.35	36.74	450000	
Al	27	45	2	2.73	2.73	73.15	ppb	40.00	50.01	450000	
K	39	45	2	-7.35	-7.35	-117.41	ppb	793.42	25.25	180000	
Ca	44	45	2	0.83	0.83	1942.20	ppb	20.00	100.00	450000	
V	51	72	2	41.70	41.70	5.57	ppb	28743.54	5.58	3600	
Cr	52	72	2	39.37	39.37	1.62	ppb	41135.85	1.74	3600	
Mn	55	72	2	42.08	42.08	4.64	ppb	14520.43	4.26	3600	
Fe	57	72	2	5.08	5.08	94.34	ppb	233.36	42.28	90000	
Co	59	72	2	41.00	41.00	1.71	ppb	87875.92	1.65	3600	
Ni	60	72	2	42.01	42.01	3.62	ppb	26942.02	3.56	3600	
Cu	63	72	2	41.72	41.72	4.14	ppb	80000.81	4.20	3600	
Zn	66	72	2	40.30	40.30	10.59	ppb	6528.42	10.19	3600	
As	75	72	2	34.31	34.31	2.73	ppb	2967.03	2.53	3600	
Se	78	72	1	36.09	36.09	2.45	ppb	12672.63	2.19	3600	
Nb	93	72	2	0.08	0.08	78.66	ppb	620.07	25.20	7200	
Mo	95	115	2	40.66	40.66	4.51	ppb	31624.43	4.02	3600	
Pd	105	115	2	0.01	0.01	144.99	ppb	40.00	50.01	3600	
Ag	107	115	2	41.29	41.29	2.91	ppb	144827.71	1.84	900	
Cd	111	115	2	38.42	38.42	6.96	ppb	13099.43	6.70	3600	
Sn	120	115	2	40.45	40.45	4.09	ppb	31024.07	3.56	3600	
Sb	121	115	2	39.43	39.43	0.52	ppb	19832.91	0.80	3600	
Ba	137	115	2	39.52	39.52	9.78	ppb	7295.55	10.64	3600	
W	182	165	2	0.02	0.02	142.24	ppb	826.78	20.58	3600	
Pt	195	165	2	-0.01	-0.01	-71.92	ppb	40.00	50.00	3600	
Tl	205	165	2	41.62	41.62	0.22	ppb	334251.17	0.52	3600	
Pb	208	165	2	41.62	41.62	1.80	ppb	424261.74	1.74	3600	
Th	232	165	2	40.34	40.34	0.93	ppb	410780.82	1.34	3600	
U	238	165	2	41.54	41.54	0.90	ppb	523507.10	0.79	3600	

QC ISTD Table

Element	m/z	Tune Step	CPS	%RSD	Ref CPS	%Rec	Lower Limit	Upper Limit	QC Flag
Li6	6	1	840999	0.43	875670	96.0	60	125	
Sc (IS)	45	2	542684	1.57	566157	95.9	60	125	
Ge (IS)	72	1	11823041	0.61	12633047	93.6	60	125	
Ge (IS)	72	2	767911	0.39	792866	96.9	60	125	
115In	115	2	2568465	1.07	2594197	99.0	60	125	
Ho-165	165	2	17351657	0.51	17194663	100.9	60	125	

TuneStep	TuneFile	TuneDate
1	h2_hmi.u	5/1/2012 2:43:00 PM
2	he_hmi.u	5/1/2012 2:43:00 PM

Sample Report

Sample Name	280-28076-S-1-A
Data File Name	023SMPL.D
DataPath	d:\DATA\050112a.B
Acq Date Time	2012-05-01T14:48:06-06:00
Type	Sample
VialNumber	4104
Dilution	1
Comment	117185 6020
Operator	LMT
ISTDRefDataFileName	003CALB.D
SamplePassFail	Pass
ISTD PassFail	Pass

QC Analyte Table

Element	m/z	ISTD	Tune Step	Meas Value	FinalConc	%RSD	Units	CPS	CPS %RSD	High Value	QC Flag
Be	9	6	1	0.01	0.01	128.63	ppb	6.67	43.30	3600	
Na	23	45	2	365940.57	365940.57	0.48	ppb	51075055.90	1.31	1800000	
Mg	24	45	2	41.34	41.34	3.26	ppb	2500.37	2.88	450000	
Al	27	45	2	728.58	728.58	6.60	ppb	7882.24	5.85	450000	
K	39	45	2	14597.98	14597.98	1.16	ppb	357503.94	1.68	180000	
Ca	44	45	2	42130.87	42130.87	2.16	ppb	57539.84	1.37	450000	
V	51	72	2	2.09	2.09	46.27	ppb	1420.66	48.60	3600	
Cr	52	72	2	4.49	4.49	4.85	ppb	4774.30	5.72	3600	
Mn	55	72	2	5.56	5.56	4.94	ppb	1986.94	4.96	3600	
Fe	57	72	2	329.01	329.01	1.72	ppb	6881.97	1.54	90000	
Co	59	72	2	0.08	0.08	24.58	ppb	246.70	16.88	3600	
Ni	60	72	2	5.95	5.95	3.95	ppb	3974.16	2.48	3600	
Cu	63	72	2	3.65	3.65	11.72	ppb	8055.97	11.28	3600	
Zn	66	72	2	46.79	46.79	8.70	ppb	7568.93	8.87	3600	
As	75	72	2	3.05	3.05	23.86	ppb	276.68	23.52	3600	
Se	78	72	1	0.10	0.10	34.72	ppb	40.00	26.46	3600	
Nb	93	72	2	-0.03	-0.03	-80.19	ppb	353.37	14.25	7200	
Mo	95	115	2	2.09	2.09	27.34	ppb	1646.89	27.06	3600	
Pd	105	115	2	-0.01	-0.01	-59.24	ppb	6.67	173.21	3600	
Ag	107	115	2	0.01	0.01	164.31	ppb	60.00	57.74	900	
Cd	111	115	2	0.02	0.02	325.13	ppb	26.67	86.60	3600	
Sn	120	115	2	0.17	0.17	71.42	ppb	360.04	25.46	3600	
Sb	121	115	2	1.35	1.35	25.40	ppb	793.43	21.44	3600	
Ba	137	115	2	153.65	153.65	3.01	ppb	28105.37	3.46	3600	
W	182	165	2	3.24	3.24	5.00	ppb	16429.62	4.34	3600	
Pt	195	165	2	0.00	0.00	-17471.37	ppb	66.67	45.83	3600	
Tl	205	165	2	0.04	0.04	27.40	ppb	433.38	21.81	3600	
Pb	208	165	2	0.12	0.12	10.26	ppb	2080.24	6.31	3600	
Th	232	165	2	1.75	1.75	15.81	ppb	17991.88	15.87	3600	
U	238	165	2	0.03	0.03	20.11	ppb	493.40	15.35	3600	

QC ISTD Table

Element	m/z	Tune Step	CPS	%RSD	Ref CPS	%Rec	Lower Limit	Upper Limit	QC Flag
Li6	6	1	780067	1.74	875670	89.1	60	125	
Sc (IS)	45	2	585479	0.84	566157	103.4	60	125	
Ge (IS)	72	1	10495015	1.16	12633047	83.1	60	125	
Ge (IS)	72	2	769809	1.46	792866	97.1	60	125	
115In	115	2	2551582	0.60	2594197	98.4	60	125	
Ho-165	165	2	17155057	0.80	17194663	99.8	60	125	

TuneStep	TuneFile	TuneDate
1	h2_hmi.u	5/1/2012 2:46:00 PM
2	he_hmi.u	5/1/2012 2:46:00 PM

Sample Report

Sample Name	280-28131-R-1-B
Data File Name	024SMPL.D
DataPath	d:\DATA\050112a.B
Acq Date Time	2012-05-01T14:51:04-06:00
Type	Sample
VialNumber	4105
Dilution	1
Comment	117185 6020
Operator	LMT
ISTDRefDataFileName	003CALB.D
SamplePassFail	Pass
ISTD PassFail	Pass

QC Analyte Table

Element	m/z	ISTD	Tune Step	Meas Value	FinalConc	%RSD	Units	CPS	CPS %RSD	High Value	QC Flag
Be	9	6	1	0.01	0.01	376.65	ppb	6.67	86.60	3600	
Na	23	45	2	247498.95	247498.95	3.32	ppb	38003906.10	1.79	1800000	
Mg	24	45	2	160.71	160.71	7.89	ppb	10230.36	6.57	450000	
Al	27	45	2	109.75	109.75	9.16	ppb	1320.16	9.46	450000	
K	39	45	2	12030.90	12030.90	2.74	ppb	324372.18	1.76	180000	
Ca	44	45	2	11839.04	11839.04	2.09	ppb	17810.28	1.54	450000	
V	51	72	2	0.48	0.48	25.03	ppb	332.60	28.11	3600	
Cr	52	72	2	0.05	0.05	84.02	ppb	146.68	31.49	3600	
Mn	55	72	2	0.42	0.42	55.07	ppb	240.03	36.33	3600	
Fe	57	72	2	5.42	5.42	92.46	ppb	266.70	42.65	90000	
Co	59	72	2	-0.02	-0.02	-60.48	ppb	33.34	69.29	3600	
Ni	60	72	2	0.27	0.27	14.25	ppb	386.71	7.90	3600	
Cu	63	72	2	0.05	0.05	198.11	ppb	1346.84	15.24	3600	
Zn	66	72	2	1.45	1.45	64.03	ppb	460.05	34.51	3600	
As	75	72	2	0.24	0.24	143.54	ppb	36.67	87.67	3600	
Se	78	72	1	0.03	0.03	20.78	ppb	22.67	10.19	3600	
Nb	93	72	2	0.00	0.00	1407.42	ppb	473.38	21.68	7200	
Mo	95	115	2	7.58	7.58	11.81	ppb	6381.69	10.49	3600	
Pd	105	115	2	0.00	0.00	601.25	ppb	33.34	91.66	3600	
Ag	107	115	2	0.01	0.01	53.27	ppb	80.01	25.00	900	
Cd	111	115	2	0.05	0.05	105.83	ppb	40.00	50.01	3600	
Sn	120	115	2	-0.05	-0.05	-191.98	ppb	206.69	40.29	3600	
Sb	121	115	2	0.34	0.34	38.72	ppb	320.03	22.54	3600	
Ba	137	115	2	21.47	21.47	5.04	ppb	4280.92	6.18	3600	
W	182	165	2	1.55	1.55	6.91	ppb	8843.22	4.74	3600	
Pt	195	165	2	-0.01	-0.01	-65.15	ppb	40.00	50.01	3600	
Tl	205	165	2	0.01	0.01	52.20	ppb	200.02	26.45	3600	
Pb	208	165	2	0.04	0.04	80.14	ppb	1400.17	26.76	3600	
Th	232	165	2	0.49	0.49	12.07	ppb	5788.25	9.40	3600	
U	238	165	2	0.04	0.04	13.40	ppb	720.08	12.11	3600	

QC ISTD Table

Element	m/z	Tune Step	CPS	%RSD	Ref CPS	%Rec	Lower Limit	Upper Limit	QC Flag
Li6	6	1	892632	1.14	875670	101.9	60	125	
Sc (IS)	45	2	644352	1.80	566157	113.8	60	125	
Ge (IS)	72	1	12043916	0.16	12633047	95.3	60	125	
Ge (IS)	72	2	852789	0.88	792866	107.6	60	125	
115In	115	2	2769121	1.20	2594197	106.7	60	125	
Ho-165	165	2	18469759	1.86	17194663	107.4	60	125	

TuneStep	TuneFile	TuneDate
1	h2_hmi.u	5/1/2012 2:49:00 PM
2	he_hmi.u	5/1/2012 2:49:00 PM

Sample Report

Sample Name	280-28131-R-3-B
Data File Name	025SMPL.D
DataPath	d:\DATA\050112a.B
Acq Date Time	2012-05-01T14:54:02-06:00
Type	Sample
VialNumber	4106
Dilution	1
Comment	117185 6020
Operator	LMT
ISTDRefDataFileName	003CALB.D
SamplePassFail	Pass
ISTD PassFail	Pass

QC Analyte Table

Element	m/z	ISTD	Tune Step	Meas Value	FinalConc	%RSD	Units	CPS	CPS %RSD	High Value	QC Flag
Be	9	6	1	-0.01	-0.01	-81.94	ppb	1.67	173.21	3600	
Na	23	45	2	256913.39	256913.39	1.67	ppb	39670422.74	1.10	1800000	
Mg	24	45	2	146.20	146.20	6.80	ppb	9369.74	4.69	450000	
Al	27	45	2	162.93	162.93	13.32	ppb	1966.95	15.54	450000	
K	39	45	2	15227.51	15227.51	2.35	ppb	412454.37	0.28	180000	
Ca	44	45	2	12703.50	12703.50	3.04	ppb	19224.85	5.23	450000	
V	51	72	2	0.38	0.38	36.69	ppb	256.40	41.46	3600	
Cr	52	72	2	0.06	0.06	108.41	ppb	160.01	45.07	3600	
Mn	55	72	2	1.01	1.01	66.61	ppb	473.38	56.27	3600	
Fe	57	72	2	17.37	17.37	31.54	ppb	546.73	23.52	90000	
Co	59	72	2	-0.01	-0.01	-106.44	ppb	40.00	86.60	3600	
Ni	60	72	2	0.20	0.20	40.22	ppb	340.03	17.65	3600	
Cu	63	72	2	0.21	0.21	84.54	ppb	1706.91	21.27	3600	
Zn	66	72	2	1.22	1.22	86.18	ppb	426.72	43.30	3600	
As	75	72	2	0.30	0.30	81.19	ppb	43.33	53.29	3600	
Se	78	72	1	0.03	0.03	115.75	ppb	22.67	53.91	3600	
Nb	93	72	2	0.04	0.04	100.27	ppb	580.09	19.20	7200	
Mo	95	115	2	9.73	9.73	10.90	ppb	8242.66	10.45	3600	
Pd	105	115	2	-0.01	-0.01	-52.44	ppb	6.67	173.21	3600	
Ag	107	115	2	-0.01	-0.01	-79.68	ppb	13.33	173.21	900	
Cd	111	115	2	0.03	0.03	97.05	ppb	33.33	34.64	3600	
Sn	120	115	2	0.00	0.00	-1302.72	ppb	246.70	16.88	3600	
Sb	121	115	2	0.54	0.54	26.87	ppb	426.71	17.75	3600	
Ba	137	115	2	20.47	20.47	9.09	ppb	4114.21	9.74	3600	
W	182	165	2	2.23	2.23	2.88	ppb	12259.13	1.93	3600	
Pt	195	165	2	-0.01	-0.01	-64.98	ppb	40.00	50.00	3600	
Tl	205	165	2	0.01	0.01	87.36	ppb	160.02	37.50	3600	
Pb	208	165	2	0.10	0.10	27.27	ppb	2026.92	14.85	3600	
Th	232	165	2	0.24	0.24	22.57	ppb	3000.60	19.88	3600	
U	238	165	2	0.05	0.05	21.83	ppb	773.43	17.60	3600	

QC ISTD Table

Element	m/z	Tune Step	CPS	%RSD	Ref CPS	%Rec	Lower Limit	Upper Limit	QC Flag
Li6	6	1	928888	2.74	875670	106.1	60	125	
Sc (IS)	45	2	647885	2.44	566157	114.4	60	125	
Ge (IS)	72	1	12703964	1.07	12633047	100.6	60	125	
Ge (IS)	72	2	865740	0.91	792866	109.2	60	125	
115In	115	2	2789693	0.71	2594197	107.5	60	125	
Ho-165	165	2	18247356	0.78	17194663	106.1	60	125	

TuneStep	TuneFile	TuneDate
1	h2_hmi.u	5/1/2012 2:52:00 PM
2	he_hmi.u	5/1/2012 2:52:00 PM

Continuing Calibration Verification (CCV) - US EPA Method 6020

Sample Name	ccv-1392320
Data File Name	0266CCV.D
DataPath	d:\DATA\050112a.B
Acq Date Time	2012-05-01T14:57:00-06:00
Type	6-CCV
VialNumber	1107
Dilution	1
Comment	
Operator	LMT
ISTDRefDataFileName	003CALB.D
SamplePassFail	Fail
ISTD PassFail	Pass

QC Analyte Table

Element	m/z	ISTD	Tune Step	Meas Value	%RSD	Units	CPS	CPS%RSD	Exp Value	%Rec	QC Low	QC High	QC Flag
Be	9	6	1	49.07	2.61	ppb	14747.60	1.34	50	98.1	90	110	
Na	23	45	2	4966.27	0.84	ppb	755600.92	0.52	5000	99.3	90	110	
Mg	24	45	2	4903.95	1.30	ppb	302836.77	0.98	5000	98.1	90	110	
Al	27	45	2	4949.27	0.83	ppb	57932.83	0.51	5000	99.0	90	110	
K	39	45	2	4913.08	1.50	ppb	131072.24	1.17	5000	98.3	90	110	
Ca	44	45	2	4993.72	5.62	ppb	7408.73	5.73	5000	99.9	90	110	
V	51	72	2	52.74	3.61	ppb	41579.08	3.44	50	105.5	90	110	
Cr	52	72	2	49.00	0.16	ppb	58530.70	0.62	50	98.0	90	110	
Mn	55	72	2	49.17	7.53	ppb	19392.06	7.22	50	98.3	90	110	
Fe	57	72	2	4834.57	0.27	ppb	113361.32	0.91	5000	96.7	90	110	
Co	59	72	2	49.29	1.33	ppb	120803.76	0.77	50	98.6	90	110	
Ni	60	72	2	49.54	4.51	ppb	36292.07	3.82	50	99.1	90	110	
Cu	63	72	2	49.52	1.43	ppb	108365.73	0.98	50	99.0	90	110	
Zn	66	72	2	57.33	2.06	ppb	10530.69	1.43	50	114.7	90	110	6-CCV Main Failed
As	75	72	2	50.64	3.18	ppb	5000.94	2.84	50	101.3	90	110	
Se	78	72	1	48.75	0.53	ppb	21191.39	0.41	50	97.5	90	110	
Nb	93	72	2	96.52	0.97	ppb	287311.40	0.39	100	96.5	90	110	
Mo	95	115	2	50.01	2.36	ppb	42701.26	3.25	50	100.0	90	110	
Pd	105	115	2	51.05	2.31	ppb	85894.07	2.12	50	102.1	90	110	
Ag	107	115	2	49.46	0.37	ppb	190484.16	0.53	50	98.9	90	110	
Cd	111	115	2	49.91	3.46	ppb	18678.15	3.70	50	99.8	90	110	
Sn	120	115	2	49.96	2.89	ppb	42000.91	2.78	50	99.9	90	110	
Sb	121	115	2	50.34	3.78	ppb	27750.84	2.97	50	100.7	90	110	
Ba	137	115	2	48.21	4.26	ppb	9756.97	4.17	50	96.4	90	110	
W	182	165	2	50.19	2.30	ppb	262850.49	2.30	50	100.4	90	110	
Pt	195	165	2	49.06	1.61	ppb	232550.26	1.72	50	98.1	90	110	
Tl	205	165	2	49.26	0.60	ppb	420853.01	0.48	50	98.5	90	110	
Pb	208	165	2	49.48	0.57	ppb	536457.45	0.61	50	99.0	90	110	
Th	232	165	2	48.75	0.62	ppb	528115.20	0.68	50	97.5	90	110	
U	238	165	2	48.94	0.83	ppb	656118.75	0.78	50	97.9	90	110	

QC ISTD Table

Element	m/z	Tune Step	CPS	%RSD	Ref CPS	%Rec	QC Low	QC High	QC Flag
Li6	6	1	1044312	1.28	875670	119.3	60	125	
Sc (IS)	45	2	634212	0.33	566157	112.0	60	125	
Ge (IS)	72	1	14636299	0.90	12633047	115.9	60	125	
Ge (IS)	72	2	878247	0.67	792866	110.8	60	125	
115In	115	2	2819333	0.89	2594197	108.7	60	125	
Ho-165	165	2	18460271	0.13	17194663	107.4	60	125	

TuneStep	TuneFile
1	h2_hmi.u
2	he_hmi.u

Continuing Calibration Blank (CCB) - US EPA Method 6020

Sample Name	ccb-1392356
Data File Name	0276CCB.D
DataPath	d:\DATA\050112a.B
Acq Date Time	2012-05-01T14:59:59-06:00
Type	6-CCB
VialNumber	1307
Dilution	1
Comment	
Operator	LMT
ISTDRefDataFileName	003CALB.D
SamplePassFail	Fail
ISTD PassFail	Pass

QC Analyte Table

Element	m/z	ISTD	Tune Step	Meas Value	%RSD	Units	CPS	CPS %RSD	QC High	QC Flag
Be	9	6	1	0.02	111.85	ppb	10.00	50.00	1	
Na	23	45	2	32.97	12.75	ppb	9343.04	5.67	20	6-CCB Main Failed
Mg	24	45	2	0.18	365.45	ppb	160.02	25.00	20	
Al	27	45	2	-1.27	0.00	ppb	0.00	#DIV/0!	20	
K	39	45	2	4.57	183.81	ppb	1180.16	18.33	20	
Ca	44	45	2	-15.14	0.00	ppb	0.00	#DIV/0!	20	
V	51	72	2	0.02	213.22	ppb	-23.37	-123.16	1	
Cr	52	72	2	-0.02	-115.33	ppb	73.34	31.49	1	
Mn	55	72	2	-0.01	-731.07	ppb	73.34	56.78	1	
Fe	57	72	2	3.67	76.13	ppb	226.69	28.37	20	
Co	59	72	2	0.03	135.32	ppb	153.35	71.84	1	
Ni	60	72	2	-0.03	-287.64	ppb	173.35	33.31	1	
Cu	63	72	2	0.01	688.65	ppb	1260.16	8.25	1	
Zn	66	72	2	0.07	317.70	ppb	220.02	18.18	5	
As	75	72	2	-0.08	-75.33	ppb	6.67	86.60	5	
Se	78	72	1	0.02	153.63	ppb	21.33	60.27	5	
Nb	93	72	2	0.60	17.16	ppb	2206.99	13.21	5	
Mo	95	115	2	0.03	82.70	ppb	60.00	33.33	1	
Pd	105	115	2	0.01	291.42	ppb	40.00	86.61	1	
Ag	107	115	2	0.00	672.67	ppb	46.67	65.47	1	
Cd	111	115	2	-0.06	0.00	ppb	0.00	#DIV/0!	1	
Sn	120	115	2	0.12	33.44	ppb	346.71	8.81	5	
Sb	121	115	2	0.50	40.80	ppb	400.04	26.46	0.2	6-CCB Main Failed
Ba	137	115	2	-0.11	0.00	ppb	0.00	#DIV/0!	1	
W	182	165	2	0.05	89.25	ppb	966.78	22.12	1	
Pt	195	165	2	0.00	530.26	ppb	80.01	66.15	1	
Tl	205	165	2	0.02	70.02	ppb	233.36	42.28	1	
Pb	208	165	2	0.03	48.18	ppb	1193.46	12.13	1	
Th	232	165	2	0.07	29.84	ppb	1173.51	18.39	1	
U	238	165	2	0.01	27.89	ppb	273.36	15.23	1	

QC ISTD Table

Element	m/z	Tune Step	CPS	%RSD	Ref CPS	%Rec	QC Low	QC High	QC Flag
Li6	6	1	948268	1.11	875670	108.3	60	125	
Sc (IS)	45	2	602552	1.07	566157	106.4	60	125	
Ge (IS)	72	1	13663080	0.45	12633047	108.2	60	125	
Ge (IS)	72	2	851460	0.34	792866	107.4	60	125	
115In	115	2	2754790	0.85	2594197	106.2	60	125	
Ho-165	165	2	18015116	0.63	17194663	104.8	60	125	

TuneStep	TuneFile
1	h2_hmi.u
2	he_hmi.u

Sample Report

Sample Name	280-28131-BB-4-A
Data File Name	028SMPL.D
DataPath	d:\DATA\050112a.B
Acq Date Time	2012-05-01T15:02:56-06:00
Type	Sample
VialNumber	4107
Dilution	1
Comment	117185 6020
Operator	LMT
ISTDRefDataFileName	003CALB.D
SamplePassFail	Pass
ISTD PassFail	Pass

QC Analyte Table

Element	m/z	ISTD	Tune Step	Meas Value	FinalConc	%RSD	Units	CPS	CPS%RSD	High Value	QC Flag
Be	9	6	1	0.00	0.00	-42892.17	ppb	5.00	100.00	3600	
Na	23	45	2	262273.57	262273.57	5.27	ppb	37194264.45	3.06	1800000	
Mg	24	45	2	153.00	153.00	2.33	ppb	9009.81	1.51	450000	
Al	27	45	2	185.54	185.54	5.34	ppb	2053.62	7.38	450000	
K	39	45	2	15323.62	15323.62	4.30	ppb	381297.49	2.18	180000	
Ca	44	45	2	13148.02	13148.02	9.98	ppb	18250.41	7.85	450000	
V	51	72	2	0.60	0.60	27.70	ppb	403.08	28.96	3600	
Cr	52	72	2	0.17	0.17	45.38	ppb	273.36	29.57	3600	
Mn	55	72	2	0.16	0.16	189.83	ppb	133.34	82.62	3600	
Fe	57	72	2	2.98	2.98	64.92	ppb	200.02	20.00	90000	
Co	59	72	2	-0.01	-0.01	-538.58	ppb	53.34	141.98	3600	
Ni	60	72	2	0.27	0.27	23.79	ppb	366.71	11.35	3600	
Cu	63	72	2	0.10	0.10	13.56	ppb	1373.51	1.68	3600	
Zn	66	72	2	0.94	0.94	52.03	ppb	353.38	22.88	3600	
As	75	72	2	0.62	0.62	34.79	ppb	70.00	28.57	3600	
Se	78	72	1	0.02	0.02	209.11	ppb	20.00	91.65	3600	
Nb	93	72	2	0.34	0.34	5.92	ppb	1380.18	3.83	7200	
Mo	95	115	2	10.35	10.35	9.07	ppb	8155.86	7.52	3600	
Pd	105	115	2	-0.02	-0.02	0.00	ppb	0.00	#DIV/0!	3600	
Ag	107	115	2	0.00	0.00	-516.33	ppb	33.34	91.66	900	
Cd	111	115	2	0.02	0.02	174.39	ppb	26.67	43.30	3600	
Sn	120	115	2	0.02	0.02	314.66	ppb	246.69	16.88	3600	
Sb	121	115	2	0.32	0.32	6.14	ppb	286.69	4.03	3600	
Ba	137	115	2	22.93	22.93	3.16	ppb	4280.96	1.24	3600	
W	182	165	2	2.37	2.37	6.09	ppb	12379.16	3.86	3600	
Pt	195	165	2	0.00	0.00	-2262.51	ppb	66.67	34.65	3600	
Tl	205	165	2	0.00	0.00	79.00	ppb	126.68	24.12	3600	
Pb	208	165	2	0.05	0.05	13.45	ppb	1413.50	7.26	3600	
Th	232	165	2	0.37	0.37	16.55	ppb	4227.57	12.58	3600	
U	238	165	2	0.05	0.05	31.78	ppb	706.75	27.92	3600	

QC ISTD Table

Element	m/z	Tune Step	CPS	%RSD	Ref CPS	%Rec	Lower Limit	Upper Limit	QC Flag
Li6	6	1	868697	1.65	875670	99.2	60	125	
Sc (IS)	45	2	595331	2.14	566157	105.2	60	125	
Ge (IS)	72	1	11845183	0.33	12633047	93.8	60	125	
Ge (IS)	72	2	809095	1.14	792866	102.0	60	125	
115In	115	2	2595584	1.88	2594197	100.1	60	125	
Ho-165	165	2	17439588	2.13	17194663	101.4	60	125	

TuneStep	TuneFile	TuneDate
1	h2_hmi.u	5/1/2012 3:01:00 PM
2	he_hmi.u	5/1/2012 3:01:00 PM

Sample Report

Sample Name	280-28131-BB-4-A sd@5
Data File Name	029SMPL.D
DataPath	d:\DATA\050112a.B
Acq Date Time	2012-05-01T15:05:54-06:00
Type	Sample
VialNumber	4108
Dilution	1
Comment	117185 6020
Operator	LMT
ISTDRefDataFileName	003CALB.D
SamplePassFail	Pass
ISTD PassFail	Pass

QC Analyte Table

Element	m/z	ISTD	Tune Step	Meas Value	FinalConc	%RSD	Units	CPS	CPS %RSD	High Value	QC Flag
Be	9	6	1	0.00	0.00	-699.98	ppb	5.00	100.00	3600	
Na	23	45	2	53496.96	53496.96	10.53	ppb	7613135.51	2.75	1800000	
Mg	24	45	2	34.93	34.93	24.10	ppb	2166.96	16.57	450000	
Al	27	45	2	34.94	34.94	17.74	ppb	400.04	18.03	450000	
K	39	45	2	3104.24	3104.24	9.31	ppb	78361.96	2.19	180000	
Ca	44	45	2	2656.91	2656.91	34.41	ppb	3674.07	25.74	450000	
V	51	72	2	0.18	0.18	44.37	ppb	98.72	58.93	3600	
Cr	52	72	2	0.00	0.00	2054.20	ppb	93.34	68.88	3600	
Mn	55	72	2	0.19	0.19	81.54	ppb	146.68	34.32	3600	
Fe	57	72	2	3.21	3.21	88.88	ppb	213.35	32.92	90000	
Co	59	72	2	0.00	0.00	1193.72	ppb	73.34	68.64	3600	
Ni	60	72	2	-0.02	-0.02	-337.78	ppb	173.35	24.02	3600	
Cu	63	72	2	-0.03	-0.03	-291.41	ppb	1153.48	13.13	3600	
Zn	66	72	2	1.85	1.85	20.55	ppb	520.06	13.87	3600	
As	75	72	2	0.07	0.07	326.42	ppb	20.00	100.00	3600	
Se	78	72	1	0.01	0.01	358.60	ppb	16.00	66.14	3600	
Nb	93	72	2	0.05	0.05	118.42	ppb	593.39	23.68	7200	
Mo	95	115	2	1.93	1.93	3.50	ppb	1593.56	5.66	3600	
Pd	105	115	2	-0.02	-0.02	0.00	ppb	0.00	#DIV/0!	3600	
Ag	107	115	2	0.00	0.00	-446.16	ppb	33.34	124.90	900	
Cd	111	115	2	0.22	0.22	38.72	ppb	100.01	34.64	3600	
Sn	120	115	2	-0.03	-0.03	-181.39	ppb	213.35	14.32	3600	
Sb	121	115	2	0.31	0.31	82.45	ppb	286.69	38.43	3600	
Ba	137	115	2	4.35	4.35	22.70	ppb	846.78	15.73	3600	
W	182	165	2	0.56	0.56	18.38	ppb	3487.38	12.96	3600	
Pt	195	165	2	-0.01	-0.01	-138.48	ppb	40.00	100.00	3600	
Tl	205	165	2	0.02	0.02	61.38	ppb	213.36	28.65	3600	
Pb	208	165	2	0.01	0.01	62.98	ppb	1026.78	15.63	3600	
Th	232	165	2	0.02	0.02	89.60	ppb	626.74	21.25	3600	
U	238	165	2	0.01	0.01	69.25	ppb	186.68	22.30	3600	

QC ISTD Table

Element	m/z	Tune Step	CPS	%RSD	Ref CPS	%Rec	Lower Limit	Upper Limit	QC Flag
Li6	6	1	982555	1.34	875670	112.2	60	125	
Sc (IS)	45	2	599808	7.48	566157	105.9	60	125	
Ge (IS)	72	1	13742748	0.30	12633047	108.8	60	125	
Ge (IS)	72	2	834991	4.59	792866	105.3	60	125	
115In	115	2	2678278	7.41	2594197	103.2	60	125	
Ho-165	165	2	17602563	7.16	17194663	102.4	60	125	

TuneStep	TuneFile	TuneDate
1	h2_hmi.u	5/1/2012 3:04:00 PM
2	he_hmi.u	5/1/2012 3:04:00 PM

Continuing Calibration Verification (CCV) - US EPA Method 6020

Sample Name	ccv-1392320
Data File Name	0306CCV.D
DataPath	d:\DATA\050112a.B
Acq Date Time	2012-05-01T15:09:56-06:00
Type	6-CCV
VialNumber	1107
Dilution	1
Comment	
Operator	LMT
ISTDRefDataFileName	003CALB.D
SamplePassFail	Pass
ISTD PassFail	Pass

QC Analyte Table

Element	m/z	ISTD	Tune Step	Meas Value	%RSD	Units	CPS	CPS%RSD	Exp Value	%Rec	QC Low	QC High	QC Flag
Be	9	6	1	49.58	3.81	ppb	13146.42	4.45	50	99.2	90	110	
Na	23	45	2	4875.87	1.33	ppb	678460.09	0.49	5000	97.5	90	110	
Mg	24	45	2	4887.70	0.35	ppb	276038.79	1.17	5000	97.8	90	110	
Al	27	45	2	4802.89	0.25	ppb	51413.96	0.91	5000	96.1	90	110	
K	39	45	2	4859.95	2.30	ppb	118568.46	1.44	5000	97.2	90	110	
Ca	44	45	2	4667.13	14.28	ppb	6328.34	13.43	5000	93.3	90	110	
V	51	72	2	48.62	3.79	ppb	35448.56	3.91	50	97.2	90	110	
Cr	52	72	2	48.36	1.05	ppb	53421.50	0.32	50	96.7	90	110	
Mn	55	72	2	49.60	5.37	ppb	18090.57	5.29	50	99.2	90	110	
Fe	57	72	2	4861.68	3.72	ppb	105401.09	3.08	5000	97.2	90	110	
Co	59	72	2	49.35	3.91	ppb	111840.95	3.16	50	98.7	90	110	
Ni	60	72	2	49.11	1.90	ppb	33279.90	1.82	50	98.2	90	110	
Cu	63	72	2	49.25	3.43	ppb	99663.94	2.99	50	98.5	90	110	
Zn	66	72	2	48.90	0.84	ppb	8336.00	1.19	50	97.8	90	110	
As	75	72	2	48.36	1.59	ppb	4417.41	1.25	50	96.7	90	110	
Se	78	72	1	49.80	1.04	ppb	19226.46	1.17	50	99.6	90	110	
Nb	93	72	2	97.72	3.00	ppb	268945.35	2.37	100	97.7	90	110	
Mo	95	115	2	50.39	3.54	ppb	40863.95	4.53	50	100.8	90	110	
Pd	105	115	2	49.74	3.73	ppb	79457.85	2.59	50	99.5	90	110	
Ag	107	115	2	48.55	1.30	ppb	177557.84	1.24	50	97.1	90	110	
Cd	111	115	2	48.04	6.77	ppb	17063.12	5.66	50	96.1	90	110	
Sn	120	115	2	50.94	2.42	ppb	40671.07	2.43	50	101.9	90	110	
Sb	121	115	2	47.65	4.78	ppb	24953.43	4.30	50	95.3	90	110	
Ba	137	115	2	46.96	5.04	ppb	9023.15	3.57	50	93.9	90	110	
W	182	165	2	49.21	2.21	ppb	249318.90	1.76	50	98.4	90	110	
Pt	195	165	2	49.06	1.62	ppb	224979.35	1.31	50	98.1	90	110	
Tl	205	165	2	49.59	1.63	ppb	409939.37	1.54	50	99.2	90	110	
Pb	208	165	2	49.35	0.73	ppb	517771.59	0.97	50	98.7	90	110	
Th	232	165	2	48.46	0.25	ppb	507919.82	0.33	50	96.9	90	110	
U	238	165	2	49.25	1.16	ppb	638883.59	0.87	50	98.5	90	110	

QC ISTD Table

Element	m/z	Tune Step	CPS	%RSD	Ref CPS	%Rec	QC Low	QC High	QC Flag
Li6	6	1	921113	0.73	875670	105.2	60	125	
Sc (IS)	45	2	579987	0.88	566157	102.4	60	125	
Ge (IS)	72	1	12999820	0.44	12633047	102.9	60	125	
Ge (IS)	72	2	812172	0.81	792866	102.4	60	125	
115In	115	2	2677601	1.46	2594197	103.2	60	125	
Ho-165	165	2	17861882	0.56	17194663	103.9	60	125	

TuneStep	TuneFile
1	h2_hmi.u
2	he_hmi.u

Continuing Calibration Blank (CCB) - US EPA Method 6020

Sample Name	ccb-1392356
Data File Name	0316CCB.D
DataPath	d:\DATA\050112a.B
Acq Date Time	2012-05-01T15:12:55-06:00
Type	6-CCB
VialNumber	1307
Dilution	1
Comment	
Operator	LMT
ISTDRefDataFileName	003CALB.D
SamplePassFail	Fail
ISTD PassFail	Pass

QC Analyte Table

Element	m/z	ISTD	Tune Step	Meas Value	%RSD	Units	CPS	CPS %RSD	QC High	QC Flag
Be	9	6	1	0.03	286.39	ppb	13.33	173.21	1	
Na	23	45	2	18.73	16.00	ppb	6908.52	5.37	20	
Mg	24	45	2	0.22	253.50	ppb	153.35	19.93	20	
Al	27	45	2	0.63	519.94	ppb	20.00	173.21	20	
K	39	45	2	4.76	175.17	ppb	1120.14	17.22	20	
Ca	44	45	2	19.84	189.51	ppb	46.67	107.86	20	
V	51	72	2	0.12	26.14	ppb	49.69	44.75	1	
Cr	52	72	2	0.03	119.38	ppb	126.68	36.46	1	
Mn	55	72	2	0.03	95.35	ppb	86.67	13.33	1	
Fe	57	72	2	1.44	148.57	ppb	166.68	27.71	20	
Co	59	72	2	0.00	-248.59	ppb	60.00	33.34	1	
Ni	60	72	2	-0.03	-313.37	ppb	160.02	45.07	1	
Cu	63	72	2	0.01	1924.77	ppb	1193.49	20.48	1	
Zn	66	72	2	0.06	759.58	ppb	206.69	36.64	5	
As	75	72	2	-0.04	-480.57	ppb	10.00	173.21	5	
Se	78	72	1	0.00	523.98	ppb	13.33	45.83	5	
Nb	93	72	2	0.71	11.44	ppb	2380.39	9.69	5	
Mo	95	115	2	0.07	159.91	ppb	86.68	96.08	1	
Pd	105	115	2	0.02	155.72	ppb	66.67	91.65	1	
Ag	107	115	2	0.02	56.80	ppb	100.01	34.64	1	
Cd	111	115	2	0.13	98.05	ppb	66.67	69.29	1	
Sn	120	115	2	0.10	26.99	ppb	320.03	6.25	5	
Sb	121	115	2	0.24	41.67	ppb	253.35	19.87	0.2	6-CCB Main Failed
Ba	137	115	2	0.21	149.62	ppb	60.01	100.00	1	
W	182	165	2	0.07	23.91	ppb	1073.49	7.53	1	
Pt	195	165	2	0.00	388.09	ppb	86.67	81.05	1	
Tl	205	165	2	0.01	136.38	ppb	173.35	65.61	1	
Pb	208	165	2	0.01	88.15	ppb	1020.10	12.25	1	
Th	232	165	2	0.06	36.10	ppb	1060.14	21.43	1	
U	238	165	2	0.03	14.36	ppb	466.71	10.79	1	

QC ISTD Table

Element	m/z	Tune Step	CPS	%RSD	Ref CPS	%Rec	QC Low	QC High	QC Flag
Li6	6	1	899789	1.60	875670	102.8	60	125	
Sc (IS)	45	2	570292	0.55	566157	100.7	60	125	
Ge (IS)	72	1	12828371	0.73	12633047	101.5	60	125	
Ge (IS)	72	2	807302	0.41	792866	101.8	60	125	
115In	115	2	2657478	1.46	2594197	102.4	60	125	
Ho-165	165	2	17642470	0.59	17194663	102.6	60	125	

TuneStep	TuneFile
1	h2_hmi.u
2	he_hmi.u

Sample Report

Sample Name	280-28131-BB-4-E MS
Data File Name	032SMPL.D
DataPath	d:\DATA\050112a.B
Acq Date Time	2012-05-01T15:15:52-06:00
Type	Sample
VialNumber	4109
Dilution	1
Comment	117185 6020
Operator	LMT
ISTDRefDataFileName	003CALB.D
SamplePassFail	Pass
ISTD PassFail	Pass

QC Analyte Table

Element	m/z	ISTD	Tune Step	Meas Value	FinalConc	%RSD	Units	CPS	CPS %RSD	High Value	QC Flag
Be	9	6	1	37.33	37.33	2.12	ppb	8982.28	2.74	3600	
Na	23	45	2	257258.46	257258.46	0.79	ppb	36093304.46	1.38	1800000	
Mg	24	45	2	153.21	153.21	1.82	ppb	8922.78	3.11	450000	
Al	27	45	2	159.64	159.64	5.34	ppb	1746.88	4.63	450000	
K	39	45	2	15005.18	15005.18	2.17	ppb	369296.98	1.27	180000	
Ca	44	45	2	12770.59	12770.59	6.89	ppb	17550.03	7.20	450000	
V	51	72	2	45.38	45.38	7.62	ppb	32121.59	8.90	3600	
Cr	52	72	2	40.79	40.79	1.88	ppb	43735.16	1.71	3600	
Mn	55	72	2	40.42	40.42	2.43	ppb	14320.04	3.31	3600	
Fe	57	72	2	10.85	10.85	25.10	ppb	360.04	14.70	90000	
Co	59	72	2	40.49	40.49	1.09	ppb	89067.62	1.34	3600	
Ni	60	72	2	38.53	38.53	0.32	ppb	25373.00	1.78	3600	
Cu	63	72	2	38.13	38.13	1.32	ppb	75139.42	2.76	3600	
Zn	66	72	2	36.59	36.59	1.49	ppb	6101.60	2.60	3600	
As	75	72	2	37.64	37.64	7.11	ppb	3337.11	6.15	3600	
Se	78	72	1	32.71	32.71	2.94	ppb	10955.45	3.97	3600	
Nb	93	72	2	0.41	0.41	19.97	ppb	1533.56	15.56	7200	
Mo	95	115	2	50.93	50.93	2.34	ppb	40242.26	2.44	3600	
Pd	105	115	2	0.00	0.00	-300.52	ppb	20.00	100.00	3600	
Ag	107	115	2	36.37	36.37	2.79	ppb	129655.86	2.70	900	
Cd	111	115	2	36.78	36.78	1.28	ppb	12745.59	1.36	3600	
Sn	120	115	2	41.94	41.94	3.05	ppb	32672.96	2.85	3600	
Sb	121	115	2	38.19	38.19	5.90	ppb	19518.99	5.74	3600	
Ba	137	115	2	60.37	60.37	7.26	ppb	11304.79	7.27	3600	
W	182	165	2	2.35	2.35	2.12	ppb	12272.42	2.19	3600	
Pt	195	165	2	0.00	0.00	-55.75	ppb	46.67	24.75	3600	
Tl	205	165	2	38.63	38.63	1.26	ppb	310629.17	1.19	3600	
Pb	208	165	2	38.69	38.69	1.32	ppb	394900.89	1.73	3600	
Th	232	165	2	39.33	39.33	1.23	ppb	400959.33	1.59	3600	
U	238	165	2	39.46	39.46	0.88	ppb	497877.91	0.49	3600	

QC ISTD Table

Element	m/z	Tune Step	CPS	%RSD	Ref CPS	%Rec	Lower Limit	Upper Limit	QC Flag
Li6	6	1	835758	1.22	875670	95.4	60	125	
Sc (IS)	45	2	588543	1.46	566157	104.0	60	125	
Ge (IS)	72	1	11271249	1.16	12633047	89.2	60	125	
Ge (IS)	72	2	787993	1.47	792866	99.4	60	125	
115In	115	2	2609533	0.19	2594197	100.6	60	125	
Ho-165	165	2	17370637	0.49	17194663	101.0	60	125	

TuneStep	TuneFile	TuneDate
1	h2_hmi.u	5/1/2012 3:14:00 PM
2	he_hmi.u	5/1/2012 3:14:00 PM

Sample Report

Sample Name	280-28131-BB-4-F MSD
Data File Name	033SMPL.D
DataPath	d:\DATA\050112a.B
Acq Date Time	2012-05-01T15:18:50-06:00
Type	Sample
VialNumber	4110
Dilution	1
Comment	117185 6020
Operator	LMT
ISTDRefDataFileName	003CALB.D
SamplePassFail	Pass
ISTD PassFail	Pass

QC Analyte Table

Element	m/z	ISTD	Tune Step	Meas Value	FinalConc	%RSD	Units	CPS	CPS %RSD	High Value	QC Flag
Be	9	6	1	32.91	32.91	15.58	ppb	9287.42	9.00	3600	
Na	23	45	2	246027.44	246027.44	7.62	ppb	38137955.27	3.61	1800000	
Mg	24	45	2	141.51	141.51	13.76	ppb	9109.59	10.60	450000	
Al	27	45	2	157.14	157.14	17.76	ppb	1906.93	18.66	450000	
K	39	45	2	14515.61	14515.61	6.23	ppb	394965.28	2.17	180000	
Ca	44	45	2	11706.12	11706.12	7.63	ppb	17790.22	6.04	450000	
V	51	72	2	41.74	41.74	9.54	ppb	31968.17	6.39	3600	
Cr	52	72	2	37.89	37.89	8.92	ppb	44002.75	5.98	3600	
Mn	55	72	2	41.15	41.15	14.14	ppb	15768.29	10.99	3600	
Fe	57	72	2	58.46	58.46	10.29	ppb	1473.50	6.12	90000	
Co	59	72	2	37.46	37.46	10.34	ppb	89209.29	7.27	3600	
Ni	60	72	2	36.10	36.10	10.45	ppb	25753.64	7.73	3600	
Cu	63	72	2	38.41	38.41	9.53	ppb	81942.00	6.37	3600	
Zn	66	72	2	36.77	36.77	11.48	ppb	6635.11	7.99	3600	
As	75	72	2	36.83	36.83	12.60	ppb	3537.18	9.88	3600	
Se	78	72	1	29.04	29.04	13.59	ppb	11343.74	5.95	3600	
Nb	93	72	2	0.13	0.13	42.77	ppb	833.43	16.34	7200	
Mo	95	115	2	49.43	49.43	10.88	ppb	41619.18	7.12	3600	
Pd	105	115	2	-0.01	-0.01	-217.25	ppb	20.00	100.00	3600	
Ag	107	115	2	35.08	35.08	8.06	ppb	133363.27	4.31	900	
Cd	111	115	2	33.88	33.88	14.20	ppb	12499.15	10.42	3600	
Sn	120	115	2	38.83	38.83	9.59	ppb	32266.30	5.69	3600	
Sb	121	115	2	37.64	37.64	9.68	ppb	20513.83	5.92	3600	
Ba	137	115	2	61.10	61.10	9.08	ppb	12198.63	5.35	3600	
W	182	165	2	2.13	2.13	16.42	ppb	11878.86	11.34	3600	
Pt	195	165	2	0.00	0.00	282.74	ppb	93.34	65.47	3600	
Tl	205	165	2	36.77	36.77	8.31	ppb	314931.39	4.06	3600	
Pb	208	165	2	36.34	36.34	9.36	ppb	394998.31	5.13	3600	
Th	232	165	2	36.78	36.78	9.29	ppb	399290.82	5.15	3600	
U	238	165	2	37.20	37.20	8.69	ppb	499901.48	4.45	3600	

QC ISTD Table

Element	m/z	Tune Step	CPS	%RSD	Ref CPS	%Rec	Lower Limit	Upper Limit	QC Flag
Li6	6	1	987202	6.82	875670	112.7	60	125	
Sc (IS)	45	2	651639	4.20	566157	115.1	60	125	
Ge (IS)	72	1	13244299	8.14	12633047	104.8	60	125	
Ge (IS)	72	2	855021	3.30	792866	107.8	60	125	
115In	115	2	2788917	4.00	2594197	107.5	60	125	
Ho-165	165	2	18546976	4.50	17194663	107.9	60	125	

TuneStep	TuneFile	TuneDate
1	h2_hmi.u	5/1/2012 3:17:00 PM
2	he_hmi.u	5/1/2012 3:17:00 PM

Sample Report

Sample Name	280-28131-BB-4-A pds
Data File Name	034SMPL.D
DataPath	d:\DATA\050112a.B
Acq Date Time	2012-05-01T15:21:49-06:00
Type	Sample
VialNumber	4111
Dilution	1
Comment	117185 6020
Operator	LMT
ISTDRefDataFileName	003CALB.D
SamplePassFail	Pass
ISTD PassFail	Pass

QC Analyte Table

Element	m/z	ISTD	Tune Step	Meas Value	FinalConc	%RSD	Units	CPS	CPS %RSD	High Value	QC Flag
Be	9	6	1	186.19	186.19	3.73	ppb	50383.11	2.98	3600	
Na	23	45	2	253169.24	253169.24	1.48	ppb	37927839.43	0.71	1800000	
Mg	24	45	2	139.10	139.10	1.97	ppb	8662.80	1.62	450000	
Al	27	45	2	180.32	180.32	9.43	ppb	2106.96	10.15	450000	
K	39	45	2	14842.95	14842.95	1.52	ppb	390155.81	1.38	180000	
Ca	44	45	2	13074.57	13074.57	0.69	ppb	19184.98	0.76	450000	
V	51	72	2	211.23	211.23	2.97	ppb	159115.49	2.71	3600	
Cr	52	72	2	196.02	196.02	0.85	ppb	223301.83	0.52	3600	
Mn	55	72	2	203.18	203.18	1.81	ppb	76269.50	1.44	3600	
Fe	57	72	2	4.73	4.73	132.66	ppb	246.69	56.95	90000	
Co	59	72	2	198.46	198.46	1.44	ppb	464257.40	1.59	3600	
Ni	60	72	2	191.60	191.60	1.31	ppb	133499.66	0.88	3600	
Cu	63	72	2	191.62	191.62	1.10	ppb	396858.16	0.81	3600	
Zn	66	72	2	192.02	192.02	0.27	ppb	33199.51	0.76	3600	
As	75	72	2	187.01	187.01	4.16	ppb	17599.31	4.63	3600	
Se	78	72	1	175.82	175.82	0.56	ppb	65696.55	0.62	3600	
Nb	93	72	2	0.06	0.06	41.69	ppb	633.40	11.09	7200	
Mo	95	115	2	216.19	216.19	2.60	ppb	178579.33	2.49	3600	
Pd	105	115	2	0.00	0.00	759.67	ppb	33.34	124.90	3600	
Ag	107	115	2	126.01	126.01	9.90	ppb	469807.59	9.83	900	
Cd	111	115	2	180.68	180.68	2.18	ppb	65413.06	2.41	3600	
Sn	120	115	2	201.48	201.48	2.39	ppb	163276.45	2.49	3600	
Sb	121	115	2	188.23	188.23	1.10	ppb	100125.90	1.33	3600	
Ba	137	115	2	219.03	219.03	0.47	ppb	42850.01	0.23	3600	
W	182	165	2	2.28	2.28	5.33	ppb	12365.73	4.51	3600	
Pt	195	165	2	-0.01	-0.01	-70.69	ppb	26.67	114.57	3600	
Tl	205	165	2	188.94	188.94	0.43	ppb	1579681.33	0.52	3600	
Pb	208	165	2	188.14	188.14	0.70	ppb	1993917.71	0.41	3600	
Th	232	165	2	194.57	194.57	1.42	ppb	2061443.20	1.15	3600	
U	238	165	2	194.45	194.45	1.45	ppb	2551171.94	1.34	3600	

QC ISTD Table

Element	m/z	Tune Step	CPS	%RSD	Ref CPS	%Rec	Lower Limit	Upper Limit	QC Flag
Li6	6	1	940591	1.02	875670	107.4	60	125	
Sc (IS)	45	2	628478	0.88	566157	111.0	60	125	
Ge (IS)	72	1	12588076	0.79	12633047	99.6	60	125	
Ge (IS)	72	2	838535	0.49	792866	105.8	60	125	
115In	115	2	2729869	0.25	2594197	105.2	60	125	
Ho-165	165	2	18067233	0.63	17194663	105.1	60	125	

TuneStep	TuneFile	TuneDate
1	h2_hmi.u	5/1/2012 3:20:00 PM
2	he_hmi.u	5/1/2012 3:20:00 PM

Sample Report

Sample Name	280-28131-R-5-B
Data File Name	035SMPL.D
DataPath	d:\DATA\050112a.B
Acq Date Time	2012-05-01T15:24:48-06:00
Type	Sample
VialNumber	4112
Dilution	1
Comment	117185 6020
Operator	LMT
ISTDRefDataFileName	003CALB.D
SamplePassFail	Pass
ISTD PassFail	Pass

QC Analyte Table

Element	m/z	ISTD	Tune Step	Meas Value	FinalConc	%RSD	Units	CPS	CPS %RSD	High Value	QC Flag
Be	9	6	1	0.16	0.16	57.33	ppb	48.33	36.33	3600	
Na	23	45	2	86.32	86.32	17.97	ppb	17989.96	10.58	1800000	
Mg	24	45	2	-0.01	-0.01	-18271.66	ppb	153.35	66.94	450000	
Al	27	45	2	-0.11	-0.11	-952.88	ppb	13.33	86.60	450000	
K	39	45	2	2.78	2.78	251.80	ppb	1200.14	13.64	180000	
Ca	44	45	2	20.96	20.96	44.88	ppb	53.34	21.66	450000	
V	51	72	2	0.28	0.28	29.83	ppb	184.24	34.16	3600	
Cr	52	72	2	0.27	0.27	21.08	ppb	413.38	14.78	3600	
Mn	55	72	2	0.06	0.06	163.63	ppb	106.68	39.03	3600	
Fe	57	72	2	-1.99	-1.99	-123.23	ppb	100.01	52.91	90000	
Co	59	72	2	0.03	0.03	132.71	ppb	140.01	62.27	3600	
Ni	60	72	2	0.00	0.00	4335.76	ppb	200.02	55.68	3600	
Cu	63	72	2	0.17	0.17	50.83	ppb	1653.56	14.63	3600	
Zn	66	72	2	0.06	0.06	139.81	ppb	226.70	10.19	3600	
As	75	72	2	0.09	0.09	183.49	ppb	23.33	65.47	3600	
Se	78	72	1	0.20	0.20	80.85	ppb	90.67	51.70	3600	
Nb	93	72	2	-0.02	-0.02	-446.69	ppb	433.41	46.24	7200	
Mo	95	115	2	0.25	0.25	6.08	ppb	253.36	9.12	3600	
Pd	105	115	2	0.00	0.00	-709.21	ppb	26.67	114.57	3600	
Ag	107	115	2	1.44	1.44	12.07	ppb	5721.51	9.39	900	
Cd	111	115	2	0.05	0.05	215.22	ppb	40.00	100.00	3600	
Sn	120	115	2	0.09	0.09	64.49	ppb	340.03	15.56	3600	
Sb	121	115	2	0.61	0.61	16.47	ppb	486.71	17.11	3600	
Ba	137	115	2	0.09	0.09	225.72	ppb	40.00	100.00	3600	
W	182	165	2	0.04	0.04	10.23	ppb	1006.79	8.03	3600	
Pt	195	165	2	-0.01	-0.01	-95.94	ppb	26.67	173.21	3600	
Tl	205	165	2	0.04	0.04	20.17	ppb	473.39	20.84	3600	
Pb	208	165	2	0.06	0.06	8.73	ppb	1673.52	9.28	3600	
Th	232	165	2	1.87	1.87	12.97	ppb	21363.26	11.44	3600	
U	238	165	2	0.09	0.09	17.20	ppb	1380.19	13.04	3600	

QC ISTD Table

Element	m/z	Tune Step	CPS	%RSD	Ref CPS	%Rec	Lower Limit	Upper Limit	QC Flag
Li6	6	1	1000796	15.00	875670	114.3	60	125	
Sc (IS)	45	2	639600	6.02	566157	113.0	60	125	
Ge (IS)	72	1	14082611	15.97	12633047	111.5	60	125	
Ge (IS)	72	2	882204	4.08	792866	111.3	60	125	
115In	115	2	2905632	5.67	2594197	112.0	60	125	
Ho-165	165	2	19056058	5.73	17194663	110.8	60	125	

TuneStep	TuneFile	TuneDate
1	h2_hmi.u	5/1/2012 3:23:00 PM
2	he_hmi.u	5/1/2012 3:23:00 PM

Sample Report

Sample Name	280-28131-S-6-B
Data File Name	036SMPL.D
DataPath	d:\DATA\050112a.B
Acq Date Time	2012-05-01T15:27:46-06:00
Type	Sample
VialNumber	4201
Dilution	1
Comment	117185 6020
Operator	LMT
ISTDRefDataFileName	003CALB.D
SamplePassFail	Pass
ISTD PassFail	Pass

QC Analyte Table

Element	m/z	ISTD	Tune Step	Meas Value	FinalConc	%RSD	Units	CPS	CPS %RSD	High Value	QC Flag
Be	9	6	1	0.02	0.02	181.38	ppb	11.67	98.97	3600	
Na	23	45	2	25.76	25.76	12.00	ppb	8329.17	2.47	1800000	
Mg	24	45	2	1.26	1.26	151.85	ppb	220.02	48.10	450000	
Al	27	45	2	-1.27	-1.27	0.00	ppb	0.00	#DIV/0!	450000	
K	39	45	2	-7.50	-7.50	-77.71	ppb	873.43	9.26	180000	
Ca	44	45	2	56.62	56.62	34.44	ppb	100.01	20.00	450000	
V	51	72	2	-0.14	-0.14	-115.52	ppb	-147.42	-86.25	3600	
Cr	52	72	2	0.04	0.04	62.90	ppb	140.01	24.74	3600	
Mn	55	72	2	-0.06	-0.06	-50.37	ppb	53.34	21.66	3600	
Fe	57	72	2	-1.34	-1.34	-321.19	ppb	113.34	88.82	90000	
Co	59	72	2	-0.01	-0.01	-192.67	ppb	53.34	57.29	3600	
Ni	60	72	2	-0.08	-0.08	-179.64	ppb	140.01	71.43	3600	
Cu	63	72	2	0.14	0.14	80.32	ppb	1526.86	19.62	3600	
Zn	66	72	2	1.41	1.41	88.74	ppb	440.05	43.84	3600	
As	75	72	2	-0.12	-0.12	-51.18	ppb	3.33	173.21	3600	
Se	78	72	1	0.02	0.02	140.74	ppb	21.33	60.27	3600	
Nb	93	72	2	-0.03	-0.03	-176.73	ppb	366.71	39.46	7200	
Mo	95	115	2	0.02	0.02	346.22	ppb	53.34	108.26	3600	
Pd	105	115	2	-0.01	-0.01	-402.88	ppb	20.00	173.21	3600	
Ag	107	115	2	1.44	1.44	5.11	ppb	5527.97	10.55	900	
Cd	111	115	2	0.09	0.09	96.00	ppb	53.34	57.29	3600	
Sn	120	115	2	0.50	0.50	37.18	ppb	673.42	28.85	3600	
Sb	121	115	2	0.10	0.10	99.04	ppb	186.68	22.30	3600	
Ba	137	115	2	-0.01	-0.01	-1245.05	ppb	20.00	100.00	3600	
W	182	165	2	0.01	0.01	310.83	ppb	813.43	26.52	3600	
Pt	195	165	2	0.01	0.01	330.93	ppb	106.68	109.87	3600	
Tl	205	165	2	0.01	0.01	35.64	ppb	186.69	16.37	3600	
Pb	208	165	2	0.03	0.03	37.48	ppb	1273.48	9.98	3600	
Th	232	165	2	0.53	0.53	17.01	ppb	6148.47	14.49	3600	
U	238	165	2	0.00	0.00	847.25	ppb	133.34	37.75	3600	

QC ISTD Table

Element	m/z	Tune Step	CPS	%RSD	Ref CPS	%Rec	Lower Limit	Upper Limit	QC Flag
Li6	6	1	921458	1.41	875670	105.2	60	125	
Sc (IS)	45	2	605366	7.14	566157	106.9	60	125	
Ge (IS)	72	1	12907723	0.70	12633047	102.2	60	125	
Ge (IS)	72	2	836576	4.17	792866	105.5	60	125	
115In	115	2	2788683	6.50	2594197	107.5	60	125	
Ho-165	165	2	18518457	6.62	17194663	107.7	60	125	

TuneStep	TuneFile	TuneDate
1	h2_hmi.u	5/1/2012 3:26:00 PM
2	he_hmi.u	5/1/2012 3:26:00 PM

Sample Report

Sample Name	280-28076-S-1-A
Data File Name	037SMPL.D
DataPath	d:\DATA\050112a.B
Acq Date Time	2012-05-01T15:30:44-06:00
Type	Sample
VialNumber	4104
Dilution	1
Comment	117185 6020
Operator	LMT
ISTDRefDataFileName	003CALB.D
SamplePassFail	Pass
ISTD PassFail	Pass

QC Analyte Table

Element	m/z	ISTD	Tune Step	Meas Value	FinalConc	%RSD	Units	CPS	CPS %RSD	High Value	QC Flag
Be	9	6	1	0.00	0.00	-222380.70	ppb	5.00	100.00	3600	
Na	23	45	2	369808.20	369808.20	1.16	ppb	55773370.83	1.66	1800000	
Mg	24	45	2	49.82	49.82	7.91	ppb	3227.21	9.29	450000	
Al	27	45	2	708.22	708.22	2.00	ppb	8282.60	2.33	450000	
K	39	45	2	14703.82	14703.82	0.38	ppb	389108.64	1.48	180000	
Ca	44	45	2	43020.91	43020.91	3.00	ppb	63479.11	1.30	450000	
V	51	72	2	2.65	2.65	17.82	ppb	1932.93	19.40	3600	
Cr	52	72	2	4.60	4.60	2.82	ppb	5254.53	1.22	3600	
Mn	55	72	2	5.17	5.17	16.98	ppb	1986.95	15.61	3600	
Fe	57	72	2	343.12	343.12	3.55	ppb	7702.34	4.96	90000	
Co	59	72	2	0.13	0.13	35.75	ppb	366.71	30.04	3600	
Ni	60	72	2	5.97	5.97	8.19	ppb	4280.87	6.13	3600	
Cu	63	72	2	3.60	3.60	4.15	ppb	8536.07	5.20	3600	
Zn	66	72	2	48.91	48.91	4.87	ppb	8489.45	6.48	3600	
As	75	72	2	2.77	2.77	9.64	ppb	270.01	7.41	3600	
Se	78	72	1	0.05	0.05	61.71	ppb	28.00	37.80	3600	
Nb	93	72	2	-0.04	-0.04	-134.49	ppb	326.70	49.87	7200	
Mo	95	115	2	2.39	2.39	10.38	ppb	1993.64	11.54	3600	
Pd	105	115	2	0.01	0.01	163.53	ppb	40.00	50.01	3600	
Ag	107	115	2	0.44	0.44	8.99	ppb	1653.58	10.43	900	
Cd	111	115	2	-0.04	-0.04	-80.11	ppb	6.67	173.21	3600	
Sn	120	115	2	0.05	0.05	214.56	ppb	286.69	32.97	3600	
Sb	121	115	2	0.48	0.48	35.43	ppb	386.70	24.45	3600	
Ba	137	115	2	157.00	157.00	2.63	ppb	30449.10	2.22	3600	
W	182	165	2	3.19	3.19	3.41	ppb	17029.95	2.29	3600	
Pt	195	165	2	0.00	0.00	359.32	ppb	80.01	43.30	3600	
Tl	205	165	2	0.01	0.01	87.58	ppb	173.36	40.52	3600	
Pb	208	165	2	0.14	0.14	10.50	ppb	2373.62	6.81	3600	
Th	232	165	2	0.44	0.44	9.75	ppb	5081.22	9.46	3600	
U	238	165	2	0.01	0.01	35.73	ppb	313.37	22.42	3600	

QC ISTD Table

Element	m/z	Tune Step	CPS	%RSD	Ref CPS	%Rec	Lower Limit	Upper Limit	QC Flag
Li6	6	1	866358	1.61	875670	98.9	60	125	
Sc (IS)	45	2	632701	1.74	566157	111.8	60	125	
Ge (IS)	72	1	11449682	0.60	12633047	90.6	60	125	
Ge (IS)	72	2	826451	1.74	792866	104.2	60	125	
115In	115	2	2706032	1.70	2594197	104.3	60	125	
Ho-165	165	2	18074370	1.19	17194663	105.1	60	125	

TuneStep	TuneFile	TuneDate
1	h2_hmi.u	5/1/2012 3:29:00 PM
2	he_hmi.u	5/1/2012 3:29:00 PM

Continuing Calibration Verification (CCV) - US EPA Method 6020

Sample Name	ccv-1392320
Data File Name	0386CCV.D
DataPath	d:\DATA\050112a.B
Acq Date Time	2012-05-01T15:33:43-06:00
Type	6-CCV
VialNumber	1107
Dilution	1
Comment	
Operator	LMT
ISTDRefDataFileName	003CALB.D
SamplePassFail	Pass
ISTD PassFail	Pass

QC Analyte Table

Element	m/z	ISTD	Tune Step	Meas Value	%RSD	Units	CPS	CPS%RSD	Exp Value	%Rec	QC Low	QC High	QC Flag
Be	9	6	1	49.31	2.50	ppb	14302.22	2.41	50	98.6	90	110	
Na	23	45	2	5053.45	0.34	ppb	757701.63	0.24	5000	101.1	90	110	
Mg	24	45	2	5016.25	1.19	ppb	305312.31	1.34	5000	100.3	90	110	
Al	27	45	2	4941.11	1.45	ppb	57003.70	1.38	5000	98.8	90	110	
K	39	45	2	4934.79	2.07	ppb	129749.43	1.94	5000	98.7	90	110	
Ca	44	45	2	5195.06	8.22	ppb	7595.55	8.33	5000	103.9	90	110	
V	51	72	2	49.88	5.02	ppb	39203.93	4.90	50	99.8	90	110	
Cr	52	72	2	49.12	2.81	ppb	58510.60	3.41	50	98.2	90	110	
Mn	55	72	2	50.64	0.84	ppb	19912.68	0.10	50	101.3	90	110	
Fe	57	72	2	4901.48	1.87	ppb	114595.14	2.52	5000	98.0	90	110	
Co	59	72	2	49.70	2.90	ppb	121474.87	3.02	50	99.4	90	110	
Ni	60	72	2	48.34	2.66	ppb	35323.43	3.28	50	96.7	90	110	
Cu	63	72	2	50.54	2.46	ppb	110232.36	2.05	50	101.1	90	110	
Zn	66	72	2	52.44	2.24	ppb	9623.45	3.06	50	104.9	90	110	
As	75	72	2	48.34	10.18	ppb	4757.54	9.25	50	96.7	90	110	
Se	78	72	1	50.35	1.07	ppb	20838.89	1.19	50	100.7	90	110	
Nb	93	72	2	99.08	2.00	ppb	293999.22	1.12	100	99.1	90	110	
Mo	95	115	2	48.93	2.10	ppb	42314.04	1.13	50	97.9	90	110	
Pd	105	115	2	50.04	2.67	ppb	85292.58	2.28	50	100.1	90	110	
Ag	107	115	2	50.01	0.96	ppb	195105.67	0.25	50	100.0	90	110	
Cd	111	115	2	49.71	4.56	ppb	18851.75	5.47	50	99.4	90	110	
Sn	120	115	2	51.64	2.85	ppb	43972.13	1.91	50	103.3	90	110	
Sb	121	115	2	50.27	2.20	ppb	28084.97	3.14	50	100.5	90	110	
Ba	137	115	2	50.84	3.93	ppb	10424.11	3.85	50	101.7	90	110	
W	182	165	2	50.52	2.82	ppb	269817.35	2.23	50	101.0	90	110	
Pt	195	165	2	49.94	1.09	ppb	241424.09	0.79	50	99.9	90	110	
Tl	205	165	2	50.38	1.83	ppb	439085.74	1.06	50	100.8	90	110	
Pb	208	165	2	50.24	2.53	ppb	555586.20	2.13	50	100.5	90	110	
Th	232	165	2	49.60	1.82	ppb	547992.89	0.96	50	99.2	90	110	
U	238	165	2	50.21	2.13	ppb	686642.23	1.39	50	100.4	90	110	

QC ISTD Table

Element	m/z	Tune Step	CPS	%RSD	Ref CPS	%Rec	QC Low	QC High	QC Flag
Li6	6	1	1007683	0.75	875670	115.1	60	125	
Sc (IS)	45	2	625064	0.16	566157	110.4	60	125	
Ge (IS)	72	1	13936712	0.56	12633047	110.3	60	125	
Ge (IS)	72	2	875650	0.89	792866	110.4	60	125	
115In	115	2	2856326	1.00	2594197	110.1	60	125	
Ho-165	165	2	18830101	0.86	17194663	109.5	60	125	

TuneStep	TuneFile
1	h2_hmi.u
2	he_hmi.u

Continuing Calibration Blank (CCB) - US EPA Method 6020

Sample Name	ccb-1392356
Data File Name	0396CCB.D
DataPath	d:\DATA\050112a.B
Acq Date Time	2012-05-01T15:36:41-06:00
Type	6-CCB
VialNumber	1307
Dilution	1
Comment	
Operator	LMT
ISTDRefDataFileName	003CALB.D
SamplePassFail	Fail
ISTD PassFail	Pass

QC Analyte Table

Element	m/z	ISTD	Tune Step	Meas Value	%RSD	Units	CPS	CPS%RSD	QC High	QC Flag
Be	9	6	1	0.02	106.47	ppb	10.00	50.00	1	
Na	23	45	2	64.70	12.28	ppb	13812.78	8.62	20	6-CCB Main Failed
Mg	24	45	2	2.15	32.76	ppb	273.36	15.23	20	
Al	27	45	2	1.76	158.21	ppb	33.34	91.66	20	
K	39	45	2	0.91	457.77	ppb	1080.12	9.26	20	
Ca	44	45	2	-0.76	-1901.06	ppb	20.00	100.00	20	
V	51	72	2	0.17	103.59	ppb	91.02	145.04	1	
Cr	52	72	2	0.04	142.22	ppb	140.03	49.50	1	
Mn	55	72	2	0.01	2817.87	ppb	80.01	90.14	1	
Fe	57	72	2	5.95	9.14	ppb	273.36	4.22	20	
Co	59	72	2	0.01	375.77	ppb	86.67	70.50	1	
Ni	60	72	2	0.05	362.57	ppb	226.70	58.75	1	
Cu	63	72	2	0.06	88.80	ppb	1340.17	7.90	1	
Zn	66	72	2	-0.02	-2993.98	ppb	200.02	55.68	5	
As	75	72	2	-0.01	-1596.12	ppb	13.33	86.60	5	
Se	78	72	1	0.05	55.87	ppb	30.67	32.83	5	
Nb	93	72	2	0.62	20.39	ppb	2206.99	16.32	5	
Mo	95	115	2	0.11	62.55	ppb	133.35	45.83	1	
Pd	105	115	2	0.04	0.62	ppb	100.01	0.00	1	
Ag	107	115	2	0.91	8.92	ppb	3507.37	8.95	1	
Cd	111	115	2	0.05	215.67	ppb	40.00	100.00	1	
Sn	120	115	2	0.05	234.64	ppb	293.37	33.63	5	
Sb	121	115	2	0.17	187.60	ppb	226.69	75.04	0.2	
Ba	137	115	2	-0.04	-293.86	ppb	13.33	173.21	1	
W	182	165	2	0.04	28.75	ppb	953.45	6.74	1	
Pt	195	165	2	0.02	32.00	ppb	166.68	18.33	1	
Tl	205	165	2	0.04	31.03	ppb	413.37	23.87	1	
Pb	208	165	2	0.04	15.11	ppb	1366.83	5.54	1	
Th	232	165	2	0.09	26.37	ppb	1393.54	17.13	1	
U	238	165	2	0.02	68.76	ppb	406.71	46.74	1	

QC ISTD Table

Element	m/z	Tune Step	CPS	%RSD	Ref CPS	%Rec	QC Low	QC High	QC Flag
Li6	6	1	950669	2.85	875670	108.6	60	125	
Sc (IS)	45	2	598528	0.54	566157	105.7	60	125	
Ge (IS)	72	1	13115633	0.45	12633047	103.8	60	125	
Ge (IS)	72	2	836417	0.39	792866	105.5	60	125	
115In	115	2	2800691	0.44	2594197	108.0	60	125	
Ho-165	165	2	18314823	0.54	17194663	106.5	60	125	

TuneStep	TuneFile
1	h2_hmi.u
2	he_hmi.u

Blank (Blank) - US EPA Method 6020

Sample Name	MB 280-117478/1-A
Data File Name	040SMPL.D
DataPath	d:\DATA\050112a.B
Acq Date Time	2012-05-01T15:39:39-06:00
Type	6-Blank
VialNumber	4202
Dilution	1
Comment	117478 6020
Operator	LMT
ISTDRefDataFileName	003CALB.D
SamplePassFail	Fail
ISTD PassFail	Pass

QC Analyte Table

Element	m/z	ISTD	Tune Step	Meas Value	%RSD	Units	CPS	CPS %RSD	QC High	QC Flag
Be	9	6	1	0.02	201.68	ppb	10.00	100.00	1	
Na	23	45	2	17.64	12.82	ppb	6841.84	5.07	20	
Mg	24	45	2	0.66	159.29	ppb	180.02	33.33	20	
Al	27	45	2	5.00	43.94	ppb	66.67	34.65	20	
K	39	45	2	-1.06	-649.73	ppb	993.48	16.40	20	
Ca	44	45	2	9.58	235.97	ppb	33.34	91.66	20	
V	51	72	2	0.15	72.55	ppb	72.71	107.33	1	
Cr	52	72	2	0.08	131.67	ppb	180.02	67.58	1	
Mn	55	72	2	0.15	110.73	ppb	126.68	45.58	1	
Fe	57	72	2	1.81	121.28	ppb	173.35	26.65	20	
Co	59	72	2	-0.01	-146.46	ppb	40.00	100.00	1	
Ni	60	72	2	-0.10	-73.73	ppb	113.35	44.41	1	
Cu	63	72	2	0.05	49.62	ppb	1266.81	3.29	1	
Zn	66	72	2	0.27	312.02	ppb	240.02	58.34	5	
As	75	72	2	-0.15	0.00	ppb	0.00	#DIV/0!	5	
Se	78	72	1	0.05	67.01	ppb	30.67	41.93	5	
Nb	93	72	2	0.24	25.54	ppb	1080.15	14.70	5	
Mo	95	115	2	0.09	31.87	ppb	106.68	21.65	1	
Pd	105	115	2	0.00	745.71	ppb	33.34	124.90	1	
Ag	107	115	2	1.54	9.10	ppb	5768.16	8.46	1	6-Blank Main Failed
Cd	111	115	2	-0.06	0.00	ppb	0.00	#DIV/0!	1	
Sn	120	115	2	-0.13	-20.56	ppb	140.01	14.28	5	
Sb	121	115	2	-0.10	-78.38	ppb	80.01	50.00	0.2	
Ba	137	115	2	0.00	-30.62	ppb	20.00	0.00	1	
W	182	165	2	0.04	59.04	ppb	913.44	11.24	1	
Pt	195	165	2	0.00	1353.41	ppb	73.34	56.77	1	
Tl	205	165	2	0.01	145.28	ppb	160.01	62.50	1	
Pb	208	165	2	0.00	-947.94	ppb	886.77	9.11	1	
Th	232	165	2	0.23	11.41	ppb	2920.54	9.88	1	
U	238	165	2	0.00	99.84	ppb	166.68	24.98	1	

QC ISTD Table

Element	m/z	Tune Step	CPS	%RSD	Ref CPS	%Rec	QC Low	QC High	QC Flag
Li6	6	1	871050	2.24	875670	99.5	60	125	
Sc (IS)	45	2	576947	0.55	566157	101.9	60	125	
Ge (IS)	72	1	12108948	0.40	12633047	95.9	60	125	
Ge (IS)	72	2	802055	0.56	792866	101.2	60	125	
115In	115	2	2718194	1.03	2594197	104.8	60	125	
Ho-165	165	2	18038474	0.50	17194663	104.9	60	125	

TuneStep	TuneFile
1	h2_hmi.u
2	he_hmi.u

Sample Report

Sample Name	LCS 280-117478/2-A
Data File Name	041SMPL.D
DataPath	d:\DATA\050112a.B
Acq Date Time	2012-05-01T15:42:36-06:00
Type	Sample
VialNumber	4203
Dilution	1
Comment	117478 6020
Operator	LMT
ISTDRefDataFileName	003CALB.D
SamplePassFail	Pass
ISTD PassFail	Pass

QC Analyte Table

Element	m/z	ISTD	Tune Step	Meas Value	FinalConc	%RSD	Units	CPS	CPS %RSD	High Value	QC Flag
Be	9	6	1	37.04	37.04	2.83	ppb	8968.96	2.45	3600	
Na	23	45	2	15.87	15.87	11.00	ppb	6388.30	3.17	1800000	
Mg	24	45	2	-0.59	-0.59	-236.89	ppb	106.67	70.99	450000	
Al	27	45	2	2.61	2.61	196.38	ppb	40.00	132.29	450000	
K	39	45	2	-5.19	-5.19	-70.98	ppb	866.77	10.40	180000	
Ca	44	45	2	25.84	25.84	69.47	ppb	53.34	43.31	450000	
V	51	72	2	39.53	39.53	7.14	ppb	27797.30	7.61	3600	
Cr	52	72	2	39.41	39.41	2.48	ppb	42004.16	2.02	3600	
Mn	55	72	2	41.68	41.68	2.98	ppb	14673.88	2.84	3600	
Fe	57	72	2	1.04	1.04	214.41	ppb	153.35	30.12	90000	
Co	59	72	2	40.96	40.96	3.28	ppb	89550.07	3.10	3600	
Ni	60	72	2	40.17	40.17	1.01	ppb	26287.76	0.78	3600	
Cu	63	72	2	40.71	40.71	2.86	ppb	79665.72	2.93	3600	
Zn	66	72	2	41.80	41.80	6.20	ppb	6902.01	6.36	3600	
As	75	72	2	40.20	40.20	5.33	ppb	3543.85	5.08	3600	
Se	78	72	1	37.87	37.87	2.12	ppb	13431.85	2.30	3600	
Nb	93	72	2	0.06	0.06	59.84	ppb	600.06	17.64	7200	
Mo	95	115	2	40.20	40.20	2.73	ppb	32432.37	2.49	3600	
Pd	105	115	2	-0.01	-0.01	-56.57	ppb	6.67	173.21	3600	
Ag	107	115	2	41.15	41.15	0.29	ppb	149753.57	0.47	900	
Cd	111	115	2	38.25	38.25	5.42	ppb	13526.38	5.04	3600	
Sn	120	115	2	41.45	41.45	3.15	ppb	32967.21	2.53	3600	
Sb	121	115	2	38.19	38.19	0.99	ppb	19926.46	1.44	3600	
Ba	137	115	2	39.83	39.83	11.57	ppb	7615.70	10.92	3600	
W	182	165	2	0.03	0.03	102.34	ppb	866.77	16.21	3600	
Pt	195	165	2	0.00	0.00	-279.89	ppb	46.67	137.77	3600	
Tl	205	165	2	40.99	40.99	1.08	ppb	338724.51	1.45	3600	
Pb	208	165	2	41.51	41.51	0.81	ppb	435335.28	0.78	3600	
Th	232	165	2	38.62	38.62	0.58	ppb	404684.27	0.49	3600	
U	238	165	2	41.49	41.49	0.90	ppb	537957.28	0.84	3600	

QC ISTD Table

Element	m/z	Tune Step	CPS	%RSD	Ref CPS	%Rec	Lower Limit	Upper Limit	QC Flag
Li6	6	1	841174	0.40	875670	96.1	60	125	
Sc (IS)	45	2	558790	0.50	566157	98.7	60	125	
Ge (IS)	72	1	11940984	0.21	12633047	94.5	60	125	
Ge (IS)	72	2	783313	0.49	792866	98.8	60	125	
115In	115	2	2663830	0.75	2594197	102.7	60	125	
Ho-165	165	2	17850788	0.45	17194663	103.8	60	125	

TuneStep	TuneFile	TuneDate
1	h2_hmi.u	5/1/2012 3:41:00 PM
2	he_hmi.u	5/1/2012 3:41:00 PM

Sample Report

Sample Name	280-28240-H-1-A
Data File Name	042SMPL.D
DataPath	d:\DATA\050112a.B
Acq Date Time	2012-05-01T15:45:36-06:00
Type	Sample
VialNumber	4204
Dilution	1
Comment	117478 6020
Operator	LMT
ISTDRefDataFileName	003CALB.D
SamplePassFail	Pass
ISTD PassFail	Pass

QC Analyte Table

Element	m/z	ISTD	Tune Step	Meas Value	FinalConc	%RSD	Units	CPS	CPS %RSD	High Value	QC Flag
Be	9	6	1	0.03	0.03	106.86	ppb	11.67	65.47	3600	
Na	23	45	2	29527.17	29527.17	1.14	ppb	3805316.82	0.67	1800000	
Mg	24	45	2	24599.12	24599.12	1.71	ppb	1293095.92	1.23	450000	
Al	27	45	2	294.51	294.51	4.99	ppb	2947.27	4.52	450000	
K	39	45	2	811.70	811.70	1.77	ppb	19238.27	1.56	180000	
Ca	44	45	2	92996.75	92996.75	2.03	ppb	117148.20	1.52	450000	
V	51	72	2	2.11	2.11	16.67	ppb	1381.84	16.85	3600	
Cr	52	72	2	0.58	0.58	29.61	ppb	673.42	25.95	3600	
Mn	55	72	2	534.23	534.23	2.45	ppb	178502.44	2.43	3600	
Fe	57	72	2	250.25	250.25	13.76	ppb	5107.82	13.21	90000	
Co	59	72	2	0.27	0.27	23.34	ppb	620.06	21.15	3600	
Ni	60	72	2	15.58	15.58	1.86	ppb	9823.40	2.01	3600	
Cu	63	72	2	0.81	0.81	16.23	ppb	2573.74	9.21	3600	
Zn	66	72	2	4.34	4.34	33.08	ppb	846.77	26.02	3600	
As	75	72	2	0.37	0.37	18.55	ppb	43.33	13.32	3600	
Se	78	72	1	0.07	0.07	73.55	ppb	34.67	52.03	3600	
Nb	93	72	2	0.06	0.06	51.99	ppb	553.39	13.68	7200	
Mo	95	115	2	0.49	0.49	29.08	ppb	413.37	27.51	3600	
Pd	105	115	2	-0.01	-0.01	-58.52	ppb	6.67	173.21	3600	
Ag	107	115	2	0.23	0.23	24.56	ppb	826.77	22.99	900	
Cd	111	115	2	1.18	1.18	27.02	ppb	420.04	25.20	3600	
Sn	120	115	2	-0.03	-0.03	-400.36	ppb	206.69	43.64	3600	
Sb	121	115	2	0.19	0.19	57.00	ppb	220.02	24.05	3600	
Ba	137	115	2	281.67	281.67	0.99	ppb	51702.31	0.36	3600	
W	182	165	2	0.02	0.02	26.58	ppb	813.43	3.76	3600	
Pt	195	165	2	0.00	0.00	-480.83	ppb	60.00	57.74	3600	
Tl	205	165	2	0.05	0.05	5.35	ppb	480.05	4.17	3600	
Pb	208	165	2	0.78	0.78	6.80	ppb	8735.12	5.85	3600	
Th	232	165	2	1.33	1.33	8.90	ppb	13947.55	8.95	3600	
U	238	165	2	0.21	0.21	6.85	ppb	2733.82	7.03	3600	

QC ISTD Table

Element	m/z	Tune Step	CPS	%RSD	Ref CPS	%Rec	Lower Limit	Upper Limit	QC Flag
Li6	6	1	774612	1.18	875670	88.5	60	125	
Sc (IS)	45	2	540102	0.51	566157	95.4	60	125	
Ge (IS)	72	1	10984731	0.86	12633047	87.0	60	125	
Ge (IS)	72	2	746828	0.21	792866	94.2	60	125	
115In	115	2	2561685	0.86	2594197	98.7	60	125	
Ho-165	165	2	17312590	0.48	17194663	100.7	60	125	

TuneStep	TuneFile	TuneDate
1	h2_hmi.u	5/1/2012 3:44:00 PM
2	he_hmi.u	5/1/2012 3:44:00 PM

Sample Report

Sample Name	280-28240-H-1-A sd@5
Data File Name	043SMPL.D
DataPath	d:\DATA\050112a.B
Acq Date Time	2012-05-01T15:48:35-06:00
Type	Sample
VialNumber	4205
Dilution	1
Comment	117478 6020
Operator	LMT
ISTDRefDataFileName	003CALB.D
SamplePassFail	Pass
ISTD PassFail	Pass

QC Analyte Table

Element	m/z	ISTD	Tune Step	Meas Value	FinalConc	%RSD	Units	CPS	CPS %RSD	High Value	QC Flag
Be	9	6	1	0.00	0.00	2791.76	ppb	5.00	100.00	3600	
Na	23	45	2	6077.91	6077.91	3.22	ppb	776156.92	2.29	1800000	
Mg	24	45	2	4973.51	4973.51	3.19	ppb	258061.88	1.35	450000	
Al	27	45	2	47.43	47.43	35.41	ppb	480.05	35.60	450000	
K	39	45	2	178.85	178.85	11.93	ppb	4914.43	8.60	180000	
Ca	44	45	2	18804.89	18804.89	4.36	ppb	23390.12	3.66	450000	
V	51	72	2	0.23	0.23	91.24	ppb	122.16	115.15	3600	
Cr	52	72	2	0.18	0.18	34.75	ppb	273.36	23.52	3600	
Mn	55	72	2	106.75	106.75	2.80	ppb	36452.55	1.05	3600	
Fe	57	72	2	50.11	50.11	0.32	ppb	1146.80	2.01	90000	
Co	59	72	2	0.08	0.08	42.82	ppb	240.02	30.05	3600	
Ni	60	72	2	3.06	3.06	20.84	ppb	2106.98	17.23	3600	
Cu	63	72	2	0.12	0.12	90.66	ppb	1346.84	16.89	3600	
Zn	66	72	2	3.21	3.21	5.93	ppb	686.75	6.06	3600	
As	75	72	2	0.20	0.20	175.93	ppb	30.00	100.00	3600	
Se	78	72	1	0.03	0.03	26.36	ppb	21.33	10.83	3600	
Nb	93	72	2	-0.02	-0.02	-296.53	ppb	360.04	48.11	7200	
Mo	95	115	2	0.09	0.09	58.33	ppb	100.01	40.00	3600	
Pd	105	115	2	-0.01	-0.01	-176.69	ppb	13.33	173.21	3600	
Ag	107	115	2	0.54	0.54	14.93	ppb	1940.29	16.07	900	
Cd	111	115	2	0.20	0.20	76.84	ppb	86.68	58.08	3600	
Sn	120	115	2	-0.03	-0.03	-518.66	ppb	206.69	59.13	3600	
Sb	121	115	2	-0.01	-0.01	-719.40	ppb	120.01	28.87	3600	
Ba	137	115	2	58.61	58.61	5.95	ppb	10764.33	4.33	3600	
W	182	165	2	0.00	0.00	-13838.94	ppb	706.76	31.56	3600	
Pt	195	165	2	0.00	0.00	-363.45	ppb	53.34	94.37	3600	
Tl	205	165	2	0.00	0.00	166.26	ppb	126.68	50.76	3600	
Pb	208	165	2	0.23	0.23	10.20	ppb	3200.43	6.76	3600	
Th	232	165	2	0.10	0.10	49.83	ppb	1480.24	34.75	3600	
U	238	165	2	0.04	0.04	42.74	ppb	620.07	34.14	3600	

QC ISTD Table

Element	m/z	Tune Step	CPS	%RSD	Ref CPS	%Rec	Lower Limit	Upper Limit	QC Flag
Li6	6	1	833285	0.93	875670	95.2	60	125	
Sc (IS)	45	2	533085	1.92	566157	94.2	60	125	
Ge (IS)	72	1	11833161	1.62	12633047	93.7	60	125	
Ge (IS)	72	2	762319	1.80	792866	96.1	60	125	
115In	115	2	2560735	1.60	2594197	98.7	60	125	
Ho-165	165	2	17351049	1.53	17194663	100.9	60	125	

TuneStep	TuneFile	TuneDate
1	h2_hmi.u	5/1/2012 3:47:00 PM
2	he_hmi.u	5/1/2012 3:47:00 PM

Sample Report

Sample Name	280-28240-H-1-B MS
Data File Name	044SMPL.D
DataPath	d:\DATA\050112a.B
Acq Date Time	2012-05-01T15:51:33-06:00
Type	Sample
VialNumber	4206
Dilution	1
Comment	117478 6020
Operator	LMT
ISTDRefDataFileName	003CALB.D
SamplePassFail	Pass
ISTD PassFail	Pass

QC Analyte Table

Element	m/z	ISTD	Tune Step	Meas Value	FinalConc	%RSD	Units	CPS	CPS %RSD	High Value	QC Flag
Be	9	6	1	46.37	46.37	29.73	ppb	8950.62	15.12	3600	
Na	23	45	2	29170.16	29170.16	1.62	ppb	3658654.01	0.58	1800000	
Mg	24	45	2	24120.15	24120.15	2.00	ppb	1233976.00	1.28	450000	
Al	27	45	2	250.22	250.22	10.10	ppb	2440.38	10.66	450000	
K	39	45	2	816.22	816.22	1.92	ppb	18824.24	2.26	180000	
Ca	44	45	2	93792.11	93792.11	2.22	ppb	114994.30	2.02	450000	
V	51	72	2	42.20	42.20	2.82	ppb	27589.79	3.68	3600	
Cr	52	72	2	39.03	39.03	2.08	ppb	38683.29	2.85	3600	
Mn	55	72	2	568.34	568.34	2.16	ppb	185152.78	1.33	3600	
Fe	57	72	2	247.67	247.67	17.72	ppb	4927.86	16.61	90000	
Co	59	72	2	40.05	40.05	2.12	ppb	81412.45	2.38	3600	
Ni	60	72	2	54.21	54.21	2.29	ppb	32925.56	3.12	3600	
Cu	63	72	2	38.03	38.03	2.17	ppb	69242.51	1.19	3600	
Zn	66	72	2	41.57	41.57	5.24	ppb	6381.61	5.27	3600	
As	75	72	2	39.29	39.29	5.37	ppb	3220.46	5.67	3600	
Se	78	72	1	42.49	42.49	23.67	ppb	11942.78	8.26	3600	
Nb	93	72	2	-0.04	-0.04	-66.76	ppb	306.70	19.93	7200	
Mo	95	115	2	39.34	39.34	8.09	ppb	29814.12	7.67	3600	
Pd	105	115	2	0.01	0.01	383.62	ppb	33.34	91.66	3600	
Ag	107	115	2	38.45	38.45	1.52	ppb	131474.54	1.59	900	
Cd	111	115	2	40.01	40.01	2.98	ppb	13292.79	1.74	3600	
Sn	120	115	2	38.53	38.53	5.54	ppb	28826.72	6.81	3600	
Sb	121	115	2	36.62	36.62	1.09	ppb	17957.50	2.29	3600	
Ba	137	115	2	319.40	319.40	3.26	ppb	57267.32	2.00	3600	
W	182	165	2	0.03	0.03	84.60	ppb	840.11	14.48	3600	
Pt	195	165	2	0.00	0.00	-21679.75	ppb	66.67	17.32	3600	
Tl	205	165	2	39.93	39.93	1.20	ppb	317262.29	0.26	3600	
Pb	208	165	2	39.75	39.75	1.26	ppb	400868.69	0.65	3600	
Th	232	165	2	39.05	39.05	0.85	ppb	393422.82	0.87	3600	
U	238	165	2	40.93	40.93	2.52	ppb	510293.20	1.67	3600	

QC ISTD Table

Element	m/z	Tune Step	CPS	%RSD	Ref CPS	%Rec	Lower Limit	Upper Limit	QC Flag
Li6	6	1	688043	12.80	875670	78.6	60	125	
Sc (IS)	45	2	525675	1.08	566157	92.8	60	125	
Ge (IS)	72	1	9678883	14.18	12633047	76.6	60	125	
Ge (IS)	72	2	728273	0.95	792866	91.9	60	125	
115In	115	2	2502920	1.28	2594197	96.5	60	125	
Ho-165	165	2	17165872	0.95	17194663	99.8	60	125	

TuneStep	TuneFile	TuneDate
1	h2_hmi.u	5/1/2012 3:50:00 PM
2	he_hmi.u	5/1/2012 3:50:00 PM

Sample Report

Sample Name	280-28240-H-1-C MSD
Data File Name	045SMPL.D
DataPath	d:\DATA\050112a.B
Acq Date Time	2012-05-01T15:54:32-06:00
Type	Sample
VialNumber	4207
Dilution	1
Comment	117478 6020
Operator	LMT
ISTDRefDataFileName	003CALB.D
SamplePassFail	Pass
ISTD PassFail	Pass

QC Analyte Table

Element	m/z	ISTD	Tune Step	Meas Value	FinalConc	%RSD	Units	CPS	CPS %RSD	High Value	QC Flag
Be	9	6	1	39.46	39.46	3.52	ppb	8276.94	2.83	3600	
Na	23	45	2	29584.85	29584.85	0.80	ppb	3678576.19	0.34	1800000	
Mg	24	45	2	24585.73	24585.73	1.96	ppb	1246889.46	1.47	450000	
Al	27	45	2	258.97	258.97	18.17	ppb	2500.42	17.55	450000	
K	39	45	2	849.60	849.60	6.44	ppb	19382.12	5.76	180000	
Ca	44	45	2	94114.16	94114.16	1.48	ppb	114390.79	1.60	450000	
V	51	72	2	41.01	41.01	8.85	ppb	26387.16	8.25	3600	
Cr	52	72	2	40.28	40.28	7.21	ppb	39298.52	6.59	3600	
Mn	55	72	2	576.58	576.58	2.14	ppb	185000.09	1.59	3600	
Fe	57	72	2	240.21	240.21	3.51	ppb	4714.39	3.53	90000	
Co	59	72	2	40.18	40.18	2.12	ppb	80448.51	1.67	3600	
Ni	60	72	2	54.99	54.99	2.09	ppb	32885.64	1.47	3600	
Cu	63	72	2	40.26	40.26	0.24	ppb	72153.19	0.66	3600	
Zn	66	72	2	43.09	43.09	3.12	ppb	6508.41	3.60	3600	
As	75	72	2	38.12	38.12	6.03	ppb	3077.06	5.44	3600	
Se	78	72	1	35.81	35.81	3.61	ppb	11044.87	3.05	3600	
Nb	93	72	2	-0.05	-0.05	-26.35	ppb	260.03	13.32	7200	
Mo	95	115	2	40.19	40.19	4.34	ppb	30028.55	3.97	3600	
Pd	105	115	2	0.00	0.00	-383.07	ppb	20.00	100.00	3600	
Ag	107	115	2	38.59	38.59	1.55	ppb	130092.26	1.92	900	
Cd	111	115	2	38.99	38.99	4.47	ppb	12772.52	4.55	3600	
Sn	120	115	2	39.95	39.95	0.43	ppb	29440.60	0.04	3600	
Sb	121	115	2	37.54	37.54	2.89	ppb	18144.38	2.99	3600	
Ba	137	115	2	331.19	331.19	4.36	ppb	58551.09	4.02	3600	
W	182	165	2	0.01	0.01	342.82	ppb	753.42	28.39	3600	
Pt	195	165	2	-0.01	-0.01	-92.39	ppb	33.34	91.66	3600	
Tl	205	165	2	40.29	40.29	0.65	ppb	316901.66	0.48	3600	
Pb	208	165	2	40.75	40.75	1.39	ppb	406904.67	0.80	3600	
Th	232	165	2	40.04	40.04	0.61	ppb	399370.19	1.20	3600	
U	238	165	2	41.52	41.52	0.48	ppb	512570.60	0.86	3600	

QC ISTD Table

Element	m/z	Tune Step	CPS	%RSD	Ref CPS	%Rec	Lower Limit	Upper Limit	QC Flag
Li6	6	1	728832	0.73	875670	83.2	60	125	
Sc (IS)	45	2	521094	0.66	566157	92.0	60	125	
Ge (IS)	72	1	10382946	0.60	12633047	82.2	60	125	
Ge (IS)	72	2	717236	0.61	792866	90.5	60	125	
115In	115	2	2467500	0.39	2594197	95.1	60	125	
Ho-165	165	2	16995177	0.60	17194663	98.8	60	125	

TuneStep	TuneFile	TuneDate
1	h2_hmi.u	5/1/2012 3:53:00 PM
2	he_hmi.u	5/1/2012 3:53:00 PM

Sample Report

Sample Name	280-28240-H-1-A pds
Data File Name	046SMPL.D
DataPath	d:\DATA\050112a.B
Acq Date Time	2012-05-01T15:57:31-06:00
Type	Sample
VialNumber	4208
Dilution	1
Comment	117478 6020
Operator	LMT
ISTDRefDataFileName	003CALB.D
SamplePassFail	Pass
ISTD PassFail	Pass

QC Analyte Table

Element	m/z	ISTD	Tune Step	Meas Value	FinalConc	%RSD	Units	CPS	CPS %RSD	High Value	QC Flag
Be	9	6	1	194.21	194.21	1.49	ppb	40108.83	1.45	3600	
Na	23	45	2	28124.28	28124.28	6.71	ppb	3493016.30	3.10	1800000	
Mg	24	45	2	22797.15	22797.15	8.29	ppb	1154405.84	4.68	450000	
Al	27	45	2	301.25	301.25	14.49	ppb	2900.57	11.10	450000	
K	39	45	2	770.33	770.33	4.90	ppb	17650.06	0.99	180000	
Ca	44	45	2	86537.62	86537.62	7.47	ppb	105042.75	4.02	450000	
V	51	72	2	197.07	197.07	7.80	ppb	126763.15	5.35	3600	
Cr	52	72	2	186.73	186.73	8.09	ppb	181608.80	5.27	3600	
Mn	55	72	2	706.84	706.84	7.30	ppb	226396.81	4.45	3600	
Fe	57	72	2	279.32	279.32	17.21	ppb	5441.32	14.02	90000	
Co	59	72	2	191.27	191.27	5.74	ppb	382144.38	2.72	3600	
Ni	60	72	2	203.35	203.35	5.16	ppb	121019.35	2.27	3600	
Cu	63	72	2	186.22	186.22	7.32	ppb	329319.48	4.26	3600	
Zn	66	72	2	189.47	189.47	7.43	ppb	27970.50	4.39	3600	
As	75	72	2	173.25	173.25	12.00	ppb	13912.70	9.72	3600	
Se	78	72	1	181.29	181.29	0.40	ppb	54984.98	0.78	3600	
Nb	93	72	2	-0.03	-0.03	-136.75	ppb	326.69	25.49	7200	
Mo	95	115	2	186.91	186.91	4.43	ppb	141426.48	3.11	3600	
Pd	105	115	2	-0.02	-0.02	0.00	ppb	0.00	#DIV/0!	3600	
Ag	107	115	2	151.50	151.50	17.38	ppb	516591.46	15.78	900	
Cd	111	115	2	178.80	178.80	3.89	ppb	59291.07	2.27	3600	
Sn	120	115	2	191.79	191.79	5.36	ppb	142353.59	3.72	3600	
Sb	121	115	2	179.02	179.02	4.62	ppb	87224.54	3.11	3600	
Ba	137	115	2	458.26	458.26	5.73	ppb	82081.04	4.07	3600	
W	182	165	2	0.03	0.03	195.57	ppb	846.77	37.08	3600	
Pt	195	165	2	-0.01	-0.01	-18.56	ppb	6.67	173.21	3600	
Tl	205	165	2	194.34	194.34	4.98	ppb	1536165.76	1.83	3600	
Pb	208	165	2	192.23	192.23	6.14	ppb	1925620.10	3.06	3600	
Th	232	165	2	196.17	196.17	6.90	ppb	1964136.06	3.77	3600	
U	238	165	2	199.27	199.27	7.34	ppb	2470714.24	4.51	3600	

QC ISTD Table

Element	m/z	Tune Step	CPS	%RSD	Ref CPS	%Rec	Lower Limit	Upper Limit	QC Flag
Li6	6	1	717720	0.40	875670	82.0	60	125	
Sc (IS)	45	2	521328	3.74	566157	92.1	60	125	
Ge (IS)	72	1	10217999	1.16	12633047	80.9	60	125	
Ge (IS)	72	2	717029	3.17	792866	90.4	60	125	
115In	115	2	2501542	1.70	2594197	96.4	60	125	
Ho-165	165	2	17099342	3.21	17194663	99.4	60	125	

TuneStep	TuneFile	TuneDate
1	h2_hmi.u	5/1/2012 3:56:00 PM
2	he_hmi.u	5/1/2012 3:56:00 PM

Continuing Calibration Verification (CCV) - US EPA Method 6020

Sample Name	ccv-1392320
Data File Name	0476CCV.D
DataPath	d:\DATA\050112a.B
Acq Date Time	2012-05-01T16:00:30-06:00
Type	6-CCV
VialNumber	1107
Dilution	1
Comment	
Operator	LMT
ISTDRefDataFileName	003CALB.D
SamplePassFail	Pass
ISTD PassFail	Pass

QC Analyte Table

Element	m/z	ISTD	Tune Step	Meas Value	%RSD	Units	CPS	CPS%RSD	Exp Value	%Rec	QC Low	QC High	QC Flag
Be	9	6	1	49.09	4.93	ppb	10874.93	3.24	50	98.2	90	110	
Na	23	45	2	4825.74	0.87	ppb	595187.23	0.68	5000	96.5	90	110	
Mg	24	45	2	4845.56	0.95	ppb	242521.40	0.08	5000	96.9	90	110	
Al	27	45	2	4910.84	2.28	ppb	46593.95	2.80	5000	98.2	90	110	
K	39	45	2	4919.37	2.71	ppb	106355.50	1.82	5000	98.4	90	110	
Ca	44	45	2	5415.31	4.22	ppb	6508.37	3.39	5000	108.3	90	110	
V	51	72	2	48.81	2.94	ppb	32012.66	3.44	50	97.6	90	110	
Cr	52	72	2	47.24	3.38	ppb	46943.91	3.09	50	94.5	90	110	
Mn	55	72	2	49.39	4.44	ppb	16201.83	3.79	50	98.8	90	110	
Fe	57	72	2	4755.11	2.10	ppb	92745.90	1.48	5000	95.1	90	110	
Co	59	72	2	48.70	3.35	ppb	99293.60	2.77	50	97.4	90	110	
Ni	60	72	2	49.88	1.45	ppb	30407.77	1.98	50	99.8	90	110	
Cu	63	72	2	49.80	1.93	ppb	90662.97	2.17	50	99.6	90	110	
Zn	66	72	2	51.02	3.95	ppb	7815.64	3.60	50	102.0	90	110	
As	75	72	2	47.47	2.65	ppb	3900.62	2.70	50	94.9	90	110	
Se	78	72	1	50.40	0.74	ppb	16759.99	0.30	50	100.8	90	110	
Nb	93	72	2	97.74	1.08	ppb	242007.64	0.43	100	97.7	90	110	
Mo	95	115	2	49.77	3.13	ppb	37415.66	2.52	50	99.5	90	110	
Pd	105	115	2	49.84	1.20	ppb	73846.18	1.25	50	99.7	90	110	
Ag	107	115	2	52.13	1.90	ppb	176794.86	1.15	50	104.3	90	110	
Cd	111	115	2	47.59	4.08	ppb	15681.88	3.25	50	95.2	90	110	
Sn	120	115	2	49.71	5.52	ppb	36795.29	4.58	50	99.4	90	110	
Sb	121	115	2	49.40	2.87	ppb	23985.57	1.77	50	98.8	90	110	
Ba	137	115	2	48.18	2.60	ppb	8589.58	3.23	50	96.4	90	110	
W	182	165	2	50.45	1.96	ppb	241459.93	1.57	50	100.9	90	110	
Pt	195	165	2	49.54	1.98	ppb	214623.04	1.82	50	99.1	90	110	
Tl	205	165	2	50.32	0.81	ppb	393006.22	1.02	50	100.6	90	110	
Pb	208	165	2	50.93	0.58	ppb	504693.47	0.16	50	101.9	90	110	
Th	232	165	2	53.77	0.76	ppb	532364.33	0.38	50	107.5	90	110	
U	238	165	2	51.18	1.38	ppb	627149.05	1.31	50	102.4	90	110	

QC ISTD Table

Element	m/z	Tune Step	CPS	%RSD	Ref CPS	%Rec	QC Low	QC High	QC Flag
Li6	6	1	770147	2.41	875670	87.9	60	125	
Sc (IS)	45	2	514030	0.90	566157	90.8	60	125	
Ge (IS)	72	1	11198574	0.79	12633047	88.6	60	125	
Ge (IS)	72	2	730594	0.65	792866	92.1	60	125	
115In	115	2	2482964	1.17	2594197	95.7	60	125	
Ho-165	165	2	16873244	0.53	17194663	98.1	60	125	

TuneStep	TuneFile
1	h2_hmi.u
2	he_hmi.u

Continuing Calibration Blank (CCB) - US EPA Method 6020

Sample Name	ccb-1392356
Data File Name	0486CCB.D
DataPath	d:\DATA\050112a.B
Acq Date Time	2012-05-01T16:03:29-06:00
Type	6-CCB
VialNumber	1307
Dilution	1
Comment	
Operator	LMT
ISTDRefDataFileName	003CALB.D
SamplePassFail	Fail
ISTD PassFail	Pass

QC Analyte Table

Element	m/z	ISTD	Tune Step	Meas Value	%RSD	Units	CPS	CPS %RSD	QC High	QC Flag
Be	9	6	1	0.03	141.12	ppb	11.67	89.21	1	
Na	23	45	2	12.04	46.86	ppb	5347.87	13.43	20	
Mg	24	45	2	1.37	149.85	ppb	193.35	52.07	20	
Al	27	45	2	0.15	1600.70	ppb	13.33	173.21	20	
K	39	45	2	-3.99	-125.90	ppb	813.42	13.54	20	
Ca	44	45	2	7.41	133.66	ppb	26.67	43.30	20	
V	51	72	2	0.01	528.14	ppb	-22.98	-201.52	1	
Cr	52	72	2	0.01	221.73	ppb	93.34	32.73	1	
Mn	55	72	2	-0.02	-535.32	ppb	60.00	66.67	1	
Fe	57	72	2	6.06	60.88	ppb	240.03	30.05	20	
Co	59	72	2	0.02	143.20	ppb	106.68	60.27	1	
Ni	60	72	2	-0.05	-365.39	ppb	133.34	85.29	1	
Cu	63	72	2	-0.04	-100.27	ppb	993.45	7.62	1	
Zn	66	72	2	-0.03	-637.47	ppb	173.35	13.32	5	
As	75	72	2	-0.15	0.00	ppb	0.00	#DIV/0!	5	
Se	78	72	1	0.10	64.74	ppb	42.67	48.11	5	
Nb	93	72	2	0.63	15.12	ppb	1940.25	11.34	5	
Mo	95	115	2	0.07	84.07	ppb	86.67	53.29	1	
Pd	105	115	2	0.01	371.01	ppb	33.34	91.66	1	
Ag	107	115	2	0.81	11.71	ppb	2760.47	10.94	1	
Cd	111	115	2	0.17	172.66	ppb	73.34	128.89	1	
Sn	120	115	2	0.15	69.46	ppb	326.69	21.50	5	
Sb	121	115	2	0.35	37.47	ppb	286.70	21.32	0.2	6-CCB Main Failed
Ba	137	115	2	-0.03	-219.08	ppb	13.33	86.60	1	
W	182	165	2	0.10	60.48	ppb	1160.16	24.87	1	
Pt	195	165	2	0.01	75.26	ppb	126.68	36.46	1	
Tl	205	165	2	0.05	14.90	ppb	440.05	12.02	1	
Pb	208	165	2	0.03	121.85	ppb	1093.45	28.94	1	
Th	232	165	2	0.14	23.17	ppb	1840.26	17.80	1	
U	238	165	2	0.05	31.62	ppb	786.76	26.95	1	

QC ISTD Table

Element	m/z	Tune Step	CPS	%RSD	Ref CPS	%Rec	QC Low	QC High	QC Flag
Li6	6	1	745486	0.23	875670	85.1	60	125	
Sc (IS)	45	2	508030	0.71	566157	89.7	60	125	
Ge (IS)	72	1	10991242	1.23	12633047	87.0	60	125	
Ge (IS)	72	2	728181	0.79	792866	91.8	60	125	
115In	115	2	2459817	1.13	2594197	94.8	60	125	
Ho-165	165	2	16802057	0.05	17194663	97.7	60	125	

TuneStep	TuneFile
1	h2_hmi.u
2	he_hmi.u

Sample Report

Sample Name	280-28240-H-2-A
Data File Name	049SMPL.D
DataPath	d:\DATA\050112a.B
Acq Date Time	2012-05-01T16:06:27-06:00
Type	Sample
VialNumber	4209
Dilution	1
Comment	117478 6020
Operator	LMT
ISTDRefDataFileName	003CALB.D
SamplePassFail	Fail
ISTD PassFail	Pass

QC Analyte Table

Element	m/z	ISTD	Tune Step	Meas Value	FinalConc	%RSD	Units	CPS	CPS%RSD	High Value	QC Flag
Be	9	6	1	0.00	0.00	-1234.23	ppb	3.33	173.21	3600	
Na	23	45	2	108245.07	108245.07	1.23	ppb	12709286.06	1.10	1800000	
Mg	24	45	2	79692.89	79692.89	1.05	ppb	3819779.63	1.93	450000	
Al	27	45	2	267.94	267.94	11.64	ppb	2447.07	12.05	450000	
K	39	45	2	4451.32	4451.32	2.72	ppb	92307.22	3.50	180000	
Ca	44	45	2	295883.80	295883.80	0.93	ppb	339845.50	1.82	450000	
V	51	72	2	0.86	0.86	46.37	ppb	481.53	48.22	3600	
Cr	52	72	2	0.43	0.43	16.89	ppb	460.04	15.06	3600	
Mn	55	72	2	13095.15	13095.15	1.09	ppb	3869479.52	0.66	3600	Sample Main Failed
Fe	57	72	2	3185.33	3185.33	3.29	ppb	56243.23	4.37	90000	
Co	59	72	2	3.16	3.16	4.98	ppb	5881.43	4.46	3600	
Ni	60	72	2	2.67	2.67	23.13	ppb	1613.55	20.08	3600	
Cu	63	72	2	0.58	0.58	4.58	ppb	1913.63	2.63	3600	
Zn	66	72	2	3.00	3.00	28.06	ppb	566.73	19.44	3600	
As	75	72	2	49.65	49.65	4.87	ppb	3690.53	5.94	3600	
Se	78	72	1	0.12	0.12	12.51	ppb	40.00	10.00	3600	
Nb	93	72	2	0.44	0.44	32.88	ppb	1340.29	25.10	7200	
Mo	95	115	2	9.16	9.16	8.02	ppb	6475.21	6.91	3600	
Pd	105	115	2	-0.01	-0.01	-111.92	ppb	13.33	86.60	3600	
Ag	107	115	2	0.11	0.11	40.01	ppb	400.04	37.75	900	
Cd	111	115	2	0.09	0.09	104.51	ppb	46.67	65.47	3600	
Sn	120	115	2	-0.03	-0.03	-299.28	ppb	186.69	32.73	3600	
Sb	121	115	2	0.00	0.00	-11354.63	ppb	113.35	79.58	3600	
Ba	137	115	2	105.80	105.80	3.25	ppb	17657.52	4.98	3600	
W	182	165	2	0.08	0.08	61.99	ppb	1020.13	21.21	3600	
Pt	195	165	2	0.00	0.00	-131.69	ppb	53.34	21.66	3600	
Tl	205	165	2	0.04	0.04	53.60	ppb	386.71	41.81	3600	
Pb	208	165	2	0.35	0.35	11.74	ppb	4067.29	8.55	3600	
Th	232	165	2	0.76	0.76	9.81	ppb	7582.49	9.90	3600	
U	238	165	2	2.63	2.63	1.09	ppb	30892.78	1.53	3600	

QC ISTD Table

Element	m/z	Tune Step	CPS	%RSD	Ref CPS	%Rec	Lower Limit	Upper Limit	QC Flag
Li6	6	1	666183	0.88	875670	76.1	60	125	
Sc (IS)	45	2	492456	1.06	566157	87.0	60	125	
Ge (IS)	72	1	8901329	0.94	12633047	70.5	60	125	
Ge (IS)	72	2	660754	1.18	792866	83.3	60	125	
115In	115	2	2326704	1.77	2594197	89.7	60	125	
Ho-165	165	2	16102156	1.23	17194663	93.6	60	125	

TuneStep	TuneFile	TuneDate
1	h2_hmi.u	5/1/2012 4:05:00 PM
2	he_hmi.u	5/1/2012 4:05:00 PM

Sample Report

Sample Name	280-28240-H-3-A
Data File Name	050SMPL.D
DataPath	d:\DATA\050112a.B
Acq Date Time	2012-05-01T16:09:26-06:00
Type	Sample
VialNumber	4210
Dilution	1
Comment	117478 6020
Operator	LMT
ISTDRefDataFileName	003CALB.D
SamplePassFail	Fail
ISTD PassFail	Pass

QC Analyte Table

Element	m/z	ISTD	Tune Step	Meas Value	FinalConc	%RSD	Units	CPS	CPS%RSD	High Value	QC Flag
Be	9	6	1	0.05	0.05	61.44	ppb	13.33	43.30	3600	
Na	23	45	2	31707.95	31707.95	0.85	ppb	3812088.90	0.92	1800000	
Mg	24	45	2	37906.34	37906.34	1.17	ppb	1858974.30	1.20	450000	
Al	27	45	2	990.79	990.79	8.04	ppb	9223.13	7.94	450000	
K	39	45	2	5879.87	5879.87	2.15	ppb	124454.69	2.17	180000	
Ca	44	45	2	139942.83	139942.83	0.58	ppb	164462.46	0.67	450000	
V	51	72	2	2.81	2.81	12.64	ppb	1747.05	13.00	3600	
Cr	52	72	2	1.21	1.21	7.40	ppb	1233.49	6.55	3600	
Mn	55	72	2	4306.27	4306.27	2.32	ppb	1354739.09	2.05	3600	Sample Main Failed
Fe	57	72	2	915.11	915.11	1.31	ppb	17283.03	1.76	90000	
Co	59	72	2	1.85	1.85	14.33	ppb	3694.06	14.49	3600	
Ni	60	72	2	3.99	3.99	3.04	ppb	2487.05	2.32	3600	
Cu	63	72	2	2.24	2.24	15.09	ppb	4907.77	11.88	3600	
Zn	66	72	2	13.48	13.48	10.90	ppb	2113.63	9.53	3600	
As	75	72	2	3.49	3.49	20.36	ppb	286.68	19.21	3600	
Se	78	72	1	0.06	0.06	130.69	ppb	26.67	85.29	3600	
Nb	93	72	2	0.23	0.23	22.85	ppb	940.13	13.95	7200	
Mo	95	115	2	7.37	7.37	2.54	ppb	5487.98	3.06	3600	
Pd	105	115	2	-0.01	-0.01	-63.37	ppb	6.67	173.21	3600	
Ag	107	115	2	0.11	0.11	37.90	ppb	393.37	33.86	900	
Cd	111	115	2	0.23	0.23	77.55	ppb	93.35	61.86	3600	
Sn	120	115	2	0.01	0.01	2579.01	ppb	226.69	76.08	3600	
Sb	121	115	2	0.09	0.09	223.39	ppb	160.02	57.28	3600	
Ba	137	115	2	332.27	332.27	2.19	ppb	58263.29	1.84	3600	
W	182	165	2	0.03	0.03	77.53	ppb	806.77	12.48	3600	
Pt	195	165	2	-0.01	-0.01	-36.95	ppb	33.33	34.64	3600	
Tl	205	165	2	0.03	0.03	9.52	ppb	333.37	6.93	3600	
Pb	208	165	2	0.63	0.63	6.81	ppb	6901.29	5.79	3600	
Th	232	165	2	0.47	0.47	8.67	ppb	5014.66	8.08	3600	
U	238	165	2	1.39	1.39	0.72	ppb	16877.24	0.48	3600	

QC ISTD Table

Element	m/z	Tune Step	CPS	%RSD	Ref CPS	%Rec	Lower Limit	Upper Limit	QC Flag
Li6	6	1	693887	0.31	875670	79.2	60	125	
Sc (IS)	45	2	503868	0.09	566157	89.0	60	125	
Ge (IS)	72	1	9866119	1.63	12633047	78.1	60	125	
Ge (IS)	72	2	703442	0.53	792866	88.7	60	125	
115In	115	2	2447315	0.53	2594197	94.3	60	125	
Ho-165	165	2	16584204	0.27	17194663	96.4	60	125	

TuneStep	TuneFile	TuneDate
1	h2_hmi.u	5/1/2012 4:08:00 PM
2	he_hmi.u	5/1/2012 4:08:00 PM

Sample Report

Sample Name	280-28240-H-4-A
Data File Name	051SMPL.D
DataPath	d:\DATA\050112a.B
Acq Date Time	2012-05-01T16:12:23-06:00
Type	Sample
VialNumber	4211
Dilution	1
Comment	117478 6020
Operator	LMT
ISTDRefDataFileName	003CALB.D
SamplePassFail	Fail
ISTD PassFail	Pass

QC Analyte Table

Element	m/z	ISTD	Tune Step	Meas Value	FinalConc	%RSD	Units	CPS	CPS%RSD	High Value	QC Flag
Be	9	6	1	-0.01	-0.01	-125.09	ppb	1.67	173.21	3600	
Na	23	45	2	130817.29	130817.29	2.86	ppb	15775013.10	1.64	1800000	
Mg	24	45	2	130092.62	130092.62	3.19	ppb	6403638.24	1.99	450000	
Al	27	45	2	243.77	243.77	5.94	ppb	2287.06	5.62	450000	
K	39	45	2	9404.05	9404.05	3.08	ppb	199264.35	1.87	180000	
Ca	44	45	2	406856.80	406856.80	4.51	ppb	479857.56	3.28	450000	
V	51	72	2	2.07	2.07	33.74	ppb	1203.48	32.66	3600	
Cr	52	72	2	0.46	0.46	32.21	ppb	486.72	26.42	3600	
Mn	55	72	2	6335.08	6335.08	4.67	ppb	1883791.90	2.90	3600	Sample Main Failed
Fe	57	72	2	247.42	247.42	5.27	ppb	4501.00	5.81	90000	
Co	59	72	2	4.92	4.92	2.34	ppb	9189.82	0.55	3600	
Ni	60	72	2	7.02	7.02	3.50	ppb	4027.47	4.98	3600	
Cu	63	72	2	0.69	0.69	20.16	ppb	2106.96	10.42	3600	
Zn	66	72	2	4.78	4.78	6.50	ppb	813.44	3.76	3600	
As	75	72	2	0.70	0.70	73.45	ppb	63.33	59.78	3600	
Se	78	72	1	0.10	0.10	58.44	ppb	34.67	43.68	3600	
Nb	93	72	2	0.05	0.05	82.23	ppb	480.06	18.16	7200	
Mo	95	115	2	4.27	4.27	13.89	ppb	3027.20	14.69	3600	
Pd	105	115	2	0.00	0.00	-1044.32	ppb	20.00	173.21	3600	
Ag	107	115	2	0.08	0.08	38.10	ppb	286.69	34.42	900	
Cd	111	115	2	0.16	0.16	144.07	ppb	66.67	105.36	3600	
Sn	120	115	2	-0.05	-0.05	-282.61	ppb	173.35	53.29	3600	
Sb	121	115	2	-0.13	-0.13	-51.66	ppb	53.34	57.29	3600	
Ba	137	115	2	59.58	59.58	7.37	ppb	9903.80	6.00	3600	
W	182	165	2	-0.01	-0.01	-543.22	ppb	613.41	32.99	3600	
Pt	195	165	2	-0.01	-0.01	-174.14	ppb	40.00	100.00	3600	
Tl	205	165	2	0.02	0.02	36.84	ppb	253.36	22.79	3600	
Pb	208	165	2	0.35	0.35	11.29	ppb	4133.95	6.95	3600	
Th	232	165	2	0.21	0.21	13.32	ppb	2367.47	10.59	3600	
U	238	165	2	4.91	4.91	3.50	ppb	57347.95	1.56	3600	

QC ISTD Table

Element	m/z	Tune Step	CPS	%RSD	Ref CPS	%Rec	Lower Limit	Upper Limit	QC Flag
Li6	6	1	681959	0.99	875670	77.9	60	125	
Sc (IS)	45	2	505899	1.32	566157	89.4	60	125	
Ge (IS)	72	1	9082128	0.28	12633047	71.9	60	125	
Ge (IS)	72	2	665239	1.80	792866	83.9	60	125	
115In	115	2	2317742	1.31	2594197	89.3	60	125	
Ho-165	165	2	16066081	2.08	17194663	93.4	60	125	

TuneStep	TuneFile	TuneDate
1	h2_hmi.u	5/1/2012 4:11:00 PM
2	he_hmi.u	5/1/2012 4:11:00 PM

Sample Report

Sample Name	280-28240-H-5-A
Data File Name	052SMPL.D
DataPath	d:\DATA\050112a.B
Acq Date Time	2012-05-01T16:15:21-06:00
Type	Sample
VialNumber	4212
Dilution	1
Comment	117478 6020
Operator	LMT
ISTDRefDataFileName	003CALB.D
SamplePassFail	Fail
ISTD PassFail	Pass

QC Analyte Table

Element	m/z	ISTD	Tune Step	Meas Value	FinalConc	%RSD	Units	CPS	CPS%RSD	High Value	QC Flag
Be	9	6	1	0.01	0.01	452.10	ppb	5.00	100.00	3600	
Na	23	45	2	36436.38	36436.38	1.54	ppb	4297311.50	0.64	1800000	
Mg	24	45	2	41395.46	41395.46	0.49	ppb	1991901.33	0.67	450000	
Al	27	45	2	5.32	5.32	42.00	ppb	60.00	33.34	450000	
K	39	45	2	3394.77	3394.77	3.94	ppb	70892.56	4.91	180000	
Ca	44	45	2	137011.18	137011.18	3.25	ppb	157963.08	2.41	450000	
V	51	72	2	0.30	0.30	32.31	ppb	152.72	38.27	3600	
Cr	52	72	2	0.19	0.19	29.43	ppb	253.36	19.87	3600	
Mn	55	72	2	5377.09	5377.09	1.98	ppb	1643032.27	1.20	3600	Sample Main Failed
Fe	57	72	2	1339.86	1339.86	3.64	ppb	24524.88	3.63	90000	
Co	59	72	2	2.78	2.78	3.68	ppb	5347.89	3.82	3600	
Ni	60	72	2	3.58	3.58	1.87	ppb	2187.00	2.11	3600	
Cu	63	72	2	0.12	0.12	143.47	ppb	1193.49	23.12	3600	
Zn	66	72	2	2.29	2.29	23.38	ppb	486.72	14.43	3600	
As	75	72	2	13.37	13.37	20.84	ppb	1036.75	21.40	3600	
Se	78	72	1	0.06	0.06	117.54	ppb	28.00	79.54	3600	
Nb	93	72	2	0.00	0.00	-533.10	ppb	366.70	8.33	7200	
Mo	95	115	2	3.75	3.75	7.89	ppb	2747.13	6.77	3600	
Pd	105	115	2	-0.02	-0.02	0.00	ppb	0.00	#DIV/0!	3600	
Ag	107	115	2	0.06	0.06	38.52	ppb	233.36	32.45	900	
Cd	111	115	2	0.09	0.09	39.05	ppb	46.67	24.75	3600	
Sn	120	115	2	-0.08	-0.08	-128.93	ppb	160.02	43.30	3600	
Sb	121	115	2	-0.06	-0.06	-74.62	ppb	86.68	26.64	3600	
Ba	137	115	2	345.62	345.62	0.71	ppb	59400.20	1.54	3600	
W	182	165	2	-0.01	-0.01	-198.23	ppb	626.73	12.90	3600	
Pt	195	165	2	-0.01	-0.01	-81.29	ppb	26.67	114.56	3600	
Tl	205	165	2	0.01	0.01	44.90	ppb	193.36	26.03	3600	
Pb	208	165	2	0.06	0.06	56.00	ppb	1353.50	22.72	3600	
Th	232	165	2	0.06	0.06	20.54	ppb	1033.47	12.89	3600	
U	238	165	2	0.51	0.51	9.95	ppb	6221.95	9.36	3600	

QC ISTD Table

Element	m/z	Tune Step	CPS	%RSD	Ref CPS	%Rec	Lower Limit	Upper Limit	QC Flag
Li6	6	1	674282	0.48	875670	77.0	60	125	
Sc (IS)	45	2	494413	1.16	566157	87.3	60	125	
Ge (IS)	72	1	9710301	0.99	12633047	76.9	60	125	
Ge (IS)	72	2	683292	1.03	792866	86.2	60	125	
115In	115	2	2398480	1.07	2594197	92.5	60	125	
Ho-165	165	2	16449893	0.64	17194663	95.7	60	125	

TuneStep	TuneFile	TuneDate
1	h2_hmi.u	5/1/2012 4:14:00 PM
2	he_hmi.u	5/1/2012 4:14:00 PM

Sample Report

Sample Name	280-28240-H-6-A
Data File Name	053SMPL.D
DataPath	d:\DATA\050112a.B
Acq Date Time	2012-05-01T16:18:19-06:00
Type	Sample
VialNumber	4301
Dilution	1
Comment	117478 6020
Operator	LMT
ISTDRefDataFileName	003CALB.D
SamplePassFail	Fail
ISTD PassFail	Pass

QC Analyte Table

Element	m/z	ISTD	Tune Step	Meas Value	FinalConc	%RSD	Units	CPS	CPS%RSD	High Value	QC Flag
Be	9	6	1	-0.02	-0.02	0.00	ppb	0.00	#DIV/0!	3600	
Na	23	45	2	91658.30	91658.30	14.00	ppb	10963611.92	4.63	1800000	
Mg	24	45	2	56007.74	56007.74	16.86	ppb	2729187.36	7.68	450000	
Al	27	45	2	218.66	218.66	32.37	ppb	2013.66	23.95	450000	
K	39	45	2	8790.13	8790.13	14.01	ppb	184805.07	4.59	180000	
Ca	44	45	2	261456.73	261456.73	15.12	ppb	305676.62	5.84	450000	
V	51	72	2	1.33	1.33	12.89	ppb	790.33	6.79	3600	
Cr	52	72	2	0.39	0.39	51.67	ppb	440.04	40.40	3600	
Mn	55	72	2	13722.09	13722.09	15.83	ppb	4192238.48	8.14	3600	Sample Main Failed
Fe	57	72	2	327.32	327.32	18.53	ppb	6068.28	10.71	90000	
Co	59	72	2	10.85	10.85	14.43	ppb	20740.13	6.67	3600	
Ni	60	72	2	20.68	20.68	10.33	ppb	11918.16	4.56	3600	
Cu	63	72	2	0.99	0.99	23.52	ppb	2667.12	7.29	3600	
Zn	66	72	2	10.92	10.92	27.91	ppb	1706.90	24.62	3600	
As	75	72	2	11.05	11.05	18.24	ppb	856.72	10.53	3600	
Se	78	72	1	0.19	0.19	14.99	ppb	57.33	10.66	3600	
Nb	93	72	2	-0.02	-0.02	-116.80	ppb	326.70	17.67	7200	
Mo	95	115	2	6.18	6.18	19.91	ppb	4521.02	12.32	3600	
Pd	105	115	2	0.01	0.01	136.89	ppb	40.00	50.01	3600	
Ag	107	115	2	0.01	0.01	92.71	ppb	80.01	43.30	900	
Cd	111	115	2	0.25	0.25	59.66	ppb	100.01	52.92	3600	
Sn	120	115	2	-0.03	-0.03	-161.30	ppb	200.02	26.46	3600	
Sb	121	115	2	0.04	0.04	200.40	ppb	133.35	17.32	3600	
Ba	137	115	2	578.88	578.88	17.05	ppb	99674.99	7.46	3600	
W	182	165	2	0.05	0.05	39.09	ppb	900.12	18.99	3600	
Pt	195	165	2	0.00	0.00	456.42	ppb	73.34	56.77	3600	
Tl	205	165	2	0.06	0.06	54.08	ppb	546.73	38.08	3600	
Pb	208	165	2	0.55	0.55	16.43	ppb	6154.37	5.48	3600	
Th	232	165	2	0.09	0.09	20.44	ppb	1293.51	10.30	3600	
U	238	165	2	3.34	3.34	17.33	ppb	40013.64	8.18	3600	

QC ISTD Table

Element	m/z	Tune Step	CPS	%RSD	Ref CPS	%Rec	Lower Limit	Upper Limit	QC Flag
Li6	6	1	623682	3.00	875670	71.2	60	125	
Sc (IS)	45	2	506403	10.09	566157	89.4	60	125	
Ge (IS)	72	1	8598248	2.62	12633047	68.1	60	125	
Ge (IS)	72	2	689160	8.38	792866	86.9	60	125	
115In	115	2	2432509	10.57	2594197	93.8	60	125	
Ho-165	165	2	16617440	9.97	17194663	96.6	60	125	

TuneStep	TuneFile	TuneDate
1	h2_hmi.u	5/1/2012 4:17:00 PM
2	he_hmi.u	5/1/2012 4:17:00 PM

Sample Report

Sample Name	280-28240-H-7-A
Data File Name	054SMPL.D
DataPath	d:\DATA\050112a.B
Acq Date Time	2012-05-01T16:21:18-06:00
Type	Sample
VialNumber	4302
Dilution	1
Comment	117478 6020
Operator	LMT
ISTDRefDataFileName	003CALB.D
SamplePassFail	Fail
ISTD PassFail	Pass

QC Analyte Table

Element	m/z	ISTD	Tune Step	Meas Value	FinalConc	%RSD	Units	CPS	CPS%RSD	High Value	QC Flag
Be	9	6	1	0.00	0.00	-1066.81	ppb	3.33	173.21	3600	
Na	23	45	2	47097.07	47097.07	1.90	ppb	5676455.33	1.67	1800000	
Mg	24	45	2	37250.63	37250.63	1.48	ppb	1832019.98	1.23	450000	
Al	27	45	2	372.83	372.83	11.06	ppb	3487.60	10.81	450000	
K	39	45	2	8161.53	8161.53	1.43	ppb	172897.45	1.42	180000	
Ca	44	45	2	157987.82	157987.82	3.79	ppb	186187.99	3.55	450000	
V	51	72	2	1.96	1.96	1.94	ppb	1214.11	2.88	3600	
Cr	52	72	2	0.48	0.48	31.87	ppb	533.38	28.15	3600	
Mn	55	72	2	3764.71	3764.71	1.12	ppb	1187768.06	0.16	3600	Sample Main Failed
Fe	57	72	2	325.57	325.57	3.39	ppb	6241.88	2.88	90000	
Co	59	72	2	1.88	1.88	14.97	ppb	3754.01	15.00	3600	
Ni	60	72	2	2.37	2.37	26.49	ppb	1546.87	23.00	3600	
Cu	63	72	2	0.72	0.72	18.62	ppb	2287.00	10.51	3600	
Zn	66	72	2	2.97	2.97	54.43	ppb	600.07	37.86	3600	
As	75	72	2	27.20	27.20	2.85	ppb	2163.55	3.53	3600	
Se	78	72	1	0.12	0.12	100.64	ppb	44.00	79.25	3600	
Nb	93	72	2	-0.04	-0.04	-159.60	ppb	280.03	58.47	7200	
Mo	95	115	2	5.95	5.95	6.08	ppb	4467.62	5.25	3600	
Pd	105	115	2	0.00	0.00	1997.82	ppb	26.67	114.57	3600	
Ag	107	115	2	0.03	0.03	106.79	ppb	146.68	79.90	900	
Cd	111	115	2	0.13	0.13	98.08	ppb	60.01	66.67	3600	
Sn	120	115	2	-0.08	-0.08	-153.81	ppb	160.01	57.28	3600	
Sb	121	115	2	-0.15	-0.15	-41.65	ppb	46.67	65.47	3600	
Ba	137	115	2	294.19	294.19	2.37	ppb	51942.35	2.63	3600	
W	182	165	2	0.02	0.02	83.42	ppb	773.43	9.79	3600	
Pt	195	165	2	0.00	0.00	493.62	ppb	80.01	90.14	3600	
Tl	205	165	2	0.01	0.01	145.87	ppb	133.35	52.68	3600	
Pb	208	165	2	0.12	0.12	30.39	ppb	2033.59	17.85	3600	
Th	232	165	2	0.12	0.12	5.21	ppb	1600.28	3.75	3600	
U	238	165	2	1.47	1.47	0.74	ppb	18085.30	0.61	3600	

QC ISTD Table

Element	m/z	Tune Step	CPS	%RSD	Ref CPS	%Rec	Lower Limit	Upper Limit	QC Flag
Li6	6	1	666284	0.80	875670	76.1	60	125	
Sc (IS)	45	2	505315	0.25	566157	89.3	60	125	
Ge (IS)	72	1	9616890	0.62	12633047	76.1	60	125	
Ge (IS)	72	2	705474	0.99	792866	89.0	60	125	
115In	115	2	2463957	0.94	2594197	95.0	60	125	
Ho-165	165	2	16788478	0.24	17194663	97.6	60	125	

TuneStep	TuneFile	TuneDate
1	h2_hmi.u	5/1/2012 4:19:00 PM
2	he_hmi.u	5/1/2012 4:20:00 PM

Sample Report

Sample Name	280-28240-H-8-A
Data File Name	055SMPL.D
DataPath	d:\DATA\050112a.B
Acq Date Time	2012-05-01T16:24:17-06:00
Type	Sample
VialNumber	4303
Dilution	1
Comment	117478 6020
Operator	LMT
ISTDRefDataFileName	003CALB.D
SamplePassFail	Pass
ISTD PassFail	Pass

QC Analyte Table

Element	m/z	ISTD	Tune Step	Meas Value	FinalConc	%RSD	Units	CPS	CPS %RSD	High Value	QC Flag
Be	9	6	1	-0.01	-0.01	-140.22	ppb	1.67	173.21	3600	
Na	23	45	2	37554.43	37554.43	2.49	ppb	4439609.93	1.49	1800000	
Mg	24	45	2	46629.83	46629.83	1.32	ppb	2249234.13	1.28	450000	
Al	27	45	2	7.51	7.51	51.53	ppb	80.01	43.30	450000	
K	39	45	2	8907.34	8907.34	2.60	ppb	184958.41	1.22	180000	
Ca	44	45	2	210456.83	210456.83	1.88	ppb	243240.62	0.73	450000	
V	51	72	2	0.18	0.18	147.32	ppb	80.43	204.01	3600	
Cr	52	72	2	0.10	0.10	103.60	ppb	166.68	56.71	3600	
Mn	55	72	2	1630.24	1630.24	1.62	ppb	500563.02	0.67	3600	
Fe	57	72	2	7360.65	7360.65	1.94	ppb	134844.59	1.25	90000	
Co	59	72	2	0.18	0.18	11.31	ppb	393.37	10.59	3600	
Ni	60	72	2	-0.01	-0.01	-3601.26	ppb	153.34	82.84	3600	
Cu	63	72	2	0.08	0.08	49.30	ppb	1146.82	5.61	3600	
Zn	66	72	2	2.93	2.93	23.12	ppb	580.07	17.24	3600	
As	75	72	2	7.43	7.43	14.00	ppb	583.37	12.87	3600	
Se	78	72	1	0.04	0.04	34.72	ppb	20.00	20.00	3600	
Nb	93	72	2	-0.08	-0.08	-47.18	ppb	180.02	50.92	7200	
Mo	95	115	2	0.89	0.89	12.91	ppb	680.07	11.76	3600	
Pd	105	115	2	-0.02	-0.02	0.00	ppb	0.00	#DIV/0!	3600	
Ag	107	115	2	0.03	0.03	84.53	ppb	126.68	59.78	900	
Cd	111	115	2	0.03	0.03	275.41	ppb	26.67	86.60	3600	
Sn	120	115	2	-0.09	-0.09	-180.89	ppb	153.35	71.84	3600	
Sb	121	115	2	-0.14	-0.14	-47.47	ppb	53.34	57.29	3600	
Ba	137	115	2	782.49	782.49	0.87	ppb	134832.10	1.16	3600	
W	182	165	2	0.13	0.13	36.10	ppb	1260.18	17.68	3600	
Pt	195	165	2	0.00	0.00	-137.95	ppb	46.67	49.49	3600	
Tl	205	165	2	0.00	0.00	99.93	ppb	106.67	21.65	3600	
Pb	208	165	2	0.03	0.03	55.10	ppb	1106.79	14.04	3600	
Th	232	165	2	0.02	0.02	31.08	ppb	620.08	11.17	3600	
U	238	165	2	0.43	0.43	14.39	ppb	5228.09	13.39	3600	

QC ISTD Table

Element	m/z	Tune Step	CPS	%RSD	Ref CPS	%Rec	Lower Limit	Upper Limit	QC Flag
Li6	6	1	649535	0.53	875670	74.2	60	125	
Sc (IS)	45	2	495634	1.38	566157	87.5	60	125	
Ge (IS)	72	1	9324151	1.32	12633047	73.8	60	125	
Ge (IS)	72	2	686548	0.97	792866	86.6	60	125	
115In	115	2	2405229	0.99	2594197	92.7	60	125	
Ho-165	165	2	16375316	0.75	17194663	95.2	60	125	

TuneStep	TuneFile	TuneDate
1	h2_hmi.u	5/1/2012 4:22:00 PM
2	he_hmi.u	5/1/2012 4:23:00 PM

Continuing Calibration Verification (CCV) - US EPA Method 6020

Sample Name	ccv-1392320
Data File Name	0566CCV.D
DataPath	d:\DATA\050112a.B
Acq Date Time	2012-05-01T16:27:16-06:00
Type	6-CCV
VialNumber	1107
Dilution	1
Comment	
Operator	LMT
ISTDRefDataFileName	003CALB.D
SamplePassFail	Pass
ISTD PassFail	Pass

QC Analyte Table

Element	m/z	ISTD	Tune Step	Meas Value	%RSD	Units	CPS	CPS%RSD	Exp Value	%Rec	QC Low	QC High	QC Flag
Be	9	6	1	47.19	7.71	ppb	9565.87	4.61	50	94.4	90	110	
Na	23	45	2	4690.61	2.94	ppb	554696.55	0.98	5000	93.8	90	110	
Mg	24	45	2	4767.53	3.04	ppb	228749.02	1.07	5000	95.4	90	110	
Al	27	45	2	4844.01	4.07	ppb	44048.31	2.18	5000	96.9	90	110	
K	39	45	2	4860.03	3.38	ppb	100743.44	1.39	5000	97.2	90	110	
Ca	44	45	2	5074.14	3.65	ppb	5848.09	2.06	5000	101.5	90	110	
V	51	72	2	49.37	11.11	ppb	31682.03	11.17	50	98.7	90	110	
Cr	52	72	2	45.50	4.22	ppb	44242.94	3.56	50	91.0	90	110	
Mn	55	72	2	52.56	7.90	ppb	16862.37	6.79	50	105.1	90	110	
Fe	57	72	2	4694.54	2.47	ppb	89597.68	1.90	5000	93.9	90	110	
Co	59	72	2	48.18	1.19	ppb	96142.90	1.51	50	96.4	90	110	
Ni	60	72	2	46.58	6.40	ppb	27783.77	5.68	50	93.2	90	110	
Cu	63	72	2	51.54	5.42	ppb	91736.05	4.52	50	103.1	90	110	
Zn	66	72	2	51.87	7.55	ppb	7768.97	6.20	50	103.7	90	110	
As	75	72	2	50.03	6.14	ppb	4020.63	5.30	50	100.1	90	110	
Se	78	72	1	47.73	3.46	ppb	15312.02	1.01	50	95.5	90	110	
Nb	93	72	2	99.34	1.29	ppb	240687.87	0.30	100	99.3	90	110	
Mo	95	115	2	46.96	4.55	ppb	35143.77	3.43	50	93.9	90	110	
Pd	105	115	2	48.39	0.71	ppb	71402.64	1.49	50	96.8	90	110	
Ag	107	115	2	47.54	4.95	ppb	160459.20	3.02	50	95.1	90	110	
Cd	111	115	2	48.11	6.72	ppb	15775.10	4.80	50	96.2	90	110	
Sn	120	115	2	50.46	3.82	ppb	37189.61	2.05	50	100.9	90	110	
Sb	121	115	2	48.12	1.86	ppb	23270.77	1.09	50	96.2	90	110	
Ba	137	115	2	53.72	8.08	ppb	9523.40	6.22	50	107.4	90	110	
W	182	165	2	50.14	2.32	ppb	239379.27	2.06	50	100.3	90	110	
Pt	195	165	2	48.46	3.16	ppb	209378.01	1.95	50	96.9	90	110	
Tl	205	165	2	51.12	1.77	ppb	398196.39	1.27	50	102.2	90	110	
Pb	208	165	2	51.58	2.40	ppb	509778.74	1.23	50	103.2	90	110	
Th	232	165	2	51.76	1.77	ppb	511114.24	0.74	50	103.5	90	110	
U	238	165	2	52.21	2.93	ppb	638099.38	1.73	50	104.4	90	110	

QC ISTD Table

Element	m/z	Tune Step	CPS	%RSD	Ref CPS	%Rec	QC Low	QC High	QC Flag
Li6	6	1	705396	3.11	875670	80.6	60	125	
Sc (IS)	45	2	492935	1.94	566157	87.1	60	125	
Ge (IS)	72	1	10808941	3.17	12633047	85.6	60	125	
Ge (IS)	72	2	714920	1.18	792866	90.2	60	125	
115In	115	2	2472527	1.94	2594197	95.3	60	125	
Ho-165	165	2	16831682	1.23	17194663	97.9	60	125	

TuneStep	TuneFile
1	h2_hmi.u
2	he_hmi.u

Continuing Calibration Blank (CCB) - US EPA Method 6020

Sample Name	ccb-1392356
Data File Name	0576CCB.D
DataPath	d:\DATA\050112a.B
Acq Date Time	2012-05-01T16:30:14-06:00
Type	6-CCB
VialNumber	1307
Dilution	1
Comment	
Operator	LMT
ISTDRefDataFileName	003CALB.D
SamplePassFail	Fail
ISTD PassFail	Pass

QC Analyte Table

Element	m/z	ISTD	Tune Step	Meas Value	%RSD	Units	CPS	CPS %RSD	QC High	QC Flag
Be	9	6	1	-0.01	-137.00	ppb	1.67	173.21	1	
Na	23	45	2	8.00	64.78	ppb	4560.97	12.55	20	
Mg	24	45	2	6.66	31.94	ppb	426.70	22.15	20	
Al	27	45	2	4.04	141.02	ppb	46.67	107.86	20	
K	39	45	2	0.80	652.28	ppb	860.11	12.95	20	
Ca	44	45	2	56.60	30.29	ppb	80.01	25.00	20	6-CCB Main Failed
V	51	72	2	0.01	546.13	ppb	-22.21	-204.39	1	
Cr	52	72	2	-0.02	-239.92	ppb	60.01	66.67	1	
Mn	55	72	2	0.43	13.51	ppb	200.02	10.00	1	
Fe	57	72	2	1.21	470.62	ppb	140.01	75.59	20	
Co	59	72	2	-0.01	-179.34	ppb	40.00	86.60	1	
Ni	60	72	2	-0.10	-117.87	ppb	100.01	72.11	1	
Cu	63	72	2	0.02	176.83	ppb	1066.81	7.10	1	
Zn	66	72	2	-0.03	-1656.75	ppb	166.68	45.43	5	
As	75	72	2	-0.11	-68.65	ppb	3.33	173.21	5	
Se	78	72	1	0.05	29.48	ppb	25.33	18.23	5	
Nb	93	72	2	0.74	18.13	ppb	2133.65	15.95	5	
Mo	95	115	2	0.03	227.66	ppb	53.34	94.38	1	
Pd	105	115	2	0.04	131.28	ppb	80.01	90.14	1	
Ag	107	115	2	0.01	123.02	ppb	80.01	66.15	1	
Cd	111	115	2	0.03	141.30	ppb	26.67	43.30	1	
Sn	120	115	2	-0.02	-188.54	ppb	200.02	17.32	5	
Sb	121	115	2	0.09	95.21	ppb	160.01	25.00	0.2	
Ba	137	115	2	-0.11	0.00	ppb	0.00	#DIV/0!	1	
W	182	165	2	0.10	29.30	ppb	1140.15	12.28	1	
Pt	195	165	2	0.01	292.44	ppb	86.67	74.18	1	
Tl	205	165	2	0.02	30.35	ppb	253.37	19.87	1	
Pb	208	165	2	0.03	31.69	ppb	1133.47	9.06	1	
Th	232	165	2	0.07	10.65	ppb	1120.15	6.44	1	
U	238	165	2	0.02	17.35	ppb	346.70	12.01	1	

QC ISTD Table

Element	m/z	Tune Step	CPS	%RSD	Ref CPS	%Rec	QC Low	QC High	QC Flag
Li6	6	1	652610	0.37	875670	74.5	60	125	
Sc (IS)	45	2	477376	1.20	566157	84.3	60	125	
Ge (IS)	72	1	10185723	1.51	12633047	80.6	60	125	
Ge (IS)	72	2	702309	1.04	792866	88.6	60	125	
115In	115	2	2425382	0.74	2594197	93.5	60	125	
Ho-165	165	2	16629744	0.55	17194663	96.7	60	125	

TuneStep	TuneFile
1	h2_hmi.u
2	he_hmi.u

Sample Report

Sample Name	280-28240-H-9-A
Data File Name	058SMPL.D
DataPath	d:\DATA\050112a.B
Acq Date Time	2012-05-01T16:33:13-06:00
Type	Sample
VialNumber	4304
Dilution	1
Comment	117478 6020
Operator	LMT
ISTDRefDataFileName	003CALB.D
SamplePassFail	Fail
ISTD PassFail	Pass

QC Analyte Table

Element	m/z	ISTD	Tune Step	Meas Value	FinalConc	%RSD	Units	CPS	CPS%RSD	High Value	QC Flag
Be	9	6	1	0.09	0.09	159.19	ppb	18.33	128.89	3600	
Na	23	45	2	63861.56	63861.56	0.73	ppb	7242242.60	0.67	1800000	
Mg	24	45	2	70362.35	70362.35	0.92	ppb	3256505.58	0.98	450000	
Al	27	45	2	586.87	586.87	3.90	ppb	5161.12	4.19	450000	
K	39	45	2	8133.01	8133.01	1.18	ppb	162135.97	0.58	180000	
Ca	44	45	2	255501.07	255501.07	0.78	ppb	283362.43	0.39	450000	
V	51	72	2	2.15	2.15	12.20	ppb	1234.12	11.39	3600	
Cr	52	72	2	1.11	1.11	24.22	ppb	1060.14	23.18	3600	
Mn	55	72	2	4683.85	4683.85	1.13	ppb	1369743.15	0.47	3600	Sample Main Failed
Fe	57	72	2	1529.48	1529.48	2.70	ppb	26775.22	2.37	90000	
Co	59	72	2	3.29	3.29	1.65	ppb	6054.90	2.20	3600	
Ni	60	72	2	2.92	2.92	10.65	ppb	1733.56	8.51	3600	
Cu	63	72	2	0.77	0.77	28.76	ppb	2193.66	16.06	3600	
Zn	66	72	2	5.03	5.03	8.72	ppb	833.44	7.33	3600	
As	75	72	2	6.86	6.86	18.00	ppb	513.36	16.34	3600	
Se	78	72	1	0.28	0.28	20.72	ppb	78.67	20.55	3600	
Nb	93	72	2	0.49	0.49	3.10	ppb	1433.53	2.90	7200	
Mo	95	115	2	3.90	3.90	12.30	ppb	2760.49	11.93	3600	
Pd	105	115	2	0.03	0.03	96.57	ppb	66.67	62.45	3600	
Ag	107	115	2	0.02	0.02	110.87	ppb	93.34	68.88	900	
Cd	111	115	2	0.05	0.05	266.06	ppb	33.34	124.90	3600	
Sn	120	115	2	0.08	0.08	35.23	ppb	260.02	7.69	3600	
Sb	121	115	2	-0.03	-0.03	-308.54	ppb	100.01	40.00	3600	
Ba	137	115	2	273.06	273.06	3.34	ppb	45310.60	2.69	3600	
W	182	165	2	0.23	0.23	14.16	ppb	1686.91	9.66	3600	
Pt	195	165	2	0.00	0.00	198.23	ppb	80.01	43.30	3600	
Tl	205	165	2	0.03	0.03	26.22	ppb	320.04	18.75	3600	
Pb	208	165	2	0.48	0.48	11.67	ppb	5294.24	9.45	3600	
Th	232	165	2	0.53	0.53	4.99	ppb	5348.01	4.98	3600	
U	238	165	2	4.54	4.54	1.86	ppb	52872.06	1.04	3600	

QC ISTD Table

Element	m/z	Tune Step	CPS	%RSD	Ref CPS	%Rec	Lower Limit	Upper Limit	QC Flag
Li6	6	1	596676	1.06	875670	68.1	60	125	
Sc (IS)	45	2	475553	1.17	566157	84.0	60	125	
Ge (IS)	72	1	8408918	1.90	12633047	66.6	60	125	
Ge (IS)	72	2	653922	1.19	792866	82.5	60	125	
115In	115	2	2315941	0.66	2594197	89.3	60	125	
Ho-165	165	2	16003604	1.03	17194663	93.1	60	125	

TuneStep	TuneFile	TuneDate
1	h2_hmi.u	5/1/2012 4:31:00 PM
2	he_hmi.u	5/1/2012 4:31:00 PM

Sample Report

Sample Name	280-28240-H-10-A
Data File Name	059SMPL.D
DataPath	d:\DATA\050112a.B
Acq Date Time	2012-05-01T16:36:11-06:00
Type	Sample
VialNumber	4305
Dilution	1
Comment	117478 6020
Operator	LMT
ISTDRefDataFileName	003CALB.D
SamplePassFail	Fail
ISTD PassFail	Pass

QC Analyte Table

Element	m/z	ISTD	Tune Step	Meas Value	FinalConc	%RSD	Units	CPS	CPS%RSD	High Value	QC Flag
Be	9	6	1	0.03	0.03	218.66	ppb	8.33	124.90	3600	
Na	23	45	2	47712.17	47712.17	1.94	ppb	5382926.17	0.47	1800000	
Mg	24	45	2	39214.20	39214.20	2.06	ppb	1805293.41	0.89	450000	
Al	27	45	2	1520.26	1520.26	4.34	ppb	13285.95	5.43	450000	
K	39	45	2	4264.00	4264.00	4.26	ppb	84931.41	2.63	180000	
Ca	44	45	2	123103.85	123103.85	0.92	ppb	135841.08	1.96	450000	
V	51	72	2	5.17	5.17	1.74	ppb	3043.44	2.48	3600	
Cr	52	72	2	2.10	2.10	5.10	ppb	1960.26	5.68	3600	
Mn	55	72	2	3861.63	3861.63	2.01	ppb	1142094.59	0.84	3600	Sample Main Failed
Fe	57	72	2	1855.43	1855.43	2.99	ppb	32825.35	2.20	90000	
Co	59	72	2	7.04	7.04	5.85	ppb	13032.42	4.71	3600	
Ni	60	72	2	8.89	8.89	7.05	ppb	5027.77	7.36	3600	
Cu	63	72	2	2.15	2.15	10.50	ppb	4474.36	9.43	3600	
Zn	66	72	2	9.58	9.58	1.34	ppb	1460.20	2.37	3600	
As	75	72	2	1.65	1.65	16.95	ppb	133.34	15.61	3600	
Se	78	72	1	0.35	0.35	36.45	ppb	105.33	32.74	3600	
Nb	93	72	2	0.15	0.15	25.23	ppb	706.74	11.78	7200	
Mo	95	115	2	2.05	2.05	18.86	ppb	1466.87	18.52	3600	
Pd	105	115	2	-0.01	-0.01	-233.04	ppb	13.33	173.21	3600	
Ag	107	115	2	0.01	0.01	74.01	ppb	66.67	34.65	900	
Cd	111	115	2	0.31	0.31	12.37	ppb	113.35	10.19	3600	
Sn	120	115	2	0.18	0.18	72.02	ppb	333.37	28.36	3600	
Sb	121	115	2	0.07	0.07	184.25	ppb	146.68	43.83	3600	
Ba	137	115	2	130.20	130.20	5.18	ppb	21595.31	5.23	3600	
W	182	165	2	0.04	0.04	224.42	ppb	826.77	46.18	3600	
Pt	195	165	2	0.01	0.01	151.69	ppb	93.35	49.49	3600	
Tl	205	165	2	0.04	0.04	17.95	ppb	413.39	14.78	3600	
Pb	208	165	2	1.31	1.31	4.03	ppb	13243.45	3.41	3600	
Th	232	165	2	0.82	0.82	6.69	ppb	8196.29	6.65	3600	
U	238	165	2	0.80	0.80	3.57	ppb	9470.39	3.85	3600	

QC ISTD Table

Element	m/z	Tune Step	CPS	%RSD	Ref CPS	%Rec	Lower Limit	Upper Limit	QC Flag
Li6	6	1	634095	3.97	875670	72.4	60	125	
Sc (IS)	45	2	473097	1.64	566157	83.6	60	125	
Ge (IS)	72	1	9302754	3.76	12633047	73.6	60	125	
Ge (IS)	72	2	661379	1.19	792866	83.4	60	125	
115In	115	2	2313684	1.57	2594197	89.2	60	125	
Ho-165	165	2	16152011	0.38	17194663	93.9	60	125	

TuneStep	TuneFile	TuneDate
1	h2_hmi.u	5/1/2012 4:34:00 PM
2	he_hmi.u	5/1/2012 4:34:00 PM

Sample Report

Sample Name	280-28240-H-11-A
Data File Name	060SMPL.D
DataPath	d:\DATA\050112a.B
Acq Date Time	2012-05-01T16:39:10-06:00
Type	Sample
VialNumber	4306
Dilution	1
Comment	117478 6020
Operator	LMT
ISTDRefDataFileName	003CALB.D
SamplePassFail	Pass
ISTD PassFail	Pass

QC Analyte Table

Element	m/z	ISTD	Tune Step	Meas Value	FinalConc	%RSD	Units	CPS	CPS %RSD	High Value	QC Flag
Be	9	6	1	0.07	0.07	43.41	ppb	15.00	33.33	3600	
Na	23	45	2	20454.69	20454.69	10.63	ppb	2361797.31	4.09	1800000	
Mg	24	45	2	25916.55	25916.55	13.25	ppb	1218547.45	6.92	450000	
Al	27	45	2	1677.25	1677.25	6.54	ppb	15008.29	0.93	450000	
K	39	45	2	6807.33	6807.33	7.67	ppb	138359.69	0.98	180000	
Ca	44	45	2	115202.49	115202.49	14.81	ppb	129705.55	8.47	450000	
V	51	72	2	4.17	4.17	9.00	ppb	2518.45	10.03	3600	
Cr	52	72	2	2.33	2.33	5.54	ppb	2220.40	3.61	3600	
Mn	55	72	2	1541.75	1541.75	11.87	ppb	467103.54	7.23	3600	
Fe	57	72	2	9292.07	9292.07	12.25	ppb	167920.66	7.73	90000	
Co	59	72	2	0.93	0.93	5.46	ppb	1820.26	1.10	3600	
Ni	60	72	2	1.37	1.37	19.05	ppb	933.44	21.14	3600	
Cu	63	72	2	2.05	2.05	19.51	ppb	4414.22	11.23	3600	
Zn	66	72	2	8.96	8.96	7.09	ppb	1413.52	7.26	3600	
As	75	72	2	5.47	5.47	30.21	ppb	430.02	31.97	3600	
Se	78	72	1	0.09	0.09	16.98	ppb	32.00	12.50	3600	
Nb	93	72	2	0.36	0.36	120.68	ppb	1181.04	79.79	7200	
Mo	95	115	2	1.75	1.75	15.02	ppb	1313.50	9.79	3600	
Pd	105	115	2	-0.02	-0.02	0.00	ppb	0.00	#DIV/0!	3600	
Ag	107	115	2	0.01	0.01	87.46	ppb	80.01	43.30	900	
Cd	111	115	2	-0.01	-0.01	-497.38	ppb	13.33	173.21	3600	
Sn	120	115	2	0.31	0.31	33.38	ppb	440.04	12.03	3600	
Sb	121	115	2	0.01	0.01	1661.74	ppb	126.68	71.20	3600	
Ba	137	115	2	345.06	345.06	11.27	ppb	60076.37	5.18	3600	
W	182	165	2	0.05	0.05	65.43	ppb	906.79	15.49	3600	
Pt	195	165	2	0.00	0.00	384.35	ppb	73.34	41.66	3600	
Tl	205	165	2	0.03	0.03	33.99	ppb	306.70	19.92	3600	
Pb	208	165	2	1.16	1.16	19.83	ppb	12096.39	13.25	3600	
Th	232	165	2	0.65	0.65	19.68	ppb	6782.19	13.27	3600	
U	238	165	2	0.34	0.34	17.56	ppb	4281.11	11.93	3600	

QC ISTD Table

Element	m/z	Tune Step	CPS	%RSD	Ref CPS	%Rec	Lower Limit	Upper Limit	QC Flag
Li6	6	1	611145	0.27	875670	69.8	60	125	
Sc (IS)	45	2	486022	6.90	566157	85.8	60	125	
Ge (IS)	72	1	8940253	0.78	12633047	70.8	60	125	
Ge (IS)	72	2	680030	5.00	792866	85.8	60	125	
115In	115	2	2441820	6.59	2594197	94.1	60	125	
Ho-165	165	2	16757946	6.05	17194663	97.5	60	125	

TuneStep	TuneFile	TuneDate
1	h2_hmi.u	5/1/2012 4:37:00 PM
2	he_hmi.u	5/1/2012 4:37:00 PM

Sample Report

Sample Name	280-28240-H-12-A
Data File Name	061SMPL.D
DataPath	d:\DATA\050112a.B
Acq Date Time	2012-05-01T16:42:10-06:00
Type	Sample
VialNumber	4307
Dilution	1
Comment	117478 6020
Operator	LMT
ISTDRefDataFileName	003CALB.D
SamplePassFail	Pass
ISTD PassFail	Pass

QC Analyte Table

Element	m/z	ISTD	Tune Step	Meas Value	FinalConc	%RSD	Units	CPS	CPS %RSD	High Value	QC Flag
Be	9	6	1	0.03	0.03	296.87	ppb	8.33	173.21	3600	
Na	23	45	2	26153.41	26153.41	1.83	ppb	2908923.81	0.18	1800000	
Mg	24	45	2	35573.08	35573.08	2.85	ppb	1613577.95	2.02	450000	
Al	27	45	2	115.23	115.23	18.09	ppb	1000.11	16.37	450000	
K	39	45	2	7744.49	7744.49	1.35	ppb	151373.95	1.34	180000	
Ca	44	45	2	121975.26	121975.26	1.28	ppb	132598.13	0.41	450000	
V	51	72	2	1.03	1.03	15.60	ppb	584.40	16.71	3600	
Cr	52	72	2	0.20	0.20	34.13	ppb	253.36	24.12	3600	
Mn	55	72	2	901.76	901.76	1.29	ppb	265986.26	0.65	3600	
Fe	57	72	2	5811.80	5811.80	0.33	ppb	102296.93	0.35	90000	
Co	59	72	2	0.39	0.39	30.60	ppb	773.42	29.07	3600	
Ni	60	72	2	0.31	0.31	71.84	ppb	320.03	38.02	3600	
Cu	63	72	2	0.40	0.40	52.04	ppb	1620.20	20.55	3600	
Zn	66	72	2	4.88	4.88	41.53	ppb	820.09	33.53	3600	
As	75	72	2	34.36	34.36	10.23	ppb	2550.31	9.64	3600	
Se	78	72	1	0.11	0.11	57.24	ppb	37.33	43.30	3600	
Nb	93	72	2	-0.03	-0.03	-178.92	ppb	293.37	41.66	7200	
Mo	95	115	2	0.96	0.96	15.45	ppb	706.75	14.25	3600	
Pd	105	115	2	-0.01	-0.01	-219.51	ppb	13.33	173.21	3600	
Ag	107	115	2	0.00	0.00	-495.01	ppb	33.33	34.64	900	
Cd	111	115	2	0.12	0.12	66.60	ppb	53.34	43.31	3600	
Sn	120	115	2	0.14	0.14	80.22	ppb	306.70	24.69	3600	
Sb	121	115	2	-0.09	-0.09	-160.99	ppb	73.34	87.67	3600	
Ba	137	115	2	224.58	224.58	1.44	ppb	37577.25	1.03	3600	
W	182	165	2	0.14	0.14	37.01	ppb	1280.17	17.75	3600	
Pt	195	165	2	-0.01	-0.01	-127.15	ppb	26.67	173.21	3600	
Tl	205	165	2	0.00	0.00	203.91	ppb	106.68	47.19	3600	
Pb	208	165	2	0.16	0.16	13.77	ppb	2320.28	9.32	3600	
Th	232	165	2	0.10	0.10	14.86	ppb	1326.82	10.69	3600	
U	238	165	2	0.05	0.05	28.26	ppb	653.42	23.78	3600	

QC ISTD Table

Element	m/z	Tune Step	CPS	%RSD	Ref CPS	%Rec	Lower Limit	Upper Limit	QC Flag
Li6	6	1	601931	0.30	875670	68.7	60	125	
Sc (IS)	45	2	466146	1.66	566157	82.3	60	125	
Ge (IS)	72	1	8870461	1.51	12633047	70.2	60	125	
Ge (IS)	72	2	659427	0.64	792866	83.2	60	125	
115In	115	2	2334919	1.08	2594197	90.0	60	125	
Ho-165	165	2	16153449	0.49	17194663	93.9	60	125	

TuneStep	TuneFile	TuneDate
1	h2_hmi.u	5/1/2012 4:40:00 PM
2	he_hmi.u	5/1/2012 4:40:00 PM

Sample Report

Sample Name	280-28240-H-13-A
Data File Name	062SMPL.D
DataPath	d:\DATA\050112a.B
Acq Date Time	2012-05-01T16:45:09-06:00
Type	Sample
VialNumber	4308
Dilution	1
Comment	117478 6020
Operator	LMT
ISTDRefDataFileName	003CALB.D
SamplePassFail	Pass
ISTD PassFail	Pass

QC Analyte Table

Element	m/z	ISTD	Tune Step	Meas Value	FinalConc	%RSD	Units	CPS	CPS %RSD	High Value	QC Flag
Be	9	6	1	0.00	0.00	-1279.68	ppb	3.33	86.60	3600	
Na	23	45	2	87.63	87.63	3.24	ppb	13105.67	1.46	1800000	
Mg	24	45	2	9.10	9.10	7.53	ppb	520.05	3.85	450000	
Al	27	45	2	6.75	6.75	146.06	ppb	66.67	121.25	450000	
K	39	45	2	-2.29	-2.29	-163.70	ppb	766.76	7.53	180000	
Ca	44	45	2	78.77	78.77	44.45	ppb	100.01	34.64	450000	
V	51	72	2	0.16	0.16	21.20	ppb	68.78	28.99	3600	
Cr	52	72	2	0.15	0.15	38.53	ppb	206.69	24.36	3600	
Mn	55	72	2	0.40	0.40	58.51	ppb	180.01	40.06	3600	
Fe	57	72	2	-0.25	-0.25	-1067.02	ppb	106.67	43.30	90000	
Co	59	72	2	-0.02	-0.02	-54.58	ppb	20.00	100.00	3600	
Ni	60	72	2	-0.09	-0.09	-145.18	ppb	100.01	72.11	3600	
Cu	63	72	2	0.04	0.04	270.86	ppb	1040.13	19.52	3600	
Zn	66	72	2	0.97	0.97	37.67	ppb	293.36	17.16	3600	
As	75	72	2	-0.01	-0.01	-1591.32	ppb	10.00	173.21	3600	
Se	78	72	1	0.00	0.00	-1072.71	ppb	8.00	132.29	3600	
Nb	93	72	2	-0.07	-0.07	-35.89	ppb	213.36	23.59	7200	
Mo	95	115	2	-0.04	-0.04	0.00	ppb	0.00	#DIV/0!	3600	
Pd	105	115	2	-0.01	-0.01	-213.17	ppb	13.33	173.21	3600	
Ag	107	115	2	0.00	0.00	-1546.98	ppb	33.34	173.21	900	
Cd	111	115	2	0.01	0.01	21.17	ppb	20.00	0.00	3600	
Sn	120	115	2	-0.01	-0.01	-530.03	ppb	206.69	14.78	3600	
Sb	121	115	2	-0.14	-0.14	-35.05	ppb	53.34	43.31	3600	
Ba	137	115	2	0.33	0.33	42.28	ppb	73.34	31.49	3600	
W	182	165	2	0.11	0.11	9.98	ppb	1153.48	4.01	3600	
Pt	195	165	2	0.00	0.00	-505.60	ppb	53.34	94.37	3600	
Tl	205	165	2	0.00	0.00	-118.99	ppb	46.67	89.21	3600	
Pb	208	165	2	0.04	0.04	27.82	ppb	1180.14	7.77	3600	
Th	232	165	2	0.00	0.00	117.99	ppb	446.71	9.32	3600	
U	238	165	2	-0.01	-0.01	-38.97	ppb	33.33	91.65	3600	

QC ISTD Table

Element	m/z	Tune Step	CPS	%RSD	Ref CPS	%Rec	Lower Limit	Upper Limit	QC Flag
Li6	6	1	615924	0.57	875670	70.3	60	125	
Sc (IS)	45	2	459350	2.43	566157	81.1	60	125	
Ge (IS)	72	1	9491675	0.82	12633047	75.1	60	125	
Ge (IS)	72	2	662914	1.51	792866	83.6	60	125	
115In	115	2	2375411	1.97	2594197	91.6	60	125	
Ho-165	165	2	16192061	1.51	17194663	94.2	60	125	

TuneStep	TuneFile	TuneDate
1	h2_hmi.u	5/1/2012 4:43:00 PM
2	he_hmi.u	5/1/2012 4:43:00 PM

Sample Report

Sample Name	280-28240-H-14-A
Data File Name	063SMPL.D
DataPath	d:\DATA\050112a.B
Acq Date Time	2012-05-01T16:48:08-06:00
Type	Sample
VialNumber	4309
Dilution	1
Comment	117478 6020
Operator	LMT
ISTDRefDataFileName	003CALB.D
SamplePassFail	Pass
ISTD PassFail	Pass

QC Analyte Table

Element	m/z	ISTD	Tune Step	Meas Value	FinalConc	%RSD	Units	CPS	CPS %RSD	High Value	QC Flag
Be	9	6	1	0.02	0.02	177.74	ppb	6.67	86.60	3600	
Na	23	45	2	80261.38	80261.38	12.11	ppb	9218755.90	3.86	1800000	
Mg	24	45	2	38865.16	38865.16	12.80	ppb	1821291.95	4.48	450000	
Al	27	45	2	435.98	435.98	31.85	ppb	3840.89	23.19	450000	
K	39	45	2	1195.19	1195.19	14.44	ppb	24852.03	7.75	180000	
Ca	44	45	2	136797.68	136797.68	13.39	ppb	153562.73	4.82	450000	
V	51	72	2	5.75	5.75	15.91	ppb	3439.41	17.30	3600	
Cr	52	72	2	0.47	0.47	19.23	ppb	500.05	13.86	3600	
Mn	55	72	2	446.68	446.68	11.60	ppb	133418.23	6.05	3600	
Fe	57	72	2	365.53	365.53	16.67	ppb	6608.46	11.63	90000	
Co	59	72	2	0.90	0.90	11.59	ppb	1733.56	5.69	3600	
Ni	60	72	2	4.45	4.45	21.68	ppb	2620.46	18.51	3600	
Cu	63	72	2	1.46	1.46	12.02	ppb	3380.63	2.96	3600	
Zn	66	72	2	3.35	3.35	28.55	ppb	620.07	17.07	3600	
As	75	72	2	1.22	1.22	60.25	ppb	103.34	53.30	3600	
Se	78	72	1	6.60	6.60	13.06	ppb	1689.45	12.97	3600	
Nb	93	72	2	-0.01	-0.01	-312.23	ppb	340.04	20.38	7200	
Mo	95	115	2	2.69	2.69	17.55	ppb	1973.64	13.23	3600	
Pd	105	115	2	0.00	0.00	-1192.55	ppb	20.00	173.21	3600	
Ag	107	115	2	-0.01	-0.01	-39.40	ppb	6.67	173.21	900	
Cd	111	115	2	0.21	0.21	58.03	ppb	86.67	48.04	3600	
Sn	120	115	2	125.98	125.98	15.38	ppb	89108.25	8.14	3600	
Sb	121	115	2	0.15	0.15	57.15	ppb	186.68	16.37	3600	
Ba	137	115	2	181.07	181.07	15.21	ppb	30896.87	8.25	3600	
W	182	165	2	0.04	0.04	59.58	ppb	860.10	13.95	3600	
Pt	195	165	2	0.00	0.00	-164.71	ppb	46.67	65.47	3600	
Tl	205	165	2	0.04	0.04	35.60	ppb	393.38	25.59	3600	
Pb	208	165	2	0.92	0.92	9.44	ppb	9768.70	2.25	3600	
Th	232	165	2	0.11	0.11	37.98	ppb	1480.35	20.82	3600	
U	238	165	2	10.59	10.59	12.53	ppb	127646.27	6.03	3600	

QC ISTD Table

Element	m/z	Tune Step	CPS	%RSD	Ref CPS	%Rec	Lower Limit	Upper Limit	QC Flag
Li6	6	1	594953	1.00	875670	67.9	60	125	
Sc (IS)	45	2	485109	8.83	566157	85.7	60	125	
Ge (IS)	72	1	8584139	0.48	12633047	67.9	60	125	
Ge (IS)	72	2	670609	5.88	792866	84.6	60	125	
115In	115	2	2399157	7.60	2594197	92.5	60	125	
Ho-165	165	2	16682025	6.63	17194663	97.0	60	125	

TuneStep	TuneFile	TuneDate
1	h2_hmi.u	5/1/2012 4:46:00 PM
2	he_hmi.u	5/1/2012 4:46:00 PM

Sample Report

Sample Name	280-28240-H-15-A
Data File Name	064SMPL.D
DataPath	d:\DATA\050112a.B
Acq Date Time	2012-05-01T16:51:06-06:00
Type	Sample
VialNumber	4310
Dilution	1
Comment	117478 6020
Operator	LMT
ISTDRefDataFileName	003CALB.D
SamplePassFail	Pass
ISTD PassFail	Pass

QC Analyte Table

Element	m/z	ISTD	Tune Step	Meas Value	FinalConc	%RSD	Units	CPS	CPS %RSD	High Value	QC Flag
Be	9	6	1	0.00	0.00	-6604.76	ppb	3.33	173.21	3600	
Na	23	45	2	29239.38	29239.38	0.95	ppb	3281511.72	0.53	1800000	
Mg	24	45	2	26270.88	26270.88	1.45	ppb	1202599.80	1.16	450000	
Al	27	45	2	86.26	86.26	20.74	ppb	760.09	20.89	450000	
K	39	45	2	1044.11	1044.11	5.16	ppb	21313.96	5.21	180000	
Ca	44	45	2	96737.19	96737.19	0.63	ppb	106122.83	0.31	450000	
V	51	72	2	4.23	4.23	16.23	ppb	2495.44	15.72	3600	
Cr	52	72	2	0.21	0.21	46.48	ppb	260.02	33.53	3600	
Mn	55	72	2	602.22	602.22	0.98	ppb	179188.17	0.16	3600	
Fe	57	72	2	118.13	118.13	4.16	ppb	2207.03	4.28	90000	
Co	59	72	2	0.76	0.76	12.01	ppb	1466.87	11.02	3600	
Ni	60	72	2	4.72	4.72	9.28	ppb	2753.79	8.42	3600	
Cu	63	72	2	0.33	0.33	60.51	ppb	1513.55	21.08	3600	
Zn	66	72	2	2.33	2.33	34.21	ppb	480.05	23.20	3600	
As	75	72	2	0.88	0.88	43.02	ppb	76.67	37.65	3600	
Se	78	72	1	0.08	0.08	68.86	ppb	30.67	49.38	3600	
Nb	93	72	2	-0.09	-0.09	-68.55	ppb	166.68	79.90	7200	
Mo	95	115	2	0.99	0.99	18.63	ppb	733.43	16.66	3600	
Pd	105	115	2	-0.02	-0.02	0.00	ppb	0.00	#DIV/0!	3600	
Ag	107	115	2	-0.01	-0.01	-102.16	ppb	13.33	173.21	900	
Cd	111	115	2	0.37	0.37	24.60	ppb	133.35	22.91	3600	
Sn	120	115	2	2.21	2.21	18.43	ppb	1753.57	14.44	3600	
Sb	121	115	2	0.29	0.29	88.10	ppb	246.69	46.11	3600	
Ba	137	115	2	204.60	204.60	4.30	ppb	34584.40	5.91	3600	
W	182	165	2	-0.03	-0.03	-93.79	ppb	526.72	24.41	3600	
Pt	195	165	2	0.00	0.00	-415.83	ppb	53.34	78.07	3600	
Tl	205	165	2	0.01	0.01	58.23	ppb	193.35	33.26	3600	
Pb	208	165	2	0.25	0.25	14.74	ppb	3227.09	10.78	3600	
Th	232	165	2	0.01	0.01	35.02	ppb	553.40	9.10	3600	
U	238	165	2	1.48	1.48	1.99	ppb	17591.20	2.09	3600	

QC ISTD Table

Element	m/z	Tune Step	CPS	%RSD	Ref CPS	%Rec	Lower Limit	Upper Limit	QC Flag
Li6	6	1	602145	1.26	875670	68.8	60	125	
Sc (IS)	45	2	470331	0.47	566157	83.1	60	125	
Ge (IS)	72	1	9056175	1.11	12633047	71.7	60	125	
Ge (IS)	72	2	665118	0.84	792866	83.9	60	125	
115In	115	2	2357514	1.87	2594197	90.9	60	125	
Ho-165	165	2	16309131	0.26	17194663	94.8	60	125	

TuneStep	TuneFile	TuneDate
1	h2_hmi.u	5/1/2012 4:49:00 PM
2	he_hmi.u	5/1/2012 4:49:00 PM

Continuing Calibration Verification (CCV) - US EPA Method 6020

Sample Name	ccv-1392320
Data File Name	0656CCV.D
DataPath	d:\DATA\050112a.B
Acq Date Time	2012-05-01T16:54:04-06:00
Type	6-CCV
VialNumber	1107
Dilution	1
Comment	
Operator	LMT
ISTDRefDataFileName	003CALB.D
SamplePassFail	Fail
ISTD PassFail	Pass

QC Analyte Table

Element	m/z	ISTD	Tune Step	Meas Value	%RSD	Units	CPS	CPS%RSD	Exp Value	%Rec	QC Low	QC High	QC Flag
Be	9	6	1	51.32	2.36	ppb	9222.40	1.82	50	102.6	90	110	
Na	23	45	2	4687.56	0.83	ppb	516859.58	0.46	5000	93.8	90	110	
Mg	24	45	2	4820.50	1.80	ppb	215647.91	1.31	5000	96.4	90	110	
Al	27	45	2	4901.62	3.15	ppb	41569.03	3.57	5000	98.0	90	110	
K	39	45	2	4940.74	2.14	ppb	95489.11	2.36	5000	98.8	90	110	
Ca	44	45	2	5406.30	5.23	ppb	5808.16	4.83	5000	108.1	90	110	
V	51	72	2	50.84	5.20	ppb	30790.44	5.08	50	101.7	90	110	
Cr	52	72	2	45.60	0.87	ppb	41857.25	1.00	50	91.2	90	110	
Mn	55	72	2	50.04	3.96	ppb	15160.90	3.79	50	100.1	90	110	
Fe	57	72	2	4841.99	2.70	ppb	87219.00	2.55	5000	96.8	90	110	
Co	59	72	2	47.99	2.07	ppb	90374.31	2.00	50	96.0	90	110	
Ni	60	72	2	48.34	1.79	ppb	27216.06	1.80	50	96.7	90	110	
Cu	63	72	2	51.91	2.71	ppb	87219.63	2.67	50	103.8	90	110	
Zn	66	72	2	55.39	3.55	ppb	7822.37	3.63	50	110.8	90	110	6-CCV Main Failed
As	75	72	2	49.30	3.14	ppb	3740.54	2.98	50	98.6	90	110	
Se	78	72	1	51.05	0.74	ppb	14652.81	0.93	50	102.1	90	110	
Nb	93	72	2	100.24	0.84	ppb	229221.30	0.98	100	100.2	90	110	
Mo	95	115	2	47.16	1.82	ppb	33628.20	1.78	50	94.3	90	110	
Pd	105	115	2	48.70	1.66	ppb	68430.85	1.39	50	97.4	90	110	
Ag	107	115	2	47.88	1.60	ppb	154023.28	1.33	50	95.8	90	110	
Cd	111	115	2	47.32	8.08	ppb	14787.60	7.80	50	94.6	90	110	
Sn	120	115	2	54.50	0.53	ppb	38251.26	0.77	50	109.0	90	110	
Sb	121	115	2	50.27	2.61	ppb	23151.06	2.32	50	100.5	90	110	
Ba	137	115	2	53.03	4.23	ppb	8963.14	4.35	50	106.1	90	110	
W	182	165	2	50.11	2.25	ppb	232482.69	1.72	50	100.2	90	110	
Pt	195	165	2	48.03	1.86	ppb	201700.76	1.39	50	96.1	90	110	
Tl	205	165	2	50.35	1.93	ppb	381175.16	1.78	50	100.7	90	110	
Pb	208	165	2	51.24	0.46	ppb	492267.64	0.16	50	102.5	90	110	
Th	232	165	2	52.10	2.17	ppb	500017.73	1.67	50	104.2	90	110	
U	238	165	2	52.10	1.20	ppb	618883.34	0.90	50	104.2	90	110	

QC ISTD Table

Element	m/z	Tune Step	CPS	%RSD	Ref CPS	%Rec	QC Low	QC High	QC Flag
Li6	6	1	624422	0.61	875670	71.3	60	125	
Sc (IS)	45	2	459447	0.50	566157	81.2	60	125	
Ge (IS)	72	1	9665173	0.96	12633047	76.5	60	125	
Ge (IS)	72	2	674704	0.15	792866	85.1	60	125	
115In	115	2	2354826	0.29	2594197	90.8	60	125	
Ho-165	165	2	16356870	0.52	17194663	95.1	60	125	

TuneStep	TuneFile
1	h2_hmi.u
2	he_hmi.u

Continuing Calibration Blank (CCB) - US EPA Method 6020

Sample Name	ccb-1392356
Data File Name	0666CCB.D
DataPath	d:\DATA\050112a.B
Acq Date Time	2012-05-01T16:57:02-06:00
Type	6-CCB
VialNumber	1307
Dilution	1
Comment	
Operator	LMT
ISTDRefDataFileName	003CALB.D
SamplePassFail	Fail
ISTD PassFail	Pass

QC Analyte Table

Element	m/z	ISTD	Tune Step	Meas Value	%RSD	Units	CPS	CPS %RSD	QC High	QC Flag
Be	9	6	1	-0.02	0.00	ppb	0.00	#DIV/0!	1	
Na	23	45	2	6.43	41.76	ppb	4134.17	7.13	20	
Mg	24	45	2	4.61	57.27	ppb	313.36	36.85	20	
Al	27	45	2	0.33	833.53	ppb	13.33	173.21	20	
K	39	45	2	1.67	358.77	ppb	826.75	13.76	20	
Ca	44	45	2	42.00	119.92	ppb	60.00	88.20	20	6-CCB Main Failed
V	51	72	2	0.19	65.76	ppb	81.97	88.58	1	
Cr	52	72	2	0.03	125.86	ppb	100.01	34.64	1	
Mn	55	72	2	0.04	96.79	ppb	73.34	15.74	1	
Fe	57	72	2	2.37	28.92	ppb	153.35	7.53	20	
Co	59	72	2	-0.02	-103.84	ppb	26.67	114.57	1	
Ni	60	72	2	-0.21	-25.91	ppb	33.34	91.66	1	
Cu	63	72	2	-0.16	-60.70	ppb	706.74	22.88	1	
Zn	66	72	2	-0.01	-3573.44	ppb	160.01	33.07	5	
As	75	72	2	0.12	112.61	ppb	20.00	50.00	5	
Se	78	72	1	0.05	83.97	ppb	22.67	50.94	5	
Nb	93	72	2	0.77	10.56	ppb	2093.64	9.03	5	
Mo	95	115	2	0.02	278.12	ppb	46.67	98.98	1	
Pd	105	115	2	0.02	182.58	ppb	46.67	89.21	1	
Ag	107	115	2	0.02	62.08	ppb	100.01	40.00	1	
Cd	111	115	2	0.03	340.08	ppb	26.67	114.57	1	
Sn	120	115	2	1.24	23.53	ppb	1066.81	18.02	5	
Sb	121	115	2	-0.01	-435.28	ppb	106.67	28.64	0.2	
Ba	137	115	2	-0.11	0.00	ppb	0.00	#DIV/0!	1	
W	182	165	2	0.04	73.27	ppb	846.76	16.59	1	
Pt	195	165	2	0.00	-454.22	ppb	53.34	78.07	1	
Tl	205	165	2	0.02	0.17	ppb	260.03	0.00	1	
Pb	208	165	2	0.02	200.50	ppb	953.43	32.79	1	
Th	232	165	2	0.08	37.44	ppb	1140.15	24.12	1	
U	238	165	2	0.03	14.11	ppb	466.71	10.79	1	

QC ISTD Table

Element	m/z	Tune Step	CPS	%RSD	Ref CPS	%Rec	QC Low	QC High	QC Flag
Li6	6	1	602581	0.83	875670	68.8	60	125	
Sc (IS)	45	2	450079	0.17	566157	79.5	60	125	
Ge (IS)	72	1	9498433	0.39	12633047	75.2	60	125	
Ge (IS)	72	2	663481	0.38	792866	83.7	60	125	
115In	115	2	2328514	0.99	2594197	89.8	60	125	
Ho-165	165	2	16064659	0.12	17194663	93.4	60	125	

TuneStep	TuneFile
1	h2_hmi.u
2	he_hmi.u

Sample Report

Sample Name	280-28240-G-16-B
Data File Name	067SMPL.D
DataPath	d:\DATA\050112a.B
Acq Date Time	2012-05-01T17:00:00-06:00
Type	Sample
VialNumber	4311
Dilution	1
Comment	117478 6020
Operator	LMT
ISTDRefDataFileName	003CALB.D
SamplePassFail	Pass
ISTD PassFail	Pass

QC Analyte Table

Element	m/z	ISTD	Tune Step	Meas Value	FinalConc	%RSD	Units	CPS	CPS %RSD	High Value	QC Flag
Be	9	6	1	0.02	0.02	220.01	ppb	6.67	114.56	3600	
Na	23	45	2	57867.41	57867.41	1.60	ppb	6225925.12	0.46	1800000	
Mg	24	45	2	51948.33	51948.33	2.33	ppb	2280695.49	0.91	450000	
Al	27	45	2	84.39	84.39	10.78	ppb	713.40	11.33	450000	
K	39	45	2	10091.12	10091.12	3.78	ppb	190607.90	1.92	180000	
Ca	44	45	2	194243.25	194243.25	1.46	ppb	204378.97	0.87	450000	
V	51	72	2	0.71	0.71	91.12	ppb	372.94	97.45	3600	
Cr	52	72	2	0.21	0.21	66.35	ppb	246.69	47.51	3600	
Mn	55	72	2	2803.31	2803.31	0.34	ppb	784890.69	0.43	3600	
Fe	57	72	2	8046.66	8046.66	0.42	ppb	134416.84	0.31	90000	
Co	59	72	2	0.65	0.65	3.48	ppb	1180.14	2.94	3600	
Ni	60	72	2	0.42	0.42	24.17	ppb	360.04	14.70	3600	
Cu	63	72	2	0.08	0.08	137.68	ppb	1033.44	16.12	3600	
Zn	66	72	2	3.07	3.07	33.45	ppb	546.73	24.36	3600	
As	75	72	2	12.38	12.38	14.76	ppb	880.06	15.03	3600	
Se	78	72	1	0.10	0.10	13.38	ppb	33.33	18.33	3600	
Nb	93	72	2	0.31	0.31	29.83	ppb	1006.79	19.90	7200	
Mo	95	115	2	2.77	2.77	17.63	ppb	1933.62	18.40	3600	
Pd	105	115	2	0.02	0.02	37.07	ppb	53.34	21.66	3600	
Ag	107	115	2	0.01	0.01	244.95	ppb	53.34	86.60	900	
Cd	111	115	2	-0.01	-0.01	-282.61	ppb	13.33	86.60	3600	
Sn	120	115	2	0.13	0.13	45.98	ppb	293.36	14.19	3600	
Sb	121	115	2	-0.02	-0.02	-657.01	ppb	100.01	72.11	3600	
Ba	137	115	2	347.17	347.17	0.76	ppb	56436.98	1.09	3600	
W	182	165	2	0.17	0.17	18.61	ppb	1360.17	10.30	3600	
Pt	195	165	2	-0.01	-0.01	-98.83	ppb	40.00	50.01	3600	
Tl	205	165	2	0.01	0.01	87.66	ppb	173.35	48.04	3600	
Pb	208	165	2	0.10	0.10	12.22	ppb	1713.53	6.74	3600	
Th	232	165	2	0.35	0.35	13.89	ppb	3554.09	12.59	3600	
U	238	165	2	0.66	0.66	9.26	ppb	7542.44	8.80	3600	

QC ISTD Table

Element	m/z	Tune Step	CPS	%RSD	Ref CPS	%Rec	Lower Limit	Upper Limit	QC Flag
Li6	6	1	579748	7.30	875670	66.2	60	125	
Sc (IS)	45	2	451204	1.82	566157	79.7	60	125	
Ge (IS)	72	1	8640425	8.31	12633047	68.4	60	125	
Ge (IS)	72	2	626011	0.46	792866	79.0	60	125	
115In	115	2	2268735	1.02	2594197	87.5	60	125	
Ho-165	165	2	15501436	0.32	17194663	90.2	60	125	

TuneStep	TuneFile	TuneDate
1	h2_hmi.u	5/1/2012 4:58:00 PM
2	he_hmi.u	5/1/2012 4:58:00 PM

Sample Report

Sample Name	280-28240-H-17-A
Data File Name	068SMPL.D
DataPath	d:\DATA\050112a.B
Acq Date Time	2012-05-01T17:03:00-06:00
Type	Sample
VialNumber	4312
Dilution	1
Comment	117478 6020
Operator	LMT
ISTDRefDataFileName	003CALB.D
SamplePassFail	Pass
ISTD PassFail	Pass

QC Analyte Table

Element	m/z	ISTD	Tune Step	Meas Value	FinalConc	%RSD	Units	CPS	CPS %RSD	High Value	QC Flag
Be	9	6	1	0.03	0.03	155.00	ppb	8.33	91.65	3600	
Na	23	45	2	61676.81	61676.81	11.07	ppb	7010993.02	3.69	1800000	
Mg	24	45	2	48262.07	48262.07	13.48	ppb	2236307.99	6.33	450000	
Al	27	45	2	207.76	207.76	8.96	ppb	1846.93	10.29	450000	
K	39	45	2	9614.43	9614.43	9.92	ppb	192084.09	2.57	180000	
Ca	44	45	2	170485.32	170485.32	13.40	ppb	189310.91	6.16	450000	
V	51	72	2	1.26	1.26	30.63	ppb	706.83	26.65	3600	
Cr	52	72	2	0.59	0.59	20.82	ppb	593.39	14.03	3600	
Mn	55	72	2	1136.14	1136.14	12.35	ppb	332244.28	5.84	3600	
Fe	57	72	2	6502.87	6502.87	13.41	ppb	113414.22	6.91	90000	
Co	59	72	2	0.24	0.24	24.69	ppb	500.05	17.44	3600	
Ni	60	72	2	0.27	0.27	94.10	ppb	300.03	48.07	3600	
Cu	63	72	2	0.27	0.27	57.16	ppb	1400.15	17.84	3600	
Zn	66	72	2	2.15	2.15	36.01	ppb	453.38	29.38	3600	
As	75	72	2	44.41	44.41	5.28	ppb	3277.09	3.43	3600	
Se	78	72	1	0.23	0.23	63.60	ppb	65.33	55.22	3600	
Nb	93	72	2	0.12	0.12	46.36	ppb	613.39	14.70	7200	
Mo	95	115	2	1.22	1.22	38.22	ppb	880.10	32.22	3600	
Pd	105	115	2	0.01	0.01	316.49	ppb	33.34	91.66	3600	
Ag	107	115	2	0.00	0.00	-374.61	ppb	26.67	173.21	900	
Cd	111	115	2	0.27	0.27	107.70	ppb	100.01	91.65	3600	
Sn	120	115	2	0.29	0.29	71.03	ppb	400.04	25.00	3600	
Sb	121	115	2	-0.16	-0.16	-21.89	ppb	40.00	50.01	3600	
Ba	137	115	2	477.89	477.89	16.02	ppb	79483.46	6.25	3600	
W	182	165	2	0.22	0.22	18.00	ppb	1653.57	2.80	3600	
Pt	195	165	2	-0.01	-0.01	-95.29	ppb	40.00	50.01	3600	
Tl	205	165	2	0.01	0.01	209.53	ppb	146.68	88.73	3600	
Pb	208	165	2	0.18	0.18	27.36	ppb	2520.39	10.32	3600	
Th	232	165	2	0.20	0.20	37.86	ppb	2233.72	26.33	3600	
U	238	165	2	0.15	0.15	11.47	ppb	1833.60	2.27	3600	

QC ISTD Table

Element	m/z	Tune Step	CPS	%RSD	Ref CPS	%Rec	Lower Limit	Upper Limit	QC Flag
Li6	6	1	585604	1.17	875670	66.9	60	125	
Sc (IS)	45	2	479258	7.39	566157	84.7	60	125	
Ge (IS)	72	1	8495371	1.14	12633047	67.2	60	125	
Ge (IS)	72	2	657225	6.41	792866	82.9	60	125	
115In	115	2	2345387	9.59	2594197	90.4	60	125	
Ho-165	165	2	16127973	8.50	17194663	93.8	60	125	

TuneStep	TuneFile	TuneDate
1	h2_hmi.u	5/1/2012 5:01:00 PM
2	he_hmi.u	5/1/2012 5:01:00 PM

Sample Report

Sample Name	280-28240-H-18-A
Data File Name	069SMPL.D
DataPath	d:\DATA\050112a.B
Acq Date Time	2012-05-01T17:06:01-06:00
Type	Sample
VialNumber	4401
Dilution	1
Comment	117478 6020
Operator	LMT
ISTDRefDataFileName	003CALB.D
SamplePassFail	Pass
ISTD PassFail	Pass

QC Analyte Table

Element	m/z	ISTD	Tune Step	Meas Value	FinalConc	%RSD	Units	CPS	CPS %RSD	High Value	QC Flag
Be	9	6	1	0.00	0.00	-10822.62	ppb	3.33	173.21	3600	
Na	23	45	2	62287.01	62287.01	1.94	ppb	6994340.31	1.31	1800000	
Mg	24	45	2	61453.66	61453.66	2.46	ppb	2815914.33	0.74	450000	
Al	27	45	2	19.43	19.43	19.60	ppb	180.02	19.24	450000	
K	39	45	2	12552.24	12552.24	3.08	ppb	247286.71	1.35	180000	
Ca	44	45	2	238125.64	238125.64	1.78	ppb	261491.72	0.23	450000	
V	51	72	2	0.53	0.53	63.05	ppb	278.62	69.40	3600	
Cr	52	72	2	0.16	0.16	65.13	ppb	213.36	44.31	3600	
Mn	55	72	2	675.73	675.73	1.64	ppb	195699.33	1.68	3600	
Fe	57	72	2	8541.95	8541.95	0.20	ppb	147556.76	0.85	90000	
Co	59	72	2	0.14	0.14	44.10	ppb	300.03	35.28	3600	
Ni	60	72	2	0.23	0.23	23.57	ppb	273.37	11.18	3600	
Cu	63	72	2	0.11	0.11	154.58	ppb	1126.80	25.37	3600	
Zn	66	72	2	1.02	1.02	59.23	ppb	293.36	27.56	3600	
As	75	72	2	12.71	12.71	7.56	ppb	933.39	6.97	3600	
Se	78	72	1	0.11	0.11	51.64	ppb	36.00	40.06	3600	
Nb	93	72	2	-0.03	-0.03	-52.22	ppb	293.36	10.41	7200	
Mo	95	115	2	1.33	1.33	17.96	ppb	966.78	18.08	3600	
Pd	105	115	2	0.00	0.00	1662.75	ppb	26.67	173.21	3600	
Ag	107	115	2	-0.01	-0.01	-52.00	ppb	13.33	86.60	900	
Cd	111	115	2	0.12	0.12	117.27	ppb	53.34	78.07	3600	
Sn	120	115	2	0.30	0.30	23.48	ppb	413.38	12.18	3600	
Sb	121	115	2	-0.15	-0.15	-62.89	ppb	46.67	89.22	3600	
Ba	137	115	2	588.89	588.89	1.14	ppb	97965.77	1.49	3600	
W	182	165	2	0.14	0.14	27.99	ppb	1266.83	13.43	3600	
Pt	195	165	2	0.01	0.01	121.86	ppb	86.68	35.25	3600	
Tl	205	165	2	0.01	0.01	23.71	ppb	126.68	9.12	3600	
Pb	208	165	2	0.03	0.03	45.94	ppb	1053.45	11.13	3600	
Th	232	165	2	0.06	0.06	29.34	ppb	933.45	16.64	3600	
U	238	165	2	0.47	0.47	5.54	ppb	5494.81	5.92	3600	

QC ISTD Table

Element	m/z	Tune Step	CPS	%RSD	Ref CPS	%Rec	Lower Limit	Upper Limit	QC Flag
Li6	6	1	588840	0.17	875670	67.2	60	125	
Sc (IS)	45	2	470939	1.79	566157	83.2	60	125	
Ge (IS)	72	1	8456166	0.07	12633047	66.9	60	125	
Ge (IS)	72	2	647384	0.84	792866	81.7	60	125	
115In	115	2	2321918	0.66	2594197	89.5	60	125	
Ho-165	165	2	15902744	0.52	17194663	92.5	60	125	

TuneStep	TuneFile	TuneDate
1	h2_hmi.u	5/1/2012 5:04:00 PM
2	he_hmi.u	5/1/2012 5:04:00 PM

Sample Report

Sample Name	280-28240-H-19-A
Data File Name	070SMPL.D
DataPath	d:\DATA\050112a.B
Acq Date Time	2012-05-01T17:09:01-06:00
Type	Sample
VialNumber	4402
Dilution	1
Comment	117478 6020
Operator	LMT
ISTDRefDataFileName	003CALB.D
SamplePassFail	Pass
ISTD PassFail	Pass

QC Analyte Table

Element	m/z	ISTD	Tune Step	Meas Value	FinalConc	%RSD	Units	CPS	CPS %RSD	High Value	QC Flag
Be	9	6	1	0.03	0.03	154.50	ppb	8.33	91.65	3600	
Na	23	45	2	64071.25	64071.25	1.54	ppb	7160126.14	1.09	1800000	
Mg	24	45	2	63315.55	63315.55	1.40	ppb	2887637.25	0.77	450000	
Al	27	45	2	4.11	4.11	29.37	ppb	46.67	24.74	450000	
K	39	45	2	12979.75	12979.75	1.81	ppb	254495.62	1.15	180000	
Ca	44	45	2	245464.91	245464.91	1.74	ppb	268292.48	2.12	450000	
V	51	72	2	0.43	0.43	31.32	ppb	220.17	36.16	3600	
Cr	52	72	2	0.17	0.17	86.99	ppb	220.02	59.61	3600	
Mn	55	72	2	693.84	693.84	2.30	ppb	199947.91	1.79	3600	
Fe	57	72	2	8754.99	8754.99	2.64	ppb	150469.50	1.43	90000	
Co	59	72	2	0.18	0.18	39.21	ppb	380.04	32.87	3600	
Ni	60	72	2	0.11	0.11	23.36	ppb	206.69	5.59	3600	
Cu	63	72	2	0.08	0.08	342.23	ppb	1073.46	41.68	3600	
Zn	66	72	2	1.09	1.09	85.97	ppb	300.03	40.55	3600	
As	75	72	2	11.39	11.39	6.66	ppb	833.39	5.67	3600	
Se	78	72	1	0.16	0.16	61.70	ppb	48.00	52.04	3600	
Nb	93	72	2	-0.05	-0.05	-15.64	ppb	240.02	8.33	7200	
Mo	95	115	2	1.19	1.19	3.93	ppb	866.76	2.66	3600	
Pd	105	115	2	-0.02	-0.02	0.00	ppb	0.00	#DIV/0!	3600	
Ag	107	115	2	0.00	0.00	-2841.41	ppb	33.34	173.21	900	
Cd	111	115	2	-0.01	-0.01	-254.60	ppb	13.33	86.60	3600	
Sn	120	115	2	0.24	0.24	141.22	ppb	373.37	62.55	3600	
Sb	121	115	2	-0.13	-0.13	-67.60	ppb	53.34	78.07	3600	
Ba	137	115	2	588.44	588.44	0.57	ppb	98299.42	0.59	3600	
W	182	165	2	0.16	0.16	53.24	ppb	1353.54	27.98	3600	
Pt	195	165	2	-0.01	-0.01	-40.49	ppb	33.33	34.64	3600	
Tl	205	165	2	-0.01	-0.01	-86.10	ppb	40.00	86.61	3600	
Pb	208	165	2	0.01	0.01	133.38	ppb	920.10	19.32	3600	
Th	232	165	2	0.01	0.01	47.36	ppb	446.71	5.17	3600	
U	238	165	2	0.50	0.50	7.89	ppb	5881.66	7.73	3600	

QC ISTD Table

Element	m/z	Tune Step	CPS	%RSD	Ref CPS	%Rec	Lower Limit	Upper Limit	QC Flag
Li6	6	1	590127	0.79	875670	67.4	60	125	
Sc (IS)	45	2	468692	2.17	566157	82.8	60	125	
Ge (IS)	72	1	8409170	0.92	12633047	66.6	60	125	
Ge (IS)	72	2	644245	1.19	792866	81.3	60	125	
115In	115	2	2331780	1.16	2594197	89.9	60	125	
Ho-165	165	2	15865271	0.18	17194663	92.3	60	125	

TuneStep	TuneFile	TuneDate
1	h2_hmi.u	5/1/2012 5:07:00 PM
2	he_hmi.u	5/1/2012 5:07:00 PM

Continuing Calibration Verification (CCV) - US EPA Method 6020

Sample Name	ccv-1392320
Data File Name	0716CCV.D
DataPath	d:\DATA\050112a.B
Acq Date Time	2012-05-01T17:12:00-06:00
Type	6-CCV
VialNumber	1107
Dilution	1
Comment	
Operator	LMT
ISTDRefDataFileName	003CALB.D
SamplePassFail	Fail
ISTD PassFail	Pass

QC Analyte Table

Element	m/z	ISTD	Tune Step	Meas Value	%RSD	Units	CPS	CPS%RSD	Exp Value	%Rec	QC Low	QC High	QC Flag
Be	9	6	1	50.70	4.86	ppb	9154.01	5.11	50	101.4	90	110	
Na	23	45	2	4607.86	4.13	ppb	513603.42	1.82	5000	92.2	90	110	
Mg	24	45	2	4704.69	3.73	ppb	212756.47	1.47	5000	94.1	90	110	
Al	27	45	2	4825.15	5.37	ppb	41348.22	3.07	5000	96.5	90	110	
K	39	45	2	4909.81	6.09	ppb	95886.16	3.85	5000	98.2	90	110	
Ca	44	45	2	5110.09	1.23	ppb	5554.64	3.10	5000	102.2	90	110	
V	51	72	2	48.10	4.47	ppb	29353.50	3.89	50	96.2	90	110	
Cr	52	72	2	44.19	3.76	ppb	40875.00	3.57	50	88.4	90	110	6-CCV Main Failed
Mn	55	72	2	48.89	1.22	ppb	14933.82	2.17	50	97.8	90	110	
Fe	57	72	2	4622.46	1.10	ppb	83923.83	0.95	5000	92.4	90	110	
Co	59	72	2	48.17	2.05	ppb	91419.67	1.28	50	96.3	90	110	
Ni	60	72	2	45.73	2.55	ppb	25953.74	2.03	50	91.5	90	110	
Cu	63	72	2	49.89	1.61	ppb	84527.08	1.20	50	99.8	90	110	
Zn	66	72	2	48.02	7.41	ppb	6855.29	6.63	50	96.0	90	110	
As	75	72	2	48.73	2.31	ppb	3727.21	3.35	50	97.5	90	110	
Se	78	72	1	49.67	1.12	ppb	14395.24	0.96	50	99.3	90	110	
Nb	93	72	2	97.46	2.89	ppb	224585.42	1.87	100	97.5	90	110	
Mo	95	115	2	46.09	5.15	ppb	33400.74	4.04	50	92.2	90	110	
Pd	105	115	2	47.24	3.52	ppb	67500.56	3.47	50	94.5	90	110	
Ag	107	115	2	45.36	3.20	ppb	148337.02	2.59	50	90.7	90	110	
Cd	111	115	2	47.07	2.15	ppb	14961.07	2.99	50	94.1	90	110	
Sn	120	115	2	51.83	4.40	ppb	36995.73	4.38	50	103.7	90	110	
Sb	121	115	2	45.09	2.48	ppb	21121.55	1.33	50	90.2	90	110	
Ba	137	115	2	52.30	7.71	ppb	8983.07	6.80	50	104.6	90	110	
W	182	165	2	49.17	3.69	ppb	230813.99	1.99	50	98.3	90	110	
Pt	195	165	2	46.78	3.02	ppb	198761.17	1.47	50	93.6	90	110	
Tl	205	165	2	49.54	2.57	ppb	379514.94	1.06	50	99.1	90	110	
Pb	208	165	2	50.11	2.81	ppb	487028.62	1.14	50	100.2	90	110	
Th	232	165	2	50.48	3.63	ppb	490193.68	1.90	50	101.0	90	110	
U	238	165	2	50.71	3.61	ppb	609476.80	1.87	50	101.4	90	110	

QC ISTD Table

Element	m/z	Tune Step	CPS	%RSD	Ref CPS	%Rec	QC Low	QC High	QC Flag
Li6	6	1	627253	0.25	875670	71.6	60	125	
Sc (IS)	45	2	464682	2.38	566157	82.1	60	125	
Ge (IS)	72	1	9758844	0.30	12633047	77.2	60	125	
Ge (IS)	72	2	680020	1.09	792866	85.8	60	125	
115In	115	2	2394377	1.51	2594197	92.3	60	125	
Ho-165	165	2	16554501	1.80	17194663	96.3	60	125	

TuneStep	TuneFile
1	h2_hmi.u
2	he_hmi.u

Continuing Calibration Blank (CCB) - US EPA Method 6020

Sample Name	ccb-1392356
Data File Name	0726CCB.D
DataPath	d:\DATA\050112a.B
Acq Date Time	2012-05-01T17:14:58-06:00
Type	6-CCB
VialNumber	1307
Dilution	1
Comment	
Operator	LMT
ISTDRefDataFileName	003CALB.D
SamplePassFail	Pass
ISTD PassFail	Pass

QC Analyte Table

Element	m/z	ISTD	Tune Step	Meas Value	%RSD	Units	CPS	CPS %RSD	QC High	QC Flag
Be	9	6	1	-0.02	0.00	ppb	0.00	#DIV/0!	1	
Na	23	45	2	5.19	54.94	ppb	3987.42	8.11	20	
Mg	24	45	2	2.50	64.20	ppb	220.02	31.49	20	
Al	27	45	2	0.33	416.58	ppb	13.33	86.60	20	
K	39	45	2	-3.88	-96.46	ppb	720.09	10.02	20	
Ca	44	45	2	3.89	488.78	ppb	20.00	100.00	20	
V	51	72	2	0.07	31.86	ppb	13.08	101.03	1	
Cr	52	72	2	0.02	482.95	ppb	86.67	81.04	1	
Mn	55	72	2	0.04	92.52	ppb	73.34	15.74	1	
Fe	57	72	2	0.13	979.54	ppb	113.34	20.38	20	
Co	59	72	2	-0.03	-23.51	ppb	6.67	173.21	1	
Ni	60	72	2	-0.04	-48.31	ppb	126.68	9.12	1	
Cu	63	72	2	-0.07	-47.90	ppb	853.43	5.90	1	
Zn	66	72	2	0.00	-27212.35	ppb	160.02	69.60	5	
As	75	72	2	-0.15	0.00	ppb	0.00	#DIV/0!	5	
Se	78	72	1	0.03	204.72	ppb	16.00	90.14	5	
Nb	93	72	2	0.73	7.92	ppb	1980.29	6.31	5	
Mo	95	115	2	0.00	-350.64	ppb	26.67	43.30	1	
Pd	105	115	2	0.02	51.51	ppb	46.67	24.75	1	
Ag	107	115	2	0.00	-269.05	ppb	26.67	86.60	1	
Cd	111	115	2	0.03	338.15	ppb	26.67	114.57	1	
Sn	120	115	2	0.47	59.81	ppb	533.40	37.57	5	
Sb	121	115	2	0.02	567.52	ppb	120.01	33.33	0.2	
Ba	137	115	2	-0.11	0.00	ppb	0.00	#DIV/0!	1	
W	182	165	2	0.03	121.08	ppb	793.43	22.03	1	
Pt	195	165	2	0.00	-274.34	ppb	46.67	89.21	1	
Tl	205	165	2	0.03	15.20	ppb	273.37	11.17	1	
Pb	208	165	2	0.01	109.87	ppb	906.77	13.48	1	
Th	232	165	2	0.07	52.16	ppb	1026.80	32.15	1	
U	238	165	2	0.01	51.11	ppb	280.03	31.14	1	

QC ISTD Table

Element	m/z	Tune Step	CPS	%RSD	Ref CPS	%Rec	QC Low	QC High	QC Flag
Li6	6	1	599174	0.78	875670	68.4	60	125	
Sc (IS)	45	2	448538	0.78	566157	79.2	60	125	
Ge (IS)	72	1	9438212	0.31	12633047	74.7	60	125	
Ge (IS)	72	2	660166	0.48	792866	83.3	60	125	
115In	115	2	2325135	1.36	2594197	89.6	60	125	
Ho-165	165	2	15955740	0.63	17194663	92.8	60	125	

TuneStep	TuneFile
1	h2_hmi.u
2	he_hmi.u

Sample Report

Sample Name	MB 280-117485/1-A
Data File Name	073SMPL.D
DataPath	d:\DATA\050112a.B
Acq Date Time	2012-05-01T17:17:58-06:00
Type	Sample
VialNumber	4403
Dilution	1
Comment	117485 6020
Operator	LMT
ISTDRefDataFileName	003CALB.D
SamplePassFail	Pass
ISTD PassFail	Pass

QC Analyte Table

Element	m/z	ISTD	Tune Step	Meas Value	FinalConc	%RSD	Units	CPS	CPS %RSD	High Value	QC Flag
Be	9	6	1	0.00	0.00	12702.87	ppb	3.33	173.21	3600	
Na	23	45	2	2.15	2.15	108.50	ppb	3620.64	6.27	1800000	
Mg	24	45	2	4.12	4.12	47.66	ppb	286.69	28.20	450000	
Al	27	45	2	3.66	3.66	116.70	ppb	40.01	86.60	450000	
K	39	45	2	-3.10	-3.10	-188.83	ppb	726.75	15.16	180000	
Ca	44	45	2	55.80	55.80	40.37	ppb	73.34	31.49	450000	
V	51	72	2	0.11	0.11	80.08	ppb	37.79	138.68	3600	
Cr	52	72	2	0.03	0.03	182.46	ppb	100.01	52.92	3600	
Mn	55	72	2	0.07	0.07	101.99	ppb	80.01	25.00	3600	
Fe	57	72	2	8.02	8.02	8.61	ppb	246.69	4.68	90000	
Co	59	72	2	-0.03	-0.03	0.00	ppb	0.00	#DIV/0!	3600	
Ni	60	72	2	-0.15	-0.15	-28.86	ppb	66.67	34.65	3600	
Cu	63	72	2	0.02	0.02	502.55	ppb	973.44	14.86	3600	
Zn	66	72	2	0.53	0.53	76.21	ppb	226.69	22.21	3600	
As	75	72	2	-0.15	-0.15	0.00	ppb	0.00	#DIV/0!	3600	
Se	78	72	1	0.02	0.02	94.57	ppb	13.33	34.64	3600	
Nb	93	72	2	0.21	0.21	34.45	ppb	806.76	19.89	7200	
Mo	95	115	2	0.02	0.02	302.01	ppb	46.67	107.86	3600	
Pd	105	115	2	-0.01	-0.01	-66.79	ppb	6.67	173.21	3600	
Ag	107	115	2	0.00	0.00	108.47	ppb	46.67	24.75	900	
Cd	111	115	2	0.07	0.07	239.50	ppb	40.00	132.29	3600	
Sn	120	115	2	-0.09	-0.09	-185.22	ppb	146.68	79.90	3600	
Sb	121	115	2	-0.15	-0.15	-70.75	ppb	46.67	98.98	3600	
Ba	137	115	2	0.01	0.01	1579.34	ppb	20.00	173.21	3600	
W	182	165	2	0.02	0.02	169.63	ppb	726.75	18.73	3600	
Pt	195	165	2	0.00	0.00	1337.69	ppb	66.67	96.44	3600	
Tl	205	165	2	0.01	0.01	178.94	ppb	133.34	70.89	3600	
Pb	208	165	2	0.00	0.00	531.57	ppb	813.41	16.00	3600	
Th	232	165	2	0.20	0.20	27.83	ppb	2300.44	22.86	3600	
U	238	165	2	0.00	0.00	2988.88	ppb	113.34	71.32	3600	

QC ISTD Table

Element	m/z	Tune Step	CPS	%RSD	Ref CPS	%Rec	Lower Limit	Upper Limit	QC Flag
Li6	6	1	570823	0.12	875670	65.2	60	125	
Sc (IS)	45	2	443626	1.45	566157	78.4	60	125	
Ge (IS)	72	1	8933161	0.98	12633047	70.7	60	125	
Ge (IS)	72	2	646040	1.23	792866	81.5	60	125	
115In	115	2	2330268	1.00	2594197	89.8	60	125	
Ho-165	165	2	15893086	0.24	17194663	92.4	60	125	

TuneStep	TuneFile	TuneDate
1	h2_hmi.u	5/1/2012 5:16:00 PM
2	he_hmi.u	5/1/2012 5:16:00 PM

Sample Report

Sample Name	LCS 280-117485/2-A
Data File Name	074SMPL.D
DataPath	d:\DATA\050112a.B
Acq Date Time	2012-05-01T17:20:58-06:00
Type	Sample
VialNumber	4404
Dilution	1
Comment	117485 6020
Operator	LMT
ISTDRefDataFileName	003CALB.D
SamplePassFail	Pass
ISTD PassFail	Pass

QC Analyte Table

Element	m/z	ISTD	Tune Step	Meas Value	FinalConc	%RSD	Units	CPS	CPS %RSD	High Value	QC Flag
Be	9	6	1	37.51	37.51	8.44	ppb	6174.45	4.94	3600	
Na	23	45	2	-1.84	-1.84	-213.52	ppb	3120.51	12.01	1800000	
Mg	24	45	2	-0.33	-0.33	-222.16	ppb	93.34	32.74	450000	
Al	27	45	2	4.56	4.56	82.83	ppb	46.67	65.47	450000	
K	39	45	2	-2.16	-2.16	-315.31	ppb	726.75	17.91	180000	
Ca	44	45	2	24.46	24.46	160.67	ppb	40.00	100.00	450000	
V	51	72	2	38.03	38.03	12.66	ppb	21676.14	12.06	3600	
Cr	52	72	2	37.66	37.66	3.69	ppb	32564.67	2.67	3600	
Mn	55	72	2	42.22	42.22	6.37	ppb	12064.89	7.44	3600	
Fe	57	72	2	1.54	1.54	317.55	ppb	133.34	62.45	90000	
Co	59	72	2	37.50	37.50	1.73	ppb	66518.19	0.62	3600	
Ni	60	72	2	39.80	39.80	4.74	ppb	21127.49	4.66	3600	
Cu	63	72	2	39.15	39.15	4.35	ppb	62176.10	3.17	3600	
Zn	66	72	2	41.39	41.39	8.88	ppb	5547.99	9.74	3600	
As	75	72	2	37.64	37.64	6.10	ppb	2693.64	6.69	3600	
Se	78	72	1	35.41	35.41	8.13	ppb	9471.95	4.95	3600	
Nb	93	72	2	0.07	0.07	34.93	ppb	500.05	10.58	7200	
Mo	95	115	2	37.97	37.97	2.58	ppb	26328.65	2.66	3600	
Pd	105	115	2	0.00	0.00	-1035.92	ppb	20.00	173.21	3600	
Ag	107	115	2	38.24	38.24	2.44	ppb	119583.22	2.26	900	
Cd	111	115	2	37.54	37.54	7.62	ppb	11411.19	7.56	3600	
Sn	120	115	2	41.58	41.58	4.06	ppb	28418.94	3.85	3600	
Sb	121	115	2	40.42	40.42	3.86	ppb	18117.63	4.02	3600	
Ba	137	115	2	39.22	39.22	1.96	ppb	6448.47	1.76	3600	
W	182	165	2	0.03	0.03	31.76	ppb	766.77	5.43	3600	
Pt	195	165	2	-0.01	-0.01	-33.89	ppb	26.67	43.30	3600	
Tl	205	165	2	41.54	41.54	0.57	ppb	301188.14	0.47	3600	
Pb	208	165	2	42.26	42.26	0.25	ppb	388849.29	0.44	3600	
Th	232	165	2	40.61	40.61	0.63	ppb	373308.49	0.55	3600	
U	238	165	2	43.17	43.17	0.99	ppb	491068.09	1.02	3600	

QC ISTD Table

Element	m/z	Tune Step	CPS	%RSD	Ref CPS	%Rec	Lower Limit	Upper Limit	QC Flag
Li6	6	1	572986	4.06	875670	65.4	60	125	
Sc (IS)	45	2	432957	1.26	566157	76.5	60	125	
Ge (IS)	72	1	9022139	3.38	12633047	71.4	60	125	
Ge (IS)	72	2	635495	1.13	792866	80.2	60	125	
115In	115	2	2289149	0.19	2594197	88.2	60	125	
Ho-165	165	2	15662652	0.23	17194663	91.1	60	125	

TuneStep	TuneFile	TuneDate
1	h2_hmi.u	5/1/2012 5:19:00 PM
2	he_hmi.u	5/1/2012 5:19:00 PM

Sample Report

Sample Name	280-28267-D-1-D
Data File Name	075SMPL.D
DataPath	d:\DATA\050112a.B
Acq Date Time	2012-05-01T17:23:57-06:00
Type	Sample
VialNumber	4405
Dilution	1
Comment	117485 6020
Operator	LMT
ISTDRefDataFileName	003CALB.D
SamplePassFail	Pass
ISTD PassFail	Pass

QC Analyte Table

Element	m/z	ISTD	Tune Step	Meas Value	FinalConc	%RSD	Units	CPS	CPS %RSD	High Value	QC Flag
Be	9	6	1	0.15	0.15	39.76	ppb	28.33	36.74	3600	
Na	23	45	2	302408.62	302408.62	2.14	ppb	34776231.98	0.70	1800000	
Mg	24	45	2	48685.34	48685.34	2.33	ppb	2285731.32	0.51	450000	
Al	27	45	2	2608.06	2608.06	3.50	ppb	23224.08	2.25	450000	
K	39	45	2	3181.32	3181.32	1.62	ppb	64863.92	1.03	180000	
Ca	44	45	2	168978.76	168978.76	0.63	ppb	190203.99	3.10	450000	
V	51	72	2	5.68	5.68	22.83	ppb	3254.34	21.89	3600	
Cr	52	72	2	7.40	7.40	10.59	ppb	6555.09	11.78	3600	
Mn	55	72	2	121.42	121.42	2.76	ppb	35069.79	4.08	3600	
Fe	57	72	2	3824.57	3824.57	1.17	ppb	65842.56	1.90	90000	
Co	59	72	2	1.67	1.67	7.31	ppb	3053.86	8.19	3600	
Ni	60	72	2	4.87	4.87	3.94	ppb	2753.78	4.00	3600	
Cu	63	72	2	2.15	2.15	14.14	ppb	4347.59	9.68	3600	
Zn	66	72	2	10.22	10.22	19.90	ppb	1506.86	17.63	3600	
As	75	72	2	2.06	2.06	22.85	ppb	160.01	22.53	3600	
Se	78	72	1	199.68	199.68	1.42	ppb	47057.55	1.53	3600	
Nb	93	72	2	0.11	0.11	92.48	ppb	600.06	38.44	7200	
Mo	95	115	2	0.79	0.79	15.86	ppb	580.05	15.03	3600	
Pd	105	115	2	0.00	0.00	-568.78	ppb	20.00	100.00	3600	
Ag	107	115	2	0.00	0.00	828.16	ppb	40.00	100.00	900	
Cd	111	115	2	0.07	0.07	89.02	ppb	40.00	50.00	3600	
Sn	120	115	2	0.26	0.26	6.79	ppb	386.71	2.99	3600	
Sb	121	115	2	-0.07	-0.07	-225.60	ppb	80.01	90.14	3600	
Ba	137	115	2	39.24	39.24	11.07	ppb	6481.86	11.05	3600	
W	182	165	2	0.06	0.06	22.63	ppb	906.78	5.55	3600	
Pt	195	165	2	-0.01	-0.01	-81.57	ppb	20.00	173.21	3600	
Tl	205	165	2	0.05	0.05	56.95	ppb	473.39	46.74	3600	
Pb	208	165	2	1.45	1.45	9.79	ppb	14278.49	9.18	3600	
Th	232	165	2	2.18	2.18	9.57	ppb	20721.92	10.31	3600	
U	238	165	2	14.89	14.89	0.18	ppb	172158.50	0.90	3600	

QC ISTD Table

Element	m/z	Tune Step	CPS	%RSD	Ref CPS	%Rec	Lower Limit	Upper Limit	QC Flag
Li6	6	1	568257	1.64	875670	64.9	60	125	
Sc (IS)	45	2	482575	2.64	566157	85.2	60	125	
Ge (IS)	72	1	7939077	0.23	12633047	62.8	60	125	
Ge (IS)	72	2	644591	1.39	792866	81.3	60	125	
115In	115	2	2299868	0.19	2594197	88.7	60	125	
Ho-165	165	2	15909249	0.93	17194663	92.5	60	125	

TuneStep	TuneFile	TuneDate
1	h2_hmi.u	5/1/2012 5:22:00 PM
2	he_hmi.u	5/1/2012 5:22:00 PM

Sample Report

Sample Name	280-28267-D-1-D sd@5
Data File Name	076SMPL.D
DataPath	d:\DATA\050112a.B
Acq Date Time	2012-05-01T17:26:56-06:00
Type	Sample
VialNumber	4406
Dilution	1
Comment	117485 6020
Operator	LMT
ISTDRefDataFileName	003CALB.D
SamplePassFail	Pass
ISTD PassFail	Pass

QC Analyte Table

Element	m/z	ISTD	Tune Step	Meas Value	FinalConc	%RSD	Units	CPS	CPS %RSD	High Value	QC Flag
Be	9	6	1	0.06	0.06	117.43	ppb	15.00	88.19	3600	
Na	23	45	2	62960.77	62960.77	4.50	ppb	7076463.43	1.52	1800000	
Mg	24	45	2	10221.67	10221.67	5.83	ppb	468843.26	2.95	450000	
Al	27	45	2	577.43	577.43	10.15	ppb	5027.78	7.47	450000	
K	39	45	2	657.64	657.64	19.88	ppb	13720.82	15.46	180000	
Ca	44	45	2	35987.84	35987.84	5.60	ppb	39564.44	2.91	450000	
V	51	72	2	1.08	1.08	18.03	ppb	631.50	16.79	3600	
Cr	52	72	2	1.63	1.63	6.32	ppb	1586.88	5.10	3600	
Mn	55	72	2	23.44	23.44	5.51	ppb	7215.40	3.44	3600	
Fe	57	72	2	786.37	786.37	1.53	ppb	14433.57	3.33	90000	
Co	59	72	2	0.52	0.52	6.99	ppb	1046.80	4.81	3600	
Ni	60	72	2	0.98	0.98	18.68	ppb	713.42	16.43	3600	
Cu	63	72	2	0.41	0.41	43.09	ppb	1686.89	17.60	3600	
Zn	66	72	2	2.82	2.82	25.81	ppb	560.06	17.86	3600	
As	75	72	2	-0.02	-0.02	-1039.58	ppb	10.00	173.21	3600	
Se	78	72	1	41.01	41.01	2.42	ppb	11893.43	2.07	3600	
Nb	93	72	2	-0.01	-0.01	-1020.62	ppb	360.08	30.95	7200	
Mo	95	115	2	0.20	0.20	83.97	ppb	173.35	69.55	3600	
Pd	105	115	2	0.01	0.01	252.74	ppb	40.00	100.00	3600	
Ag	107	115	2	0.02	0.02	47.21	ppb	86.68	26.64	900	
Cd	111	115	2	0.07	0.07	4.46	ppb	40.00	0.00	3600	
Sn	120	115	2	0.54	0.54	50.95	ppb	593.40	31.86	3600	
Sb	121	115	2	-0.09	-0.09	-23.30	ppb	73.34	15.74	3600	
Ba	137	115	2	10.07	10.07	8.80	ppb	1740.27	10.97	3600	
W	182	165	2	0.00	0.00	121465.63	ppb	660.07	21.21	3600	
Pt	195	165	2	0.00	0.00	-463.75	ppb	53.34	78.07	3600	
Tl	205	165	2	0.01	0.01	127.50	ppb	146.68	56.77	3600	
Pb	208	165	2	0.32	0.32	17.16	ppb	3853.90	12.20	3600	
Th	232	165	2	0.23	0.23	9.85	ppb	2600.47	8.10	3600	
U	238	165	2	3.12	3.12	4.32	ppb	36772.20	4.06	3600	

QC ISTD Table

Element	m/z	Tune Step	CPS	%RSD	Ref CPS	%Rec	Lower Limit	Upper Limit	QC Flag
Li6	6	1	646037	0.64	875670	73.8	60	125	
Sc (IS)	45	2	471709	3.00	566157	83.3	60	125	
Ge (IS)	72	1	9765439	0.91	12633047	77.3	60	125	
Ge (IS)	72	2	682794	2.00	792866	86.1	60	125	
115In	115	2	2385273	2.40	2594197	91.9	60	125	
Ho-165	165	2	16187492	1.52	17194663	94.1	60	125	

TuneStep	TuneFile	TuneDate
1	h2_hmi.u	5/1/2012 5:25:00 PM
2	he_hmi.u	5/1/2012 5:25:00 PM

Sample Report

Sample Name	280-28267-D-1-E MS
Data File Name	077SMPL.D
DataPath	d:\DATA\050112a.B
Acq Date Time	2012-05-01T17:29:57-06:00
Type	Sample
VialNumber	4407
Dilution	1
Comment	117485 6020
Operator	LMT
ISTDRefDataFileName	003CALB.D
SamplePassFail	Pass
ISTD PassFail	Pass

QC Analyte Table

Element	m/z	ISTD	Tune Step	Meas Value	FinalConc	%RSD	Units	CPS	CPS %RSD	High Value	QC Flag
Be	9	6	1	38.66	38.66	3.71	ppb	6729.64	3.71	3600	
Na	23	45	2	304690.63	304690.63	1.47	ppb	35894300.30	1.00	1800000	
Mg	24	45	2	48637.38	48637.38	1.14	ppb	2339416.06	1.11	450000	
Al	27	45	2	2714.38	2714.38	2.98	ppb	24765.37	3.25	450000	
K	39	45	2	3200.19	3200.19	1.32	ppb	66837.41	1.84	180000	
Ca	44	45	2	168598.74	168598.74	2.28	ppb	194316.41	1.66	450000	
V	51	72	2	48.88	48.88	3.99	ppb	28961.23	2.89	3600	
Cr	52	72	2	45.31	45.31	2.34	ppb	40694.82	2.01	3600	
Mn	55	72	2	153.45	153.45	1.19	ppb	45372.52	1.97	3600	
Fe	57	72	2	3740.30	3740.30	4.30	ppb	65949.93	4.04	90000	
Co	59	72	2	40.27	40.27	1.34	ppb	74214.77	0.50	3600	
Ni	60	72	2	42.26	42.26	5.43	ppb	23309.96	6.53	3600	
Cu	63	72	2	38.02	38.02	1.85	ppb	62760.30	0.76	3600	
Zn	66	72	2	45.20	45.20	3.17	ppb	6274.97	2.12	3600	
As	75	72	2	35.83	35.83	4.35	ppb	2663.64	4.12	3600	
Se	78	72	1	239.69	239.69	1.26	ppb	59077.91	1.03	3600	
Nb	93	72	2	0.06	0.06	159.72	ppb	486.73	41.98	7200	
Mo	95	115	2	38.86	38.86	0.45	ppb	27483.57	0.58	3600	
Pd	105	115	2	-0.02	-0.02	0.00	ppb	0.00	#DIV/0!	3600	
Ag	107	115	2	34.09	34.09	1.60	ppb	108753.93	2.15	900	
Cd	111	115	2	36.86	36.86	5.14	ppb	11431.34	5.69	3600	
Sn	120	115	2	25.22	25.22	2.27	ppb	17663.88	2.30	3600	
Sb	121	115	2	36.40	36.40	1.05	ppb	16656.10	0.49	3600	
Ba	137	115	2	79.39	79.39	4.49	ppb	13299.73	4.97	3600	
W	182	165	2	0.08	0.08	3.53	ppb	1033.46	1.12	3600	
Pt	195	165	2	-0.01	-0.01	-104.75	ppb	33.34	91.66	3600	
Tl	205	165	2	38.14	38.14	0.56	ppb	283164.79	0.08	3600	
Pb	208	165	2	38.86	38.86	1.47	ppb	366257.45	1.04	3600	
Th	232	165	2	40.43	40.43	0.79	ppb	380614.51	0.30	3600	
U	238	165	2	55.26	55.26	0.92	ppb	643792.72	0.44	3600	

QC ISTD Table

Element	m/z	Tune Step	CPS	%RSD	Ref CPS	%Rec	Lower Limit	Upper Limit	QC Flag
Li6	6	1	604786	0.93	875670	69.1	60	125	
Sc (IS)	45	2	494208	0.82	566157	87.3	60	125	
Ge (IS)	72	1	8304033	0.49	12633047	65.7	60	125	
Ge (IS)	72	2	660251	1.16	792866	83.3	60	125	
115In	115	2	2335177	0.57	2594197	90.0	60	125	
Ho-165	165	2	16041254	0.49	17194663	93.3	60	125	

TuneStep	TuneFile	TuneDate
1	h2_hmi.u	5/1/2012 5:28:00 PM
2	he_hmi.u	5/1/2012 5:28:00 PM

Sample Report

Sample Name	280-28267-D-1-F MSD
Data File Name	078SMPL.D
DataPath	d:\DATA\050112a.B
Acq Date Time	2012-05-01T17:32:55-06:00
Type	Sample
VialNumber	4408
Dilution	1
Comment	117485 6020
Operator	LMT
ISTDRefDataFileName	003CALB.D
SamplePassFail	Pass
ISTD PassFail	Pass

QC Analyte Table

Element	m/z	ISTD	Tune Step	Meas Value	FinalConc	%RSD	Units	CPS	CPS %RSD	High Value	QC Flag
Be	9	6	1	38.13	38.13	3.66	ppb	6941.40	4.13	3600	
Na	23	45	2	299775.62	299775.62	2.37	ppb	36859533.62	1.20	1800000	
Mg	24	45	2	48192.72	48192.72	3.11	ppb	2419179.55	2.01	450000	
Al	27	45	2	2494.24	2494.24	2.27	ppb	23750.83	1.10	450000	
K	39	45	2	3211.36	3211.36	1.89	ppb	70010.06	2.50	180000	
Ca	44	45	2	168514.76	168514.76	2.94	ppb	202712.27	1.82	450000	
V	51	72	2	49.81	49.81	4.30	ppb	30306.49	3.27	3600	
Cr	52	72	2	44.86	44.86	3.23	ppb	41362.98	2.55	3600	
Mn	55	72	2	158.70	158.70	5.99	ppb	48159.92	4.97	3600	
Fe	57	72	2	3841.55	3841.55	3.09	ppb	69550.63	2.93	90000	
Co	59	72	2	40.03	40.03	4.42	ppb	75741.81	3.77	3600	
Ni	60	72	2	39.43	39.43	6.39	ppb	22335.54	6.54	3600	
Cu	63	72	2	38.92	38.92	3.38	ppb	65950.66	2.44	3600	
Zn	66	72	2	44.73	44.73	10.08	ppb	6375.10	8.88	3600	
As	75	72	2	37.85	37.85	8.67	ppb	2887.01	7.90	3600	
Se	78	72	1	239.71	239.71	1.55	ppb	61603.62	0.29	3600	
Nb	93	72	2	0.09	0.09	55.75	ppb	573.39	19.21	7200	
Mo	95	115	2	39.61	39.61	9.15	ppb	28618.74	7.35	3600	
Pd	105	115	2	0.00	0.00	-474.83	ppb	20.00	100.00	3600	
Ag	107	115	2	34.70	34.70	4.33	ppb	113121.95	2.50	900	
Cd	111	115	2	32.87	32.87	2.13	ppb	10424.09	1.64	3600	
Sn	120	115	2	25.49	25.49	2.40	ppb	18251.26	1.79	3600	
Sb	121	115	2	32.92	32.92	9.81	ppb	15394.64	7.93	3600	
Ba	137	115	2	82.49	82.49	4.99	ppb	14120.54	3.51	3600	
W	182	165	2	0.19	0.19	79.90	ppb	1528.29	44.62	3600	
Pt	195	165	2	0.00	0.00	2850.87	ppb	66.67	96.44	3600	
Tl	205	165	2	37.28	37.28	2.63	ppb	283120.54	1.38	3600	
Pb	208	165	2	38.85	38.85	1.45	ppb	374610.84	0.92	3600	
Th	232	165	2	40.31	40.31	2.93	ppb	388114.81	1.22	3600	
U	238	165	2	54.83	54.83	4.32	ppb	653186.80	2.63	3600	

QC ISTD Table

Element	m/z	Tune Step	CPS	%RSD	Ref CPS	%Rec	Lower Limit	Upper Limit	QC Flag
Li6	6	1	632335	0.72	875670	72.2	60	125	
Sc (IS)	45	2	515882	1.18	566157	91.1	60	125	
Ge (IS)	72	1	8658962	1.27	12633047	68.5	60	125	
Ge (IS)	72	2	677941	1.06	792866	85.5	60	125	
115In	115	2	2387959	1.85	2594197	92.1	60	125	
Ho-165	165	2	16410759	1.76	17194663	95.4	60	125	

TuneStep	TuneFile	TuneDate
1	h2_hmi.u	5/1/2012 5:31:00 PM
2	he_hmi.u	5/1/2012 5:31:00 PM

Sample Report

Sample Name	280-28267-D-1-D pds
Data File Name	079SMPL.D
DataPath	d:\DATA\050112a.B
Acq Date Time	2012-05-01T17:35:56-06:00
Type	Sample
VialNumber	4409
Dilution	1
Comment	117485 6020
Operator	LMT
ISTDRefDataFileName	003CALB.D
SamplePassFail	Pass
ISTD PassFail	Pass

QC Analyte Table

Element	m/z	ISTD	Tune Step	Meas Value	FinalConc	%RSD	Units	CPS	CPS %RSD	High Value	QC Flag
Be	9	6	1	186.90	186.90	3.80	ppb	34800.20	3.25	3600	
Na	23	45	2	290445.17	290445.17	0.45	ppb	36484335.29	0.40	1800000	
Mg	24	45	2	46381.30	46381.30	1.04	ppb	2378711.16	1.11	450000	
Al	27	45	2	2626.33	2626.33	4.21	ppb	25553.35	4.86	450000	
K	39	45	2	3119.45	3119.45	2.53	ppb	69483.56	2.20	180000	
Ca	44	45	2	162079.05	162079.05	0.32	ppb	199202.22	1.16	450000	
V	51	72	2	213.86	213.86	1.48	ppb	130721.64	1.41	3600	
Cr	52	72	2	200.09	200.09	3.52	ppb	184942.86	3.36	3600	
Mn	55	72	2	319.07	319.07	1.08	ppb	97149.40	0.62	3600	
Fe	57	72	2	3886.55	3886.55	2.71	ppb	70628.85	3.09	90000	
Co	59	72	2	196.33	196.33	1.56	ppb	372644.34	1.28	3600	
Ni	60	72	2	187.25	187.25	1.42	ppb	105878.05	1.95	3600	
Cu	63	72	2	183.06	183.06	1.14	ppb	307682.81	1.65	3600	
Zn	66	72	2	187.38	187.38	7.37	ppb	26294.68	7.50	3600	
As	75	72	2	184.29	184.29	4.94	ppb	14072.71	5.35	3600	
Se	78	72	1	381.02	381.02	0.92	ppb	99280.58	0.97	3600	
Nb	93	72	2	0.13	0.13	54.54	ppb	673.42	24.19	7200	
Mo	95	115	2	199.95	199.95	1.71	ppb	144853.60	1.64	3600	
Pd	105	115	2	0.01	0.01	479.02	ppb	33.34	124.90	3600	
Ag	107	115	2	153.26	153.26	8.21	ppb	501318.65	8.94	900	
Cd	111	115	2	173.96	173.96	0.72	ppb	55230.66	0.51	3600	
Sn	120	115	2	203.31	203.31	1.08	ppb	144509.06	2.19	3600	
Sb	121	115	2	181.40	181.40	1.95	ppb	84630.54	2.26	3600	
Ba	137	115	2	253.02	253.02	2.08	ppb	43411.68	2.55	3600	
W	182	165	2	0.10	0.10	17.79	ppb	1146.87	7.06	3600	
Pt	195	165	2	0.00	0.00	-257.87	ppb	46.67	98.98	3600	
Tl	205	165	2	186.92	186.92	0.94	ppb	1422516.70	0.17	3600	
Pb	208	165	2	188.66	188.66	1.04	ppb	1819994.82	0.02	3600	
Th	232	165	2	206.11	206.11	1.09	ppb	1987833.51	2.03	3600	
U	238	165	2	216.22	216.22	0.80	ppb	2582181.68	0.29	3600	

QC ISTD Table

Element	m/z	Tune Step	CPS	%RSD	Ref CPS	%Rec	Lower Limit	Upper Limit	QC Flag
Li6	6	1	647168	0.58	875670	73.9	60	125	
Sc (IS)	45	2	526948	0.84	566157	93.1	60	125	
Ge (IS)	72	1	8778707	0.53	12633047	69.5	60	125	
Ge (IS)	72	2	680401	0.53	792866	85.8	60	125	
115In	115	2	2394161	1.20	2594197	92.3	60	125	
Ho-165	165	2	16445981	1.06	17194663	95.6	60	125	

TuneStep	TuneFile	TuneDate
1	h2_hmi.u	5/1/2012 5:34:00 PM
2	he_hmi.u	5/1/2012 5:34:00 PM

Continuing Calibration Verification (CCV) - US EPA Method 6020

Sample Name	ccv-1392320
Data File Name	0806CCV.D
DataPath	d:\DATA\050112a.B
Acq Date Time	2012-05-01T17:38:55-06:00
Type	6-CCV
VialNumber	1107
Dilution	1
Comment	
Operator	LMT
ISTDRefDataFileName	003CALB.D
SamplePassFail	Fail
ISTD PassFail	Pass

QC Analyte Table

Element	m/z	ISTD	Tune Step	Meas Value	%RSD	Units	CPS	CPS%RSD	Exp Value	%Rec	QC Low	QC High	QC Flag
Be	9	6	1	51.24	3.38	ppb	10739.84	3.28	50	102.5	90	110	
Na	23	45	2	4895.43	3.81	ppb	594682.61	0.52	5000	97.9	90	110	
Mg	24	45	2	4934.97	3.98	ppb	243304.00	1.46	5000	98.7	90	110	
Al	27	45	2	5138.64	3.33	ppb	48024.43	0.12	5000	102.8	90	110	
K	39	45	2	5150.57	2.68	ppb	109687.71	1.10	5000	103.0	90	110	
Ca	44	45	2	5612.51	10.33	ppb	6641.79	8.62	5000	112.3	90	110	6-CCV Main Failed
V	51	72	2	51.27	7.12	ppb	33641.41	7.46	50	102.5	90	110	
Cr	52	72	2	48.05	1.96	ppb	47759.48	1.25	50	96.1	90	110	
Mn	55	72	2	51.27	2.56	ppb	16822.63	2.45	50	102.5	90	110	
Fe	57	72	2	4902.61	0.91	ppb	95653.37	1.82	5000	98.1	90	110	
Co	59	72	2	49.50	4.59	ppb	100935.89	3.69	50	99.0	90	110	
Ni	60	72	2	49.31	1.48	ppb	30067.01	2.29	50	98.6	90	110	
Cu	63	72	2	52.19	1.37	ppb	94964.59	1.31	50	104.4	90	110	
Zn	66	72	2	52.77	6.22	ppb	8082.57	6.97	50	105.5	90	110	
As	75	72	2	50.31	1.50	ppb	4134.01	1.09	50	100.6	90	110	
Se	78	72	1	51.06	2.63	ppb	16328.94	2.30	50	102.1	90	110	
Nb	93	72	2	101.65	2.05	ppb	251730.28	1.35	100	101.7	90	110	
Mo	95	115	2	47.02	1.50	ppb	36192.94	2.96	50	94.0	90	110	
Pd	105	115	2	49.81	5.47	ppb	75521.50	4.22	50	99.6	90	110	
Ag	107	115	2	49.37	3.06	ppb	171355.20	1.57	50	98.7	90	110	
Cd	111	115	2	51.10	3.59	ppb	17236.83	3.27	50	102.2	90	110	
Sn	120	115	2	52.96	1.88	ppb	40116.24	0.40	50	105.9	90	110	
Sb	121	115	2	51.32	4.33	ppb	25513.92	5.61	50	102.6	90	110	
Ba	137	115	2	56.04	5.52	ppb	10217.13	4.26	50	112.1	90	110	6-CCV Main Failed
W	182	165	2	50.92	2.30	ppb	247780.36	1.32	50	101.8	90	110	
Pt	195	165	2	48.87	2.34	ppb	215266.98	1.18	50	97.7	90	110	
Tl	205	165	2	51.65	1.81	ppb	410103.24	1.04	50	103.3	90	110	
Pb	208	165	2	51.88	0.64	ppb	522714.57	0.60	50	103.8	90	110	
Th	232	165	2	55.35	3.08	ppb	557091.19	1.85	50	110.7	90	110	6-CCV Main Failed
U	238	165	2	52.76	2.19	ppb	657335.13	1.09	50	105.5	90	110	

QC ISTD Table

Element	m/z	Tune Step	CPS	%RSD	Ref CPS	%Rec	QC Low	QC High	QC Flag
Li6	6	1	728204	0.21	875670	83.2	60	125	
Sc (IS)	45	2	506739	3.35	566157	89.5	60	125	
Ge (IS)	72	1	10768487	0.35	12633047	85.2	60	125	
Ge (IS)	72	2	730754	0.92	792866	92.2	60	125	
115In	115	2	2541650	1.64	2594197	98.0	60	125	
Ho-165	165	2	17157166	1.21	17194663	99.8	60	125	

TuneStep	TuneFile
1	h2_hmi.u
2	he_hmi.u

Continuing Calibration Blank (CCB) - US EPA Method 6020

Sample Name	ccb-1392356
Data File Name	0816CCB.D
DataPath	d:\DATA\050112a.B
Acq Date Time	2012-05-01T17:41:54-06:00
Type	6-CCB
VialNumber	1307
Dilution	1
Comment	
Operator	LMT
ISTDRefDataFileName	003CALB.D
SamplePassFail	Fail
ISTD PassFail	Pass

QC Analyte Table

Element	m/z	ISTD	Tune Step	Meas Value	%RSD	Units	CPS	CPS %RSD	QC High	QC Flag
Be	9	6	1	0.01	412.62	ppb	5.00	100.00	1	
Na	23	45	2	28.68	10.72	ppb	6955.17	4.79	20	6-CCB Main Failed
Mg	24	45	2	2.30	122.70	ppb	226.69	58.75	20	
Al	27	45	2	0.98	398.34	ppb	20.00	173.21	20	
K	39	45	2	2.94	201.79	ppb	906.77	12.54	20	
Ca	44	45	2	-3.28	-313.01	ppb	13.33	86.60	20	
V	51	72	2	0.05	280.01	ppb	-0.91	-9269.99	1	
Cr	52	72	2	-0.04	-55.36	ppb	40.00	50.01	1	
Mn	55	72	2	0.09	81.51	ppb	93.34	24.74	1	
Fe	57	72	2	2.62	320.17	ppb	166.68	93.21	20	
Co	59	72	2	-0.01	-211.37	ppb	40.00	100.00	1	
Ni	60	72	2	-0.06	-38.23	ppb	126.68	9.12	1	
Cu	63	72	2	0.01	1443.50	ppb	1046.79	25.45	1	
Zn	66	72	2	0.06	607.20	ppb	180.02	29.39	5	
As	75	72	2	-0.11	-67.68	ppb	3.33	173.21	5	
Se	78	72	1	0.06	75.42	ppb	28.00	49.49	5	
Nb	93	72	2	0.51	21.56	ppb	1586.92	15.96	5	
Mo	95	115	2	0.04	2.25	ppb	60.01	0.00	1	
Pd	105	115	2	0.02	56.92	ppb	60.01	33.34	1	
Ag	107	115	2	0.25	8.28	ppb	880.10	8.19	1	
Cd	111	115	2	0.00	1581.71	ppb	20.00	100.00	1	
Sn	120	115	2	0.43	27.63	ppb	533.39	15.16	5	
Sb	121	115	2	-0.03	-334.24	ppb	106.67	39.03	0.2	
Ba	137	115	2	-0.03	-413.23	ppb	13.33	173.21	1	
W	182	165	2	0.07	92.46	ppb	1000.13	29.87	1	
Pt	195	165	2	0.00	509.45	ppb	73.34	56.78	1	
Tl	205	165	2	0.04	13.94	ppb	413.38	11.18	1	
Pb	208	165	2	0.03	48.27	ppb	1173.46	14.50	1	
Th	232	165	2	0.11	13.29	ppb	1473.56	9.54	1	
U	238	165	2	0.03	82.11	ppb	446.71	61.12	1	

QC ISTD Table

Element	m/z	Tune Step	CPS	%RSD	Ref CPS	%Rec	QC Low	QC High	QC Flag
Li6	6	1	657352	0.30	875670	75.1	60	125	
Sc (IS)	45	2	480086	0.76	566157	84.8	60	125	
Ge (IS)	72	1	10041088	0.62	12633047	79.5	60	125	
Ge (IS)	72	2	703706	0.89	792866	88.8	60	125	
115In	115	2	2461637	1.06	2594197	94.9	60	125	
Ho-165	165	2	16745446	0.45	17194663	97.4	60	125	

TuneStep	TuneFile
1	h2_hmi.u
2	he_hmi.u

Sample Report

Sample Name	280-28283-A-8-B
Data File Name	082SMPL.D
DataPath	d:\DATA\050112a.B
Acq Date Time	2012-05-01T17:44:55-06:00
Type	Sample
VialNumber	4410
Dilution	1
Comment	117485 6020
Operator	LMT
ISTDRefDataFileName	003CALB.D
SamplePassFail	Pass
ISTD PassFail	Pass

QC Analyte Table

Element	m/z	ISTD	Tune Step	Meas Value	FinalConc	%RSD	Units	CPS	CPS %RSD	High Value	QC Flag
Be	9	6	1	0.09	0.09	52.36	ppb	20.00	43.30	3600	
Na	23	45	2	23848.23	23848.23	5.13	ppb	2749831.21	1.28	1800000	
Mg	24	45	2	3516.50	3516.50	8.94	ppb	165283.86	5.14	450000	
Al	27	45	2	929.89	929.89	20.56	ppb	8276.71	17.48	450000	
K	39	45	2	1345.04	1345.04	6.34	ppb	27949.87	3.09	180000	
Ca	44	45	2	5656.71	5656.71	12.14	ppb	6381.65	9.28	450000	
V	51	72	2	0.63	0.63	31.58	ppb	363.05	33.60	3600	
Cr	52	72	2	0.60	0.60	13.21	ppb	640.07	13.62	3600	
Mn	55	72	2	54.64	54.64	7.82	ppb	17049.30	5.51	3600	
Fe	57	72	2	7178.58	7178.58	8.31	ppb	133142.27	5.76	90000	
Co	59	72	2	0.88	0.88	5.75	ppb	1773.60	5.68	3600	
Ni	60	72	2	0.97	0.97	33.67	ppb	713.42	23.85	3600	
Cu	63	72	2	0.41	0.41	9.19	ppb	1726.91	2.41	3600	
Zn	66	72	2	0.60	0.60	142.39	ppb	253.36	46.26	3600	
As	75	72	2	17.94	17.94	15.12	ppb	1410.12	14.24	3600	
Se	78	72	1	0.08	0.08	69.83	ppb	32.00	50.00	3600	
Nb	93	72	2	0.41	0.41	15.54	ppb	1346.94	10.12	7200	
Mo	95	115	2	0.02	0.02	62.85	ppb	46.67	24.75	3600	
Pd	105	115	2	0.01	0.01	136.22	ppb	46.67	65.47	3600	
Ag	107	115	2	0.03	0.03	52.98	ppb	133.35	43.30	900	
Cd	111	115	2	0.21	0.21	19.28	ppb	86.68	13.32	3600	
Sn	120	115	2	0.03	0.03	310.47	ppb	246.69	30.70	3600	
Sb	121	115	2	-0.03	-0.03	-450.09	ppb	106.68	70.99	3600	
Ba	137	115	2	151.23	151.23	12.91	ppb	26803.12	7.81	3600	
W	182	165	2	0.06	0.06	71.58	ppb	973.45	25.86	3600	
Pt	195	165	2	-0.01	-0.01	-84.28	ppb	40.00	50.00	3600	
Tl	205	165	2	0.05	0.05	24.21	ppb	446.72	18.10	3600	
Pb	208	165	2	0.61	0.61	11.01	ppb	6768.00	5.03	3600	
Th	232	165	2	0.64	0.64	11.87	ppb	6695.53	7.80	3600	
U	238	165	2	0.06	0.06	20.44	ppb	906.83	16.71	3600	

QC ISTD Table

Element	m/z	Tune Step	CPS	%RSD	Ref CPS	%Rec	Lower Limit	Upper Limit	QC Flag
Li6	6	1	618406	1.03	875670	70.6	60	125	
Sc (IS)	45	2	483746	3.97	566157	85.4	60	125	
Ge (IS)	72	1	9287318	0.83	12633047	73.5	60	125	
Ge (IS)	72	2	695982	2.59	792866	87.8	60	125	
115In	115	2	2483659	5.32	2594197	95.7	60	125	
Ho-165	165	2	16787058	4.85	17194663	97.6	60	125	

TuneStep	TuneFile	TuneDate
1	h2_hmi.u	5/1/2012 5:43:00 PM
2	he_hmi.u	5/1/2012 5:43:00 PM

Sample Report

Sample Name	280-28283-A-9-B
Data File Name	083SMPL.D
DataPath	d:\DATA\050112a.B
Acq Date Time	2012-05-01T17:47:56-06:00
Type	Sample
VialNumber	4411
Dilution	1
Comment	117485 6020
Operator	LMT
ISTDRefDataFileName	003CALB.D
SamplePassFail	Pass
ISTD PassFail	Pass

QC Analyte Table

Element	m/z	ISTD	Tune Step	Meas Value	FinalConc	%RSD	Units	CPS	CPS %RSD	High Value	QC Flag
Be	9	6	1	0.46	0.46	18.95	ppb	83.33	18.33	3600	
Na	23	45	2	9450.30	9450.30	1.02	ppb	1070980.40	1.22	1800000	
Mg	24	45	2	670.84	670.84	5.77	ppb	31054.30	5.90	450000	
Al	27	45	2	2082.35	2082.35	4.48	ppb	18218.65	4.72	450000	
K	39	45	2	1329.44	1329.44	2.00	ppb	27110.02	2.11	180000	
Ca	44	45	2	1058.61	1058.61	19.02	ppb	1186.81	18.94	450000	
V	51	72	2	3.63	3.63	12.78	ppb	2190.64	12.83	3600	
Cr	52	72	2	2.58	2.58	12.49	ppb	2460.40	12.03	3600	
Mn	55	72	2	10.00	10.00	14.02	ppb	3107.24	13.81	3600	
Fe	57	72	2	580.59	580.59	8.83	ppb	10651.43	8.70	90000	
Co	59	72	2	0.50	0.50	22.41	ppb	1006.79	21.24	3600	
Ni	60	72	2	1.11	1.11	45.26	ppb	780.09	36.17	3600	
Cu	63	72	2	0.62	0.62	33.30	ppb	2040.28	17.01	3600	
Zn	66	72	2	2.49	2.49	91.29	ppb	513.39	61.89	3600	
As	75	72	2	2.73	2.73	12.73	ppb	220.01	12.03	3600	
Se	78	72	1	0.65	0.65	76.92	ppb	188.04	72.83	3600	
Nb	93	72	2	0.51	0.51	41.02	ppb	1547.97	31.24	7200	
Mo	95	115	2	0.08	0.08	81.47	ppb	93.34	53.93	3600	
Pd	105	115	2	-0.02	-0.02	0.00	ppb	0.00	#DIV/0!	3600	
Ag	107	115	2	0.02	0.02	54.69	ppb	100.01	34.64	900	
Cd	111	115	2	0.19	0.19	32.94	ppb	80.01	25.00	3600	
Sn	120	115	2	0.09	0.09	123.20	ppb	286.70	28.20	3600	
Sb	121	115	2	-0.01	-0.01	-681.96	ppb	113.35	36.74	3600	
Ba	137	115	2	45.55	45.55	6.84	ppb	8015.95	6.49	3600	
W	182	165	2	0.06	0.06	28.44	ppb	946.78	8.54	3600	
Pt	195	165	2	-0.01	-0.01	-78.64	ppb	20.00	173.21	3600	
Tl	205	165	2	0.08	0.08	28.66	ppb	660.08	24.80	3600	
Pb	208	165	2	0.78	0.78	2.57	ppb	8355.02	2.45	3600	
Th	232	165	2	0.57	0.57	6.21	ppb	5875.57	5.52	3600	
U	238	165	2	0.31	0.31	12.47	ppb	3834.19	12.38	3600	

QC ISTD Table

Element	m/z	Tune Step	CPS	%RSD	Ref CPS	%Rec	Lower Limit	Upper Limit	QC Flag
Li6	6	1	608828	0.39	875670	69.5	60	125	
Sc (IS)	45	2	473828	0.26	566157	83.7	60	125	
Ge (IS)	72	1	9339934	0.89	12633047	73.9	60	125	
Ge (IS)	72	2	680678	0.14	792866	85.9	60	125	
115In	115	2	2451364	0.73	2594197	94.5	60	125	
Ho-165	165	2	16482489	0.29	17194663	95.9	60	125	

TuneStep	TuneFile	TuneDate
1	h2_hmi.u	5/1/2012 5:46:00 PM
2	he_hmi.u	5/1/2012 5:46:00 PM

Sample Report

Sample Name	280-28283-A-10-B
Data File Name	084SMPL.D
DataPath	d:\DATA\050112a.B
Acq Date Time	2012-05-01T17:50:57-06:00
Type	Sample
VialNumber	4412
Dilution	1
Comment	117485 6020
Operator	LMT
ISTDRefDataFileName	003CALB.D
SamplePassFail	Pass
ISTD PassFail	Pass

QC Analyte Table

Element	m/z	ISTD	Tune Step	Meas Value	FinalConc	%RSD	Units	CPS	CPS %RSD	High Value	QC Flag
Be	9	6	1	0.37	0.37	16.62	ppb	65.00	15.38	3600	
Na	23	45	2	7293.88	7293.88	0.53	ppb	792232.36	0.63	1800000	
Mg	24	45	2	854.31	854.31	3.99	ppb	37833.85	4.08	450000	
Al	27	45	2	146.88	146.88	26.20	ppb	1240.16	25.96	450000	
K	39	45	2	1535.36	1535.36	4.24	ppb	29853.02	4.15	180000	
Ca	44	45	2	1856.77	1856.77	19.44	ppb	1980.31	19.19	450000	
V	51	72	2	0.17	0.17	66.57	ppb	69.60	93.92	3600	
Cr	52	72	2	0.19	0.19	12.36	ppb	240.02	8.33	3600	
Mn	55	72	2	7.09	7.09	4.58	ppb	2153.66	5.12	3600	
Fe	57	72	2	197.76	197.76	1.75	ppb	3587.35	1.16	90000	
Co	59	72	2	1.77	1.77	11.70	ppb	3300.56	11.11	3600	
Ni	60	72	2	2.20	2.20	13.13	ppb	1353.51	11.19	3600	
Cu	63	72	2	0.66	0.66	12.68	ppb	2040.31	6.43	3600	
Zn	66	72	2	5.18	5.18	20.82	ppb	860.10	16.28	3600	
As	75	72	2	0.93	0.93	66.86	ppb	80.00	57.29	3600	
Se	78	72	1	0.03	0.03	139.60	ppb	16.00	66.14	3600	
Nb	93	72	2	0.01	0.01	357.30	ppb	380.03	18.98	7200	
Mo	95	115	2	0.01	0.01	371.61	ppb	40.00	86.60	3600	
Pd	105	115	2	-0.02	-0.02	0.00	ppb	0.00	#DIV/0!	3600	
Ag	107	115	2	0.00	0.00	-315.88	ppb	26.67	114.56	900	
Cd	111	115	2	0.07	0.07	91.58	ppb	40.00	50.01	3600	
Sn	120	115	2	0.14	0.14	31.12	ppb	313.37	9.75	3600	
Sb	121	115	2	-0.11	-0.11	-85.69	ppb	66.67	62.45	3600	
Ba	137	115	2	54.82	54.82	7.37	ppb	9336.59	7.19	3600	
W	182	165	2	0.02	0.02	180.18	ppb	760.10	23.39	3600	
Pt	195	165	2	-0.01	-0.01	-46.45	ppb	13.33	173.21	3600	
Tl	205	165	2	0.13	0.13	10.96	ppb	1086.82	10.47	3600	
Pb	208	165	2	2.09	2.09	0.52	ppb	20760.64	0.82	3600	
Th	232	165	2	0.27	0.27	2.98	ppb	2960.55	2.34	3600	
U	238	165	2	0.08	0.08	21.10	ppb	1026.80	18.92	3600	

QC ISTD Table

Element	m/z	Tune Step	CPS	%RSD	Ref CPS	%Rec	Lower Limit	Upper Limit	QC Flag
Li6	6	1	576726	0.83	875670	65.9	60	125	
Sc (IS)	45	2	453678	0.11	566157	80.1	60	125	
Ge (IS)	72	1	8867060	0.59	12633047	70.2	60	125	
Ge (IS)	72	2	659360	0.66	792866	83.2	60	125	
115In	115	2	2373271	0.24	2594197	91.5	60	125	
Ho-165	165	2	16273019	0.36	17194663	94.6	60	125	

TuneStep	TuneFile	TuneDate
1	h2_hmi.u	5/1/2012 5:49:00 PM
2	he_hmi.u	5/1/2012 5:49:00 PM

Sample Report

Sample Name	280-28283-A-11-B
Data File Name	085SMPL.D
DataPath	d:\DATA\050112a.B
Acq Date Time	2012-05-01T17:53:58-06:00
Type	Sample
VialNumber	4501
Dilution	1
Comment	117485 6020
Operator	LMT
ISTDRefDataFileName	003CALB.D
SamplePassFail	Pass
ISTD PassFail	Pass

QC Analyte Table

Element	m/z	ISTD	Tune Step	Meas Value	FinalConc	%RSD	Units	CPS	CPS %RSD	High Value	QC Flag
Be	9	6	1	0.05	0.05	91.10	ppb	11.67	65.47	3600	
Na	23	45	2	5716.92	5716.92	7.37	ppb	623283.75	3.29	1800000	
Mg	24	45	2	473.08	473.08	15.02	ppb	21007.19	11.06	450000	
Al	27	45	2	37.27	37.27	92.24	ppb	320.07	86.84	450000	
K	39	45	2	1477.48	1477.48	6.55	ppb	28838.36	2.21	180000	
Ca	44	45	2	1323.22	1323.22	13.70	ppb	1420.21	12.04	450000	
V	51	72	2	0.46	0.46	94.67	ppb	243.82	105.96	3600	
Cr	52	72	2	1.11	1.11	23.89	ppb	1066.79	20.05	3600	
Mn	55	72	2	1.27	1.27	41.51	ppb	433.38	32.75	3600	
Fe	57	72	2	32.45	32.45	18.11	ppb	686.74	17.56	90000	
Co	59	72	2	0.07	0.07	44.15	ppb	180.02	29.40	3600	
Ni	60	72	2	0.24	0.24	59.21	ppb	280.02	24.74	3600	
Cu	63	72	2	0.23	0.23	84.81	ppb	1346.84	21.74	3600	
Zn	66	72	2	1.16	1.16	64.41	ppb	320.03	32.48	3600	
As	75	72	2	0.17	0.17	259.35	ppb	23.33	137.77	3600	
Se	78	72	1	0.20	0.20	8.67	ppb	60.00	6.67	3600	
Nb	93	72	2	-0.05	-0.05	-106.82	ppb	246.69	47.51	7200	
Mo	95	115	2	-0.02	-0.02	-64.07	ppb	13.33	86.60	3600	
Pd	105	115	2	-0.01	-0.01	-216.79	ppb	13.33	173.21	3600	
Ag	107	115	2	0.00	0.00	-220.63	ppb	26.67	86.60	900	
Cd	111	115	2	-0.01	-0.01	-504.90	ppb	13.33	173.21	3600	
Sn	120	115	2	0.08	0.08	236.41	ppb	273.36	48.72	3600	
Sb	121	115	2	-0.19	-0.19	-25.26	ppb	26.67	86.60	3600	
Ba	137	115	2	29.23	29.23	19.80	ppb	5027.85	16.51	3600	
W	182	165	2	0.03	0.03	112.71	ppb	826.77	24.23	3600	
Pt	195	165	2	-0.01	-0.01	-42.30	ppb	20.00	100.00	3600	
Tl	205	165	2	0.03	0.03	49.98	ppb	293.36	32.22	3600	
Pb	208	165	2	0.11	0.11	13.41	ppb	1933.57	3.63	3600	
Th	232	165	2	0.07	0.07	64.21	ppb	1133.50	37.70	3600	
U	238	165	2	0.14	0.14	2.56	ppb	1840.29	4.98	3600	

QC ISTD Table

Element	m/z	Tune Step	CPS	%RSD	Ref CPS	%Rec	Lower Limit	Upper Limit	QC Flag
Li6	6	1	559465	0.55	875670	63.9	60	125	
Sc (IS)	45	2	455790	4.35	566157	80.5	60	125	
Ge (IS)	72	1	8639833	1.75	12633047	68.4	60	125	
Ge (IS)	72	2	663208	3.76	792866	83.6	60	125	
115In	115	2	2404314	4.19	2594197	92.7	60	125	
Ho-165	165	2	16582783	4.65	17194663	96.4	60	125	

TuneStep	TuneFile	TuneDate
1	h2_hmi.u	5/1/2012 5:52:00 PM
2	he_hmi.u	5/1/2012 5:52:00 PM

Sample Report

Sample Name	280-28286-B-1-B
Data File Name	086SMPL.D
DataPath	d:\DATA\050112a.B
Acq Date Time	2012-05-01T17:56:59-06:00
Type	Sample
VialNumber	4502
Dilution	1
Comment	117485 6020
Operator	LMT
ISTDRefDataFileName	003CALB.D
SamplePassFail	Fail
ISTD PassFail	Pass

QC Analyte Table

Element	m/z	ISTD	Tune Step	Meas Value	FinalConc	%RSD	Units	CPS	CPS%RSD	High Value	QC Flag
Be	9	6	1	0.00	0.00	1415.50	ppb	3.33	173.21	3600	
Na	23	45	2	3162079.55	3162079.55	13.97	ppb	370828674.47	4.19	1800000	Sample Main Failed
Mg	24	45	2	97114.34	97114.34	15.89	ppb	4644007.33	5.85	450000	
Al	27	45	2	41.58	41.58	92.91	ppb	373.37	81.13	450000	
K	39	45	2	14104.51	14104.51	13.62	ppb	290362.81	3.86	180000	
Ca	44	45	2	268064.42	268064.42	14.25	ppb	307491.42	4.14	450000	
V	51	72	2	0.43	0.43	76.84	ppb	191.83	85.49	3600	
Cr	52	72	2	0.19	0.19	60.71	ppb	213.36	46.25	3600	
Mn	55	72	2	291.41	291.41	14.28	ppb	72828.85	5.78	3600	
Fe	57	72	2	1356.90	1356.90	17.44	ppb	20299.53	10.95	90000	
Co	59	72	2	3.08	3.08	15.05	ppb	4847.74	8.72	3600	
Ni	60	72	2	4.52	4.52	8.90	ppb	2226.99	0.52	3600	
Cu	63	72	2	2.41	2.41	15.79	ppb	4134.16	3.88	3600	
Zn	66	72	2	1.86	1.86	54.76	ppb	346.71	29.04	3600	
As	75	72	2	3.18	3.18	31.52	ppb	206.68	21.82	3600	
Se	78	72	1	0.36	0.36	47.30	ppb	70.67	43.97	3600	
Nb	93	72	2	-0.01	-0.01	-569.71	ppb	273.36	47.04	7200	
Mo	95	115	2	1.82	1.82	17.40	ppb	1086.81	15.66	3600	
Pd	105	115	2	0.13	0.13	52.38	ppb	160.02	37.50	3600	
Ag	107	115	2	0.02	0.02	81.85	ppb	80.01	50.00	900	
Cd	111	115	2	0.12	0.12	23.12	ppb	46.67	24.75	3600	
Sn	120	115	2	0.40	0.40	46.47	ppb	400.04	17.32	3600	
Sb	121	115	2	0.22	0.22	91.51	ppb	180.02	44.45	3600	
Ba	137	115	2	43.47	43.47	7.73	ppb	6021.58	3.59	3600	
W	182	165	2	0.05	0.05	56.44	ppb	673.42	24.19	3600	
Pt	195	165	2	0.00	0.00	-62.32	ppb	33.33	34.64	3600	
Tl	205	165	2	0.00	0.00	548.40	ppb	73.34	87.67	3600	
Pb	208	165	2	0.12	0.12	15.97	ppb	1426.82	7.72	3600	
Th	232	165	2	0.13	0.13	46.01	ppb	1213.49	25.02	3600	
U	238	165	2	6.97	6.97	17.75	ppb	61209.04	6.83	3600	

QC ISTD Table

Element	m/z	Tune Step	CPS	%RSD	Ref CPS	%Rec	Lower Limit	Upper Limit	QC Flag
Li6	6	1	513737	1.40	875670	58.7	60	125	IS Main Failed
Sc (IS)	45	2	496669	10.51	566157	87.7	60	125	
Ge (IS)	72	1	6010910	1.09	12633047	47.6	60	125	IS Main Failed
Ge (IS)	72	2	563031	8.92	792866	71.0	60	125	
115In	115	2	1938593	9.82	2594197	74.7	60	125	
Ho-165	165	2	12226513	10.73	17194663	71.1	60	125	

TuneStep	TuneFile	TuneDate
1	h2_hmi.u	5/1/2012 5:55:00 PM
2	he_hmi.u	5/1/2012 5:55:00 PM

Sample Report

Sample Name	280-28286-B-2-B
Data File Name	087SMPL.D
DataPath	d:\DATA\050112a.B
Acq Date Time	2012-05-01T17:59:59-06:00
Type	Sample
VialNumber	4503
Dilution	1
Comment	117485 6020
Operator	LMT
ISTDRefDataFileName	003CALB.D
SamplePassFail	Pass
ISTD PassFail	Pass

QC Analyte Table

Element	m/z	ISTD	Tune Step	Meas Value	FinalConc	%RSD	Units	CPS	CPS %RSD	High Value	QC Flag
Be	9	6	1	0.04	0.04	98.07	ppb	15.00	66.67	3600	
Na	23	45	2	526747.89	526747.89	0.81	ppb	79482873.81	0.29	1800000	
Mg	24	45	2	40748.77	40748.77	1.61	ppb	2510382.46	0.64	450000	
Al	27	45	2	135.25	135.25	11.70	ppb	1593.54	10.68	450000	
K	39	45	2	19412.66	19412.66	1.59	ppb	513597.43	0.60	180000	
Ca	44	45	2	238518.40	238518.40	2.11	ppb	352109.03	1.34	450000	
V	51	72	2	0.22	0.22	100.55	ppb	124.65	127.77	3600	
Cr	52	72	2	0.42	0.42	41.67	ppb	540.06	35.33	3600	
Mn	55	72	2	824.55	824.55	0.18	ppb	293361.15	1.22	3600	
Fe	57	72	2	442.37	442.37	6.79	ppb	9516.61	7.21	90000	
Co	59	72	2	1.42	1.42	10.49	ppb	3227.27	11.27	3600	
Ni	60	72	2	7.58	7.58	14.21	ppb	5181.19	12.90	3600	
Cu	63	72	2	1.03	1.03	8.69	ppb	3180.55	4.91	3600	
Zn	66	72	2	5.90	5.90	38.18	ppb	1153.47	31.04	3600	
As	75	72	2	1.12	1.12	37.02	ppb	113.34	33.41	3600	
Se	78	72	1	0.15	0.15	52.34	ppb	54.67	42.87	3600	
Nb	93	72	2	-0.08	-0.08	-56.83	ppb	206.69	62.97	7200	
Mo	95	115	2	1.56	1.56	9.75	ppb	1313.52	10.14	3600	
Pd	105	115	2	0.00	0.00	-6144.38	ppb	26.67	173.21	3600	
Ag	107	115	2	0.01	0.01	460.88	ppb	60.01	145.30	900	
Cd	111	115	2	0.07	0.07	116.46	ppb	46.67	65.47	3600	
Sn	120	115	2	0.03	0.03	50.48	ppb	266.69	4.33	3600	
Sb	121	115	2	0.04	0.04	323.53	ppb	153.35	45.81	3600	
Ba	137	115	2	196.66	196.66	2.63	ppb	38178.94	1.74	3600	
W	182	165	2	0.01	0.01	143.73	ppb	773.43	13.02	3600	
Pt	195	165	2	-0.01	-0.01	-42.88	ppb	13.33	173.21	3600	
Tl	205	165	2	0.01	0.01	39.36	ppb	206.68	22.35	3600	
Pb	208	165	2	0.35	0.35	6.74	ppb	4427.32	5.39	3600	
Th	232	165	2	0.01	0.01	332.59	ppb	500.05	42.33	3600	
U	238	165	2	1.25	1.25	7.61	ppb	15889.40	7.77	3600	

QC ISTD Table

Element	m/z	Tune Step	CPS	%RSD	Ref CPS	%Rec	Lower Limit	Upper Limit	QC Flag
Li6	6	1	843741	0.71	875670	96.4	60	125	
Sc (IS)	45	2	633038	1.01	566157	111.8	60	125	
Ge (IS)	72	1	10324878	0.34	12633047	81.7	60	125	
Ge (IS)	72	2	795328	1.07	792866	100.3	60	125	
115In	115	2	2709139	0.93	2594197	104.4	60	125	
Ho-165	165	2	17324825	0.36	17194663	100.8	60	125	

TuneStep	TuneFile	TuneDate
1	h2_hmi.u	5/1/2012 5:58:00 PM
2	he_hmi.u	5/1/2012 5:58:00 PM

Sample Report

Sample Name	280-28286-B-3-B
Data File Name	088SMPL.D
DataPath	d:\DATA\050112a.B
Acq Date Time	2012-05-01T18:03:01-06:00
Type	Sample
VialNumber	4504
Dilution	1
Comment	117485 6020
Operator	LMT
ISTDRefDataFileName	003CALB.D
SamplePassFail	Pass
ISTD PassFail	Pass

QC Analyte Table

Element	m/z	ISTD	Tune Step	Meas Value	FinalConc	%RSD	Units	CPS	CPS %RSD	High Value	QC Flag
Be	9	6	1	0.00	0.00	719.86	ppb	5.00	100.00	3600	
Na	23	45	2	1783315.89	1783315.89	9.56	ppb	269837375.98	3.08	1800000	
Mg	24	45	2	47850.55	47850.55	12.29	ppb	2952328.50	5.08	450000	
Al	27	45	2	74.52	74.52	45.03	ppb	873.44	36.52	450000	
K	39	45	2	11309.66	11309.66	7.51	ppb	300876.44	2.85	180000	
Ca	44	45	2	196659.71	196659.71	11.01	ppb	290964.49	4.37	450000	
V	51	72	2	1.21	1.21	13.82	ppb	775.04	17.21	3600	
Cr	52	72	2	0.34	0.34	67.53	ppb	413.38	48.46	3600	
Mn	55	72	2	176.57	176.57	8.84	ppb	58356.65	2.83	3600	
Fe	57	72	2	865.93	865.93	17.65	ppb	17109.74	11.36	90000	
Co	59	72	2	0.54	0.54	28.79	ppb	1160.15	20.98	3600	
Ni	60	72	2	2.39	2.39	5.22	ppb	1640.20	9.53	3600	
Cu	63	72	2	1.53	1.53	10.77	ppb	3867.41	1.82	3600	
Zn	66	72	2	23.32	23.32	9.92	ppb	3707.40	4.05	3600	
As	75	72	2	1.03	1.03	60.65	ppb	96.67	51.03	3600	
Se	78	72	1	0.16	0.16	34.24	ppb	49.33	24.77	3600	
Nb	93	72	2	-0.02	-0.02	-181.82	ppb	360.04	14.70	7200	
Mo	95	115	2	0.86	0.86	30.59	ppb	660.07	23.67	3600	
Pd	105	115	2	0.08	0.08	43.91	ppb	140.02	42.85	3600	
Ag	107	115	2	0.00	0.00	-194.90	ppb	33.33	34.64	900	
Cd	111	115	2	0.12	0.12	253.09	ppb	53.34	173.21	3600	
Sn	120	115	2	0.11	0.11	172.35	ppb	293.36	39.95	3600	
Sb	121	115	2	0.21	0.21	68.78	ppb	220.02	32.78	3600	
Ba	137	115	2	802.96	802.96	14.35	ppb	139942.51	5.17	3600	
W	182	165	2	0.11	0.11	60.80	ppb	1113.47	20.67	3600	
Pt	195	165	2	-0.01	-0.01	-54.74	ppb	20.00	100.00	3600	
Tl	205	165	2	0.00	0.00	253.18	ppb	113.34	73.47	3600	
Pb	208	165	2	0.55	0.55	16.05	ppb	5740.96	7.45	3600	
Th	232	165	2	0.05	0.05	14.14	ppb	880.11	2.27	3600	
U	238	165	2	0.32	0.32	12.96	ppb	3640.80	5.94	3600	

QC ISTD Table

Element	m/z	Tune Step	CPS	%RSD	Ref CPS	%Rec	Lower Limit	Upper Limit	QC Flag
Li6	6	1	750303	3.21	875670	85.7	60	125	
Sc (IS)	45	2	637583	7.01	566157	112.6	60	125	
Ge (IS)	72	1	8647677	4.47	12633047	68.5	60	125	
Ge (IS)	72	2	740671	5.81	792866	93.4	60	125	
115In	115	2	2453644	8.96	2594197	94.6	60	125	
Ho-165	165	2	15530239	6.89	17194663	90.3	60	125	

TuneStep	TuneFile	TuneDate
1	h2_hmi.u	5/1/2012 6:01:00 PM
2	he_hmi.u	5/1/2012 6:01:00 PM

Sample Report

Sample Name	280-28286-B-4-B
Data File Name	089SMPL.D
DataPath	d:\DATA\050112a.B
Acq Date Time	2012-05-01T18:06:02-06:00
Type	Sample
VialNumber	4505
Dilution	1
Comment	117485 6020
Operator	LMT
ISTDRefDataFileName	003CALB.D
SamplePassFail	Fail
ISTD PassFail	Pass

QC Analyte Table

Element	m/z	ISTD	Tune Step	Meas Value	FinalConc	%RSD	Units	CPS	CPS%RSD	High Value	QC Flag
Be	9	6	1	0.02	0.02	322.18	ppb	8.33	173.21	3600	
Na	23	45	2	5044813.15	5044813.15	0.49	ppb	751714122.13	3.15	1800000	Sample Main Failed
Mg	24	45	2	155222.32	155222.32	0.82	ppb	9442889.23	2.76	450000	
Al	27	45	2	91.67	91.67	21.75	ppb	1066.80	17.72	450000	
K	39	45	2	19345.80	19345.80	0.71	ppb	505616.97	4.21	180000	
Ca	44	45	2	394808.43	394808.43	0.51	ppb	575595.60	3.11	450000	
V	51	72	2	0.81	0.81	47.10	ppb	423.38	48.65	3600	
Cr	52	72	2	0.63	0.63	38.55	ppb	600.07	31.80	3600	
Mn	55	72	2	335.28	335.28	0.79	ppb	93174.10	2.92	3600	
Fe	57	72	2	496.09	496.09	5.94	ppb	8322.71	7.50	90000	
Co	59	72	2	1.18	1.18	10.49	ppb	2093.67	12.17	3600	
Ni	60	72	2	1.84	1.84	2.37	ppb	1086.79	3.83	3600	
Cu	63	72	2	5.22	5.22	4.59	ppb	8889.53	4.33	3600	
Zn	66	72	2	4.82	4.82	31.10	ppb	766.75	26.64	3600	
As	75	72	2	0.04	0.04	523.45	ppb	13.33	114.56	3600	
Se	78	72	1	0.82	0.82	31.22	ppb	164.01	31.14	3600	
Nb	93	72	2	-0.01	-0.01	-562.95	ppb	320.03	33.07	7200	
Mo	95	115	2	1.31	1.31	26.40	ppb	793.43	24.23	3600	
Pd	105	115	2	0.18	0.18	15.01	ppb	233.35	13.09	3600	
Ag	107	115	2	0.02	0.02	28.10	ppb	73.34	15.74	900	
Cd	111	115	2	0.12	0.12	97.73	ppb	46.67	65.47	3600	
Sn	120	115	2	0.61	0.61	34.75	ppb	526.72	22.89	3600	
Sb	121	115	2	0.12	0.12	41.10	ppb	140.01	14.29	3600	
Ba	137	115	2	270.45	270.45	3.15	ppb	37570.11	2.12	3600	
W	182	165	2	0.02	0.02	63.11	ppb	533.40	5.73	3600	
Pt	195	165	2	-0.01	-0.01	-123.32	ppb	26.67	86.60	3600	
Tl	205	165	2	0.01	0.01	128.86	ppb	100.01	52.92	3600	
Pb	208	165	2	0.32	0.32	8.24	ppb	2727.04	8.18	3600	
Th	232	165	2	0.06	0.06	37.59	ppb	693.43	23.50	3600	
U	238	165	2	0.73	0.73	8.34	ppb	6195.16	9.23	3600	

QC ISTD Table

Element	m/z	Tune Step	CPS	%RSD	Ref CPS	%Rec	Lower Limit	Upper Limit	QC Flag
Li6	6	1	674335	0.73	875670	77.0	60	125	
Sc (IS)	45	2	625184	3.52	566157	110.4	60	125	
Ge (IS)	72	1	6438337	1.94	12633047	51.0	60	125	IS Main Failed
Ge (IS)	72	2	620931	2.19	792866	78.3	60	125	
115In	115	2	1939028	1.50	2594197	74.7	60	125	
Ho-165	165	2	11553046	1.88	17194663	67.2	60	125	

TuneStep	TuneFile	TuneDate
1	h2_hmi.u	5/1/2012 6:04:00 PM
2	he_hmi.u	5/1/2012 6:04:00 PM

Sample Report

Sample Name	280-28286-B-5-B
Data File Name	090SMPL.D
DataPath	d:\DATA\050112a.B
Acq Date Time	2012-05-01T18:09:08-06:00
Type	Sample
VialNumber	4506
Dilution	1
Comment	117485 6020
Operator	LMT
ISTDRefDataFileName	003CALB.D
SamplePassFail	Fail
ISTD PassFail	Pass

QC Analyte Table

Element	m/z	ISTD	Tune Step	Meas Value	FinalConc	%RSD	Units	CPS	CPS%RSD	High Value	QC Flag
Be	9	6	1	0.07	0.07	125.27	ppb	13.33	94.37	3600	
Na	23	45	2	16619183.22	16619183.22	4.12	ppb	2008728236.73	2.33	1800000	Sample Main Failed
Mg	24	45	2	908765.55	908765.55	4.18	ppb	44851572.66	2.94	450000	Sample Main Failed
Al	27	45	2	1283.69	1283.69	9.51	ppb	12024.99	9.43	450000	
K	39	45	2	57216.69	57216.69	3.85	ppb	1211945.94	5.35	180000	
Ca	44	45	2	2126506.98	2126506.98	2.95	ppb	2516045.01	3.57	450000	Sample Main Failed
V	51	72	2	4.32	4.32	51.48	ppb	1476.15	47.26	3600	
Cr	52	72	2	20.45	20.45	4.35	ppb	10904.08	0.84	3600	
Mn	55	72	2	2519.16	2519.16	4.86	ppb	440608.92	2.90	3600	
Fe	57	72	2	23295.71	23295.71	3.41	ppb	243057.73	2.78	90000	
Co	59	72	2	6.93	6.93	6.17	ppb	7588.87	1.33	3600	
Ni	60	72	2	17.41	17.41	8.86	ppb	5741.40	8.89	3600	
Cu	63	72	2	10.88	10.88	2.77	ppb	11050.98	2.51	3600	
Zn	66	72	2	17.37	17.37	25.14	ppb	1500.21	28.10	3600	
As	75	72	2	5.11	5.11	40.35	ppb	233.35	43.35	3600	
Se	78	72	1	5.23	5.23	16.99	ppb	574.68	11.49	3600	
Nb	93	72	2	0.13	0.13	81.21	ppb	393.39	40.79	7200	
Mo	95	115	2	5.47	5.47	9.80	ppb	1900.28	7.59	3600	
Pd	105	115	2	2.13	2.13	23.33	ppb	1460.22	22.64	3600	
Ag	107	115	2	0.00	0.00	1669.60	ppb	20.00	173.21	900	
Cd	111	115	2	0.79	0.79	44.05	ppb	126.68	36.47	3600	
Sn	120	115	2	1.38	1.38	43.68	ppb	566.74	35.36	3600	
Sb	121	115	2	2.57	2.57	6.32	ppb	626.74	8.03	3600	
Ba	137	115	2	350.63	350.63	7.58	ppb	28606.47	3.58	3600	
W	182	165	2	0.16	0.16	26.00	ppb	526.73	11.60	3600	
Pt	195	165	2	0.00	0.00	705.61	ppb	26.67	86.60	3600	
Tl	205	165	2	0.05	0.05	40.48	ppb	160.01	33.07	3600	
Pb	208	165	2	5.76	5.76	5.65	ppb	20974.29	6.68	3600	
Th	232	165	2	0.37	0.37	10.72	ppb	1486.89	8.22	3600	
U	238	165	2	1.78	1.78	5.25	ppb	7962.81	8.08	3600	

QC ISTD Table

Element	m/z	Tune Step	CPS	%RSD	Ref CPS	%Rec	Lower Limit	Upper Limit	QC Flag
Li6	6	1	544966	5.18	875670	62.2	60	125	
Sc (IS)	45	2	507720	5.10	566157	89.7	60	125	
Ge (IS)	72	1	3704665	5.39	12633047	29.3	60	125	IS Main Failed
Ge (IS)	72	2	391590	5.09	792866	49.4	60	125	IS Main Failed
115In	115	2	1140913	4.06	2594197	44.0	60	125	IS Main Failed
Ho-165	165	2	6117986	3.45	17194663	35.6	60	125	IS Main Failed

TuneStep	TuneFile	TuneDate
1	h2_hmi.u	5/1/2012 6:07:00 PM
2	he_hmi.u	5/1/2012 6:07:00 PM

Continuing Calibration Verification (CCV) - US EPA Method 6020

Sample Name	ccv-1392320
Data File Name	0916CCV.D
DataPath	d:\DATA\050112a.B
Acq Date Time	2012-05-01T18:12:09-06:00
Type	6-CCV
VialNumber	1106
Dilution	1
Comment	
Operator	LMT
ISTDRefDataFileName	003CALB.D
SamplePassFail	Fail
ISTD PassFail	Pass

QC Analyte Table

Element	m/z	ISTD	Tune Step	Meas Value	%RSD	Units	CPS	CPS%RSD	Exp Value	%Rec	QC Low	QC High	QC Flag
Be	9	6	1	45.69	12.77	ppb	25639.12	5.59	50	91.4	90	110	
Na	23	45	2	11761.17	9.87	ppb	3420255.89	8.84	5000	235.2	90	110	6-CCV Main Failed
Mg	24	45	2	5530.64	3.07	ppb	655487.60	2.23	5000	110.6	90	110	6-CCV Main Failed
Al	27	45	2	5282.51	1.69	ppb	118684.67	0.79	5000	105.7	90	110	
K	39	45	2	5218.24	0.99	ppb	267169.40	2.87	5000	104.4	90	110	
Ca	44	45	2	6619.41	0.97	ppb	18837.75	1.72	5000	132.4	90	110	6-CCV Main Failed
V	51	72	2	55.30	3.57	ppb	76613.26	4.15	50	110.6	90	110	6-CCV Main Failed
Cr	52	72	2	51.70	1.68	ppb	108510.53	2.29	50	103.4	90	110	
Mn	55	72	2	54.11	4.58	ppb	37474.04	3.49	50	108.2	90	110	
Fe	57	72	2	5102.45	2.68	ppb	210149.18	1.71	5000	102.0	90	110	
Co	59	72	2	51.58	1.37	ppb	222114.38	0.41	50	103.2	90	110	
Ni	60	72	2	50.04	0.79	ppb	64418.29	1.94	50	100.1	90	110	
Cu	63	72	2	55.10	1.76	ppb	211568.11	0.79	50	110.2	90	110	6-CCV Main Failed
Zn	66	72	2	51.08	2.69	ppb	16528.85	3.15	50	102.2	90	110	
As	75	72	2	49.05	5.59	ppb	8509.06	4.46	50	98.1	90	110	
Se	78	72	1	50.50	12.89	ppb	35034.23	4.95	50	101.0	90	110	
Nb	93	72	2	91.72	1.76	ppb	479663.46	0.79	100	91.7	90	110	
Mo	95	115	2	52.87	2.46	ppb	69406.14	2.20	50	105.7	90	110	
Pd	105	115	2	53.02	0.75	ppb	137179.01	0.55	50	106.0	90	110	
Ag	107	115	2	52.34	1.12	ppb	310001.44	0.87	50	104.7	90	110	
Cd	111	115	2	51.00	5.94	ppb	29354.00	6.19	50	102.0	90	110	
Sn	120	115	2	50.69	1.87	ppb	65541.53	1.94	50	101.4	90	110	
Sb	121	115	2	47.76	4.30	ppb	40510.57	4.52	50	95.5	90	110	
Ba	137	115	2	49.57	3.71	ppb	15428.43	3.96	50	99.1	90	110	
W	182	165	2	48.15	0.66	ppb	343473.73	0.73	50	96.3	90	110	
Pt	195	165	2	46.82	2.72	ppb	302211.78	2.39	50	93.6	90	110	
Tl	205	165	2	46.41	0.69	ppb	540114.75	0.32	50	92.8	90	110	
Pb	208	165	2	45.96	0.11	ppb	678851.12	0.32	50	91.9	90	110	
Th	232	165	2	42.90	1.36	ppb	632919.80	1.09	50	85.8	90	110	6-CCV Main Failed
U	238	165	2	43.05	0.52	ppb	786023.87	0.21	50	86.1	90	110	6-CCV Main Failed

QC ISTD Table

Element	m/z	Tune Step	CPS	%RSD	Ref CPS	%Rec	QC Low	QC High	QC Flag
Li6	6	1	1960836	6.85	875670	223.9	60	125	IS Main Failed
Sc (IS)	45	2	1217561	1.92	566157	215.1	60	125	IS Main Failed
Ge (IS)	72	1	23510218	7.44	12633047	186.1	60	125	IS Main Failed
Ge (IS)	72	2	1543027	1.15	792866	194.6	60	125	IS Main Failed
115In	115	2	4335875	0.25	2594197	167.1	60	125	IS Main Failed
Ho-165	165	2	25141672	0.43	17194663	146.2	60	125	IS Main Failed

TuneStep	TuneFile
1	h2_hmi.u
2	he_hmi.u

Continuing Calibration Blank (CCB) - US EPA Method 6020

Sample Name	ccb-1392356
Data File Name	0926CCB.D
DataPath	d:\DATA\050112a.B
Acq Date Time	2012-05-01T18:15:07-06:00
Type	6-CCB
VialNumber	1306
Dilution	1
Comment	
Operator	LMT
ISTDRefDataFileName	003CALB.D
SamplePassFail	Fail
ISTD PassFail	Pass

QC Analyte Table

Element	m/z	ISTD	Tune Step	Meas Value	%RSD	Units	CPS	CPS %RSD	QC High	QC Flag
Be	9	6	1	-0.01	-211.54	ppb	8.33	91.65	1	
Na	23	45	2	1939.86	5.93	ppb	626927.72	4.62	20	6-CCB Main Failed
Mg	24	45	2	44.79	10.60	ppb	6141.52	8.87	20	6-CCB Main Failed
Al	27	45	2	2.23	136.82	ppb	86.67	87.37	20	
K	39	45	2	5.17	45.73	ppb	2647.07	6.34	20	
Ca	44	45	2	171.78	33.84	ppb	580.07	30.06	20	6-CCB Main Failed
V	51	72	2	0.11	40.35	ppb	85.53	73.18	1	
Cr	52	72	2	0.01	545.15	ppb	200.02	51.96	1	
Mn	55	72	2	0.23	25.79	ppb	326.70	14.14	1	
Fe	57	72	2	5.45	90.63	ppb	520.05	42.83	20	
Co	59	72	2	0.00	331.16	ppb	153.35	30.12	1	
Ni	60	72	2	-0.05	-15.26	ppb	306.70	3.76	1	
Cu	63	72	2	0.06	160.65	ppb	2660.89	13.62	1	
Zn	66	72	2	-0.28	-308.94	ppb	306.71	93.23	5	
As	75	72	2	-0.02	-123.66	ppb	23.33	24.74	5	
Se	78	72	1	0.05	1.03	ppb	64.00	0.00	5	
Nb	93	72	2	0.57	3.67	ppb	4080.88	1.77	5	
Mo	95	115	2	0.01	162.95	ppb	73.34	31.49	1	
Pd	105	115	2	0.02	37.26	ppb	106.68	21.65	1	
Ag	107	115	2	0.00	751.48	ppb	73.34	31.49	1	
Cd	111	115	2	0.12	141.41	ppb	106.68	94.37	1	
Sn	120	115	2	0.04	175.80	ppb	466.71	19.79	5	
Sb	121	115	2	-0.03	-302.09	ppb	200.02	34.64	0.2	
Ba	137	115	2	-0.09	-40.29	ppb	6.67	173.21	1	
W	182	165	2	0.07	25.59	ppb	1546.90	7.80	1	
Pt	195	165	2	0.01	232.42	ppb	166.69	90.86	1	
Tl	205	165	2	0.01	85.69	ppb	280.03	44.61	1	
Pb	208	165	2	0.02	73.58	ppb	1620.21	14.97	1	
Th	232	165	2	0.05	47.58	ppb	1360.18	25.09	1	
U	238	165	2	0.01	39.91	ppb	360.03	20.03	1	

QC ISTD Table

Element	m/z	Tune Step	CPS	%RSD	Ref CPS	%Rec	QC Low	QC High	QC Flag
Li6	6	1	2058202	1.20	875670	235.0	60	125	IS Main Failed
Sc (IS)	45	2	1334424	1.35	566157	235.7	60	125	IS Main Failed
Ge (IS)	72	1	25547024	0.64	12633047	202.2	60	125	IS Main Failed
Ge (IS)	72	2	1654497	1.12	792866	208.7	60	125	IS Main Failed
115In	115	2	4601884	1.05	2594197	177.4	60	125	IS Main Failed
Ho-165	165	2	26118841	0.62	17194663	151.9	60	125	IS Main Failed

TuneStep	TuneFile
1	h2_hmi.u
2	he_hmi.u

Sample Report

Sample Name	280-28286-B-6-B
Data File Name	093SMPL.D
DataPath	d:\DATA\050112a.B
Acq Date Time	2012-05-01T18:18:08-06:00
Type	Sample
VialNumber	4507
Dilution	1
Comment	117485 6020
Operator	LMT
ISTDRefDataFileName	003CALB.D
SamplePassFail	Fail
ISTD PassFail	Pass

QC Analyte Table

Element	m/z	ISTD	Tune Step	Meas Value	FinalConc	%RSD	Units	CPS	CPS%RSD	High Value	QC Flag
Be	9	6	1	0.16	0.16	8.17	ppb	38.33	7.53	3600	
Na	23	45	2	15722137.09	15722137.09	0.47	ppb	2297165299.10	2.89	1800000	Sample Main Failed
Mg	24	45	2	696916.95	696916.95	0.84	ppb	41572621.88	2.55	450000	Sample Main Failed
Al	27	45	2	2649.78	2649.78	4.96	ppb	30003.84	7.07	450000	
K	39	45	2	53195.62	53195.62	1.12	ppb	1361410.39	4.16	180000	
Ca	44	45	2	1847462.71	1847462.71	0.44	ppb	2641216.83	3.24	450000	Sample Main Failed
V	51	72	2	9.92	9.92	10.72	ppb	4125.80	12.90	3600	
Cr	52	72	2	8.63	8.63	6.80	ppb	5494.64	6.19	3600	
Mn	55	72	2	2376.73	2376.73	1.12	ppb	494049.85	3.63	3600	
Fe	57	72	2	4079.90	4079.90	3.57	ppb	50599.34	1.57	90000	
Co	59	72	2	6.66	6.66	4.06	ppb	8669.51	1.96	3600	
Ni	60	72	2	13.64	13.64	4.83	ppb	5367.87	7.29	3600	
Cu	63	72	2	4.88	4.88	4.27	ppb	6268.40	5.99	3600	
Zn	66	72	2	11.28	11.28	4.92	ppb	1186.81	3.51	3600	
As	75	72	2	1.58	1.58	11.73	ppb	90.00	11.11	3600	
Se	78	72	1	6.52	6.52	11.23	ppb	864.04	11.37	3600	
Nb	93	72	2	0.57	0.57	1.15	ppb	1153.53	2.00	7200	
Mo	95	115	2	0.66	0.66	33.22	ppb	260.03	30.77	3600	
Pd	105	115	2	1.49	1.49	10.89	ppb	1093.46	10.40	3600	
Ag	107	115	2	0.00	0.00	1255.67	ppb	20.00	100.00	900	
Cd	111	115	2	0.64	0.64	12.72	ppb	113.34	10.19	3600	
Sn	120	115	2	1.21	1.21	11.22	ppb	546.73	10.56	3600	
Sb	121	115	2	1.71	1.71	18.38	ppb	466.71	17.84	3600	
Ba	137	115	2	534.18	534.18	3.17	ppb	46687.13	5.05	3600	
W	182	165	2	0.18	0.18	91.21	ppb	566.73	51.07	3600	
Pt	195	165	2	0.01	0.01	224.76	ppb	46.67	107.86	3600	
Tl	205	165	2	0.08	0.08	56.75	ppb	273.36	49.81	3600	
Pb	208	165	2	3.27	3.27	6.61	ppb	12263.05	5.88	3600	
Th	232	165	2	0.78	0.78	13.50	ppb	2994.09	12.37	3600	
U	238	165	2	2.01	2.01	6.55	ppb	9136.90	6.05	3600	

QC ISTD Table

Element	m/z	Tune Step	CPS	%RSD	Ref CPS	%Rec	Lower Limit	Upper Limit	QC Flag
Li6	6	1	725914	0.31	875670	82.9	60	125	
Sc (IS)	45	2	613027	3.26	566157	108.3	60	125	
Ge (IS)	72	1	4444834	0.78	12633047	35.2	60	125	IS Main Failed
Ge (IS)	72	2	464672	2.52	792866	58.6	60	125	IS Main Failed
115In	115	2	1219400	1.90	2594197	47.0	60	125	IS Main Failed
Ho-165	165	2	6231250	0.69	17194663	36.2	60	125	IS Main Failed

TuneStep	TuneFile	TuneDate
1	h2_hmi.u	5/1/2012 6:16:00 PM
2	he_hmi.u	5/1/2012 6:16:00 PM

Sample Report

Sample Name	280-28286-B-7-B
Data File Name	094SMPL.D
DataPath	d:\DATA\050112a.B
Acq Date Time	2012-05-01T18:21:13-06:00
Type	Sample
VialNumber	4508
Dilution	1
Comment	117485 6020
Operator	LMT
ISTDRefDataFileName	003CALB.D
SamplePassFail	Fail
ISTD PassFail	Pass

QC Analyte Table

Element	m/z	ISTD	Tune Step	Meas Value	FinalConc	%RSD	Units	CPS	CPS%RSD	High Value	QC Flag
Be	9	6	1	-0.02	-0.02	-44.20	ppb	1.67	173.21	3600	
Na	23	45	2	3198003.00	3198003.00	2.14	ppb	833214600.92	1.26	1800000	Sample Main Failed
Mg	24	45	2	70443.24	70443.24	3.24	ppb	7492084.05	0.54	450000	
Al	27	45	2	126.48	126.48	4.70	ppb	2580.42	7.87	450000	
K	39	45	2	12297.82	12297.82	1.37	ppb	562651.71	2.02	180000	
Ca	44	45	2	199935.47	199935.47	3.04	ppb	509634.49	1.64	450000	
V	51	72	2	1.47	1.47	16.40	ppb	1334.30	13.70	3600	
Cr	52	72	2	3.53	3.53	6.95	ppb	5141.18	6.82	3600	
Mn	55	72	2	135.79	135.79	3.91	ppb	63748.33	1.37	3600	
Fe	57	72	2	1030.13	1030.13	6.78	ppb	28951.73	4.11	90000	
Co	59	72	2	0.88	0.88	5.77	ppb	2653.74	3.72	3600	
Ni	60	72	2	3.49	3.49	9.09	ppb	3273.92	9.82	3600	
Cu	63	72	2	1.90	1.90	9.86	ppb	6441.74	8.75	3600	
Zn	66	72	2	4.18	4.18	3.25	ppb	1153.46	2.00	3600	
As	75	72	2	0.25	0.25	85.16	ppb	46.67	53.93	3600	
Se	78	72	1	1.03	1.03	17.64	ppb	394.68	19.56	3600	
Nb	93	72	2	0.26	0.26	19.64	ppb	1480.20	13.31	7200	
Mo	95	115	2	2.27	2.27	8.29	ppb	2000.28	4.36	3600	
Pd	105	115	2	0.14	0.14	16.97	ppb	266.69	17.32	3600	
Ag	107	115	2	0.01	0.01	48.20	ppb	86.68	26.64	900	
Cd	111	115	2	0.07	0.07	95.14	ppb	46.67	49.49	3600	
Sn	120	115	2	-0.02	-0.02	-548.23	ppb	240.02	36.33	3600	
Sb	121	115	2	0.13	0.13	121.83	ppb	213.35	44.31	3600	
Ba	137	115	2	101.30	101.30	4.65	ppb	20801.18	2.82	3600	
W	182	165	2	0.08	0.08	55.16	ppb	980.14	17.79	3600	
Pt	195	165	2	-0.01	-0.01	-47.01	ppb	13.33	173.21	3600	
Tl	205	165	2	0.01	0.01	49.86	ppb	120.01	16.67	3600	
Pb	208	165	2	0.69	0.69	8.53	ppb	7134.65	4.22	3600	
Th	232	165	2	0.24	0.24	8.66	ppb	2627.15	4.19	3600	
U	238	165	2	2.25	2.25	7.76	ppb	25823.25	4.71	3600	

QC ISTD Table

Element	m/z	Tune Step	CPS	%RSD	Ref CPS	%Rec	Lower Limit	Upper Limit	QC Flag
Li6	6	1	1400723	1.74	875670	160.0	60	125	IS Main Failed
Sc (IS)	45	2	1093559	3.34	566157	193.2	60	125	IS Main Failed
Ge (IS)	72	1	12487757	2.75	12633047	98.8	60	125	
Ge (IS)	72	2	1048988	3.28	792866	132.3	60	125	IS Main Failed
115In	115	2	2866330	3.62	2594197	110.5	60	125	
Ho-165	165	2	15761435	3.25	17194663	91.7	60	125	

TuneStep	TuneFile	TuneDate
1	h2_hmi.u	5/1/2012 6:19:00 PM
2	he_hmi.u	5/1/2012 6:19:00 PM

Sample Report

Sample Name	280-28286-B-8-B
Data File Name	095SMPL.D
DataPath	d:\DATA\050112a.B
Acq Date Time	2012-05-01T18:24:18-06:00
Type	Sample
VialNumber	4509
Dilution	1
Comment	117485 6020
Operator	LMT
ISTDRefDataFileName	003CALB.D
SamplePassFail	Fail
ISTD PassFail	Pass

QC Analyte Table

Element	m/z	ISTD	Tune Step	Meas Value	FinalConc	%RSD	Units	CPS	CPS %RSD	High Value	QC Flag
Be	9	6	1	-0.02	-0.02	0.00	ppb	0.00	#DIV/0!	3600	
Na	23	45	2	3163.71	3163.71	6.03	ppb	1152824.38	3.05	1800000	
Mg	24	45	2	48.91	48.91	3.21	ppb	7582.24	1.21	450000	
Al	27	45	2	2.06	2.06	85.38	ppb	93.34	53.93	450000	
K	39	45	2	2.64	2.64	114.48	ppb	2847.17	9.36	180000	
Ca	44	45	2	247.63	247.63	13.73	ppb	926.78	10.86	450000	
V	51	72	2	0.06	0.06	176.47	ppb	11.20	1474.49	3600	
Cr	52	72	2	0.15	0.15	34.46	ppb	580.06	24.14	3600	
Mn	55	72	2	0.19	0.19	59.11	ppb	326.70	30.20	3600	
Fe	57	72	2	7.42	7.42	64.83	ppb	673.42	35.44	90000	
Co	59	72	2	-0.02	-0.02	-75.96	ppb	53.34	141.97	3600	
Ni	60	72	2	-0.07	-0.07	-108.74	ppb	306.70	38.22	3600	
Cu	63	72	2	0.14	0.14	15.56	ppb	3333.95	1.73	3600	
Zn	66	72	2	-0.04	-0.04	-798.30	ppb	433.38	27.05	3600	
As	75	72	2	-0.02	-0.02	-148.62	ppb	26.67	21.65	3600	
Se	78	72	1	0.06	0.06	40.65	ppb	69.33	26.01	3600	
Nb	93	72	2	-0.03	-0.03	-29.01	ppb	806.75	8.71	7200	
Mo	95	115	2	0.00	0.00	-504.40	ppb	60.00	57.74	3600	
Pd	105	115	2	0.01	0.01	54.53	ppb	73.34	15.74	3600	
Ag	107	115	2	0.00	0.00	-191.22	ppb	66.67	34.65	900	
Cd	111	115	2	-0.03	-0.03	-180.17	ppb	20.00	173.21	3600	
Sn	120	115	2	-0.04	-0.04	-266.91	ppb	400.05	42.72	3600	
Sb	121	115	2	-0.20	-0.20	-24.57	ppb	46.67	107.86	3600	
Ba	137	115	2	0.00	0.00	8987.56	ppb	40.00	132.29	3600	
W	182	165	2	0.01	0.01	120.35	ppb	1266.84	10.03	3600	
Pt	195	165	2	0.00	0.00	-169.55	ppb	93.34	32.73	3600	
Tl	205	165	2	0.00	0.00	-146.33	ppb	120.01	28.87	3600	
Pb	208	165	2	0.03	0.03	35.82	ppb	1966.91	10.88	3600	
Th	232	165	2	-0.02	-0.02	-29.15	ppb	373.38	27.49	3600	
U	238	165	2	-0.01	-0.01	-31.98	ppb	66.67	62.45	3600	

QC ISTD Table

Element	m/z	Tune Step	CPS	%RSD	Ref CPS	%Rec	Lower Limit	Upper Limit	QC Flag
Li6	6	1	2102989	0.99	875670	240.2	60	125	IS Main Failed
Sc (IS)	45	2	1515093	2.87	566157	267.6	60	125	IS Main Failed
Ge (IS)	72	1	25789040	1.26	12633047	204.1	60	125	IS Main Failed
Ge (IS)	72	2	1837084	1.83	792866	231.7	60	125	IS Main Failed
115In	115	2	5164067	0.50	2594197	199.1	60	125	IS Main Failed
Ho-165	165	2	28465741	0.90	17194663	165.5	60	125	IS Main Failed

TuneStep	TuneFile	TuneDate
1	h2_hmi.u	5/1/2012 6:22:00 PM
2	he_hmi.u	5/1/2012 6:23:00 PM

Sample Report

Sample Name	280-28201-C-1-B
Data File Name	096SMPL.D
DataPath	d:\DATA\050112a.B
Acq Date Time	2012-05-01T18:27:19-06:00
Type	Sample
VialNumber	4510
Dilution	1
Comment	117485 6020
Operator	LMT
ISTDRefDataFileName	003CALB.D
SamplePassFail	Fail
ISTD PassFail	Pass

QC Analyte Table

Element	m/z	ISTD	Tune Step	Meas Value	FinalConc	%RSD	Units	CPS	CPS %RSD	High Value	QC Flag
Be	9	6	1	-0.01	-0.01	-65.21	ppb	3.33	173.21	3600	
Na	23	45	2	1893.81	1893.81	2.61	ppb	701419.65	3.15	1800000	
Mg	24	45	2	18.54	18.54	12.18	ppb	3133.89	10.18	450000	
Al	27	45	2	4.66	4.66	84.45	ppb	166.68	66.09	450000	
K	39	45	2	0.93	0.93	573.13	ppb	2760.45	13.06	180000	
Ca	44	45	2	127.07	127.07	8.95	ppb	506.72	8.22	450000	
V	51	72	2	0.13	0.13	33.43	ppb	145.71	51.91	3600	
Cr	52	72	2	0.20	0.20	18.04	ppb	720.08	12.73	3600	
Mn	55	72	2	0.22	0.22	130.82	ppb	360.04	67.36	3600	
Fe	57	72	2	3.60	3.60	11.75	ppb	500.05	4.00	90000	
Co	59	72	2	-0.02	-0.02	-69.45	ppb	66.67	96.44	3600	
Ni	60	72	2	0.05	0.05	262.67	ppb	506.72	39.93	3600	
Cu	63	72	2	0.15	0.15	22.16	ppb	3480.64	5.11	3600	
Zn	66	72	2	0.13	0.13	278.75	ppb	513.40	28.72	3600	
As	75	72	2	-0.09	-0.09	-122.91	ppb	13.33	173.21	3600	
Se	78	72	1	0.02	0.02	150.59	ppb	38.67	47.78	3600	
Nb	93	72	2	-0.05	-0.05	-8.25	ppb	733.42	3.15	7200	
Mo	95	115	2	0.00	0.00	-2423.71	ppb	66.67	86.60	3600	
Pd	105	115	2	-0.01	-0.01	-198.43	ppb	33.34	124.90	3600	
Ag	107	115	2	0.00	0.00	-93.57	ppb	60.00	33.34	900	
Cd	111	115	2	0.01	0.01	691.89	ppb	46.67	89.21	3600	
Sn	120	115	2	-0.05	-0.05	-48.58	ppb	400.04	10.00	3600	
Sb	121	115	2	-0.17	-0.17	-33.54	ppb	80.00	75.00	3600	
Ba	137	115	2	-0.04	-0.04	-219.72	ppb	26.67	114.57	3600	
W	182	165	2	0.05	0.05	24.35	ppb	1600.21	6.25	3600	
Pt	195	165	2	0.00	0.00	-306.17	ppb	93.34	68.88	3600	
Tl	205	165	2	0.00	0.00	-2640.99	ppb	146.68	39.37	3600	
Pb	208	165	2	0.12	0.12	19.07	ppb	3547.21	11.06	3600	
Th	232	165	2	-0.02	-0.02	-22.92	ppb	386.71	20.90	3600	
U	238	165	2	-0.01	-0.01	-71.47	ppb	66.67	147.99	3600	

QC ISTD Table

Element	m/z	Tune Step	CPS	%RSD	Ref CPS	%Rec	Lower Limit	Upper Limit	QC Flag
Li6	6	1	2142975	4.22	875670	244.7	60	125	IS Main Failed
Sc (IS)	45	2	1527793	0.76	566157	269.9	60	125	IS Main Failed
Ge (IS)	72	1	27102763	5.68	12633047	214.5	60	125	IS Main Failed
Ge (IS)	72	2	1894065	0.71	792866	238.9	60	125	IS Main Failed
115In	115	2	5338602	0.58	2594197	205.8	60	125	IS Main Failed
Ho-165	165	2	29361305	0.17	17194663	170.8	60	125	IS Main Failed

TuneStep	TuneFile	TuneDate
1	h2_hmi.u	5/1/2012 6:25:00 PM
2	he_hmi.u	5/1/2012 6:26:00 PM

Sample Report

Sample Name	280-28201-C-2-B
Data File Name	097SMPL.D
DataPath	d:\DATA\050112a.B
Acq Date Time	2012-05-01T18:30:19-06:00
Type	Sample
VialNumber	4511
Dilution	1
Comment	117485 6020
Operator	LMT
ISTDRefDataFileName	003CALB.D
SamplePassFail	Fail
ISTD PassFail	Pass

QC Analyte Table

Element	m/z	ISTD	Tune Step	Meas Value	FinalConc	%RSD	Units	CPS	CPS %RSD	High Value	QC Flag
Be	9	6	1	-0.01	-0.01	-171.58	ppb	6.67	114.56	3600	
Na	23	45	2	5443.53	5443.53	1.73	ppb	1940508.77	2.20	1800000	
Mg	24	45	2	2908.01	2908.01	2.13	ppb	421091.79	1.57	450000	
Al	27	45	2	32.03	32.03	13.69	ppb	913.47	13.20	450000	
K	39	45	2	1513.41	1513.41	0.11	ppb	96467.97	0.95	180000	
Ca	44	45	2	111722.62	111722.62	0.77	ppb	387400.49	0.29	450000	
V	51	72	2	32.89	32.89	2.71	ppb	52412.31	2.13	3600	
Cr	52	72	2	0.63	0.63	9.68	ppb	1720.23	9.08	3600	
Mn	55	72	2	0.63	0.63	35.66	ppb	666.74	27.88	3600	
Fe	57	72	2	24.36	24.36	20.86	ppb	1453.51	17.43	90000	
Co	59	72	2	0.20	0.20	23.15	ppb	1120.13	20.60	3600	
Ni	60	72	2	1.41	1.41	3.84	ppb	2480.38	2.13	3600	
Cu	63	72	2	2.62	2.62	6.27	ppb	14053.37	6.58	3600	
Zn	66	72	2	2.54	2.54	25.34	ppb	1353.50	15.66	3600	
As	75	72	2	1.25	1.25	17.01	ppb	280.02	16.36	3600	
Se	78	72	1	1.07	1.07	13.05	ppb	756.03	12.70	3600	
Nb	93	72	2	-0.07	-0.07	-56.98	ppb	560.05	39.77	7200	
Mo	95	115	2	2.66	2.66	4.25	ppb	4120.87	4.45	3600	
Pd	105	115	2	0.01	0.01	52.08	ppb	73.34	15.74	3600	
Ag	107	115	2	-0.01	-0.01	-60.48	ppb	26.67	114.57	900	
Cd	111	115	2	0.03	0.03	246.35	ppb	60.00	88.20	3600	
Sn	120	115	2	0.09	0.09	145.38	ppb	586.75	33.46	3600	
Sb	121	115	2	0.42	0.42	53.77	ppb	653.41	33.72	3600	
Ba	137	115	2	13.98	13.98	3.18	ppb	5087.91	2.95	3600	
W	182	165	2	0.06	0.06	34.37	ppb	1633.58	10.70	3600	
Pt	195	165	2	-0.01	-0.01	-101.02	ppb	46.67	137.77	3600	
Tl	205	165	2	0.22	0.22	8.20	ppb	3053.93	7.76	3600	
Pb	208	165	2	0.05	0.05	18.07	ppb	2233.63	7.18	3600	
Th	232	165	2	-0.02	-0.02	-6.56	ppb	413.37	5.59	3600	
U	238	165	2	10.39	10.39	1.24	ppb	213985.24	0.65	3600	

QC ISTD Table

Element	m/z	Tune Step	CPS	%RSD	Ref CPS	%Rec	Lower Limit	Upper Limit	QC Flag
Li6	6	1	1922806	0.82	875670	219.6	60	125	IS Main Failed
Sc (IS)	45	2	1486728	1.03	566157	262.6	60	125	IS Main Failed
Ge (IS)	72	1	23147122	0.04	12633047	183.2	60	125	IS Main Failed
Ge (IS)	72	2	1776491	1.55	792866	224.1	60	125	IS Main Failed
115In	115	2	5041885	0.27	2594197	194.4	60	125	IS Main Failed
Ho-165	165	2	28338339	0.97	17194663	164.8	60	125	IS Main Failed

TuneStep	TuneFile	TuneDate
1	h2_hmi.u	5/1/2012 6:28:00 PM
2	he_hmi.u	5/1/2012 6:29:00 PM

Sample Report

Sample Name	280-28201-C-3-B
Data File Name	098SMPL.D
DataPath	d:\DATA\050112a.B
Acq Date Time	2012-05-01T18:33:19-06:00
Type	Sample
VialNumber	4512
Dilution	1
Comment	117485 6020
Operator	LMT
ISTDRefDataFileName	003CALB.D
SamplePassFail	Fail
ISTD PassFail	Pass

QC Analyte Table

Element	m/z	ISTD	Tune Step	Meas Value	FinalConc	%RSD	Units	CPS	CPS%RSD	High Value	QC Flag
Be	9	6	1	-0.01	-0.01	-98.38	ppb	3.33	173.21	3600	
Na	23	45	2	37170.69	37170.69	0.69	ppb	11673545.25	0.59	1800000	
Mg	24	45	2	11900.94	11900.94	0.24	ppb	1525042.68	0.38	450000	
Al	27	45	2	61.04	61.04	8.08	ppb	1513.53	7.74	450000	
K	39	45	2	17126.67	17126.67	0.67	ppb	942633.63	0.57	180000	
Ca	44	45	2	557673.07	557673.07	0.48	ppb	1712132.11	0.66	450000	Sample Main Failed
V	51	72	2	13.74	13.74	5.19	ppb	17498.84	5.67	3600	
Cr	52	72	2	1.38	1.38	14.73	ppb	2813.82	13.90	3600	
Mn	55	72	2	87.61	87.61	4.12	ppb	55855.53	3.67	3600	
Fe	57	72	2	320.56	320.56	3.02	ppb	12398.53	3.45	90000	
Co	59	72	2	2.84	2.84	8.31	ppb	11384.46	8.11	3600	
Ni	60	72	2	15.98	15.98	2.25	ppb	19178.30	1.69	3600	
Cu	63	72	2	15.87	15.87	1.25	ppb	57661.38	1.49	3600	
Zn	66	72	2	99.17	99.17	0.62	ppb	29252.46	0.98	3600	
As	75	72	2	3.15	3.15	16.55	ppb	526.70	15.35	3600	
Se	78	72	1	0.75	0.75	11.29	ppb	398.68	11.01	3600	
Nb	93	72	2	-0.09	-0.09	-34.26	ppb	340.04	44.41	7200	
Mo	95	115	2	36.17	36.17	1.53	ppb	46632.08	1.87	3600	
Pd	105	115	2	0.00	0.00	-575.25	ppb	40.00	50.01	3600	
Ag	107	115	2	0.01	0.01	103.58	ppb	126.69	50.76	900	
Cd	111	115	2	0.08	0.08	73.37	ppb	80.01	43.30	3600	
Sn	120	115	2	0.23	0.23	2.11	ppb	673.41	1.72	3600	
Sb	121	115	2	11.67	11.67	3.57	ppb	9870.33	3.05	3600	
Ba	137	115	2	76.32	76.32	6.01	ppb	23297.69	5.17	3600	
W	182	165	2	0.35	0.35	7.51	ppb	3394.01	5.48	3600	
Pt	195	165	2	-0.01	-0.01	-120.54	ppb	53.34	94.37	3600	
Tl	205	165	2	0.04	0.04	22.50	ppb	620.07	17.96	3600	
Pb	208	165	2	1.57	1.57	1.55	ppb	23829.10	1.84	3600	
Th	232	165	2	-0.01	-0.01	-34.09	ppb	473.39	10.63	3600	
U	238	165	2	8.28	8.28	1.99	ppb	147468.36	2.00	3600	

QC ISTD Table

Element	m/z	Tune Step	CPS	%RSD	Ref CPS	%Rec	Lower Limit	Upper Limit	QC Flag
Li6	6	1	1602693	0.39	875670	183.0	60	125	IS Main Failed
Sc (IS)	45	2	1316413	0.18	566157	232.5	60	125	IS Main Failed
Ge (IS)	72	1	17131973	0.99	12633047	135.6	60	125	IS Main Failed
Ge (IS)	72	2	1422447	0.51	792866	179.4	60	125	IS Main Failed
115In	115	2	4256857	0.81	2594197	164.1	60	125	IS Main Failed
Ho-165	165	2	24504135	0.39	17194663	142.5	60	125	IS Main Failed

TuneStep	TuneFile	TuneDate
1	h2_hmi.u	5/1/2012 6:31:00 PM
2	he_hmi.u	5/1/2012 6:32:00 PM

Sample Report

Sample Name	280-28201-C-4-B
Data File Name	099SMPL.D
DataPath	d:\DATA\050112a.B
Acq Date Time	2012-05-01T18:36:16-06:00
Type	Sample
VialNumber	2502
Dilution	1
Comment	117485 6020
Operator	LMT
ISTDRefDataFileName	003CALB.D
SamplePassFail	Fail
ISTD PassFail	Pass

QC Analyte Table

Element	m/z	ISTD	Tune Step	Meas Value	FinalConc	%RSD	Units	CPS	CPS %RSD	High Value	QC Flag
Be	9	6	1	-0.02	-0.02	-35.02	ppb	1.67	173.21	3600	
Na	23	45	2	13529.25	13529.25	1.23	ppb	4212737.02	0.14	1800000	
Mg	24	45	2	4408.87	4408.87	2.44	ppb	559474.04	1.38	450000	
Al	27	45	2	6.78	6.78	81.56	ppb	193.35	68.88	450000	
K	39	45	2	12286.09	12286.09	0.57	ppb	670136.08	0.68	180000	
Ca	44	45	2	163121.30	163121.30	2.04	ppb	495788.53	0.80	450000	
V	51	72	2	3.64	3.64	13.62	ppb	5082.90	14.19	3600	
Cr	52	72	2	0.73	0.73	11.40	ppb	1726.91	9.99	3600	
Mn	55	72	2	39.71	39.71	4.23	ppb	28123.83	3.73	3600	
Fe	57	72	2	90.98	90.98	4.45	ppb	4087.53	4.63	90000	
Co	59	72	2	0.05	0.05	5.94	ppb	333.36	3.46	3600	
Ni	60	72	2	1.73	1.73	26.56	ppb	2620.42	22.61	3600	
Cu	63	72	2	0.14	0.14	76.45	ppb	2827.12	13.80	3600	
Zn	66	72	2	0.67	0.67	48.91	ppb	600.06	17.64	3600	
As	75	72	2	5.06	5.06	14.10	ppb	920.06	13.18	3600	
Se	78	72	1	0.12	0.12	56.58	ppb	92.00	41.48	3600	
Nb	93	72	2	-0.11	-0.11	-6.98	ppb	300.03	13.33	7200	
Mo	95	115	2	16.30	16.30	6.28	ppb	22335.67	6.37	3600	
Pd	105	115	2	-0.01	-0.01	-132.99	ppb	20.00	173.21	3600	
Ag	107	115	2	0.00	0.00	172.64	ppb	86.68	35.25	900	
Cd	111	115	2	0.08	0.08	175.95	ppb	80.01	100.00	3600	
Sn	120	115	2	-0.01	-0.01	-548.09	ppb	386.71	26.03	3600	
Sb	121	115	2	0.13	0.13	96.82	ppb	333.36	33.05	3600	
Ba	137	115	2	26.42	26.42	1.94	ppb	8582.94	1.85	3600	
W	182	165	2	0.33	0.33	15.07	ppb	3500.71	9.90	3600	
Pt	195	165	2	-0.01	-0.01	-124.91	ppb	60.00	88.20	3600	
Tl	205	165	2	0.00	0.00	-219.26	ppb	100.01	72.11	3600	
Pb	208	165	2	0.01	0.01	13.76	ppb	1493.50	2.05	3600	
Th	232	165	2	-0.02	-0.02	-54.70	ppb	400.05	36.05	3600	
U	238	165	2	0.23	0.23	1.00	ppb	4607.75	0.90	3600	

QC ISTD Table

Element	m/z	Tune Step	CPS	%RSD	Ref CPS	%Rec	Lower Limit	Upper Limit	QC Flag
Li6	6	1	1737720	2.43	875670	198.4	60	125	IS Main Failed
Sc (IS)	45	2	1303370	1.24	566157	230.2	60	125	IS Main Failed
Ge (IS)	72	1	20649749	4.03	12633047	163.5	60	125	IS Main Failed
Ge (IS)	72	2	1575591	0.52	792866	198.7	60	125	IS Main Failed
115In	115	2	4516548	0.13	2594197	174.1	60	125	IS Main Failed
Ho-165	165	2	26324705	0.62	17194663	153.1	60	125	IS Main Failed

TuneStep	TuneFile	TuneDate
1	h2_hmi.u	5/1/2012 6:34:00 PM
2	he_hmi.u	5/1/2012 6:34:00 PM

Sample Report

Sample Name	rinse
Data File Name	100SMPL.D
DataPath	d:\DATA\050112a.B
Acq Date Time	2012-05-01T18:41:17-06:00
Type	Sample
VialNumber	3
Dilution	1
Comment	
Operator	LMT
ISTDRefDataFileName	003CALB.D
SamplePassFail	Fail
ISTD PassFail	Pass

QC Analyte Table

Element	m/z	ISTD	Tune Step	Meas Value	FinalConc	%RSD	Units	CPS	CPS%RSD	High Value	QC Flag
Be	9	6	1	-0.02	-0.02	0.00	ppb	0.00	#DIV/0!	3600	
Na	23	45	2	649.98	649.98	3.75	ppb	213501.48	2.81	1800000	
Mg	24	45	2	1.52	1.52	49.18	ppb	520.05	19.23	450000	
Al	27	45	2	0.09	0.09	1793.79	ppb	33.34	124.90	450000	
K	39	45	2	0.99	0.99	1445.48	ppb	2373.70	32.96	180000	
Ca	44	45	2	43.34	43.34	64.07	ppb	180.02	48.43	450000	
V	51	72	2	0.14	0.14	40.72	ppb	145.40	60.95	3600	
Cr	52	72	2	0.01	0.01	587.93	ppb	206.69	64.44	3600	
Mn	55	72	2	0.11	0.11	81.39	ppb	240.02	28.87	3600	
Fe	57	72	2	1.44	1.44	282.74	ppb	346.70	52.03	90000	
Co	59	72	2	-0.03	-0.03	-16.39	ppb	20.00	100.00	3600	
Ni	60	72	2	-0.05	-0.05	-157.13	ppb	306.70	39.31	3600	
Cu	63	72	2	-0.05	-0.05	-45.17	ppb	2260.37	4.43	3600	
Zn	66	72	2	-0.24	-0.24	-76.00	ppb	326.70	19.68	3600	
As	75	72	2	-0.04	-0.04	-211.75	ppb	20.00	86.60	3600	
Se	78	72	1	0.01	0.01	144.65	ppb	29.33	34.32	3600	
Nb	93	72	2	-0.11	-0.11	-24.61	ppb	266.69	60.62	7200	
Mo	95	115	2	-0.02	-0.02	-208.13	ppb	33.34	173.21	3600	
Pd	105	115	2	-0.01	-0.01	-53.31	ppb	26.67	43.30	3600	
Ag	107	115	2	-0.01	-0.01	-40.17	ppb	13.33	173.21	900	
Cd	111	115	2	0.04	0.04	247.56	ppb	60.01	100.00	3600	
Sn	120	115	2	0.05	0.05	113.50	ppb	493.38	15.35	3600	
Sb	121	115	2	-0.18	-0.18	-31.69	ppb	60.01	88.19	3600	
Ba	137	115	2	-0.05	-0.05	-227.20	ppb	20.00	173.21	3600	
W	182	165	2	-0.01	-0.01	-228.28	ppb	1013.46	18.34	3600	
Pt	195	165	2	0.00	0.00	-462.14	ppb	93.34	65.47	3600	
Tl	205	165	2	0.00	0.00	-373.79	ppb	126.68	32.87	3600	
Pb	208	165	2	-0.02	-0.02	-80.72	ppb	1066.78	20.05	3600	
Th	232	165	2	-0.03	-0.03	-5.35	ppb	153.35	19.93	3600	
U	238	165	2	-0.01	-0.01	-19.95	ppb	33.34	91.66	3600	

QC ISTD Table

Element	m/z	Tune Step	CPS	%RSD	Ref CPS	%Rec	Lower Limit	Upper Limit	QC Flag
Li6	6	1	1802014	0.40	875670	205.8	60	125	IS Main Failed
Sc (IS)	45	2	1313527	1.61	566157	232.0	60	125	IS Main Failed
Ge (IS)	72	1	23660220	0.63	12633047	187.3	60	125	IS Main Failed
Ge (IS)	72	2	1682390	0.50	792866	212.2	60	125	IS Main Failed
115In	115	2	4700482	1.21	2594197	181.2	60	125	IS Main Failed
Ho-165	165	2	27115688	1.67	17194663	157.7	60	125	IS Main Failed

TuneStep	TuneFile	TuneDate
1	h2_hmi.u	5/1/2012 6:39:00 PM
2	he_hmi.u	5/1/2012 6:40:00 PM

Sample Report

Sample Name	rinse
Data File Name	101SMPL.D
DataPath	d:\DATA\050112a.B
Acq Date Time	2012-05-01T18:44:15-06:00
Type	Sample
VialNumber	3
Dilution	1
Comment	
Operator	LMT
ISTDRefDataFileName	003CALB.D
SamplePassFail	Fail
ISTD PassFail	Pass

QC Analyte Table

Element	m/z	ISTD	Tune Step	Meas Value	FinalConc	%RSD	Units	CPS	CPS %RSD	High Value	QC Flag
Be	9	6	1	-0.01	-0.01	-82.50	ppb	3.33	173.21	3600	
Na	23	45	2	550.74	550.74	1.91	ppb	182433.42	1.12	1800000	
Mg	24	45	2	2.26	2.26	42.60	ppb	613.40	19.65	450000	
Al	27	45	2	-0.45	-0.45	-182.27	ppb	20.00	100.00	450000	
K	39	45	2	-2.67	-2.67	-173.56	ppb	2173.62	11.25	180000	
Ca	44	45	2	13.03	13.03	206.45	ppb	86.68	96.08	450000	
V	51	72	2	0.15	0.15	65.23	ppb	160.70	94.86	3600	
Cr	52	72	2	0.00	0.00	655.14	ppb	193.35	33.25	3600	
Mn	55	72	2	0.08	0.08	165.02	ppb	213.35	44.30	3600	
Fe	57	72	2	3.69	3.69	41.09	ppb	446.72	14.39	90000	
Co	59	72	2	-0.03	-0.03	-16.60	ppb	20.00	100.00	3600	
Ni	60	72	2	-0.04	-0.04	-185.11	ppb	326.70	30.82	3600	
Cu	63	72	2	-0.08	-0.08	-84.81	ppb	2106.96	14.38	3600	
Zn	66	72	2	-0.01	-0.01	-5654.99	ppb	406.71	25.24	3600	
As	75	72	2	-0.11	-0.11	-54.02	ppb	6.67	173.21	3600	
Se	78	72	1	0.00	0.00	1701.00	ppb	22.67	36.74	3600	
Nb	93	72	2	-0.12	-0.12	-10.94	ppb	253.36	27.73	7200	
Mo	95	115	2	-0.01	-0.01	-1100.10	ppb	53.34	173.21	3600	
Pd	105	115	2	-0.01	-0.01	-33.20	ppb	13.33	86.60	3600	
Ag	107	115	2	-0.01	-0.01	-99.73	ppb	26.67	173.21	900	
Cd	111	115	2	0.04	0.04	82.46	ppb	60.00	33.34	3600	
Sn	120	115	2	-0.01	-0.01	-761.71	ppb	413.38	19.55	3600	
Sb	121	115	2	-0.24	-0.24	-10.68	ppb	13.33	173.21	3600	
Ba	137	115	2	-0.07	-0.07	-103.07	ppb	13.33	173.21	3600	
W	182	165	2	0.00	0.00	-6975.33	ppb	1093.47	27.46	3600	
Pt	195	165	2	0.00	0.00	3177.51	ppb	106.68	47.19	3600	
Tl	205	165	2	0.00	0.00	4095.37	ppb	140.02	86.90	3600	
Pb	208	165	2	-0.01	-0.01	-157.62	ppb	1213.46	16.67	3600	
Th	232	165	2	-0.03	-0.03	-13.40	ppb	140.01	51.51	3600	
U	238	165	2	-0.01	-0.01	-23.25	ppb	40.00	86.61	3600	

QC ISTD Table

Element	m/z	Tune Step	CPS	%RSD	Ref CPS	%Rec	Lower Limit	Upper Limit	QC Flag
Li6	6	1	1798228	0.74	875670	205.4	60	125	IS Main Failed
Sc (IS)	45	2	1313271	0.76	566157	232.0	60	125	IS Main Failed
Ge (IS)	72	1	23389713	0.59	12633047	185.1	60	125	IS Main Failed
Ge (IS)	72	2	1678217	1.09	792866	211.7	60	125	IS Main Failed
115In	115	2	4732944	0.84	2594197	182.4	60	125	IS Main Failed
Ho-165	165	2	26979104	0.44	17194663	156.9	60	125	IS Main Failed

TuneStep	TuneFile	TuneDate
1	h2_hmi.u	5/1/2012 6:42:00 PM
2	he_hmi.u	5/1/2012 6:42:00 PM

Sample Report

Sample Name	rinse
Data File Name	102SMPL.D
DataPath	d:\DATA\050112a.B
Acq Date Time	2012-05-01T18:47:14-06:00
Type	Sample
VialNumber	3
Dilution	1
Comment	
Operator	LMT
ISTDRefDataFileName	003CALB.D
SamplePassFail	Fail
ISTD PassFail	Pass

QC Analyte Table

Element	m/z	ISTD	Tune Step	Meas Value	FinalConc	%RSD	Units	CPS	CPS%RSD	High Value	QC Flag
Be	9	6	1	-0.02	-0.02	-34.05	ppb	1.67	173.21	3600	
Na	23	45	2	474.19	474.19	1.37	ppb	156508.61	0.43	1800000	
Mg	24	45	2	2.42	2.42	29.31	ppb	626.74	14.39	450000	
Al	27	45	2	-0.71	-0.71	-68.01	ppb	13.33	86.60	450000	
K	39	45	2	1.44	1.44	733.64	ppb	2373.69	25.01	180000	
Ca	44	45	2	0.40	0.40	4229.06	ppb	46.67	107.86	450000	
V	51	72	2	0.12	0.12	7.08	ppb	101.48	12.48	3600	
Cr	52	72	2	0.02	0.02	218.85	ppb	233.36	47.21	3600	
Mn	55	72	2	-0.07	-0.07	-127.19	ppb	100.01	69.28	3600	
Fe	57	72	2	-0.33	-0.33	-322.36	ppb	266.69	17.32	90000	
Co	59	72	2	-0.02	-0.02	-10.69	ppb	33.33	34.64	3600	
Ni	60	72	2	-0.03	-0.03	-239.81	ppb	333.37	33.05	3600	
Cu	63	72	2	-0.07	-0.07	-41.81	ppb	2173.67	5.07	3600	
Zn	66	72	2	-0.12	-0.12	-277.44	ppb	366.70	30.04	3600	
As	75	72	2	0.08	0.08	383.15	ppb	43.34	135.22	3600	
Se	78	72	1	0.00	0.00	2208.73	ppb	22.67	97.19	3600	
Nb	93	72	2	-0.13	-0.13	-5.34	ppb	153.35	27.15	7200	
Mo	95	115	2	-0.02	-0.02	-80.92	ppb	33.33	69.28	3600	
Pd	105	115	2	0.01	0.01	221.05	ppb	80.01	86.61	3600	
Ag	107	115	2	0.00	0.00	-165.28	ppb	40.00	132.29	900	
Cd	111	115	2	0.04	0.04	147.16	ppb	60.00	57.74	3600	
Sn	120	115	2	0.10	0.10	32.94	ppb	573.39	7.26	3600	
Sb	121	115	2	-0.19	-0.19	-0.38	ppb	60.01	0.01	3600	
Ba	137	115	2	-0.09	-0.09	-39.61	ppb	6.67	173.21	3600	
W	182	165	2	0.03	0.03	95.69	ppb	1353.51	17.13	3600	
Pt	195	165	2	0.00	0.00	-171.26	ppb	73.34	78.73	3600	
Tl	205	165	2	0.00	0.00	533.37	ppb	153.35	52.71	3600	
Pb	208	165	2	0.01	0.01	153.96	ppb	1520.19	15.95	3600	
Th	232	165	2	-0.04	-0.04	-11.76	ppb	86.68	81.05	3600	
U	238	165	2	-0.01	-0.01	-64.79	ppb	80.01	90.14	3600	

QC ISTD Table

Element	m/z	Tune Step	CPS	%RSD	Ref CPS	%Rec	Lower Limit	Upper Limit	QC Flag
Li6	6	1	1756961	0.30	875670	200.6	60	125	IS Main Failed
Sc (IS)	45	2	1296982	1.04	566157	229.1	60	125	IS Main Failed
Ge (IS)	72	1	22850035	0.15	12633047	180.9	60	125	IS Main Failed
Ge (IS)	72	2	1673095	0.59	792866	211.0	60	125	IS Main Failed
115In	115	2	4767911	1.09	2594197	183.8	60	125	IS Main Failed
Ho-165	165	2	27174400	1.62	17194663	158.0	60	125	IS Main Failed

TuneStep	TuneFile	TuneDate
1	h2_hmi.u	5/1/2012 6:45:00 PM
2	he_hmi.u	5/1/2012 6:45:00 PM

Sample Report

Sample Name	rinse
Data File Name	103SMPL.D
DataPath	d:\DATA\050112a.B
Acq Date Time	2012-05-01T18:50:13-06:00
Type	Sample
VialNumber	3
Dilution	1
Comment	
Operator	LMT
ISTDRefDataFileName	003CALB.D
SamplePassFail	Fail
ISTD PassFail	Pass

QC Analyte Table

Element	m/z	ISTD	Tune Step	Meas Value	FinalConc	%RSD	Units	CPS	CPS%RSD	High Value	QC Flag
Be	9	6	1	-0.02	-0.02	0.00	ppb	0.00	#DIV/0!	3600	
Na	23	45	2	405.61	405.61	1.47	ppb	132286.79	1.57	1800000	
Mg	24	45	2	0.54	0.54	210.44	ppb	380.04	36.84	450000	
Al	27	45	2	3.29	3.29	60.24	ppb	106.68	43.30	450000	
K	39	45	2	-3.41	-3.41	-104.47	ppb	2060.31	9.26	180000	
Ca	44	45	2	-8.38	-8.38	-80.50	ppb	20.00	100.00	450000	
V	51	72	2	-0.01	-0.01	-431.03	ppb	-89.64	-90.78	3600	
Cr	52	72	2	0.03	0.03	194.70	ppb	240.03	50.69	3600	
Mn	55	72	2	0.02	0.02	200.27	ppb	166.68	18.33	3600	
Fe	57	72	2	2.18	2.18	140.02	ppb	366.70	35.07	90000	
Co	59	72	2	-0.02	-0.02	-55.86	ppb	53.34	86.60	3600	
Ni	60	72	2	-0.10	-0.10	-44.99	ppb	233.35	27.55	3600	
Cu	63	72	2	-0.06	-0.06	-229.23	ppb	2147.01	22.98	3600	
Zn	66	72	2	-0.04	-0.04	-720.81	ppb	380.04	27.35	3600	
As	75	72	2	0.07	0.07	208.93	ppb	40.00	66.15	3600	
Se	78	72	1	0.00	0.00	1110.24	ppb	22.67	97.19	3600	
Nb	93	72	2	-0.12	-0.12	-26.32	ppb	206.69	84.56	7200	
Mo	95	115	2	-0.01	-0.01	-763.81	ppb	53.34	114.57	3600	
Pd	105	115	2	-0.01	-0.01	-27.64	ppb	6.67	173.21	3600	
Ag	107	115	2	0.00	0.00	-125.64	ppb	53.34	43.31	900	
Cd	111	115	2	0.06	0.06	216.94	ppb	73.34	110.22	3600	
Sn	120	115	2	-0.01	-0.01	-361.37	ppb	406.71	15.81	3600	
Sb	121	115	2	-0.21	-0.21	-11.66	ppb	33.34	69.29	3600	
Ba	137	115	2	-0.11	-0.11	0.00	ppb	0.00	#DIV/0!	3600	
W	182	165	2	0.03	0.03	55.72	ppb	1326.85	10.04	3600	
Pt	195	165	2	-0.01	-0.01	-129.57	ppb	60.00	100.00	3600	
Tl	205	165	2	0.00	0.00	927.72	ppb	146.68	55.12	3600	
Pb	208	165	2	-0.02	-0.02	-29.54	ppb	1060.11	8.22	3600	
Th	232	165	2	-0.04	-0.04	-1.82	ppb	73.34	15.74	3600	
U	238	165	2	-0.01	-0.01	-18.66	ppb	80.01	25.00	3600	

QC ISTD Table

Element	m/z	Tune Step	CPS	%RSD	Ref CPS	%Rec	Lower Limit	Upper Limit	QC Flag
Li6	6	1	1693083	1.02	875670	193.3	60	125	IS Main Failed
Sc (IS)	45	2	1267899	0.22	566157	223.9	60	125	IS Main Failed
Ge (IS)	72	1	21921847	1.68	12633047	173.5	60	125	IS Main Failed
Ge (IS)	72	2	1624778	1.44	792866	204.9	60	125	IS Main Failed
115In	115	2	4725864	0.70	2594197	182.2	60	125	IS Main Failed
Ho-165	165	2	27162489	0.85	17194663	158.0	60	125	IS Main Failed

TuneStep	TuneFile	TuneDate
1	h2_hmi.u	5/1/2012 6:48:00 PM
2	he_hmi.u	5/1/2012 6:48:00 PM

Calibration Blank Report

Sample Name	icis
Data File Name	104CALB.D
DataPath	d:\DATA\050112a.B
Acq Date Time	2012-05-01T18:53:10-06:00
Type	CalBlk
VialNumber	2101
Dilution	1
Comment	
Operator	LMT

QC Analyte Table

Element	m/z	ISTD	Tune Step	CPS	%RSD
Be	9	6	1	0	#DIV/0!
Na	23	45	2	112271	1.57
Mg	24	45	2	433	11.61
Al	27	45	2	27	86.60
K	39	45	2	2194	14.43
Ca	44	45	2	53	94.37
V	51	72	2	43	358.39
Cr	52	72	2	213	48.11
Mn	55	72	2	80	0.00
Fe	57	72	2	273	40.30
Co	59	72	2	40	86.60
Ni	60	72	2	233	38.65
Cu	63	72	2	2467	13.72
Zn	66	72	2	360	14.70
As	75	72	2	30	100.00
Se	78	72	1	15	103.25
Nb	93	72	2	173	35.25
Mo	95	115	2	47	65.47
Pd	105	115	2	7	173.21
Ag	107	115	2	60	66.67
Cd	111	115	2	47	24.75
Sn	120	115	2	340	46.69
Sb	121	115	2	140	28.57
Ba	137	115	2	0	#DIV/0!
W	182	165	2	1314	3.52
Pt	195	165	2	67	62.45
Tl	205	165	2	153	7.53
Pb	208	165	2	1353	20.17
Th	232	165	2	93	89.21
U	238	165	2	33	91.65

QC ISTD Table

Element	m/z	Tune Step	CPS	%RSD
Li6	6	1	1635461	1.41
Sc (IS)	45	2	1250863	0.42
Ge (IS)	72	1	21507298	0.91
Ge (IS)	72	2	1624588	0.78
115In	115	2	4724621	0.95
Ho-165	165	2	27285436	0.23

TuneStep	TuneFile	TuneDate
1	h2_hmi.u	5/1/2012 6:51:00 PM
2	he_hmi.u	5/1/2012 6:51:00 PM

Calibration Standard Report

Sample Name	cal-1392319
Data File Name	105CALS.D
DataPath	d:\DATA\050112a.B
Acq Date Time	2012-05-01T18:56:06-06:00
Type	CalStd
VialNumber	2102
Dilution	1
Comment	
Operator	LMT
ISTDRefDataFileName	104CALB.D
ISTD PassFail	Pass

QC Analyte Table

Element	m/z	ISTD	Tune Step	CPS	%RSD
Be	9	6	1	41534	2.39
Na	23	45	2	3156888	0.74
Mg	24	45	2	1198076	2.65
Al	27	45	2	227800	2.17
K	39	45	2	536144	0.63
Ca	44	45	2	28998	2.53
V	51	72	2	147412	3.11
Cr	52	72	2	211268	1.99
Mn	55	72	2	74322	1.21
Fe	57	72	2	423017	0.54
Co	59	72	2	443965	1.76
Ni	60	72	2	129665	0.75
Cu	63	72	2	379049	0.80
Zn	66	72	2	32645	1.80
As	75	72	2	16935	3.12
Se	78	72	1	63484	2.00
Nb	93	72	2	989222	0.67
Mo	95	115	2	142591	1.93
Pd	105	115	2	279385	0.85
Ag	107	115	2	641344	1.32
Cd	111	115	2	59867	2.45
(Cd)	114	115	2	154996	0.58
Sn	120	115	2	137346	0.24
Sb	121	115	2	79467	2.19
Ba	137	115	2	31759	1.70
W	182	165	2	723427	1.62
Pt	195	165	2	623845	0.21
Tl	205	165	2	1138678	0.82
Pb	208	165	2	1427490	0.50
Th	232	165	2	1357316	0.33
U	238	165	2	1683500	0.58

QC ISTD Table

Element	m/z	Tune Step	CPS	%RSD	Reference CPS	%Recovery	Lower Limit	Upper Limit	QC Flag
Li6	6	1	1578754	1.73	1635461	96.5	60	125	
Sc (IS)	45	2	1245016	0.99	1250863	99.5	60	125	
Ge (IS)	72	1	20400865	0.88	21507298	94.9	60	125	
Ge (IS)	72	2	1602304	0.62	1624588	98.6	60	125	
115In	115	2	4590864	0.99	4724621	97.2	60	125	
Ho-165	165	2	26903855	0.27	27285436	98.6	60	125	

TuneStep	TuneFile	TuneDate
1	h2_hmi.u	5/1/2012 6:54:00 PM
2	he_hmi.u	5/1/2012 6:54:00 PM

Continuing Calibration Verification (CCV) - US EPA Method 6020

Sample Name	ccv-1392320
Data File Name	1066CCV.D
DataPath	d:\DATA\050112a.B
Acq Date Time	2012-05-01T18:59:04-06:00
Type	6-CCV
VialNumber	1106
Dilution	1
Comment	
Operator	LMT
ISTDRefDataFileName	104CALB.D
SamplePassFail	Fail
ISTD PassFail	Pass

QC Analyte Table

Element	m/z	ISTD	Tune Step	Meas Value	%RSD	Units	CPS	CPS%RSD	Exp Value	%Rec	QC Low	QC High	QC Flag
Be	9	6	1	50.11	1.02	ppb	21055.20	2.24	50	100.2	90	110	
Na	23	45	2	5038.92	2.64	ppb	1627825.86	0.22	5000	100.8	90	110	
Mg	24	45	2	5064.00	2.34	ppb	600113.45	0.36	5000	101.3	90	110	
Al	27	45	2	5124.08	2.22	ppb	115451.81	1.01	5000	102.5	90	110	
K	39	45	2	5169.92	2.35	ppb	275146.97	0.49	5000	103.4	90	110	
Ca	44	45	2	5364.94	9.79	ppb	15394.17	7.43	5000	107.3	90	110	
V	51	72	2	52.62	2.45	ppb	76699.35	2.02	50	105.2	90	110	
Cr	52	72	2	52.05	0.74	ppb	108826.61	0.87	50	104.1	90	110	
Mn	55	72	2	52.82	4.92	ppb	38857.27	5.19	50	105.6	90	110	
Fe	57	72	2	5174.48	1.54	ppb	216566.92	1.39	5000	103.5	90	110	
Co	59	72	2	52.38	1.50	ppb	229937.14	1.11	50	104.8	90	110	
Ni	60	72	2	51.69	1.02	ppb	66378.13	0.54	50	103.4	90	110	
Cu	63	72	2	55.57	0.72	ppb	209343.20	0.63	50	111.1	90	110	6-CCV Main Failed
Zn	66	72	2	53.04	5.73	ppb	17289.59	6.09	50	106.1	90	110	
As	75	72	2	51.99	3.82	ppb	8719.14	4.03	50	104.0	90	110	
Se	78	72	1	50.96	2.19	ppb	32732.65	1.42	50	101.9	90	110	
Nb	93	72	2	104.20	0.88	ppb	509671.53	0.60	100	104.2	90	110	
Mo	95	115	2	50.50	4.70	ppb	72398.88	3.70	50	101.0	90	110	
Pd	105	115	2	51.21	2.78	ppb	143849.81	1.87	50	102.4	90	110	
Ag	107	115	2	51.61	1.80	ppb	332809.79	1.52	50	103.2	90	110	
Cd	111	115	2	50.75	3.95	ppb	30569.33	4.11	50	101.5	90	110	
Sn	120	115	2	51.21	1.34	ppb	70883.41	0.82	50	102.4	90	110	
Sb	121	115	2	50.94	2.59	ppb	40783.88	3.45	50	101.9	90	110	
Ba	137	115	2	51.43	2.70	ppb	16422.71	2.19	50	102.9	90	110	
W	182	165	2	51.82	1.11	ppb	374416.40	1.09	50	103.6	90	110	
Pt	195	165	2	51.74	2.42	ppb	321883.03	2.22	50	103.5	90	110	
Tl	205	165	2	51.66	0.88	ppb	586635.08	0.73	50	103.3	90	110	
Pb	208	165	2	51.74	1.64	ppb	737126.62	1.39	50	103.5	90	110	
Th	232	165	2	51.31	1.95	ppb	694378.03	1.70	50	102.6	90	110	
U	238	165	2	50.67	1.22	ppb	850624.88	0.98	50	101.3	90	110	

QC ISTD Table

Element	m/z	Tune Step	CPS	%RSD	Ref CPS	%Rec	QC Low	QC High	QC Flag
Li6	6	1	1596561	1.77	1635461	97.6	60	125	
Sc (IS)	45	2	1231568	2.21	1250863	98.5	60	125	
Ge (IS)	72	1	20638094	1.10	21507298	96.0	60	125	
Ge (IS)	72	2	1584341	0.48	1624588	97.5	60	125	
115In	115	2	4615774	1.02	4724621	97.7	60	125	
Ho-165	165	2	26825511	0.26	27285436	98.3	60	125	

TuneStep	TuneFile
1	h2_hmi.u
2	he_hmi.u

Continuing Calibration Blank (CCB) - US EPA Method 6020

Sample Name	ccb-1392356
Data File Name	1076CCB.D
DataPath	d:\DATA\050112a.B
Acq Date Time	2012-05-01T19:02:02-06:00
Type	6-CCB
VialNumber	1306
Dilution	1
Comment	
Operator	LMT
ISTDRefDataFileName	104CALB.D
SamplePassFail	Pass
ISTD PassFail	Pass

QC Analyte Table

Element	m/z	ISTD	Tune Step	Meas Value	%RSD	Units	CPS	CPS %RSD	QC High	QC Flag
Be	9	6	1	0.04	87.34	ppb	15.00	88.19	1	
Na	23	45	2	-83.68	-2.69	ppb	83589.15	0.76	20	
Mg	24	45	2	1.16	88.04	ppb	553.39	21.79	20	
Al	27	45	2	1.86	149.26	ppb	66.67	91.65	20	
K	39	45	2	4.47	187.48	ppb	2347.06	18.78	20	
Ca	44	45	2	5.48	375.63	ppb	66.67	86.60	20	
V	51	72	2	0.07	58.27	ppb	137.69	41.46	1	
Cr	52	72	2	0.04	93.16	ppb	293.37	25.81	1	
Mn	55	72	2	0.11	134.31	ppb	160.01	69.59	1	
Fe	57	72	2	6.81	89.17	ppb	553.40	46.48	20	
Co	59	72	2	0.05	33.48	ppb	253.36	27.73	1	
Ni	60	72	2	0.01	289.66	ppb	240.02	14.43	1	
Cu	63	72	2	-0.03	-288.04	ppb	2307.01	12.46	1	
Zn	66	72	2	0.11	166.60	ppb	386.71	15.80	5	
As	75	72	2	0.12	85.24	ppb	50.00	34.64	5	
Se	78	72	1	0.05	76.41	ppb	45.33	51.70	5	
Nb	93	72	2	0.87	13.22	ppb	4440.98	13.87	5	
Mo	95	115	2	0.11	72.90	ppb	206.69	56.71	1	
Pd	105	115	2	0.03	70.82	ppb	93.34	65.48	1	
Ag	107	115	2	0.01	115.78	ppb	93.34	44.61	1	
Cd	111	115	2	-0.03	-168.08	ppb	26.67	114.57	1	
Sn	120	115	2	0.11	69.63	ppb	480.05	22.05	5	
Sb	121	115	2	0.12	50.06	ppb	233.36	21.57	0.2	
Ba	137	115	2	0.06	99.58	ppb	20.00	100.00	1	
W	182	165	2	0.09	11.07	ppb	1920.27	3.13	1	
Pt	195	165	2	0.02	52.28	ppb	220.02	36.36	1	
Tl	205	165	2	0.03	63.18	ppb	446.72	41.36	1	
Pb	208	165	2	0.03	82.86	ppb	1746.88	19.38	1	
Th	232	165	2	0.10	22.73	ppb	1406.86	21.11	1	
U	238	165	2	0.04	35.72	ppb	653.41	34.14	1	

QC ISTD Table

Element	m/z	Tune Step	CPS	%RSD	Ref CPS	%Rec	QC Low	QC High	QC Flag
Li6	6	1	1599754	1.76	1635461	97.8	60	125	
Sc (IS)	45	2	1206433	0.33	1250863	96.4	60	125	
Ge (IS)	72	1	20773173	1.71	21507298	96.6	60	125	
Ge (IS)	72	2	1585448	1.28	1624588	97.6	60	125	
115In	115	2	4569091	0.67	4724621	96.7	60	125	
Ho-165	165	2	26928722	0.48	27285436	98.7	60	125	

TuneStep	TuneFile
1	h2_hmi.u
2	he_hmi.u

Sample Report

Sample Name	280-28117-E-13-C MS@5
Data File Name	108SMPL.D
DataPath	d:\DATA\050112a.B
Acq Date Time	2012-05-01T19:04:59-06:00
Type	Sample
VialNumber	2201
Dilution	1
Comment	117067 6020
Operator	LMT
ISTDRefDataFileName	104CALB.D
SamplePassFail	Fail
ISTD PassFail	Pass

QC Analyte Table

Element	m/z	ISTD	Tune Step	Meas Value	FinalConc	%RSD	Units	CPS	CPS%RSD	High Value	QC Flag
Be	9	6	1	6.70	6.70	5.66	ppb	1980.14	4.73	3600	
Na	23	45	2	2260412.33	2260412.33	0.97	ppb	538279725.31	0.40	1800000	Sample Main Failed
Mg	24	45	2	13260.82	13260.82	1.10	ppb	1241977.17	0.46	450000	
Al	27	45	2	91.37	91.37	20.66	ppb	1646.90	20.04	450000	
K	39	45	2	8843.61	8843.61	1.62	ppb	370908.24	0.56	180000	
Ca	44	45	2	196228.93	196228.93	1.42	ppb	444198.35	0.47	450000	
V	51	72	2	30.85	30.85	4.36	ppb	28287.32	4.29	3600	
Cr	52	72	2	9.51	9.51	3.73	ppb	12605.42	2.81	3600	
Mn	55	72	2	11.48	11.48	1.86	ppb	5347.84	2.19	3600	
Fe	57	72	2	102.80	102.80	15.98	ppb	2867.17	14.25	90000	
Co	59	72	2	8.49	8.49	3.45	ppb	23456.83	3.21	3600	
Ni	60	72	2	8.17	8.17	5.63	ppb	6715.13	5.33	3600	
Cu	63	72	2	8.09	8.09	3.79	ppb	20453.07	2.41	3600	
Zn	66	72	2	7.10	7.10	18.51	ppb	1646.87	16.49	3600	
As	75	72	2	163.75	163.75	1.64	ppb	17225.50	1.43	3600	
Se	78	72	1	92.46	92.46	1.69	ppb	31693.55	1.29	3600	
Nb	93	72	2	0.46	0.46	7.49	ppb	1520.21	8.00	7200	
Mo	95	115	2	74.38	74.38	2.28	ppb	68884.92	2.44	3600	
Pd	105	115	2	0.08	0.08	80.50	ppb	146.68	78.73	3600	
Ag	107	115	2	6.15	6.15	3.19	ppb	25647.68	2.69	900	
Cd	111	115	2	6.38	6.38	6.45	ppb	2507.06	6.97	3600	
Sn	120	115	2	8.38	8.38	2.81	ppb	7675.71	3.00	3600	
Sb	121	115	2	7.40	7.40	4.54	ppb	3900.78	4.89	3600	
Ba	137	115	2	10.73	10.73	8.44	ppb	2213.70	8.78	3600	
W	182	165	2	0.03	0.03	94.51	ppb	966.81	13.46	3600	
Pt	195	165	2	0.03	0.03	86.08	ppb	173.35	65.61	3600	
Tl	205	165	2	6.96	6.96	1.90	ppb	51023.92	1.92	3600	
Pb	208	165	2	6.92	6.92	1.68	ppb	64328.33	1.30	3600	
Th	232	165	2	7.27	7.27	2.17	ppb	63510.57	2.33	3600	
U	238	165	2	7.33	7.33	1.74	ppb	79349.30	2.25	3600	

QC ISTD Table

Element	m/z	Tune Step	CPS	%RSD	Ref CPS	%Rec	Lower Limit	Upper Limit	QC Flag
Li6	6	1	1123228	1.60	1635461	68.7	60	125	
Sc (IS)	45	2	973522	1.35	1250863	77.8	60	125	
Ge (IS)	72	1	11014428	1.40	21507298	51.2	60	125	IS Main Failed
Ge (IS)	72	2	996121	1.12	1624588	61.3	60	125	
115In	115	2	2981737	0.60	4724621	63.1	60	125	
Ho-165	165	2	17292510	0.69	27285436	63.4	60	125	

TuneStep	TuneFile	TuneDate
1	h2_hmi.u	5/1/2012 7:03:00 PM
2	he_hmi.u	5/1/2012 7:03:00 PM

Sample Report

Sample Name	280-28117-E-13-D MSD@5
Data File Name	109SMPL.D
DataPath	d:\DATA\050112a.B
Acq Date Time	2012-05-01T19:08:00-06:00
Type	Sample
VialNumber	2202
Dilution	1
Comment	117067 6020
Operator	LMT
ISTDRefDataFileName	104CALB.D
SamplePassFail	Fail
ISTD PassFail	Pass

QC Analyte Table

Element	m/z	ISTD	Tune Step	Meas Value	FinalConc	%RSD	Units	CPS	CPS%RSD	High Value	QC Flag
Be	9	6	1	6.53	6.53	0.74	ppb	2196.84	1.62	3600	
Na	23	45	2	2158137.46	2158137.46	1.43	ppb	514822552.33	1.14	1800000	Sample Main Failed
Mg	24	45	2	12585.48	12585.48	2.88	ppb	1180560.89	1.17	450000	
Al	27	45	2	93.02	93.02	14.40	ppb	1680.24	14.29	450000	
K	39	45	2	8229.79	8229.79	0.92	ppb	345931.45	1.65	180000	
Ca	44	45	2	182195.33	182195.33	0.97	ppb	413197.91	1.60	450000	
V	51	72	2	30.81	30.81	5.06	ppb	28463.20	5.22	3600	
Cr	52	72	2	10.16	10.16	6.46	ppb	13552.71	4.62	3600	
Mn	55	72	2	11.04	11.04	12.96	ppb	5174.48	10.45	3600	
Fe	57	72	2	74.04	74.04	9.86	ppb	2127.00	6.67	90000	
Co	59	72	2	8.40	8.40	6.20	ppb	23370.38	5.13	3600	
Ni	60	72	2	7.94	7.94	7.17	ppb	6575.05	5.34	3600	
Cu	63	72	2	7.19	7.19	5.47	ppb	18491.10	3.65	3600	
Zn	66	72	2	7.68	7.68	16.93	ppb	1773.58	13.92	3600	
As	75	72	2	153.78	153.78	5.36	ppb	16291.35	3.06	3600	
Se	78	72	1	84.02	84.02	0.41	ppb	32225.06	0.48	3600	
Nb	93	72	2	0.22	0.22	28.64	ppb	780.08	24.73	7200	
Mo	95	115	2	73.01	73.01	3.29	ppb	66194.37	3.10	3600	
Pd	105	115	2	0.02	0.02	119.17	ppb	46.67	107.86	3600	
Ag	107	115	2	6.11	6.11	2.24	ppb	24946.65	3.61	900	
Cd	111	115	2	5.80	5.80	19.77	ppb	2240.33	21.26	3600	
Sn	120	115	2	8.28	8.28	1.44	ppb	7428.93	3.00	3600	
Sb	121	115	2	7.70	7.70	5.23	ppb	3974.12	6.80	3600	
Ba	137	115	2	11.60	11.60	10.37	ppb	2340.37	9.05	3600	
W	182	165	2	0.00	0.00	-443.83	ppb	793.43	10.19	3600	
Pt	195	165	2	0.03	0.03	72.48	ppb	140.02	51.51	3600	
Tl	205	165	2	6.92	6.92	2.92	ppb	49533.21	1.70	3600	
Pb	208	165	2	6.70	6.70	1.52	ppb	60784.37	0.32	3600	
Th	232	165	2	7.26	7.26	1.96	ppb	61877.34	1.83	3600	
U	238	165	2	7.16	7.16	2.95	ppb	75623.70	1.73	3600	

QC ISTD Table

Element	m/z	Tune Step	CPS	%RSD	Ref CPS	%Rec	Lower Limit	Upper Limit	QC Flag
Li6	6	1	1278594	1.36	1635461	78.2	60	125	
Sc (IS)	45	2	975349	2.43	1250863	78.0	60	125	
Ge (IS)	72	1	12323725	0.16	21507298	57.3	60	125	IS Main Failed
Ge (IS)	72	2	1003899	2.44	1624588	61.8	60	125	
115In	115	2	2919083	1.71	4724621	61.8	60	125	
Ho-165	165	2	16886709	1.21	27285436	61.9	60	125	

TuneStep	TuneFile	TuneDate
1	h2_hmi.u	5/1/2012 7:06:00 PM
2	he_hmi.u	5/1/2012 7:06:00 PM

Sample Report

Sample Name	280-28117-E-13-B pds@5
Data File Name	110SMPL.D
DataPath	d:\DATA\050112a.B
Acq Date Time	2012-05-01T19:11:00-06:00
Type	Sample
VialNumber	2203
Dilution	1
Comment	117067 6020
Operator	LMT
ISTDRefDataFileName	104CALB.D
SamplePassFail	Fail
ISTD PassFail	Pass

QC Analyte Table

Element	m/z	ISTD	Tune Step	Meas Value	FinalConc	%RSD	Units	CPS	CPS%RSD	High Value	QC Flag
Be	9	6	1	254.38	254.38	2.42	ppb	88838.62	1.44	3600	
Na	23	45	2	2287729.34	2287729.34	0.90	ppb	540799791.94	1.85	1800000	Sample Main Failed
Mg	24	45	2	13603.45	13603.45	1.02	ppb	1264804.23	2.22	450000	
Al	27	45	2	91.16	91.16	13.27	ppb	1633.54	14.14	450000	
K	39	45	2	8732.10	8732.10	2.53	ppb	363636.21	3.55	180000	
Ca	44	45	2	193961.03	193961.03	0.35	ppb	435863.76	1.54	450000	
V	51	72	2	407.81	407.81	0.51	ppb	373948.81	1.62	3600	
Cr	52	72	2	358.17	358.17	1.75	ppb	470419.79	1.32	3600	
Mn	55	72	2	330.89	330.89	0.45	ppb	152903.14	1.49	3600	
Fe	57	72	2	105.68	105.68	2.14	ppb	2947.22	1.04	90000	
Co	59	72	2	324.88	324.88	1.93	ppb	897370.69	1.92	3600	
Ni	60	72	2	302.36	302.36	1.74	ppb	243645.94	2.06	3600	
Cu	63	72	2	288.30	288.30	1.18	ppb	677115.51	1.88	3600	
Zn	66	72	2	250.76	250.76	0.62	ppb	50600.71	1.42	3600	
As	75	72	2	456.93	456.93	2.41	ppb	48072.11	2.01	3600	
Se	78	72	1	366.64	366.64	1.27	ppb	141401.19	1.37	3600	
Nb	93	72	2	0.26	0.26	33.08	ppb	913.44	30.68	7200	
Mo	95	115	2	405.35	405.35	0.56	ppb	354322.47	1.31	3600	
Pd	105	115	2	0.06	0.06	63.23	ppb	113.35	61.98	3600	
Ag	107	115	2	241.09	241.09	1.27	ppb	948181.47	1.81	900	
Cd	111	115	2	241.84	241.84	2.47	ppb	88723.07	2.01	3600	
Sn	120	115	2	300.53	300.53	0.35	ppb	252730.07	1.81	3600	
Sb	121	115	2	292.18	292.18	0.87	ppb	142272.03	2.68	3600	
Ba	137	115	2	307.91	307.91	2.64	ppb	59996.00	4.32	3600	
W	182	165	2	0.03	0.03	11.38	ppb	920.11	2.17	3600	
Pt	195	165	2	0.05	0.05	48.64	ppb	220.02	39.63	3600	
Tl	205	165	2	273.64	273.64	0.82	ppb	1864442.78	0.95	3600	
Pb	208	165	2	259.29	259.29	0.69	ppb	2213822.03	1.14	3600	
Th	232	165	2	288.69	288.69	1.79	ppb	2344960.43	2.28	3600	
U	238	165	2	280.76	280.76	1.34	ppb	2828651.21	1.85	3600	

QC ISTD Table

Element	m/z	Tune Step	CPS	%RSD	Ref CPS	%Rec	Lower Limit	Upper Limit	QC Flag
Li6	6	1	1327127	1.00	1635461	81.1	60	125	
Sc (IS)	45	2	966286	1.26	1250863	77.2	60	125	
Ge (IS)	72	1	12394411	1.06	21507298	57.6	60	125	IS Main Failed
Ge (IS)	72	2	997052	1.93	1624588	61.4	60	125	
115In	115	2	2815361	1.84	4724621	59.6	60	125	IS Main Failed
Ho-165	165	2	16100119	0.50	27285436	59.0	60	125	IS Main Failed

TuneStep	TuneFile	TuneDate
1	h2_hmi.u	5/1/2012 7:09:00 PM
2	he_hmi.u	5/1/2012 7:09:00 PM

Continuing Calibration Verification (CCV) - US EPA Method 6020

Sample Name	ccv-1392320
Data File Name	1116CCV.D
DataPath	d:\DATA\050112a.B
Acq Date Time	2012-05-01T19:14:02-06:00
Type	6-CCV
VialNumber	1106
Dilution	1
Comment	
Operator	LMT
ISTDRefDataFileName	104CALB.D
SamplePassFail	Fail
ISTD PassFail	Pass

QC Analyte Table

Element	m/z	ISTD	Tune Step	Meas Value	%RSD	Units	CPS	CPS%RSD	Exp Value	%Rec	QC Low	QC High	QC Flag
Be	9	6	1	46.58	1.54	ppb	24527.69	1.16	50	93.2	90	110	
Na	23	45	2	5694.48	1.45	ppb	1883727.00	1.29	5000	113.9	90	110	6-CCV Main Failed
Mg	24	45	2	5149.90	1.02	ppb	629815.24	0.38	5000	103.0	90	110	
Al	27	45	2	5088.60	1.11	ppb	118316.25	0.61	5000	101.8	90	110	
K	39	45	2	5029.95	0.59	ppb	276354.12	1.66	5000	100.6	90	110	
Ca	44	45	2	4938.82	0.54	ppb	14647.00	1.66	5000	98.8	90	110	
V	51	72	2	51.11	2.81	ppb	75959.03	3.40	50	102.2	90	110	
Cr	52	72	2	52.14	1.04	ppb	111139.38	1.61	50	104.3	90	110	
Mn	55	72	2	50.54	1.98	ppb	37902.08	2.72	50	101.1	90	110	
Fe	57	72	2	5213.61	1.29	ppb	222442.41	1.60	5000	104.3	90	110	
Co	59	72	2	52.27	2.25	ppb	233926.76	1.52	50	104.5	90	110	
Ni	60	72	2	51.83	1.92	ppb	67857.36	2.64	50	103.7	90	110	
Cu	63	72	2	56.21	0.56	ppb	215837.43	0.70	50	112.4	90	110	6-CCV Main Failed
Zn	66	72	2	53.42	0.98	ppb	17743.48	0.23	50	106.8	90	110	
As	75	72	2	51.41	3.86	ppb	8789.15	3.54	50	102.8	90	110	
Se	78	72	1	49.64	2.32	ppb	37402.92	2.34	50	99.3	90	110	
Nb	93	72	2	101.81	1.55	ppb	507642.53	0.82	100	101.8	90	110	
Mo	95	115	2	53.23	1.93	ppb	74809.12	2.36	50	106.5	90	110	
Pd	105	115	2	53.13	1.98	ppb	146262.29	1.57	50	106.3	90	110	
Ag	107	115	2	52.87	2.10	ppb	334148.63	1.88	50	105.7	90	110	
Cd	111	115	2	51.60	0.50	ppb	30455.61	0.94	50	103.2	90	110	
Sn	120	115	2	50.70	0.95	ppb	68774.02	1.12	50	101.4	90	110	
Sb	121	115	2	52.49	1.33	ppb	41172.35	1.15	50	105.0	90	110	
Ba	137	115	2	51.14	2.74	ppb	16002.34	2.36	50	102.3	90	110	
W	182	165	2	52.35	1.43	ppb	377514.24	0.72	50	104.7	90	110	
Pt	195	165	2	53.25	0.74	ppb	330658.45	1.23	50	106.5	90	110	
Tl	205	165	2	51.99	0.85	ppb	589305.93	1.24	50	104.0	90	110	
Pb	208	165	2	51.33	0.86	ppb	729879.16	0.58	50	102.7	90	110	
Th	232	165	2	53.55	1.74	ppb	723362.65	1.06	50	107.1	90	110	
U	238	165	2	50.31	1.24	ppb	843046.42	1.28	50	100.6	90	110	

QC ISTD Table

Element	m/z	Tune Step	CPS	%RSD	Ref CPS	%Rec	QC Low	QC High	QC Flag
Li6	6	1	2000713	0.60	1635461	122.3	60	125	
Sc (IS)	45	2	1270661	1.34	1250863	101.6	60	125	
Ge (IS)	72	1	24203139	0.13	21507298	112.5	60	125	
Ge (IS)	72	2	1615074	0.75	1624588	99.4	60	125	
115In	115	2	4523286	0.44	4724621	95.7	60	125	
Ho-165	165	2	26777307	0.72	27285436	98.1	60	125	

TuneStep	TuneFile
1	h2_hmi.u
2	he_hmi.u

Continuing Calibration Blank (CCB) - US EPA Method 6020

Sample Name	ccb-1392356
Data File Name	1126CCB.D
DataPath	d:\DATA\050112a.B
Acq Date Time	2012-05-01T19:16:59-06:00
Type	6-CCB
VialNumber	1306
Dilution	1
Comment	
Operator	LMT
ISTDRefDataFileName	104CALB.D
SamplePassFail	Fail
ISTD PassFail	Pass

QC Analyte Table

Element	m/z	ISTD	Tune Step	Meas Value	%RSD	Units	CPS	CPS %RSD	QC High	QC Flag
Be	9	6	1	0.02	123.10	ppb	8.33	124.90	1	
Na	23	45	2	208.82	4.79	ppb	180079.22	2.33	20	6-CCB Main Failed
Mg	24	45	2	0.09	1128.57	ppb	453.38	26.96	20	
Al	27	45	2	3.13	50.87	ppb	100.01	34.64	20	
K	39	45	2	1.34	179.96	ppb	2313.68	3.90	20	
Ca	44	45	2	13.34	132.00	ppb	93.34	53.93	20	
V	51	72	2	0.08	23.43	ppb	161.62	15.57	1	
Cr	52	72	2	0.06	60.79	ppb	340.03	21.21	1	
Mn	55	72	2	0.14	83.64	ppb	186.69	48.31	1	
Fe	57	72	2	4.74	33.91	ppb	473.38	12.91	20	
Co	59	72	2	0.03	38.50	ppb	173.35	29.04	1	
Ni	60	72	2	0.07	103.73	ppb	326.69	28.93	1	
Cu	63	72	2	0.05	156.61	ppb	2640.42	12.65	1	
Zn	66	72	2	-0.15	-188.64	ppb	306.69	29.41	5	
As	75	72	2	0.16	18.24	ppb	56.67	10.19	5	
Se	78	72	1	0.05	93.16	ppb	54.67	66.39	5	
Nb	93	72	2	0.80	15.62	ppb	4174.26	15.31	5	
Mo	95	115	2	0.11	70.63	ppb	206.69	55.03	1	
Pd	105	115	2	0.05	65.09	ppb	146.68	61.49	1	
Ag	107	115	2	0.01	31.40	ppb	146.68	20.83	1	
Cd	111	115	2	0.14	104.13	ppb	126.68	65.74	1	
Sn	120	115	2	0.25	19.03	ppb	680.08	7.78	5	
Sb	121	115	2	0.32	51.99	ppb	393.38	35.72	0.2	6-CCB Main Failed
Ba	137	115	2	0.06	173.21	ppb	20.00	173.21	1	
W	182	165	2	0.05	28.52	ppb	1633.56	7.07	1	
Pt	195	165	2	0.02	57.02	ppb	213.35	39.03	1	
Tl	205	165	2	0.05	17.19	ppb	726.74	13.01	1	
Pb	208	165	2	0.01	257.64	ppb	1433.48	18.00	1	
Th	232	165	2	0.14	15.94	ppb	2053.67	16.34	1	
U	238	165	2	0.04	12.56	ppb	733.42	11.02	1	

QC ISTD Table

Element	m/z	Tune Step	CPS	%RSD	Ref CPS	%Rec	QC Low	QC High	QC Flag
Li6	6	1	1846332	4.00	1635461	112.9	60	125	
Sc (IS)	45	2	1278799	2.24	1250863	102.2	60	125	
Ge (IS)	72	1	23324945	1.52	21507298	108.5	60	125	
Ge (IS)	72	2	1615390	1.89	1624588	99.4	60	125	
115In	115	2	4604669	2.08	4724621	97.5	60	125	
Ho-165	165	2	26927857	1.34	27285436	98.7	60	125	

TuneStep	TuneFile
1	h2_hmi.u
2	he_hmi.u

Sample Report

Sample Name	280-28063-b-1-b@5
Data File Name	113SMPL.D
DataPath	d:\DATA\050112a.B
Acq Date Time	2012-05-01T19:19:56-06:00
Type	Sample
VialNumber	2301
Dilution	1
Comment	116805 6020
Operator	LMT
ISTDRefDataFileName	104CALB.D
SamplePassFail	Pass
ISTD PassFail	Pass

QC Analyte Table

Element	m/z	ISTD	Tune Step	Meas Value	FinalConc	%RSD	Units	CPS	CPS %RSD	High Value	QC Flag
Be	9	6	1	0.05	0.05	52.38	ppb	25.00	52.92	3600	
Na	23	45	2	17747.64	17747.64	0.94	ppb	5724482.62	1.02	1800000	
Mg	24	45	2	108.68	108.68	3.16	ppb	13952.98	2.55	450000	
Al	27	45	2	3.64	3.64	49.07	ppb	113.34	36.73	450000	
K	39	45	2	65.59	65.59	17.15	ppb	5901.54	11.05	180000	
Ca	44	45	2	1924.02	1924.02	8.05	ppb	5834.85	7.82	450000	
V	51	72	2	0.25	0.25	39.66	ppb	413.91	35.65	3600	
Cr	52	72	2	0.46	0.46	24.16	ppb	1213.47	20.74	3600	
Mn	55	72	2	0.53	0.53	16.74	ppb	486.73	13.21	3600	
Fe	57	72	2	5.00	5.00	85.56	ppb	493.38	37.67	90000	
Co	59	72	2	0.08	0.08	24.98	ppb	393.37	23.49	3600	
Ni	60	72	2	0.30	0.30	26.14	ppb	633.41	15.58	3600	
Cu	63	72	2	0.25	0.25	23.37	ppb	3467.32	6.35	3600	
Zn	66	72	2	1.01	1.01	40.80	ppb	700.07	20.60	3600	
As	75	72	2	1.38	1.38	17.72	ppb	270.01	16.14	3600	
Se	78	72	1	0.63	0.63	18.35	ppb	477.35	17.26	3600	
Nb	93	72	2	0.32	0.32	28.08	ppb	1800.26	24.52	7200	
Mo	95	115	2	0.67	0.67	5.68	ppb	1020.13	5.19	3600	
Pd	105	115	2	0.02	0.02	113.06	ppb	60.01	100.00	3600	
Ag	107	115	2	0.07	0.07	22.51	ppb	520.06	19.23	900	
Cd	111	115	2	0.23	0.23	16.13	ppb	186.69	12.37	3600	
Sn	120	115	2	0.18	0.18	19.87	ppb	593.40	9.73	3600	
Sb	121	115	2	0.22	0.22	29.33	ppb	313.37	16.07	3600	
Ba	137	115	2	0.04	0.04	173.21	ppb	13.33	173.21	3600	
W	182	165	2	0.02	0.02	333.25	ppb	1426.86	25.44	3600	
Pt	195	165	2	0.01	0.01	181.39	ppb	100.01	60.00	3600	
Tl	205	165	2	0.07	0.07	37.73	ppb	913.45	31.15	3600	
Pb	208	165	2	0.10	0.10	4.69	ppb	2767.02	2.74	3600	
Th	232	165	2	0.27	0.27	16.34	ppb	3780.81	15.58	3600	
U	238	165	2	0.08	0.08	10.89	ppb	1386.86	11.20	3600	

QC ISTD Table

Element	m/z	Tune Step	CPS	%RSD	Ref CPS	%Rec	Lower Limit	Upper Limit	QC Flag
Li6	6	1	1863508	1.35	1635461	113.9	60	125	
Sc (IS)	45	2	1292013	0.51	1250863	103.3	60	125	
Ge (IS)	72	1	23621029	0.71	21507298	109.8	60	125	
Ge (IS)	72	2	1642529	0.98	1624588	101.1	60	125	
115In	115	2	4676102	1.15	4724621	99.0	60	125	
Ho-165	165	2	27361216	0.56	27285436	100.3	60	125	

TuneStep	TuneFile	TuneDate
1	h2_hmi.u	5/1/2012 7:18:00 PM
2	he_hmi.u	5/1/2012 7:18:00 PM

Sample Report

Sample Name	280-28063-e-2-b@5
Data File Name	114SMPL.D
DataPath	d:\DATA\050112a.B
Acq Date Time	2012-05-01T19:22:53-06:00
Type	Sample
VialNumber	2302
Dilution	1
Comment	116805 6020
Operator	LMT
ISTDRefDataFileName	104CALB.D
SamplePassFail	Fail
ISTD PassFail	Pass

QC Analyte Table

Element	m/z	ISTD	Tune Step	Meas Value	FinalConc	%RSD	Units	CPS	CPS %RSD	High Value	QC Flag
Be	9	6	1	0.01	0.01	87.56	ppb	3.33	86.60	3600	
Na	23	45	2	1446965.03	1446965.03	2.80	ppb	375784941.07	1.65	1800000	
Mg	24	45	2	30408.89	30408.89	2.81	ppb	3105197.25	1.41	450000	
Al	27	45	2	319.22	319.22	8.46	ppb	6228.30	9.76	450000	
K	39	45	2	4634.69	4634.69	2.78	ppb	212864.72	1.40	180000	
Ca	44	45	2	180081.22	180081.22	3.19	ppb	444531.19	1.91	450000	
V	51	72	2	4.64	4.64	11.28	ppb	4803.21	10.73	3600	
Cr	52	72	2	1.05	1.05	6.25	ppb	1700.23	6.23	3600	
Mn	55	72	2	7.81	7.81	15.99	ppb	4107.56	16.63	3600	
Fe	57	72	2	293.96	293.96	2.92	ppb	8862.87	2.18	90000	
Co	59	72	2	0.18	0.18	12.19	ppb	593.39	12.76	3600	
Ni	60	72	2	0.56	0.56	34.84	ppb	666.74	26.89	3600	
Cu	63	72	2	0.26	0.26	26.87	ppb	2373.72	7.83	3600	
Zn	66	72	2	2.84	2.84	7.88	ppb	886.78	4.70	3600	
As	75	72	2	4.10	4.10	23.63	ppb	503.37	21.89	3600	
Se	78	72	1	56.28	56.28	17.52	ppb	21391.63	6.79	3600	
Nb	93	72	2	0.32	0.32	3.49	ppb	1226.82	3.40	7200	
Mo	95	115	2	26.66	26.66	4.27	ppb	27510.46	3.87	3600	
Pd	105	115	2	0.02	0.02	62.56	ppb	53.34	57.29	3600	
Ag	107	115	2	0.01	0.01	60.10	ppb	93.34	32.73	900	
Cd	111	115	2	0.02	0.02	274.91	ppb	40.00	50.01	3600	
Sn	120	115	2	0.20	0.20	39.46	ppb	440.05	18.18	3600	
Sb	121	115	2	0.12	0.12	94.15	ppb	166.68	38.57	3600	
Ba	137	115	2	3.22	3.22	23.24	ppb	740.09	23.09	3600	
W	182	165	2	0.10	0.10	43.95	ppb	1420.18	16.00	3600	
Pt	195	165	2	0.04	0.04	15.20	ppb	206.69	11.17	3600	
Tl	205	165	2	0.01	0.01	87.02	ppb	200.02	40.00	3600	
Pb	208	165	2	0.13	0.13	3.24	ppb	2273.64	1.34	3600	
Th	232	165	2	0.33	0.33	12.80	ppb	3300.65	11.80	3600	
U	238	165	2	0.68	0.68	3.75	ppb	8216.34	4.53	3600	

QC ISTD Table

Element	m/z	Tune Step	CPS	%RSD	Ref CPS	%Rec	Lower Limit	Upper Limit	QC Flag
Li6	6	1	1244510	8.85	1635461	76.1	60	125	
Sc (IS)	45	2	1061770	1.40	1250863	84.9	60	125	
Ge (IS)	72	1	12376121	11.45	21507298	57.5	60	125	IS Main Failed
Ge (IS)	72	2	1118602	1.08	1624588	68.9	60	125	
115In	115	2	3319761	0.40	4724621	70.3	60	125	
Ho-165	165	2	19217144	0.80	27285436	70.4	60	125	

TuneStep	TuneFile	TuneDate
1	h2_hmi.u	5/1/2012 7:21:00 PM
2	he_hmi.u	5/1/2012 7:21:00 PM

Sample Report

Sample Name	280-28063-e-3-b@5
Data File Name	115SMPL.D
DataPath	d:\DATA\050112a.B
Acq Date Time	2012-05-01T19:25:49-06:00
Type	Sample
VialNumber	2303
Dilution	1
Comment	116805 6020
Operator	LMT
ISTDRefDataFileName	104CALB.D
SamplePassFail	Fail
ISTD PassFail	Pass

QC Analyte Table

Element	m/z	ISTD	Tune Step	Meas Value	FinalConc	%RSD	Units	CPS	CPS%RSD	High Value	QC Flag
Be	9	6	1	0.02	0.02	43.16	ppb	6.67	43.30	3600	
Na	23	45	2	4384191.43	4384191.43	0.46	ppb	968365932.24	2.28	1800000	Sample Main Failed
Mg	24	45	2	57992.95	57992.95	0.41	ppb	5037293.16	2.31	450000	
Al	27	45	2	98.45	98.45	20.07	ppb	1640.21	17.07	450000	
K	39	45	2	14963.39	14963.39	0.93	ppb	581208.05	3.53	180000	
Ca	44	45	2	288557.70	288557.70	0.25	ppb	605981.75	2.88	450000	
V	51	72	2	2.07	2.07	12.81	ppb	1597.14	10.75	3600	
Cr	52	72	2	0.68	0.68	23.07	ppb	853.42	18.21	3600	
Mn	55	72	2	21.64	21.64	13.42	ppb	8336.00	12.25	3600	
Fe	57	72	2	137.74	137.74	5.41	ppb	3147.22	3.61	90000	
Co	59	72	2	0.08	0.08	83.97	ppb	200.02	78.10	3600	
Ni	60	72	2	0.27	0.27	51.04	ppb	300.03	29.06	3600	
Cu	63	72	2	0.13	0.13	59.26	ppb	1506.86	12.62	3600	
Zn	66	72	2	0.70	0.70	60.18	ppb	300.03	23.10	3600	
As	75	72	2	0.88	0.88	69.72	ppb	93.34	59.01	3600	
Se	78	72	1	6.82	6.82	4.35	ppb	1866.80	3.29	3600	
Nb	93	72	2	0.20	0.20	26.84	ppb	600.07	20.28	7200	
Mo	95	115	2	30.52	30.52	5.76	ppb	22496.12	2.67	3600	
Pd	105	115	2	0.07	0.07	58.32	ppb	106.68	57.29	3600	
Ag	107	115	2	0.01	0.01	59.40	ppb	66.67	34.65	900	
Cd	111	115	2	-0.03	-0.03	-116.22	ppb	13.33	86.60	3600	
Sn	120	115	2	0.32	0.32	57.54	ppb	400.04	31.23	3600	
Sb	121	115	2	0.41	0.41	39.70	ppb	240.02	30.05	3600	
Ba	137	115	2	8.41	8.41	21.85	ppb	1386.87	24.58	3600	
W	182	165	2	0.00	0.00	-1622.64	ppb	626.74	14.74	3600	
Pt	195	165	2	0.01	0.01	67.20	ppb	66.67	34.65	3600	
Tl	205	165	2	0.01	0.01	60.76	ppb	153.35	32.83	3600	
Pb	208	165	2	0.03	0.03	48.68	ppb	866.76	13.52	3600	
Th	232	165	2	0.20	0.20	8.49	ppb	1393.51	9.23	3600	
U	238	165	2	0.10	0.10	12.63	ppb	846.77	13.01	3600	

QC ISTD Table

Element	m/z	Tune Step	CPS	%RSD	Ref CPS	%Rec	Lower Limit	Upper Limit	QC Flag
Li6	6	1	1098989	0.49	1635461	67.2	60	125	
Sc (IS)	45	2	903041	2.73	1250863	72.2	60	125	
Ge (IS)	72	1	8769949	1.12	21507298	40.8	60	125	IS Main Failed
Ge (IS)	72	2	828225	2.95	1624588	51.0	60	125	IS Main Failed
115In	115	2	2374744	3.08	4724621	50.3	60	125	IS Main Failed
Ho-165	165	2	13109363	1.59	27285436	48.0	60	125	IS Main Failed

TuneStep	TuneFile	TuneDate
1	h2_hmi.u	5/1/2012 7:24:00 PM
2	he_hmi.u	5/1/2012 7:24:00 PM

Sample Report

Sample Name	280-28063-e-4-b@5
Data File Name	116SMPL.D
DataPath	d:\DATA\050112a.B
Acq Date Time	2012-05-01T19:28:52-06:00
Type	Sample
VialNumber	2304
Dilution	1
Comment	116805 6020
Operator	LMT
ISTDRefDataFileName	104CALB.D
SamplePassFail	Pass
ISTD PassFail	Pass

QC Analyte Table

Element	m/z	ISTD	Tune Step	Meas Value	FinalConc	%RSD	Units	CPS	CPS %RSD	High Value	QC Flag
Be	9	6	1	0.04	0.04	45.33	ppb	16.67	45.83	3600	
Na	23	45	2	995164.08	995164.08	1.32	ppb	270422382.64	0.49	1800000	
Mg	24	45	2	41821.97	41821.97	1.33	ppb	4467965.04	0.61	450000	
Al	27	45	2	188.05	188.05	11.39	ppb	3847.44	12.09	450000	
K	39	45	2	5011.60	5011.60	1.43	ppb	240654.51	0.44	180000	
Ca	44	45	2	176009.67	176009.67	2.65	ppb	454538.25	1.72	450000	
V	51	72	2	12.29	12.29	11.70	ppb	13630.75	11.54	3600	
Cr	52	72	2	0.52	0.52	12.98	ppb	986.79	10.40	3600	
Mn	55	72	2	3.11	3.11	15.63	ppb	1793.58	13.95	3600	
Fe	57	72	2	167.50	167.50	6.75	ppb	5521.34	5.83	90000	
Co	59	72	2	0.10	0.10	40.48	ppb	353.37	35.95	3600	
Ni	60	72	2	0.34	0.34	16.94	ppb	506.72	9.93	3600	
Cu	63	72	2	0.07	0.07	152.32	ppb	2013.62	13.23	3600	
Zn	66	72	2	1.05	1.05	46.23	ppb	520.06	21.42	3600	
As	75	72	2	41.10	41.10	3.05	ppb	5241.02	2.20	3600	
Se	78	72	1	37.62	37.62	0.39	ppb	17211.10	1.90	3600	
Nb	93	72	2	0.14	0.14	62.12	ppb	633.41	50.56	7200	
Mo	95	115	2	13.93	13.93	3.32	ppb	15000.74	3.10	3600	
Pd	105	115	2	0.05	0.05	96.62	ppb	100.01	91.65	3600	
Ag	107	115	2	0.00	0.00	326.87	ppb	60.00	88.20	900	
Cd	111	115	2	0.07	0.07	36.06	ppb	66.68	17.32	3600	
Sn	120	115	2	0.28	0.28	24.69	ppb	540.07	12.83	3600	
Sb	121	115	2	-0.02	-0.02	-1020.79	ppb	93.34	98.98	3600	
Ba	137	115	2	3.59	3.59	20.29	ppb	860.11	20.67	3600	
W	182	165	2	0.00	0.00	-4196.92	ppb	973.47	20.79	3600	
Pt	195	165	2	0.00	0.00	213.08	ppb	73.34	68.64	3600	
Tl	205	165	2	0.01	0.01	67.04	ppb	220.02	32.78	3600	
Pb	208	165	2	0.03	0.03	35.26	ppb	1366.81	9.74	3600	
Th	232	165	2	0.13	0.13	17.68	ppb	1433.54	17.33	3600	
U	238	165	2	5.22	5.22	1.69	ppb	66270.69	1.78	3600	

QC ISTD Table

Element	m/z	Tune Step	CPS	%RSD	Ref CPS	%Rec	Lower Limit	Upper Limit	QC Flag
Li6	6	1	1503987	0.51	1635461	92.0	60	125	
Sc (IS)	45	2	1110662	0.99	1250863	88.8	60	125	
Ge (IS)	72	1	14694070	2.12	21507298	68.3	60	125	
Ge (IS)	72	2	1203879	1.27	1624588	74.1	60	125	
115In	115	2	3460785	0.68	4724621	73.2	60	125	
Ho-165	165	2	20293836	0.90	27285436	74.4	60	125	

TuneStep	TuneFile	TuneDate
1	h2_hmi.u	5/1/2012 7:27:00 PM
2	he_hmi.u	5/1/2012 7:27:00 PM

Sample Report

Sample Name	280-28063-e-5-b@5
Data File Name	117SMPL.D
DataPath	d:\DATA\050112a.B
Acq Date Time	2012-05-01T19:31:49-06:00
Type	Sample
VialNumber	2305
Dilution	1
Comment	116805 6020
Operator	LMT
ISTDRefDataFileName	104CALB.D
SamplePassFail	Fail
ISTD PassFail	Pass

QC Analyte Table

Element	m/z	ISTD	Tune Step	Meas Value	FinalConc	%RSD	Units	CPS	CPS%RSD	High Value	QC Flag
Be	9	6	1	0.01	0.01	173.21	ppb	5.00	173.21	3600	
Na	23	45	2	2357837.38	2357837.38	1.87	ppb	611022537.56	1.14	1800000	Sample Main Failed
Mg	24	45	2	32692.95	32692.95	2.83	ppb	3331057.24	0.80	450000	
Al	27	45	2	37.28	37.28	12.94	ppb	746.75	14.75	450000	
K	39	45	2	4911.78	4911.78	1.78	ppb	225040.03	1.91	180000	
Ca	44	45	2	175013.18	175013.18	1.63	ppb	431347.56	3.74	450000	
V	51	72	2	2.46	2.46	18.10	ppb	2379.16	18.96	3600	
Cr	52	72	2	0.38	0.38	23.02	ppb	653.41	18.70	3600	
Mn	55	72	2	2.21	2.21	25.92	ppb	1120.16	26.31	3600	
Fe	57	72	2	45.66	45.66	20.40	ppb	1426.84	17.13	90000	
Co	59	72	2	0.02	0.02	16.80	ppb	86.68	13.32	3600	
Ni	60	72	2	0.09	0.09	76.77	ppb	226.68	26.96	3600	
Cu	63	72	2	0.00	0.00	-8340.02	ppb	1580.19	12.08	3600	
Zn	66	72	2	1.73	1.73	14.17	ppb	593.40	7.02	3600	
As	75	72	2	1.65	1.65	40.65	ppb	200.01	36.06	3600	
Se	78	72	1	17.56	17.56	0.62	ppb	6222.51	3.81	3600	
Nb	93	72	2	0.07	0.07	27.25	ppb	346.70	17.63	7200	
Mo	95	115	2	35.67	35.67	2.22	ppb	33120.57	1.28	3600	
Pd	105	115	2	0.02	0.02	112.26	ppb	40.00	100.00	3600	
Ag	107	115	2	0.00	0.00	-788.97	ppb	33.34	91.66	900	
Cd	111	115	2	0.16	0.16	33.55	ppb	93.34	24.74	3600	
Sn	120	115	2	0.19	0.19	66.76	ppb	386.72	26.55	3600	
Sb	121	115	2	-0.07	-0.07	-137.17	ppb	53.34	94.37	3600	
Ba	137	115	2	2.68	2.68	7.29	ppb	553.39	4.17	3600	
W	182	165	2	-0.01	-0.01	-235.11	ppb	773.43	15.15	3600	
Pt	195	165	2	0.01	0.01	189.28	ppb	73.34	83.32	3600	
Tl	205	165	2	0.01	0.01	72.36	ppb	140.01	24.75	3600	
Pb	208	165	2	0.03	0.03	71.68	ppb	1140.13	18.23	3600	
Th	232	165	2	0.10	0.10	25.34	ppb	900.11	25.63	3600	
U	238	165	2	0.15	0.15	28.27	ppb	1653.60	29.69	3600	

QC ISTD Table

Element	m/z	Tune Step	CPS	%RSD	Ref CPS	%Rec	Lower Limit	Upper Limit	QC Flag
Li6	6	1	1278815	1.05	1635461	78.2	60	125	
Sc (IS)	45	2	1059675	2.70	1250863	84.7	60	125	
Ge (IS)	72	1	11373035	3.22	21507298	52.9	60	125	IS Main Failed
Ge (IS)	72	2	1040128	1.66	1624588	64.0	60	125	
115In	115	2	2989519	3.00	4724621	63.3	60	125	
Ho-165	165	2	16950049	2.24	27285436	62.1	60	125	

TuneStep	TuneFile	TuneDate
1	h2_hmi.u	5/1/2012 7:30:00 PM
2	he_hmi.u	5/1/2012 7:30:00 PM

Sample Report

Sample Name	280-28063-e-6-b@5
Data File Name	118SMPL.D
DataPath	d:\DATA\050112a.B
Acq Date Time	2012-05-01T19:34:50-06:00
Type	Sample
VialNumber	2306
Dilution	1
Comment	116805 6020
Operator	LMT
ISTDRefDataFileName	104CALB.D
SamplePassFail	Fail
ISTD PassFail	Pass

QC Analyte Table

Element	m/z	ISTD	Tune Step	Meas Value	FinalConc	%RSD	Units	CPS	CPS%RSD	High Value	QC Flag
Be	9	6	1	0.01	0.01	173.21	ppb	3.33	173.21	3600	
Na	23	45	2	1869501.56	1869501.56	3.13	ppb	492272472.66	0.33	1800000	Sample Main Failed
Mg	24	45	2	22690.70	22690.70	3.17	ppb	2349551.84	0.26	450000	
Al	27	45	2	16.66	16.66	46.25	ppb	353.37	45.76	450000	
K	39	45	2	5662.79	5662.79	4.35	ppb	263250.16	1.66	180000	
Ca	44	45	2	159580.20	159580.20	2.55	ppb	399494.37	0.48	450000	
V	51	72	2	3.96	3.96	3.82	ppb	3985.87	6.54	3600	
Cr	52	72	2	0.13	0.13	75.97	ppb	333.37	43.41	3600	
Mn	55	72	2	1.16	1.16	26.52	ppb	640.07	27.06	3600	
Fe	57	72	2	25.03	25.03	6.00	ppb	900.09	3.85	90000	
Co	59	72	2	0.00	0.00	145.66	ppb	40.00	50.01	3600	
Ni	60	72	2	0.29	0.29	55.08	ppb	406.71	32.00	3600	
Cu	63	72	2	0.08	0.08	77.62	ppb	1860.24	9.68	3600	
Zn	66	72	2	1.00	1.00	28.56	ppb	460.05	15.68	3600	
As	75	72	2	6.82	6.82	18.59	ppb	800.06	16.25	3600	
Se	78	72	1	6.50	6.50	6.77	ppb	2574.89	2.20	3600	
Nb	93	72	2	0.09	0.09	28.55	ppb	420.04	20.76	7200	
Mo	95	115	2	57.98	57.98	3.87	ppb	56352.16	3.22	3600	
Pd	105	115	2	0.03	0.03	69.82	ppb	60.01	66.67	3600	
Ag	107	115	2	0.00	0.00	-712.10	ppb	33.34	124.90	900	
Cd	111	115	2	0.04	0.04	145.65	ppb	46.67	49.49	3600	
Sn	120	115	2	1.07	1.07	15.26	ppb	1220.16	11.47	3600	
Sb	121	115	2	-0.04	-0.04	-54.41	ppb	73.34	15.74	3600	
Ba	137	115	2	1.87	1.87	21.50	ppb	406.71	23.24	3600	
W	182	165	2	0.00	0.00	2076.61	ppb	866.76	16.21	3600	
Pt	195	165	2	0.01	0.01	103.58	ppb	93.34	53.93	3600	
Tl	205	165	2	0.00	0.00	-377.23	ppb	80.01	100.00	3600	
Pb	208	165	2	-0.02	-0.02	-63.50	ppb	666.74	19.98	3600	
Th	232	165	2	0.07	0.07	12.08	ppb	686.75	12.13	3600	
U	238	165	2	0.11	0.11	22.30	ppb	1280.18	23.02	3600	

QC ISTD Table

Element	m/z	Tune Step	CPS	%RSD	Ref CPS	%Rec	Lower Limit	Upper Limit	QC Flag
Li6	6	1	1370979	5.03	1635461	83.8	60	125	
Sc (IS)	45	2	1077017	2.99	1250863	86.1	60	125	
Ge (IS)	72	1	12720063	5.81	21507298	59.1	60	125	IS Main Failed
Ge (IS)	72	2	1086638	2.92	1624588	66.9	60	125	
115In	115	2	3129782	2.63	4724621	66.2	60	125	
Ho-165	165	2	17878059	1.92	27285436	65.5	60	125	

TuneStep	TuneFile	TuneDate
1	h2_hmi.u	5/1/2012 7:33:00 PM
2	he_hmi.u	5/1/2012 7:33:00 PM

Continuing Calibration Verification (CCV) - US EPA Method 6020

Sample Name	ccv-1392320
Data File Name	1196CCV.D
DataPath	d:\DATA\050112a.B
Acq Date Time	2012-05-01T19:37:50-06:00
Type	6-CCV
VialNumber	1106
Dilution	1
Comment	
Operator	LMT
ISTDRefDataFileName	104CALB.D
SamplePassFail	Fail
ISTD PassFail	Pass

QC Analyte Table

Element	m/z	ISTD	Tune Step	Meas Value	%RSD	Units	CPS	CPS%RSD	Exp Value	%Rec	QC Low	QC High	QC Flag
Be	9	6	1	48.09	1.47	ppb	23656.59	0.99	50	96.2	90	110	
Na	23	45	2	6120.37	3.57	ppb	1974488.41	2.73	5000	122.4	90	110	6-CCV Main Failed
Mg	24	45	2	5245.12	0.88	ppb	628297.01	0.14	5000	104.9	90	110	
Al	27	45	2	5059.04	1.79	ppb	115216.17	1.53	5000	101.2	90	110	
K	39	45	2	5018.59	0.85	ppb	270050.52	0.13	5000	100.4	90	110	
Ca	44	45	2	5256.10	5.23	ppb	15267.79	5.97	5000	105.1	90	110	
V	51	72	2	52.68	0.71	ppb	76851.67	0.36	50	105.4	90	110	
Cr	52	72	2	51.80	2.07	ppb	108378.07	1.68	50	103.6	90	110	
Mn	55	72	2	51.56	3.04	ppb	37955.29	3.07	50	103.1	90	110	
Fe	57	72	2	5100.16	0.78	ppb	213613.57	1.12	5000	102.0	90	110	
Co	59	72	2	51.77	2.27	ppb	227410.20	1.89	50	103.5	90	110	
Ni	60	72	2	53.88	2.97	ppb	69236.38	2.99	50	107.8	90	110	
Cu	63	72	2	55.66	1.30	ppb	209817.25	1.70	50	111.3	90	110	6-CCV Main Failed
Zn	66	72	2	52.24	3.40	ppb	17042.61	3.36	50	104.5	90	110	
As	75	72	2	49.03	3.68	ppb	8228.89	3.37	50	98.1	90	110	
Se	78	72	1	51.08	2.39	ppb	36609.34	1.72	50	102.2	90	110	
Nb	93	72	2	101.83	0.68	ppb	498432.92	0.95	100	101.8	90	110	
Mo	95	115	2	52.42	3.23	ppb	72464.94	3.06	50	104.8	90	110	
Pd	105	115	2	52.46	4.16	ppb	142051.58	3.12	50	104.9	90	110	
Ag	107	115	2	52.67	1.92	ppb	327450.85	0.94	50	105.3	90	110	
Cd	111	115	2	52.56	3.37	ppb	30509.17	2.39	50	105.1	90	110	
Sn	120	115	2	50.25	0.31	ppb	67059.83	1.26	50	100.5	90	110	
Sb	121	115	2	52.39	1.63	ppb	40429.57	2.61	50	104.8	90	110	
Ba	137	115	2	51.80	4.75	ppb	15942.24	3.70	50	103.6	90	110	
W	182	165	2	51.53	0.87	ppb	361979.84	1.01	50	103.1	90	110	
Pt	195	165	2	53.16	1.16	ppb	321537.49	1.15	50	106.3	90	110	
Tl	205	165	2	50.92	0.95	ppb	562117.61	0.70	50	101.8	90	110	
Pb	208	165	2	50.93	0.71	ppb	705375.08	0.84	50	101.9	90	110	
Th	232	165	2	49.80	0.58	ppb	655236.31	0.33	50	99.6	90	110	
U	238	165	2	49.79	1.55	ppb	812593.55	1.60	50	99.6	90	110	

QC ISTD Table

Element	m/z	Tune Step	CPS	%RSD	Ref CPS	%Rec	QC Low	QC High	QC Flag
Li6	6	1	1869014	0.49	1635461	114.3	60	125	
Sc (IS)	45	2	1244544	0.75	1250863	99.5	60	125	
Ge (IS)	72	1	23027835	0.79	21507298	107.1	60	125	
Ge (IS)	72	2	1585421	0.42	1624588	97.6	60	125	
115In	115	2	4449923	1.03	4724621	94.2	60	125	
Ho-165	165	2	26079809	0.26	27285436	95.6	60	125	

TuneStep	TuneFile
1	h2_hmi.u
2	he_hmi.u

Continuing Calibration Blank (CCB) - US EPA Method 6020

Sample Name	ccb-1392356
Data File Name	1206CCB.D
DataPath	d:\DATA\050112a.B
Acq Date Time	2012-05-01T19:40:48-06:00
Type	6-CCB
VialNumber	1306
Dilution	1
Comment	
Operator	LMT
ISTDRefDataFileName	104CALB.D
SamplePassFail	Fail
ISTD PassFail	Pass

QC Analyte Table

Element	m/z	ISTD	Tune Step	Meas Value	%RSD	Units	CPS	CPS %RSD	QC High	QC Flag
Be	9	6	1	0.01	101.85	ppb	5.00	100.00	1	
Na	23	45	2	288.91	9.33	ppb	206028.82	3.81	20	6-CCB Main Failed
Mg	24	45	2	1.79	98.37	ppb	666.73	32.91	20	
Al	27	45	2	2.51	140.05	ppb	86.68	96.08	20	
K	39	45	2	1.62	189.49	ppb	2340.39	7.00	20	
Ca	44	45	2	4.04	253.74	ppb	66.67	45.83	20	
V	51	72	2	0.00	609.13	ppb	47.89	78.12	1	
Cr	52	72	2	-0.02	-27.62	ppb	166.68	6.93	1	
Mn	55	72	2	0.20	19.83	ppb	226.69	13.48	1	
Fe	57	72	2	2.36	106.50	ppb	373.37	29.51	20	
Co	59	72	2	0.01	66.72	ppb	100.01	40.00	1	
Ni	60	72	2	0.02	182.21	ppb	260.03	20.35	1	
Cu	63	72	2	0.01	748.90	ppb	2507.07	14.98	1	
Zn	66	72	2	0.04	896.01	ppb	373.38	35.67	5	
As	75	72	2	-0.04	-312.15	ppb	23.33	89.21	5	
Se	78	72	1	0.04	45.48	ppb	50.67	32.87	5	
Nb	93	72	2	0.75	6.66	ppb	3907.43	6.60	5	
Mo	95	115	2	0.03	154.78	ppb	86.68	74.18	1	
Pd	105	115	2	0.05	15.49	ppb	140.01	14.28	1	
Ag	107	115	2	0.01	170.51	ppb	140.02	100.00	1	
Cd	111	115	2	0.07	75.18	ppb	86.67	35.25	1	
Sn	120	115	2	0.08	39.03	ppb	440.04	9.09	5	
Sb	121	115	2	-0.01	-1045.60	ppb	126.68	77.89	0.2	
Ba	137	115	2	0.02	173.21	ppb	6.67	173.21	1	
W	182	165	2	0.03	48.16	ppb	1500.20	5.33	1	
Pt	195	165	2	0.00	204.24	ppb	93.34	61.86	1	
Tl	205	165	2	0.02	73.23	ppb	360.04	43.39	1	
Pb	208	165	2	0.00	-276.23	ppb	1260.13	11.98	1	
Th	232	165	2	0.09	10.12	ppb	1360.19	7.78	1	
U	238	165	2	0.03	18.39	ppb	466.74	17.84	1	

QC ISTD Table

Element	m/z	Tune Step	CPS	%RSD	Ref CPS	%Rec	QC Low	QC High	QC Flag
Li6	6	1	1887783	3.11	1635461	115.4	60	125	
Sc (IS)	45	2	1284418	0.58	1250863	102.7	60	125	
Ge (IS)	72	1	24489210	3.24	21507298	113.9	60	125	
Ge (IS)	72	2	1617220	0.82	1624588	99.5	60	125	
115In	115	2	4605214	1.34	4724621	97.5	60	125	
Ho-165	165	2	26705360	1.65	27285436	97.9	60	125	

TuneStep	TuneFile
1	h2_hmi.u
2	he_hmi.u

Sample Report

Sample Name	280-28063-e-7-b@5
Data File Name	121SMPL.D
DataPath	d:\DATA\050112a.B
Acq Date Time	2012-05-01T19:43:47-06:00
Type	Sample
VialNumber	2307
Dilution	1
Comment	116805 6020
Operator	LMT
ISTDRefDataFileName	104CALB.D
SamplePassFail	Fail
ISTD PassFail	Pass

QC Analyte Table

Element	m/z	ISTD	Tune Step	Meas Value	FinalConc	%RSD	Units	CPS	CPS%RSD	High Value	QC Flag
Be	9	6	1	0.04	0.04	86.61	ppb	10.00	86.60	3600	
Na	23	45	2	4863213.68	4863213.68	0.57	ppb	1058008997.57	1.62	1800000	Sample Main Failed
Mg	24	45	2	68839.73	68839.73	0.89	ppb	5889564.71	1.94	450000	
Al	27	45	2	431.53	431.53	4.03	ppb	7041.96	4.83	450000	
K	39	45	2	8815.21	8815.21	2.48	ppb	337861.40	3.52	180000	
Ca	44	45	2	301047.46	301047.46	2.05	ppb	622654.82	2.74	450000	
V	51	72	2	2.46	2.46	14.97	ppb	1844.20	15.88	3600	
Cr	52	72	2	0.83	0.83	9.83	ppb	986.79	10.20	3600	
Mn	55	72	2	81.48	81.48	7.09	ppb	30394.46	6.82	3600	
Fe	57	72	2	496.49	496.49	0.58	ppb	10670.90	2.33	90000	
Co	59	72	2	0.34	0.34	17.06	ppb	766.76	14.83	3600	
Ni	60	72	2	0.71	0.71	38.92	ppb	573.39	30.48	3600	
Cu	63	72	2	0.32	0.32	46.22	ppb	1826.92	16.76	3600	
Zn	66	72	2	19.54	19.54	9.71	ppb	3340.60	7.06	3600	
As	75	72	2	1.51	1.51	20.56	ppb	143.34	20.14	3600	
Se	78	72	1	0.69	0.69	34.12	ppb	190.67	30.93	3600	
Nb	93	72	2	0.45	0.45	23.10	ppb	1200.17	23.16	7200	
Mo	95	115	2	23.16	23.16	5.82	ppb	16362.31	6.36	3600	
Pd	105	115	2	0.04	0.04	46.76	ppb	53.34	43.31	3600	
Ag	107	115	2	0.00	0.00	-1.30	ppb	20.00	0.00	900	
Cd	111	115	2	0.01	0.01	1110.23	ppb	26.67	173.21	3600	
Sn	120	115	2	0.26	0.26	57.77	ppb	340.03	29.41	3600	
Sb	121	115	2	0.17	0.17	92.20	ppb	133.34	45.83	3600	
Ba	137	115	2	8.26	8.26	32.31	ppb	1300.18	32.57	3600	
W	182	165	2	0.02	0.02	58.97	ppb	680.08	5.88	3600	
Pt	195	165	2	0.02	0.02	49.05	ppb	93.34	32.73	3600	
Tl	205	165	2	0.02	0.02	97.58	ppb	200.02	62.45	3600	
Pb	208	165	2	0.54	0.54	2.54	ppb	4240.62	1.70	3600	
Th	232	165	2	0.35	0.35	11.57	ppb	2253.70	11.92	3600	
U	238	165	2	0.33	0.33	8.20	ppb	2620.48	7.93	3600	

QC ISTD Table

Element	m/z	Tune Step	CPS	%RSD	Ref CPS	%Rec	Lower Limit	Upper Limit	QC Flag
Li6	6	1	1063711	0.58	1635461	65.0	60	125	
Sc (IS)	45	2	889354	1.06	1250863	71.1	60	125	
Ge (IS)	72	1	8690773	2.77	21507298	40.4	60	125	IS Main Failed
Ge (IS)	72	2	804225	2.07	1624588	49.5	60	125	IS Main Failed
115In	115	2	2272283	0.57	4724621	48.1	60	125	IS Main Failed
Ho-165	165	2	12590176	0.70	27285436	46.1	60	125	IS Main Failed

TuneStep	TuneFile	TuneDate
1	h2_hmi.u	5/1/2012 7:42:00 PM
2	he_hmi.u	5/1/2012 7:42:00 PM

Sample Report

Sample Name	280-28063-e-8-b@5
Data File Name	122SMPL.D
DataPath	d:\DATA\050112a.B
Acq Date Time	2012-05-01T19:46:49-06:00
Type	Sample
VialNumber	2308
Dilution	1
Comment	116805 6020
Operator	LMT
ISTDRefDataFileName	104CALB.D
SamplePassFail	Pass
ISTD PassFail	Pass

QC Analyte Table

Element	m/z	ISTD	Tune Step	Meas Value	FinalConc	%RSD	Units	CPS	CPS %RSD	High Value	QC Flag
Be	9	6	1	0.01	0.01	100.29	ppb	5.00	100.00	3600	
Na	23	45	2	1387028.17	1387028.17	0.55	ppb	372140434.45	0.82	1800000	
Mg	24	45	2	30926.93	30926.93	0.95	ppb	3262602.24	0.83	450000	
Al	27	45	2	56.95	56.95	13.36	ppb	1166.81	13.86	450000	
K	39	45	2	4321.06	4321.06	0.58	ppb	205176.41	1.76	180000	
Ca	44	45	2	160629.16	160629.16	0.57	ppb	409671.58	1.37	450000	
V	51	72	2	1.33	1.33	37.37	ppb	1443.94	36.93	3600	
Cr	52	72	2	0.13	0.13	6.28	ppb	353.37	3.27	3600	
Mn	55	72	2	6.86	6.86	5.89	ppb	3720.70	5.82	3600	
Fe	57	72	2	55.93	55.93	20.59	ppb	1893.59	17.69	90000	
Co	59	72	2	0.04	0.04	18.17	ppb	153.35	15.06	3600	
Ni	60	72	2	0.09	0.09	49.35	ppb	253.36	16.43	3600	
Cu	63	72	2	-0.02	-0.02	-235.28	ppb	1693.56	8.71	3600	
Zn	66	72	2	0.45	0.45	174.78	ppb	360.03	50.92	3600	
As	75	72	2	3.20	3.20	5.78	ppb	410.02	4.88	3600	
Se	78	72	1	37.71	37.71	1.15	ppb	17668.87	1.70	3600	
Nb	93	72	2	0.23	0.23	31.74	ppb	953.45	27.94	7200	
Mo	95	115	2	20.63	20.63	4.30	ppb	20900.81	4.09	3600	
Pd	105	115	2	0.01	0.01	52.11	ppb	26.67	43.30	3600	
Ag	107	115	2	0.00	0.00	96.19	ppb	53.34	21.66	900	
Cd	111	115	2	0.05	0.05	217.52	ppb	53.34	86.60	3600	
Sn	120	115	2	0.27	0.27	31.75	ppb	493.39	16.39	3600	
Sb	121	115	2	-0.08	-0.08	-116.48	ppb	53.34	94.38	3600	
Ba	137	115	2	2.37	2.37	13.07	ppb	533.39	13.17	3600	
W	182	165	2	0.01	0.01	593.33	ppb	946.79	23.37	3600	
Pt	195	165	2	0.02	0.02	95.77	ppb	113.35	56.73	3600	
Tl	205	165	2	0.01	0.01	73.31	ppb	193.35	33.26	3600	
Pb	208	165	2	0.04	0.04	9.44	ppb	1293.47	2.36	3600	
Th	232	165	2	0.13	0.13	9.33	ppb	1300.20	8.57	3600	
U	238	165	2	3.12	3.12	0.64	ppb	36892.94	0.44	3600	

QC ISTD Table

Element	m/z	Tune Step	CPS	%RSD	Ref CPS	%Rec	Lower Limit	Upper Limit	QC Flag
Li6	6	1	1522486	1.04	1635461	93.1	60	125	
Sc (IS)	45	2	1096693	1.32	1250863	87.7	60	125	
Ge (IS)	72	1	15047464	1.07	21507298	70.0	60	125	
Ge (IS)	72	2	1152759	0.74	1624588	71.0	60	125	
115In	115	2	3258489	0.24	4724621	69.0	60	125	
Ho-165	165	2	18891194	0.31	27285436	69.2	60	125	

TuneStep	TuneFile	TuneDate
1	h2_hmi.u	5/1/2012 7:45:00 PM
2	he_hmi.u	5/1/2012 7:45:00 PM

Sample Report

Sample Name	280-28063-e-9-b@5
Data File Name	123SMPL.D
DataPath	d:\DATA\050112a.B
Acq Date Time	2012-05-01T19:49:47-06:00
Type	Sample
VialNumber	2309
Dilution	1
Comment	116805 6020
Operator	LMT
ISTDRefDataFileName	104CALB.D
SamplePassFail	Fail
ISTD PassFail	Pass

QC Analyte Table

Element	m/z	ISTD	Tune Step	Meas Value	FinalConc	%RSD	Units	CPS	CPS%RSD	High Value	QC Flag
Be	9	6	1	0.00	0.00	173.21	ppb	1.67	173.21	3600	
Na	23	45	2	2268562.51	2268562.51	0.57	ppb	585862604.61	1.08	1800000	Sample Main Failed
Mg	24	45	2	61074.87	61074.87	1.06	ppb	6202063.45	1.27	450000	
Al	27	45	2	12.28	12.28	80.33	ppb	260.03	73.38	450000	
K	39	45	2	6077.62	6077.62	2.41	ppb	277043.84	2.84	180000	
Ca	44	45	2	209965.44	209965.44	0.63	ppb	515452.70	0.75	450000	
V	51	72	2	5.87	5.87	2.04	ppb	5698.68	0.99	3600	
Cr	52	72	2	0.06	0.06	49.30	ppb	226.69	18.37	3600	
Mn	55	72	2	8.40	8.40	9.74	ppb	4140.86	10.66	3600	
Fe	57	72	2	18.11	18.11	33.31	ppb	680.07	25.47	90000	
Co	59	72	2	0.06	0.06	36.96	ppb	186.69	32.73	3600	
Ni	60	72	2	0.44	0.44	32.42	ppb	526.72	22.89	3600	
Cu	63	72	2	0.13	0.13	66.37	ppb	1920.25	10.42	3600	
Zn	66	72	2	2.59	2.59	36.39	ppb	780.10	24.46	3600	
As	75	72	2	2.62	2.62	12.67	ppb	310.01	12.90	3600	
Se	78	72	1	4.20	4.20	1.26	ppb	1602.77	2.67	3600	
Nb	93	72	2	0.12	0.12	26.78	ppb	500.05	21.17	7200	
Mo	95	115	2	13.74	13.74	5.39	ppb	12578.81	5.01	3600	
Pd	105	115	2	0.03	0.03	71.29	ppb	60.01	66.67	3600	
Ag	107	115	2	0.00	0.00	-116.84	ppb	20.00	100.00	900	
Cd	111	115	2	0.06	0.06	251.89	ppb	53.34	114.57	3600	
Sn	120	115	2	0.14	0.14	9.46	ppb	333.36	3.47	3600	
Sb	121	115	2	-0.01	-0.01	-272.14	ppb	80.01	25.00	3600	
Ba	137	115	2	3.80	3.80	9.37	ppb	773.44	9.79	3600	
W	182	165	2	-0.02	-0.02	-206.07	ppb	720.08	27.36	3600	
Pt	195	165	2	0.02	0.02	100.66	ppb	100.01	60.00	3600	
Tl	205	165	2	0.02	0.02	95.10	ppb	220.03	55.30	3600	
Pb	208	165	2	0.01	0.01	503.12	ppb	886.75	30.29	3600	
Th	232	165	2	0.05	0.05	44.95	ppb	506.73	40.51	3600	
U	238	165	2	12.89	12.89	1.90	ppb	135622.48	1.67	3600	

QC ISTD Table

Element	m/z	Tune Step	CPS	%RSD	Ref CPS	%Rec	Lower Limit	Upper Limit	QC Flag
Li6	6	1	1356082	2.70	1635461	82.9	60	125	
Sc (IS)	45	2	1055664	0.56	1250863	84.4	60	125	
Ge (IS)	72	1	12192937	2.43	21507298	56.7	60	125	IS Main Failed
Ge (IS)	72	2	1050398	1.08	1624588	64.7	60	125	
115In	115	2	2942467	0.46	4724621	62.3	60	125	
Ho-165	165	2	16815362	1.42	27285436	61.6	60	125	

TuneStep	TuneFile	TuneDate
1	h2_hmi.u	5/1/2012 7:48:00 PM
2	he_hmi.u	5/1/2012 7:48:00 PM

Sample Report

Sample Name	280-28063-b-10-b@5
Data File Name	124SMPL.D
DataPath	d:\DATA\050112a.B
Acq Date Time	2012-05-01T19:52:49-06:00
Type	Sample
VialNumber	2310
Dilution	1
Comment	116805 6020
Operator	LMT
ISTDRefDataFileName	104CALB.D
SamplePassFail	Pass
ISTD PassFail	Pass

QC Analyte Table

Element	m/z	ISTD	Tune Step	Meas Value	FinalConc	%RSD	Units	CPS	CPS %RSD	High Value	QC Flag
Be	9	6	1	0.01	0.01	173.21	ppb	3.33	173.21	3600	
Na	23	45	2	351960.53	351960.53	2.74	ppb	102670058.47	0.63	1800000	
Mg	24	45	2	26643.83	26643.83	3.08	ppb	3053640.27	1.21	450000	
Al	27	45	2	16.59	16.59	5.93	ppb	386.71	2.99	450000	
K	39	45	2	3238.82	3238.82	4.01	ppb	167567.89	2.32	180000	
Ca	44	45	2	147563.91	147563.91	4.19	ppb	408783.17	2.25	450000	
V	51	72	2	2.52	2.52	5.46	ppb	3218.80	5.54	3600	
Cr	52	72	2	0.77	0.77	11.54	ppb	1573.53	9.63	3600	
Mn	55	72	2	0.75	0.75	13.35	ppb	546.72	12.85	3600	
Fe	57	72	2	17.52	17.52	12.49	ppb	866.78	9.61	90000	
Co	59	72	2	0.05	0.05	62.57	ppb	240.02	54.65	3600	
Ni	60	72	2	0.24	0.24	30.17	ppb	460.04	17.39	3600	
Cu	63	72	2	0.00	0.00	-1089.28	ppb	2073.76	8.66	3600	
Zn	66	72	2	0.73	0.73	21.19	ppb	506.72	9.11	3600	
As	75	72	2	1.00	1.00	23.07	ppb	170.01	20.38	3600	
Se	78	72	1	2.91	2.91	17.30	ppb	1861.46	12.31	3600	
Nb	93	72	2	0.12	0.12	29.43	ppb	660.07	21.21	7200	
Mo	95	115	2	7.50	7.50	7.28	ppb	9316.43	8.92	3600	
Pd	105	115	2	0.02	0.02	196.46	ppb	46.67	173.21	3600	
Ag	107	115	2	0.01	0.01	122.86	ppb	113.34	66.81	900	
Cd	111	115	2	0.03	0.03	217.90	ppb	53.34	57.29	3600	
Sn	120	115	2	0.07	0.07	68.12	ppb	373.37	17.22	3600	
Sb	121	115	2	-0.11	-0.11	-43.63	ppb	40.00	86.61	3600	
Ba	137	115	2	2.16	2.16	16.77	ppb	593.40	15.20	3600	
W	182	165	2	0.01	0.01	597.93	ppb	1180.15	25.31	3600	
Pt	195	165	2	0.00	0.00	82.88	ppb	80.01	25.00	3600	
Tl	205	165	2	0.06	0.06	21.79	ppb	680.08	19.29	3600	
Pb	208	165	2	0.08	0.08	15.12	ppb	2126.95	4.64	3600	
Th	232	165	2	0.07	0.07	34.24	ppb	873.43	32.74	3600	
U	238	165	2	4.12	4.12	1.22	ppb	60565.99	1.21	3600	

QC ISTD Table

Element	m/z	Tune Step	CPS	%RSD	Ref CPS	%Rec	Lower Limit	Upper Limit	QC Flag
Li6	6	1	1827340	6.25	1635461	111.7	60	125	
Sc (IS)	45	2	1191921	2.48	1250863	95.3	60	125	
Ge (IS)	72	1	20529562	5.78	21507298	95.5	60	125	
Ge (IS)	72	2	1374411	1.54	1624588	84.6	60	125	
115In	115	2	3978757	1.76	4724621	84.2	60	125	
Ho-165	165	2	23470832	2.14	27285436	86.0	60	125	

TuneStep	TuneFile	TuneDate
1	h2_hmi.u	5/1/2012 7:51:00 PM
2	he_hmi.u	5/1/2012 7:51:00 PM

Continuing Calibration Verification (CCV) - US EPA Method 6020

Sample Name	ccv-1392320
Data File Name	1256CCV.D
DataPath	d:\DATA\050112a.B
Acq Date Time	2012-05-01T19:55:48-06:00
Type	6-CCV
VialNumber	1106
Dilution	1
Comment	
Operator	LMT
ISTDRefDataFileName	104CALB.D
SamplePassFail	Fail
ISTD PassFail	Pass

QC Analyte Table

Element	m/z	ISTD	Tune Step	Meas Value	%RSD	Units	CPS	CPS%RSD	Exp Value	%Rec	QC Low	QC High	QC Flag
Be	9	6	1	50.50	15.33	ppb	24487.72	8.74	50	101.0	90	110	
Na	23	45	2	5591.65	4.80	ppb	1787622.84	2.03	5000	111.8	90	110	6-CCV Main Failed
Mg	24	45	2	5181.56	4.85	ppb	611653.34	1.73	5000	103.6	90	110	
Al	27	45	2	5122.59	6.30	ppb	114931.12	3.21	5000	102.5	90	110	
K	39	45	2	5043.40	4.33	ppb	267451.03	1.03	5000	100.9	90	110	
Ca	44	45	2	5427.60	5.42	ppb	15527.78	2.17	5000	108.6	90	110	
V	51	72	2	51.61	5.98	ppb	74698.98	5.66	50	103.2	90	110	
Cr	52	72	2	52.91	4.62	ppb	109806.59	3.52	50	105.8	90	110	
Mn	55	72	2	50.83	2.30	ppb	37121.05	2.12	50	101.7	90	110	
Fe	57	72	2	5120.78	2.73	ppb	212769.42	1.96	5000	102.4	90	110	
Co	59	72	2	52.91	3.13	ppb	230590.72	2.05	50	105.8	90	110	
Ni	60	72	2	53.60	4.87	ppb	68319.42	3.77	50	107.2	90	110	
Cu	63	72	2	56.35	3.56	ppb	210714.17	2.95	50	112.7	90	110	6-CCV Main Failed
Zn	66	72	2	52.24	3.82	ppb	16902.74	2.67	50	104.5	90	110	
As	75	72	2	50.96	8.51	ppb	8482.35	7.66	50	101.9	90	110	
Se	78	72	1	51.10	15.91	ppb	37401.89	8.49	50	102.2	90	110	
Nb	93	72	2	101.27	2.92	ppb	491748.11	2.04	100	101.3	90	110	
Mo	95	115	2	52.65	1.04	ppb	71340.67	1.00	50	105.3	90	110	
Pd	105	115	2	53.56	2.73	ppb	142151.54	0.88	50	107.1	90	110	
Ag	107	115	2	52.96	2.95	ppb	322648.48	1.30	50	105.9	90	110	
Cd	111	115	2	51.63	7.28	ppb	29360.81	5.26	50	103.3	90	110	
Sn	120	115	2	51.42	4.58	ppb	67221.04	2.59	50	102.8	90	110	
Sb	121	115	2	53.15	0.22	ppb	40202.75	2.03	50	106.3	90	110	
Ba	137	115	2	49.39	1.36	ppb	14907.77	3.36	50	98.8	90	110	
W	182	165	2	52.50	3.03	ppb	357175.06	0.81	50	105.0	90	110	
Pt	195	165	2	53.91	3.32	ppb	315787.67	0.82	50	107.8	90	110	
Tl	205	165	2	51.74	3.99	ppb	553121.14	1.40	50	103.5	90	110	
Pb	208	165	2	51.96	4.09	ppb	696863.02	1.41	50	103.9	90	110	
Th	232	165	2	50.93	3.67	ppb	649017.44	1.05	50	101.9	90	110	
U	238	165	2	50.23	4.76	ppb	793702.44	2.19	50	100.5	90	110	

QC ISTD Table

Element	m/z	Tune Step	CPS	%RSD	Ref CPS	%Rec	QC Low	QC High	QC Flag
Li6	6	1	1854850	6.89	1635461	113.4	60	125	
Sc (IS)	45	2	1227661	3.31	1250863	98.1	60	125	
Ge (IS)	72	1	23696844	7.55	21507298	110.2	60	125	
Ge (IS)	72	2	1573080	1.08	1624588	96.8	60	125	
115In	115	2	4362037	2.03	4724621	92.3	60	125	
Ho-165	165	2	25272716	2.64	27285436	92.6	60	125	

TuneStep	TuneFile
1	h2_hmi.u
2	he_hmi.u

Continuing Calibration Blank (CCB) - US EPA Method 6020

Sample Name	ccb-1392356
Data File Name	1266CCB.D
DataPath	d:\DATA\050112a.B
Acq Date Time	2012-05-01T19:58:46-06:00
Type	6-CCB
VialNumber	1306
Dilution	1
Comment	
Operator	LMT
ISTDRefDataFileName	104CALB.D
SamplePassFail	Fail
ISTD PassFail	Pass

QC Analyte Table

Element	m/z	ISTD	Tune Step	Meas Value	%RSD	Units	CPS	CPS %RSD	QC High	QC Flag
Be	9	6	1	0.04	70.62	ppb	16.67	69.28	1	
Na	23	45	2	330.54	6.29	ppb	209555.91	1.42	20	6-CCB Main Failed
Mg	24	45	2	6.54	30.79	ppb	1200.16	20.88	20	
Al	27	45	2	3.59	16.74	ppb	106.68	10.82	20	
K	39	45	2	7.09	15.60	ppb	2527.06	1.65	20	
Ca	44	45	2	16.94	113.94	ppb	100.01	52.91	20	
V	51	72	2	0.05	102.45	ppb	121.73	68.14	1	
Cr	52	72	2	-0.03	-46.25	ppb	146.68	20.83	1	
Mn	55	72	2	0.14	57.54	ppb	180.02	33.34	1	
Fe	57	72	2	4.69	24.12	ppb	466.71	10.79	20	
Co	59	72	2	0.03	93.93	ppb	180.02	72.86	1	
Ni	60	72	2	0.02	162.17	ppb	253.36	16.43	1	
Cu	63	72	2	-0.06	-222.44	ppb	2220.32	22.12	1	
Zn	66	72	2	0.17	128.46	ppb	406.71	15.81	5	
As	75	72	2	0.08	83.76	ppb	43.33	26.65	5	
Se	78	72	1	0.05	78.27	ppb	52.00	53.85	5	
Nb	93	72	2	0.78	3.52	ppb	4000.83	2.29	5	
Mo	95	115	2	0.01	336.75	ppb	60.00	88.20	1	
Pd	105	115	2	0.04	30.33	ppb	120.01	28.87	1	
Ag	107	115	2	0.02	55.06	ppb	166.68	36.66	1	
Cd	111	115	2	0.07	73.32	ppb	86.68	35.25	1	
Sn	120	115	2	0.08	107.69	ppb	426.71	27.06	5	
Sb	121	115	2	0.04	220.38	ppb	160.02	37.50	0.2	
Ba	137	115	2	0.11	91.94	ppb	33.34	91.66	1	
W	182	165	2	0.01	705.88	ppb	1320.19	40.77	1	
Pt	195	165	2	0.03	6.95	ppb	226.69	5.09	1	
Tl	205	165	2	0.02	102.55	ppb	353.37	60.53	1	
Pb	208	165	2	0.01	208.05	ppb	1360.15	11.49	1	
Th	232	165	2	0.09	10.07	ppb	1313.51	8.79	1	
U	238	165	2	0.02	19.08	ppb	353.38	17.29	1	

QC ISTD Table

Element	m/z	Tune Step	CPS	%RSD	Ref CPS	%Rec	QC Low	QC High	QC Flag
Li6	6	1	1812310	1.35	1635461	110.8	60	125	
Sc (IS)	45	2	1228750	1.87	1250863	98.2	60	125	
Ge (IS)	72	1	23844434	0.10	21507298	110.9	60	125	
Ge (IS)	72	2	1597351	1.11	1624588	98.3	60	125	
115In	115	2	4468637	0.95	4724621	94.6	60	125	
Ho-165	165	2	25826450	0.80	27285436	94.7	60	125	

TuneStep	TuneFile
1	h2_hmi.u
2	he_hmi.u

Sample Report

Sample Name	rinse
Data File Name	127SMPL.D
DataPath	d:\DATA\050112a.B
Acq Date Time	2012-05-01T20:01:44-06:00
Type	Sample
VialNumber	3
Dilution	1
Comment	
Operator	LMT
ISTDRefDataFileName	104CALB.D
SamplePassFail	Pass
ISTD PassFail	Pass

QC Analyte Table

Element	m/z	ISTD	Tune Step	Meas Value	FinalConc	%RSD	Units	CPS	CPS %RSD	High Value	QC Flag
Be	9	6	1	0.00	0.00	#DIV/0!	ppb	0.00	#DIV/0!	3600	
Na	23	45	2	140.94	140.94	8.20	ppb	150657.67	0.43	1800000	
Mg	24	45	2	0.35	0.35	201.36	ppb	460.05	15.68	450000	
Al	27	45	2	1.21	1.21	148.23	ppb	53.34	78.07	450000	
K	39	45	2	-0.77	-0.77	-748.78	ppb	2086.99	14.67	180000	
Ca	44	45	2	7.57	7.57	97.67	ppb	73.34	31.49	450000	
V	51	72	2	-0.04	-0.04	-307.64	ppb	-14.07	-1186.57	3600	
Cr	52	72	2	0.02	0.02	89.54	ppb	253.36	16.43	3600	
Mn	55	72	2	0.02	0.02	436.26	ppb	93.34	75.25	3600	
Fe	57	72	2	-1.54	-1.54	-62.26	ppb	200.02	20.00	90000	
Co	59	72	2	-0.01	-0.01	-45.99	ppb	13.33	86.60	3600	
Ni	60	72	2	0.01	0.01	347.72	ppb	240.03	22.05	3600	
Cu	63	72	2	0.00	0.00	1168220.93	ppb	2380.37	7.70	3600	
Zn	66	72	2	0.55	0.55	76.17	ppb	520.06	25.22	3600	
As	75	72	2	-0.09	-0.09	-98.42	ppb	13.33	114.56	3600	
Se	78	72	1	0.02	0.02	45.71	ppb	29.33	20.83	3600	
Nb	93	72	2	0.34	0.34	10.95	ppb	1793.58	10.12	7200	
Mo	95	115	2	-0.01	-0.01	-214.83	ppb	33.34	69.29	3600	
Pd	105	115	2	0.02	0.02	65.71	ppb	53.34	57.29	3600	
Ag	107	115	2	0.00	0.00	-39.26	ppb	26.67	43.30	900	
Cd	111	115	2	0.00	0.00	1121.96	ppb	46.67	65.47	3600	
Sn	120	115	2	0.10	0.10	70.15	ppb	460.05	19.92	3600	
Sb	121	115	2	-0.07	-0.07	-102.38	ppb	80.00	66.15	3600	
Ba	137	115	2	0.09	0.09	86.60	ppb	26.67	86.60	3600	
W	182	165	2	-0.03	-0.03	-119.15	ppb	993.45	28.57	3600	
Pt	195	165	2	0.01	0.01	81.86	ppb	113.34	36.73	3600	
Tl	205	165	2	0.01	0.01	63.07	ppb	240.03	25.00	3600	
Pb	208	165	2	0.01	0.01	176.49	ppb	1360.15	11.67	3600	
Th	232	165	2	0.09	0.09	35.88	ppb	1306.84	33.27	3600	
U	238	165	2	0.01	0.01	63.75	ppb	173.35	52.04	3600	

QC ISTD Table

Element	m/z	Tune Step	CPS	%RSD	Ref CPS	%Rec	Lower Limit	Upper Limit	QC Flag
Li6	6	1	1768693	2.30	1635461	108.1	60	125	
Sc (IS)	45	2	1213221	2.63	1250863	97.0	60	125	
Ge (IS)	72	1	23155594	0.60	21507298	107.7	60	125	
Ge (IS)	72	2	1566826	0.26	1624588	96.4	60	125	
115In	115	2	4473240	1.31	4724621	94.7	60	125	
Ho-165	165	2	25639414	0.25	27285436	94.0	60	125	

TuneStep	TuneFile	TuneDate
1	h2_hmi.u	5/1/2012 8:00:00 PM
2	he_hmi.u	5/1/2012 8:00:00 PM

Sample Report

Sample Name	rinse
Data File Name	128SMPL.D
DataPath	d:\DATA\050112a.B
Acq Date Time	2012-05-01T20:04:43-06:00
Type	Sample
VialNumber	3
Dilution	1
Comment	
Operator	LMT
ISTDRefDataFileName	104CALB.D
SamplePassFail	Pass
ISTD PassFail	Pass

QC Analyte Table

Element	m/z	ISTD	Tune Step	Meas Value	FinalConc	%RSD	Units	CPS	CPS %RSD	High Value	QC Flag
Be	9	6	1	0.01	0.01	114.77	ppb	6.67	114.56	3600	
Na	23	45	2	30.88	30.88	27.51	ppb	114867.65	1.54	1800000	
Mg	24	45	2	0.39	0.39	375.75	ppb	453.38	36.74	450000	
Al	27	45	2	-0.86	-0.86	-61.71	ppb	6.67	173.21	450000	
K	39	45	2	2.46	2.46	33.63	ppb	2193.65	1.05	180000	
Ca	44	45	2	-10.97	-10.97	-67.05	ppb	20.00	100.00	450000	
V	51	72	2	0.01	0.01	1303.51	ppb	53.78	391.91	3600	
Cr	52	72	2	0.02	0.02	224.28	ppb	240.02	33.33	3600	
Mn	55	72	2	0.05	0.05	217.01	ppb	113.34	71.32	3600	
Fe	57	72	2	-0.08	-0.08	-5237.36	ppb	260.02	67.06	90000	
Co	59	72	2	0.00	0.00	-108.78	ppb	20.00	100.00	3600	
Ni	60	72	2	0.06	0.06	103.25	ppb	300.03	26.67	3600	
Cu	63	72	2	-0.02	-0.02	-461.09	ppb	2273.67	15.77	3600	
Zn	66	72	2	0.07	0.07	294.81	ppb	366.70	16.67	3600	
As	75	72	2	-0.05	-0.05	-289.83	ppb	20.00	132.29	3600	
Se	78	72	1	0.02	0.02	176.78	ppb	29.33	83.32	3600	
Nb	93	72	2	0.20	0.20	40.34	ppb	1146.82	36.18	7200	
Mo	95	115	2	-0.01	-0.01	-64.26	ppb	26.67	43.30	3600	
Pd	105	115	2	0.01	0.01	103.24	ppb	40.00	86.61	3600	
Ag	107	115	2	0.00	0.00	-100.60	ppb	33.33	69.28	900	
Cd	111	115	2	-0.01	-0.01	-948.88	ppb	40.00	100.00	3600	
Sn	120	115	2	0.19	0.19	53.20	ppb	573.39	23.75	3600	
Sb	121	115	2	-0.13	-0.13	-11.57	ppb	33.33	34.64	3600	
Ba	137	115	2	0.00	0.00	#DIV/0!	ppb	0.00	#DIV/0!	3600	
W	182	165	2	-0.01	-0.01	-236.99	ppb	1180.16	11.86	3600	
Pt	195	165	2	0.00	0.00	-246.38	ppb	53.34	43.31	3600	
Tl	205	165	2	0.00	0.00	-131.29	ppb	126.68	18.23	3600	
Pb	208	165	2	-0.02	-0.02	-36.67	ppb	1066.79	7.58	3600	
Th	232	165	2	0.06	0.06	18.11	ppb	853.44	16.63	3600	
U	238	165	2	0.01	0.01	59.52	ppb	166.68	48.50	3600	

QC ISTD Table

Element	m/z	Tune Step	CPS	%RSD	Ref CPS	%Rec	Lower Limit	Upper Limit	QC Flag
Li6	6	1	1710415	1.35	1635461	104.6	60	125	
Sc (IS)	45	2	1180568	0.92	1250863	94.4	60	125	
Ge (IS)	72	1	22892464	0.65	21507298	106.4	60	125	
Ge (IS)	72	2	1555118	2.33	1624588	95.7	60	125	
115In	115	2	4463422	0.71	4724621	94.5	60	125	
Ho-165	165	2	25716139	0.43	27285436	94.2	60	125	

TuneStep	TuneFile	TuneDate
1	h2_hmi.u	5/1/2012 8:03:00 PM
2	he_hmi.u	5/1/2012 8:03:00 PM

Sample Report

Sample Name	rinse
Data File Name	129SMPL.D
DataPath	d:\DATA\050112a.B
Acq Date Time	2012-05-01T20:07:42-06:00
Type	Sample
VialNumber	3
Dilution	1
Comment	
Operator	LMT
ISTDRefDataFileName	104CALB.D
SamplePassFail	Pass
ISTD PassFail	Pass

QC Analyte Table

Element	m/z	ISTD	Tune Step	Meas Value	FinalConc	%RSD	Units	CPS	CPS %RSD	High Value	QC Flag
Be	9	6	1	0.00	0.00	173.21	ppb	1.67	173.21	3600	
Na	23	45	2	-15.38	-15.38	-62.47	ppb	98984.16	2.41	1800000	
Mg	24	45	2	-1.49	-1.49	-70.08	ppb	233.36	49.49	450000	
Al	27	45	2	0.41	0.41	475.29	ppb	33.33	124.90	450000	
K	39	45	2	0.99	0.99	136.10	ppb	2066.97	3.40	180000	
Ca	44	45	2	-0.85	-0.85	-2209.90	ppb	46.67	107.86	450000	
V	51	72	2	-0.07	-0.07	-59.89	ppb	-63.22	-97.88	3600	
Cr	52	72	2	0.00	0.00	1127.37	ppb	213.35	48.11	3600	
Mn	55	72	2	0.05	0.05	61.42	ppb	113.34	20.38	3600	
Fe	57	72	2	-0.03	-0.03	-9766.33	ppb	260.03	39.97	90000	
Co	59	72	2	0.00	0.00	-203.39	ppb	26.67	86.60	3600	
Ni	60	72	2	3.91	3.91	168.71	ppb	5108.60	161.34	3600	
Cu	63	72	2	-0.10	-0.10	-66.27	ppb	1986.97	12.59	3600	
Zn	66	72	2	-0.01	-0.01	-1557.85	ppb	340.04	15.56	3600	
As	75	72	2	-0.09	-0.09	-100.07	ppb	13.33	114.56	3600	
Se	78	72	1	0.02	0.02	71.18	ppb	28.00	28.57	3600	
Nb	93	72	2	0.14	0.14	5.90	ppb	846.76	4.92	7200	
Mo	95	115	2	0.00	0.00	-1614.03	ppb	40.00	132.29	3600	
Pd	105	115	2	0.01	0.01	144.93	ppb	20.00	100.00	3600	
Ag	107	115	2	0.00	0.00	138.82	ppb	80.01	43.30	900	
Cd	111	115	2	-0.04	-0.04	-149.72	ppb	20.00	173.21	3600	
Sn	120	115	2	0.12	0.12	38.69	ppb	466.71	12.37	3600	
Sb	121	115	2	0.01	0.01	854.78	ppb	140.02	65.47	3600	
Ba	137	115	2	0.11	0.11	69.58	ppb	33.34	69.29	3600	
W	182	165	2	-0.01	-0.01	-272.77	ppb	1120.15	19.88	3600	
Pt	195	165	2	0.00	0.00	252.18	ppb	73.34	41.66	3600	
Tl	205	165	2	0.00	0.00	247.57	ppb	166.68	38.58	3600	
Pb	208	165	2	0.01	0.01	96.16	ppb	1373.49	8.53	3600	
Th	232	165	2	0.04	0.04	13.31	ppb	546.74	10.56	3600	
U	238	165	2	0.00	0.00	50.84	ppb	53.34	21.66	3600	

QC ISTD Table

Element	m/z	Tune Step	CPS	%RSD	Ref CPS	%Rec	Lower Limit	Upper Limit	QC Flag
Li6	6	1	1632051	6.80	1635461	99.8	60	125	
Sc (IS)	45	2	1151129	0.33	1250863	92.0	60	125	
Ge (IS)	72	1	21733317	6.49	21507298	101.1	60	125	
Ge (IS)	72	2	1550779	0.35	1624588	95.5	60	125	
115In	115	2	4359698	0.31	4724621	92.3	60	125	
Ho-165	165	2	25037345	0.83	27285436	91.8	60	125	

TuneStep	TuneFile	TuneDate
1	h2_hmi.u	5/1/2012 8:06:00 PM
2	he_hmi.u	5/1/2012 8:06:00 PM

Sample Report

Sample Name	rinse
Data File Name	130SMPL.D
DataPath	d:\DATA\050112a.B
Acq Date Time	2012-05-01T20:10:40-06:00
Type	Sample
VialNumber	3
Dilution	1
Comment	
Operator	LMT
ISTDRefDataFileName	104CALB.D
SamplePassFail	Pass
ISTD PassFail	Pass

QC Analyte Table

Element	m/z	ISTD	Tune Step	Meas Value	FinalConc	%RSD	Units	CPS	CPS %RSD	High Value	QC Flag
Be	9	6	1	0.00	0.00	#DIV/0!	ppb	0.00	#DIV/0!	3600	
Na	23	45	2	-22.91	-22.91	-92.79	ppb	96552.39	6.83	1800000	
Mg	24	45	2	0.74	0.74	316.85	ppb	480.05	54.49	450000	
Al	27	45	2	3.91	3.91	60.77	ppb	106.67	47.19	450000	
K	39	45	2	2.21	2.21	497.87	ppb	2120.31	25.85	180000	
Ca	44	45	2	6.70	6.70	280.56	ppb	66.67	75.50	450000	
V	51	72	2	0.01	0.01	790.23	ppb	55.46	242.94	3600	
Cr	52	72	2	0.00	0.00	11968.69	ppb	200.02	52.92	3600	
Mn	55	72	2	0.13	0.13	87.06	ppb	166.69	48.50	3600	
Fe	57	72	2	0.48	0.48	396.19	ppb	273.36	27.70	90000	
Co	59	72	2	-0.01	-0.01	-98.68	ppb	13.33	173.21	3600	
Ni	60	72	2	0.05	0.05	240.00	ppb	273.36	49.81	3600	
Cu	63	72	2	-0.05	-0.05	-131.51	ppb	2133.63	10.11	3600	
Zn	66	72	2	0.13	0.13	282.83	ppb	373.37	29.50	3600	
As	75	72	2	-0.07	-0.07	-136.43	ppb	16.67	91.65	3600	
Se	78	72	1	0.02	0.02	198.66	ppb	29.33	95.78	3600	
Nb	93	72	2	0.06	0.06	13.17	ppb	453.38	9.18	7200	
Mo	95	115	2	0.00	0.00	-644.06	ppb	40.00	50.01	3600	
Pd	105	115	2	0.01	0.01	145.36	ppb	20.00	100.00	3600	
Ag	107	115	2	0.00	0.00	-606.76	ppb	53.34	21.65	900	
Cd	111	115	2	-0.05	-0.05	-78.54	ppb	13.33	173.21	3600	
Sn	120	115	2	0.10	0.10	9.69	ppb	446.72	2.58	3600	
Sb	121	115	2	-0.08	-0.08	-37.60	ppb	66.67	34.65	3600	
Ba	137	115	2	0.04	0.04	86.61	ppb	13.33	86.60	3600	
W	182	165	2	-0.03	-0.03	-218.50	ppb	1013.46	39.69	3600	
Pt	195	165	2	0.01	0.01	95.12	ppb	93.34	32.73	3600	
Tl	205	165	2	0.00	0.00	347.99	ppb	160.01	43.30	3600	
Pb	208	165	2	-0.01	-0.01	-368.29	ppb	1160.13	24.14	3600	
Th	232	165	2	0.03	0.03	33.45	ppb	426.72	26.65	3600	
U	238	165	2	0.00	0.00	73.53	ppb	93.34	49.49	3600	

QC ISTD Table

Element	m/z	Tune Step	CPS	%RSD	Ref CPS	%Rec	Lower Limit	Upper Limit	QC Flag
Li6	6	1	1632473	1.20	1635461	99.8	60	125	
Sc (IS)	45	2	1147037	0.69	1250863	91.7	60	125	
Ge (IS)	72	1	22383651	0.18	21507298	104.1	60	125	
Ge (IS)	72	2	1510351	0.87	1624588	93.0	60	125	
115In	115	2	4361733	0.79	4724621	92.3	60	125	
Ho-165	165	2	24933154	0.36	27285436	91.4	60	125	

TuneStep	TuneFile	TuneDate
1	h2_hmi.u	5/1/2012 8:09:00 PM
2	he_hmi.u	5/1/2012 8:09:00 PM

Sample Report

Sample Name	rinse
Data File Name	131SMPL.D
DataPath	d:\DATA\050112a.B
Acq Date Time	2012-05-01T20:13:38-06:00
Type	Sample
VialNumber	3
Dilution	1
Comment	
Operator	LMT
ISTDRefDataFileName	104CALB.D
SamplePassFail	Pass
ISTD PassFail	Pass

QC Analyte Table

Element	m/z	ISTD	Tune Step	Meas Value	FinalConc	%RSD	Units	CPS	CPS%RSD	High Value	QC Flag
Be	9	6	1	0.01	0.01	173.21	ppb	3.33	173.21	3600	
Na	23	45	2	-81.77	-81.77	-8.72	ppb	78775.00	3.13	1800000	
Mg	24	45	2	-0.84	-0.84	-144.12	ppb	300.03	43.72	450000	
Al	27	45	2	2.04	2.04	232.04	ppb	66.67	147.99	450000	
K	39	45	2	3.04	3.04	108.85	ppb	2126.95	7.66	180000	
Ca	44	45	2	9.52	9.52	278.85	ppb	73.34	95.78	450000	
V	51	72	2	-0.07	-0.07	-117.19	ppb	-59.44	-194.19	3600	
Cr	52	72	2	0.02	0.02	171.85	ppb	233.36	26.19	3600	
Mn	55	72	2	0.04	0.04	228.23	ppb	100.01	60.00	3600	
Fe	57	72	2	-2.16	-2.16	-77.97	ppb	166.68	42.14	90000	
Co	59	72	2	-0.01	-0.01	0.00	ppb	0.00	#DIV/0!	3600	
Ni	60	72	2	-0.04	-0.04	-114.59	ppb	166.68	30.20	3600	
Cu	63	72	2	-0.09	-0.09	-24.25	ppb	1953.60	1.57	3600	
Zn	66	72	2	-0.08	-0.08	-429.76	ppb	306.69	37.65	3600	
As	75	72	2	0.08	0.08	80.85	ppb	40.00	25.00	3600	
Se	78	72	1	0.02	0.02	71.05	ppb	26.67	31.22	3600	
Nb	93	72	2	0.05	0.05	43.08	ppb	366.71	22.71	7200	
Mo	95	115	2	-0.02	-0.02	-39.73	ppb	13.33	86.60	3600	
Pd	105	115	2	0.02	0.02	37.84	ppb	66.67	34.65	3600	
Ag	107	115	2	0.00	0.00	-148.85	ppb	33.34	91.66	900	
Cd	111	115	2	0.01	0.01	1054.65	ppb	46.67	98.98	3600	
Sn	120	115	2	0.08	0.08	117.68	ppb	413.38	29.57	3600	
Sb	121	115	2	-0.11	-0.11	-38.43	ppb	46.67	65.47	3600	
Ba	137	115	2	0.05	0.05	86.61	ppb	13.33	86.60	3600	
W	182	165	2	-0.04	-0.04	-93.00	ppb	946.78	24.49	3600	
Pt	195	165	2	0.00	0.00	-96.58	ppb	40.00	50.00	3600	
Tl	205	165	2	0.00	0.00	-152.72	ppb	93.34	75.26	3600	
Pb	208	165	2	-0.01	-0.01	-165.41	ppb	1100.13	19.16	3600	
Th	232	165	2	0.02	0.02	28.31	ppb	373.38	21.65	3600	
U	238	165	2	0.00	0.00	114.14	ppb	66.67	62.45	3600	

QC ISTD Table

Element	m/z	Tune Step	CPS	%RSD	Ref CPS	%Rec	Lower Limit	Upper Limit	QC Flag
Li6	6	1	1577153	1.40	1635461	96.4	60	125	
Sc (IS)	45	2	1129213	0.72	1250863	90.3	60	125	
Ge (IS)	72	1	21950558	0.56	21507298	102.1	60	125	
Ge (IS)	72	2	1489635	2.34	1624588	91.7	60	125	
115In	115	2	4271580	0.67	4724621	90.4	60	125	
Ho-165	165	2	24772625	0.31	27285436	90.8	60	125	

TuneStep	TuneFile	TuneDate
1	h2_hmi.u	5/1/2012 8:12:00 PM
2	he_hmi.u	5/1/2012 8:12:00 PM

Calibration Blank Report

Sample Name	icis
Data File Name	132CALB.D
DataPath	d:\DATA\050112a.B
Acq Date Time	2012-05-01T20:16:35-06:00
Type	CalBlk
VialNumber	2101
Dilution	1
Comment	
Operator	LMT

QC Analyte Table

Element	m/z	ISTD	Tune Step	CPS	%RSD
Be	9	6	1	0	#DIV/0!
Na	23	45	2	69886	1.56
Mg	24	45	2	360	20.03
Al	27	45	2	47	24.75
K	39	45	2	1987	22.83
Ca	44	45	2	53	43.31
V	51	72	2	205	30.27
Cr	52	72	2	313	26.57
Mn	55	72	2	167	61.58
Fe	57	72	2	173	63.55
Co	59	72	2	33	124.90
Ni	60	72	2	167	36.66
Cu	63	72	2	2040	18.16
Zn	66	72	2	327	24.75
As	75	72	2	47	61.86
Se	78	72	1	24	50.00
Nb	93	72	2	380	27.85
Mo	95	115	2	40	50.01
Pd	105	115	2	13	173.21
Ag	107	115	2	53	86.60
Cd	111	115	2	67	17.32
Sn	120	115	2	407	15.03
Sb	121	115	2	113	36.74
Ba	137	115	2	13	86.60
W	182	165	2	1080	7.41
Pt	195	165	2	47	24.75
Tl	205	165	2	107	10.82
Pb	208	165	2	1173	12.79
Th	232	165	2	280	7.14
U	238	165	2	53	78.07

QC ISTD Table

Element	m/z	Tune Step	CPS	%RSD
Li6	6	1	1585775	0.79
Sc (IS)	45	2	1118905	1.06
Ge (IS)	72	1	21661917	1.60
Ge (IS)	72	2	1482323	2.17
115In	115	2	4298090	0.34
Ho-165	165	2	24821953	0.66

TuneStep	TuneFile	TuneDate
1	h2_hmi.u	5/1/2012 8:15:00 PM
2	he_hmi.u	5/1/2012 8:15:00 PM

Calibration Standard Report

Sample Name	cal-1392319
Data File Name	133CALS.D
DataPath	d:\DATA\050112a.B
Acq Date Time	2012-05-01T20:19:33-06:00
Type	CalStd
VialNumber	2102
Dilution	1
Comment	
Operator	LMT
ISTDRefDataFileName	132CALB.D
ISTD PassFail	Pass

QC Analyte Table

Element	m/z	ISTD	Tune Step	CPS	%RSD
Be	9	6	1	37686	2.15
Na	23	45	2	2599974	2.30
Mg	24	45	2	1027603	0.77
Al	27	45	2	197462	2.60
K	39	45	2	464797	1.64
Ca	44	45	2	24405	3.52
V	51	72	2	130007	3.89
Cr	52	72	2	189465	0.90
Mn	55	72	2	64932	3.97
Fe	57	72	2	368544	0.87
Co	59	72	2	383635	2.06
Ni	60	72	2	112235	2.65
Cu	63	72	2	333977	1.89
Zn	66	72	2	29553	2.82
As	75	72	2	15147	5.29
Se	78	72	1	62203	1.01
Nb	93	72	2	887391	0.91
Mo	95	115	2	127159	0.91
Pd	105	115	2	244719	2.21
Ag	107	115	2	567598	0.67
Cd	111	115	2	51386	1.64
(Cd)	114	115	2	136284	1.99
Sn	120	115	2	120314	1.84
Sb	121	115	2	74417	1.73
Ba	137	115	2	29040	0.52
W	182	165	2	647139	0.15
Pt	195	165	2	555976	1.24
Tl	205	165	2	1019360	0.44
Pb	208	165	2	1280098	0.31
Th	232	165	2	1221630	0.44
U	238	165	2	1483837	1.09

QC ISTD Table

Element	m/z	Tune Step	CPS	%RSD	Reference CPS	%Recovery	Lower Limit	Upper Limit	QC Flag
Li6	6	1	1512464	0.98	1585775	95.4	60	125	
Sc (IS)	45	2	1102846	0.92	1118905	98.6	60	125	
Ge (IS)	72	1	20861039	1.62	21661917	96.3	60	125	
Ge (IS)	72	2	1424735	0.97	1482323	96.1	60	125	
115In	115	2	4233770	0.50	4298090	98.5	60	125	
Ho-165	165	2	24634066	0.35	24821953	99.2	60	125	

TuneStep	TuneFile	TuneDate
1	h2_hmi.u	5/1/2012 8:18:00 PM
2	he_hmi.u	5/1/2012 8:18:00 PM

Continuing Calibration Verification (CCV) - US EPA Method 6020

Sample Name	ccv-1392320
Data File Name	1346CCV.D
DataPath	d:\DATA\050112a.B
Acq Date Time	2012-05-01T20:22:31-06:00
Type	6-CCV
VialNumber	1106
Dilution	1
Comment	
Operator	LMT
ISTDRefDataFileName	132CALB.D
SamplePassFail	Pass
ISTD PassFail	Pass

QC Analyte Table

Element	m/z	ISTD	Tune Step	Meas Value	%RSD	Units	CPS	CPS%RSD	Exp Value	%Rec	QC Low	QC High	QC Flag
Be	9	6	1	52.26	0.30	ppb	19645.35	2.99	50	104.5	90	110	
Na	23	45	2	5194.12	0.62	ppb	1387795.55	0.67	5000	103.9	90	110	
Mg	24	45	2	5070.13	0.83	ppb	522760.54	1.22	5000	101.4	90	110	
Al	27	45	2	4931.18	0.34	ppb	97698.00	0.83	5000	98.6	90	110	
K	39	45	2	5145.66	1.30	ppb	240842.86	1.12	5000	102.9	90	110	
Ca	44	45	2	5268.52	1.43	ppb	12918.96	1.35	5000	105.4	90	110	
V	51	72	2	50.55	3.56	ppb	66480.88	3.68	50	101.1	90	110	
Cr	52	72	2	50.73	2.03	ppb	97213.64	1.99	50	101.5	90	110	
Mn	55	72	2	52.47	2.45	ppb	34474.95	2.25	50	104.9	90	110	
Fe	57	72	2	5050.07	0.90	ppb	188046.08	0.96	5000	101.0	90	110	
Co	59	72	2	51.67	0.96	ppb	200239.18	1.08	50	103.3	90	110	
Ni	60	72	2	51.57	1.17	ppb	58537.54	0.92	50	103.1	90	110	
Cu	63	72	2	53.55	1.50	ppb	181563.58	1.75	50	107.1	90	110	
Zn	66	72	2	51.98	2.08	ppb	15661.41	1.77	50	104.0	90	110	
As	75	72	2	52.80	3.96	ppb	8095.51	3.93	50	105.6	90	110	
Se	78	72	1	51.14	3.43	ppb	31689.39	3.09	50	102.3	90	110	
Nb	93	72	2	101.87	0.82	ppb	456684.25	1.08	100	101.9	90	110	
Mo	95	115	2	51.08	3.80	ppb	65210.52	3.16	50	102.2	90	110	
Pd	105	115	2	52.10	1.91	ppb	128010.48	2.25	50	104.2	90	110	
Ag	107	115	2	50.81	1.23	ppb	289544.87	0.88	50	101.6	90	110	
Cd	111	115	2	52.57	0.66	ppb	27149.89	0.15	50	105.1	90	110	
Sn	120	115	2	53.45	2.04	ppb	64738.28	1.23	50	106.9	90	110	
Sb	121	115	2	52.74	1.67	ppb	39454.80	2.47	50	105.5	90	110	
Ba	137	115	2	51.50	6.89	ppb	15014.43	6.07	50	103.0	90	110	
W	182	165	2	51.22	2.03	ppb	335705.63	1.33	50	102.4	90	110	
Pt	195	165	2	51.38	1.42	ppb	288936.21	1.01	50	102.8	90	110	
Tl	205	165	2	51.44	0.92	ppb	530364.46	0.23	50	102.9	90	110	
Pb	208	165	2	52.05	0.87	ppb	674396.87	1.45	50	104.1	90	110	
Th	232	165	2	51.00	0.58	ppb	630244.47	1.24	50	102.0	90	110	
U	238	165	2	51.32	0.85	ppb	770229.76	1.56	50	102.6	90	110	

QC ISTD Table

Element	m/z	Tune Step	CPS	%RSD	Ref CPS	%Rec	QC Low	QC High	QC Flag
Li6	6	1	1508363	2.71	1585775	95.1	60	125	
Sc (IS)	45	2	1106123	0.54	1118905	98.9	60	125	
Ge (IS)	72	1	20772916	0.37	21661917	95.9	60	125	
Ge (IS)	72	2	1438697	0.27	1482323	97.1	60	125	
115In	115	2	4250122	0.81	4298090	98.9	60	125	
Ho-165	165	2	24913578	0.70	24821953	100.4	60	125	

TuneStep	TuneFile
1	h2_hmi.u
2	he_hmi.u

Continuing Calibration Blank (CCB) - US EPA Method 6020

Sample Name	ccb-1392356
Data File Name	1356CCB.D
DataPath	d:\DATA\050112a.B
Acq Date Time	2012-05-01T20:25:31-06:00
Type	6-CCB
VialNumber	1306
Dilution	1
Comment	
Operator	LMT
ISTDRefDataFileName	132CALB.D
SamplePassFail	Pass
ISTD PassFail	Pass

QC Analyte Table

Element	m/z	ISTD	Tune Step	Meas Value	%RSD	Units	CPS	CPS %RSD	QC High	QC Flag
Be	9	6	1	0.04	79.31	ppb	13.33	78.06	1	
Na	23	45	2	-64.45	-4.72	ppb	51039.53	0.76	20	
Mg	24	45	2	1.76	29.83	ppb	520.05	10.18	20	
Al	27	45	2	1.84	57.31	ppb	80.00	25.01	20	
K	39	45	2	7.38	125.01	ppb	2233.65	17.79	20	
Ca	44	45	2	14.91	140.86	ppb	86.67	58.08	20	
V	51	72	2	-0.07	-74.17	ppb	113.63	57.92	1	
Cr	52	72	2	-0.07	-75.00	ppb	173.35	54.53	1	
Mn	55	72	2	0.13	76.97	ppb	246.69	26.06	1	
Fe	57	72	2	4.41	36.73	ppb	333.37	19.29	20	
Co	59	72	2	0.03	65.38	ppb	133.35	48.22	1	
Ni	60	72	2	0.24	47.36	ppb	433.38	28.20	1	
Cu	63	72	2	-0.02	-429.99	ppb	1906.94	19.86	1	
Zn	66	72	2	0.07	564.58	ppb	340.04	38.57	5	
As	75	72	2	-0.23	-27.80	ppb	10.00	100.00	5	
Se	78	72	1	0.07	20.19	ppb	65.33	12.74	5	
Nb	93	72	2	0.85	15.99	ppb	4180.88	16.64	5	
Mo	95	115	2	0.04	64.86	ppb	86.67	35.25	1	
Pd	105	115	2	0.07	35.30	ppb	193.35	33.25	1	
Ag	107	115	2	0.01	188.67	ppb	80.01	66.14	1	
Cd	111	115	2	-0.01	-803.03	ppb	60.01	66.67	1	
Sn	120	115	2	0.16	88.04	ppb	580.06	27.59	5	
Sb	121	115	2	0.07	72.07	ppb	160.01	21.65	0.2	
Ba	137	115	2	0.02	486.33	ppb	20.00	173.21	1	
W	182	165	2	0.04	86.59	ppb	1300.16	16.21	1	
Pt	195	165	2	0.02	56.13	ppb	153.36	39.85	1	
Tl	205	165	2	0.04	41.19	ppb	546.74	32.99	1	
Pb	208	165	2	0.02	87.68	ppb	1400.16	15.91	1	
Th	232	165	2	0.08	25.50	ppb	1220.15	19.33	1	
U	238	165	2	0.03	42.97	ppb	453.39	38.04	1	

QC ISTD Table

Element	m/z	Tune Step	CPS	%RSD	Ref CPS	%Rec	QC Low	QC High	QC Flag
Li6	6	1	1527228	2.46	1585775	96.3	60	125	
Sc (IS)	45	2	1070636	0.76	1118905	95.7	60	125	
Ge (IS)	72	1	21009420	0.34	21661917	97.0	60	125	
Ge (IS)	72	2	1441224	1.94	1482323	97.2	60	125	
115In	115	2	4187892	0.85	4298090	97.4	60	125	
Ho-165	165	2	24422723	0.61	24821953	98.4	60	125	

TuneStep	TuneFile
1	h2_hmi.u
2	he_hmi.u

Sample Report

Sample Name	280-28063-b-11-b@5
Data File Name	136SMPL.D
DataPath	d:\DATA\050112a.B
Acq Date Time	2012-05-01T20:28:30-06:00
Type	Sample
VialNumber	2311
Dilution	1
Comment	116805 6020
Operator	LMT
ISTDRefDataFileName	132CALB.D
SamplePassFail	Pass
ISTD PassFail	Pass

QC Analyte Table

Element	m/z	ISTD	Tune Step	Meas Value	FinalConc	%RSD	Units	CPS	CPS %RSD	High Value	QC Flag
Be	9	6	1	0.02	0.02	101.48	ppb	5.00	100.00	3600	
Na	23	45	2	1291090.60	1291090.60	1.25	ppb	286481595.73	0.60	1800000	
Mg	24	45	2	29800.10	29800.10	1.83	ppb	2683186.21	1.18	450000	
Al	27	45	2	16.53	16.53	23.96	ppb	326.70	21.50	450000	
K	39	45	2	4331.53	4331.53	1.91	ppb	177424.88	1.36	180000	
Ca	44	45	2	161883.85	161883.85	1.50	ppb	345489.66	0.90	450000	
V	51	72	2	4.20	4.20	6.19	ppb	4289.42	5.14	3600	
Cr	52	72	2	0.04	0.04	52.36	ppb	286.69	10.66	3600	
Mn	55	72	2	10.31	10.31	13.76	ppb	5194.57	13.91	3600	
Fe	57	72	2	21.92	21.92	20.31	ppb	740.08	17.72	90000	
Co	59	72	2	0.03	0.03	124.72	ppb	106.68	96.22	3600	
Ni	60	72	2	0.26	0.26	4.18	ppb	346.70	3.33	3600	
Cu	63	72	2	0.13	0.13	88.76	ppb	1820.25	15.50	3600	
Zn	66	72	2	0.40	0.40	34.59	ppb	326.69	9.35	3600	
As	75	72	2	8.93	8.93	9.73	ppb	1056.74	8.74	3600	
Se	78	72	1	4.45	4.45	3.27	ppb	1788.12	3.92	3600	
Nb	93	72	2	0.50	0.50	14.22	ppb	1973.65	12.09	7200	
Mo	95	115	2	9.88	9.88	4.95	ppb	9590.10	5.10	3600	
Pd	105	115	2	0.06	0.06	73.10	ppb	120.01	66.67	3600	
Ag	107	115	2	0.02	0.02	87.89	ppb	113.35	56.73	900	
Cd	111	115	2	0.03	0.03	852.54	ppb	60.01	145.30	3600	
Sn	120	115	2	2.17	2.17	12.49	ppb	2287.04	11.28	3600	
Sb	121	115	2	0.12	0.12	59.98	ppb	153.35	27.15	3600	
Ba	137	115	2	2.40	2.40	28.68	ppb	540.06	27.96	3600	
W	182	165	2	0.05	0.05	43.12	ppb	1060.14	9.44	3600	
Pt	195	165	2	0.00	0.00	455.64	ppb	40.00	50.01	3600	
Tl	205	165	2	0.01	0.01	91.10	ppb	160.01	45.07	3600	
Pb	208	165	2	0.03	0.03	44.06	ppb	1173.47	9.99	3600	
Th	232	165	2	0.21	0.21	16.34	ppb	2200.36	15.02	3600	
U	238	165	2	4.71	4.71	2.18	ppb	53761.98	1.28	3600	

QC ISTD Table

Element	m/z	Tune Step	CPS	%RSD	Ref CPS	%Rec	Lower Limit	Upper Limit	QC Flag
Li6	6	1	1157734	2.19	1585775	73.0	60	125	
Sc (IS)	45	2	966583	0.65	1118905	86.4	60	125	
Ge (IS)	72	1	13356919	0.76	21661917	61.7	60	125	
Ge (IS)	72	2	1081530	0.95	1482323	73.0	60	125	
115In	115	2	3223048	0.51	4298090	75.0	60	125	
Ho-165	165	2	18935186	0.90	24821953	76.3	60	125	

TuneStep	TuneFile	TuneDate
1	h2_hmi.u	5/1/2012 8:27:00 PM
2	he_hmi.u	5/1/2012 8:27:00 PM

Sample Report

Sample Name	280-28063-b-12-b@5
Data File Name	137SMPL.D
DataPath	d:\DATA\050112a.B
Acq Date Time	2012-05-01T20:31:30-06:00
Type	Sample
VialNumber	2312
Dilution	1
Comment	116805 6020
Operator	LMT
ISTDRefDataFileName	132CALB.D
SamplePassFail	Pass
ISTD PassFail	Pass

QC Analyte Table

Element	m/z	ISTD	Tune Step	Meas Value	FinalConc	%RSD	Units	CPS	CPS %RSD	High Value	QC Flag
Be	9	6	1	0.03	0.03	91.40	ppb	8.33	91.65	3600	
Na	23	45	2	918304.80	918304.80	0.29	ppb	205574256.94	1.09	1800000	
Mg	24	45	2	23448.47	23448.47	1.05	ppb	2129948.41	1.30	450000	
Al	27	45	2	100.80	100.80	18.10	ppb	1800.28	17.64	450000	
K	39	45	2	3585.08	3585.08	0.51	ppb	148437.41	0.49	180000	
Ca	44	45	2	149545.06	149545.06	1.17	ppb	321954.19	0.96	450000	
V	51	72	2	2.83	2.83	17.05	ppb	3055.46	16.50	3600	
Cr	52	72	2	0.29	0.29	37.14	ppb	673.40	24.01	3600	
Mn	55	72	2	4.43	4.43	10.66	ppb	2393.70	10.52	3600	
Fe	57	72	2	91.88	91.88	18.27	ppb	2801.74	16.78	90000	
Co	59	72	2	0.05	0.05	12.36	ppb	180.02	11.11	3600	
Ni	60	72	2	0.18	0.18	71.55	ppb	286.70	39.67	3600	
Cu	63	72	2	0.51	0.51	28.30	ppb	2873.87	13.58	3600	
Zn	66	72	2	2.54	2.54	30.25	ppb	833.43	20.69	3600	
As	75	72	2	2.19	2.19	14.02	ppb	296.68	11.84	3600	
Se	78	72	1	7.99	7.99	3.07	ppb	3656.43	3.32	3600	
Nb	93	72	2	0.23	0.23	18.32	ppb	1080.13	13.35	7200	
Mo	95	115	2	19.71	19.71	5.39	ppb	19672.77	5.26	3600	
Pd	105	115	2	0.02	0.02	135.50	ppb	40.00	100.00	3600	
Ag	107	115	2	0.00	0.00	-2626.93	ppb	40.00	86.60	900	
Cd	111	115	2	-0.03	-0.03	-299.79	ppb	40.00	86.60	3600	
Sn	120	115	2	0.16	0.16	80.12	ppb	466.72	26.19	3600	
Sb	121	115	2	-0.04	-0.04	-195.42	ppb	66.67	62.45	3600	
Ba	137	115	2	3.38	3.38	14.99	ppb	780.10	15.60	3600	
W	182	165	2	0.01	0.01	600.59	ppb	900.11	34.93	3600	
Pt	195	165	2	0.02	0.02	91.26	ppb	106.68	60.27	3600	
Tl	205	165	2	0.01	0.01	68.33	ppb	160.02	33.07	3600	
Pb	208	165	2	0.10	0.10	24.20	ppb	1886.89	11.63	3600	
Th	232	165	2	0.13	0.13	26.45	ppb	1480.21	23.09	3600	
U	238	165	2	0.78	0.78	5.50	ppb	9156.88	6.13	3600	

QC ISTD Table

Element	m/z	Tune Step	CPS	%RSD	Ref CPS	%Rec	Lower Limit	Upper Limit	QC Flag
Li6	6	1	1315774	0.76	1585775	83.0	60	125	
Sc (IS)	45	2	975032	1.00	1118905	87.1	60	125	
Ge (IS)	72	1	15275668	0.93	21661917	70.5	60	125	
Ge (IS)	72	2	1124729	0.59	1482323	75.9	60	125	
115In	115	2	3319164	0.96	4298090	77.2	60	125	
Ho-165	165	2	19470438	0.72	24821953	78.4	60	125	

TuneStep	TuneFile	TuneDate
1	h2_hmi.u	5/1/2012 8:30:00 PM
2	he_hmi.u	5/1/2012 8:30:00 PM

Sample Report

Sample Name	280-28063-b-13-b@5
Data File Name	138SMPL.D
DataPath	d:\DATA\050112a.B
Acq Date Time	2012-05-01T20:34:27-06:00
Type	Sample
VialNumber	2401
Dilution	1
Comment	116805 6020
Operator	LMT
ISTDRefDataFileName	132CALB.D
SamplePassFail	Pass
ISTD PassFail	Pass

QC Analyte Table

Element	m/z	ISTD	Tune Step	Meas Value	FinalConc	%RSD	Units	CPS	CPS %RSD	High Value	QC Flag
Be	9	6	1	0.00	0.00	173.21	ppb	1.67	173.21	3600	
Na	23	45	2	1006674.02	1006674.02	12.98	ppb	221536150.03	3.42	1800000	
Mg	24	45	2	32797.16	32797.16	16.54	ppb	2922091.62	6.78	450000	
Al	27	45	2	23.25	23.25	36.54	ppb	440.05	32.78	450000	
K	39	45	2	3948.52	3948.52	9.09	ppb	160950.96	0.67	180000	
Ca	44	45	2	179833.24	179833.24	16.31	ppb	379822.34	6.58	450000	
V	51	72	2	4.07	4.07	18.02	ppb	4229.54	11.78	3600	
Cr	52	72	2	0.29	0.29	17.11	ppb	660.09	10.50	3600	
Mn	55	72	2	3.06	3.06	13.65	ppb	1653.54	5.72	3600	
Fe	57	72	2	22.00	22.00	21.70	ppb	753.41	10.73	90000	
Co	59	72	2	0.06	0.06	20.66	ppb	213.35	14.32	3600	
Ni	60	72	2	0.49	0.49	33.00	ppb	546.72	18.78	3600	
Cu	63	72	2	0.18	0.18	69.09	ppb	1966.96	13.27	3600	
Zn	66	72	2	0.71	0.71	47.79	ppb	406.71	22.18	3600	
As	75	72	2	4.29	4.29	19.72	ppb	536.70	18.38	3600	
Se	78	72	1	2.84	2.84	15.22	ppb	1376.07	10.40	3600	
Nb	93	72	2	0.16	0.16	5.27	ppb	840.09	6.30	7200	
Mo	95	115	2	7.99	7.99	8.33	ppb	7782.47	3.71	3600	
Pd	105	115	2	0.03	0.03	33.91	ppb	60.01	33.34	3600	
Ag	107	115	2	0.00	0.00	199.04	ppb	53.34	43.31	900	
Cd	111	115	2	-0.01	-0.01	-220.04	ppb	46.67	24.75	3600	
Sn	120	115	2	-0.01	-0.01	-889.09	ppb	293.36	17.16	3600	
Sb	121	115	2	-0.02	-0.02	-307.26	ppb	73.34	31.49	3600	
Ba	137	115	2	2.35	2.35	41.11	ppb	520.05	30.77	3600	
W	182	165	2	0.04	0.04	122.11	ppb	1006.80	14.37	3600	
Pt	195	165	2	0.01	0.01	51.40	ppb	86.67	35.25	3600	
Tl	205	165	2	0.02	0.02	42.81	ppb	240.02	36.33	3600	
Pb	208	165	2	0.04	0.04	49.97	ppb	1306.80	6.19	3600	
Th	232	165	2	0.07	0.07	10.28	ppb	853.44	13.73	3600	
U	238	165	2	1.58	1.58	17.93	ppb	18058.78	8.78	3600	

QC ISTD Table

Element	m/z	Tune Step	CPS	%RSD	Ref CPS	%Rec	Lower Limit	Upper Limit	QC Flag
Li6	6	1	1401320	5.58	1585775	88.4	60	125	
Sc (IS)	45	2	966306	9.31	1118905	86.4	60	125	
Ge (IS)	72	1	16141524	7.33	21661917	74.5	60	125	
Ge (IS)	72	2	1108135	6.99	1482323	74.8	60	125	
115In	115	2	3246601	9.58	4298090	75.5	60	125	
Ho-165	165	2	19150313	9.46	24821953	77.2	60	125	

TuneStep	TuneFile	TuneDate
1	h2_hmi.u	5/1/2012 8:33:00 PM
2	he_hmi.u	5/1/2012 8:33:00 PM

Sample Report

Sample Name	280-28063-b-14-b@5
Data File Name	139SMPL.D
DataPath	d:\DATA\050112a.B
Acq Date Time	2012-05-01T20:37:24-06:00
Type	Sample
VialNumber	2402
Dilution	1
Comment	116805 6020
Operator	LMT
ISTDRefDataFileName	132CALB.D
SamplePassFail	Pass
ISTD PassFail	Pass

QC Analyte Table

Element	m/z	ISTD	Tune Step	Meas Value	FinalConc	%RSD	Units	CPS	CPS %RSD	High Value	QC Flag
Be	9	6	1	0.01	0.01	173.21	ppb	3.33	173.21	3600	
Na	23	45	2	367.74	367.74	17.11	ppb	152971.97	9.60	1800000	
Mg	24	45	2	12.50	12.50	18.62	ppb	1546.88	14.25	450000	
Al	27	45	2	3.74	3.74	71.84	ppb	113.35	44.41	450000	
K	39	45	2	8.41	8.41	53.94	ppb	2220.35	9.14	180000	
Ca	44	45	2	68.22	68.22	14.76	ppb	206.69	11.17	450000	
V	51	72	2	-0.05	-0.05	-119.74	ppb	129.84	54.79	3600	
Cr	52	72	2	-0.03	-0.03	-173.88	ppb	233.36	40.51	3600	
Mn	55	72	2	0.08	0.08	85.43	ppb	200.03	20.00	3600	
Fe	57	72	2	9.06	9.06	31.53	ppb	480.05	20.83	90000	
Co	59	72	2	0.02	0.02	110.73	ppb	106.68	78.07	3600	
Ni	60	72	2	0.08	0.08	106.22	ppb	240.03	38.19	3600	
Cu	63	72	2	-0.04	-0.04	-203.38	ppb	1753.57	14.84	3600	
Zn	66	72	2	0.09	0.09	392.32	ppb	326.70	31.42	3600	
As	75	72	2	-0.13	-0.13	-30.06	ppb	23.33	24.74	3600	
Se	78	72	1	0.00	0.00	1136.88	ppb	25.33	65.74	3600	
Nb	93	72	2	0.04	0.04	58.22	ppb	526.72	19.49	7200	
Mo	95	115	2	0.00	0.00	5.49	ppb	40.00	0.00	3600	
Pd	105	115	2	0.00	0.00	2002.31	ppb	13.33	173.21	3600	
Ag	107	115	2	0.00	0.00	553.72	ppb	66.67	147.99	900	
Cd	111	115	2	0.03	0.03	91.14	ppb	73.34	15.74	3600	
Sn	120	115	2	0.10	0.10	19.73	ppb	480.05	4.17	3600	
Sb	121	115	2	-0.07	-0.07	-60.15	ppb	53.34	57.29	3600	
Ba	137	115	2	-0.02	-0.02	-207.80	ppb	6.67	173.21	3600	
W	182	165	2	-0.01	-0.01	-106.87	ppb	933.46	7.53	3600	
Pt	195	165	2	0.01	0.01	53.80	ppb	86.68	26.64	3600	
Tl	205	165	2	0.01	0.01	65.57	ppb	160.02	25.00	3600	
Pb	208	165	2	0.01	0.01	18.19	ppb	1260.16	2.75	3600	
Th	232	165	2	0.00	0.00	144.79	ppb	306.70	22.91	3600	
U	238	165	2	0.01	0.01	65.49	ppb	126.68	39.74	3600	

QC ISTD Table

Element	m/z	Tune Step	CPS	%RSD	Ref CPS	%Rec	Lower Limit	Upper Limit	QC Flag
Li6	6	1	1590153	2.33	1585775	100.3	60	125	
Sc (IS)	45	2	1041671	0.35	1118905	93.1	60	125	
Ge (IS)	72	1	21648701	0.11	21661917	99.9	60	125	
Ge (IS)	72	2	1367753	0.28	1482323	92.3	60	125	
115In	115	2	3928258	0.48	4298090	91.4	60	125	
Ho-165	165	2	22964385	0.51	24821953	92.5	60	125	

TuneStep	TuneFile	TuneDate
1	h2_hmi.u	5/1/2012 8:36:00 PM
2	he_hmi.u	5/1/2012 8:36:00 PM

Sample Report

Sample Name	280-28063-b-15-b@5
Data File Name	140SMPL.D
DataPath	d:\DATA\050112a.B
Acq Date Time	2012-05-01T20:40:21-06:00
Type	Sample
VialNumber	2403
Dilution	1
Comment	116805 6020
Operator	LMT
ISTDRefDataFileName	132CALB.D
SamplePassFail	Pass
ISTD PassFail	Pass

QC Analyte Table

Element	m/z	ISTD	Tune Step	Meas Value	FinalConc	%RSD	Units	CPS	CPS %RSD	High Value	QC Flag
Be	9	6	1	0.00	0.00	#DIV/0!	ppb	0.00	#DIV/0!	3600	
Na	23	45	2	159.03	159.03	1.83	ppb	102094.29	1.84	1800000	
Mg	24	45	2	4.52	4.52	54.08	ppb	766.74	31.34	450000	
Al	27	45	2	2.02	2.02	110.21	ppb	80.01	50.00	450000	
K	39	45	2	2.61	2.61	256.59	ppb	1946.94	14.61	180000	
Ca	44	45	2	72.35	72.35	70.79	ppb	213.35	53.31	450000	
V	51	72	2	-0.06	-0.06	-367.50	ppb	118.66	220.43	3600	
Cr	52	72	2	0.20	0.20	14.39	ppb	660.07	8.02	3600	
Mn	55	72	2	-0.04	-0.04	-334.76	ppb	126.68	71.20	3600	
Fe	57	72	2	12.34	12.34	67.64	ppb	600.07	49.78	90000	
Co	59	72	2	0.01	0.01	153.48	ppb	73.34	87.67	3600	
Ni	60	72	2	0.36	0.36	49.16	ppb	546.73	35.53	3600	
Cu	63	72	2	0.02	0.02	422.22	ppb	1946.93	12.43	3600	
Zn	66	72	2	0.70	0.70	52.00	ppb	500.05	20.79	3600	
As	75	72	2	-0.27	-0.27	-14.59	ppb	3.33	173.21	3600	
Se	78	72	1	0.00	0.00	1193.40	ppb	25.33	59.78	3600	
Nb	93	72	2	0.03	0.03	70.67	ppb	466.72	17.32	7200	
Mo	95	115	2	0.04	0.04	93.99	ppb	80.01	50.01	3600	
Pd	105	115	2	0.01	0.01	54.22	ppb	33.33	34.64	3600	
Ag	107	115	2	0.01	0.01	67.86	ppb	93.34	32.73	900	
Cd	111	115	2	0.01	0.01	451.90	ppb	66.67	34.64	3600	
Sn	120	115	2	0.02	0.02	245.13	ppb	393.37	11.74	3600	
Sb	121	115	2	-0.05	-0.05	-109.96	ppb	66.67	62.45	3600	
Ba	137	115	2	-0.02	-0.02	-200.18	ppb	6.67	173.21	3600	
W	182	165	2	-0.02	-0.02	-164.46	ppb	853.44	28.26	3600	
Pt	195	165	2	0.01	0.01	195.82	ppb	80.01	90.14	3600	
Tl	205	165	2	0.00	0.00	1921.01	ppb	100.01	20.00	3600	
Pb	208	165	2	0.01	0.01	90.45	ppb	1240.13	11.29	3600	
Th	232	165	2	0.00	0.00	490.77	ppb	286.69	46.45	3600	
U	238	165	2	0.00	0.00	134.52	ppb	86.67	58.08	3600	

QC ISTD Table

Element	m/z	Tune Step	CPS	%RSD	Ref CPS	%Rec	Lower Limit	Upper Limit	QC Flag
Li6	6	1	1577971	0.99	1585775	99.5	60	125	
Sc (IS)	45	2	1031533	1.30	1118905	92.2	60	125	
Ge (IS)	72	1	21848404	0.81	21661917	100.9	60	125	
Ge (IS)	72	2	1375114	0.29	1482323	92.8	60	125	
115In	115	2	3967383	1.11	4298090	92.3	60	125	
Ho-165	165	2	23021628	0.41	24821953	92.7	60	125	

TuneStep	TuneFile	TuneDate
1	h2_hmi.u	5/1/2012 8:39:00 PM
2	he_hmi.u	5/1/2012 8:39:00 PM

Sample Report

Sample Name	280-28063-e-16-b@5
Data File Name	141SMPL.D
DataPath	d:\DATA\050112a.B
Acq Date Time	2012-05-01T20:43:18-06:00
Type	Sample
VialNumber	2404
Dilution	1
Comment	116805 6020
Operator	LMT
ISTDRefDataFileName	132CALB.D
SamplePassFail	Fail
ISTD PassFail	Pass

QC Analyte Table

Element	m/z	ISTD	Tune Step	Meas Value	FinalConc	%RSD	Units	CPS	CPS%RSD	High Value	QC Flag
Be	9	6	1	0.01	0.01	173.21	ppb	3.33	173.21	3600	
Na	23	45	2	4185084.19	4185084.19	1.45	ppb	805401188.00	2.36	1800000	Sample Main Failed
Mg	24	45	2	58876.48	58876.48	1.42	ppb	4597836.08	1.67	450000	
Al	27	45	2	128.83	128.83	8.59	ppb	1966.94	6.77	450000	
K	39	45	2	7680.58	7680.58	0.71	ppb	271746.67	1.90	180000	
Ca	44	45	2	270464.02	270464.02	1.70	ppb	500740.88	3.24	450000	
V	51	72	2	0.92	0.92	20.78	ppb	807.86	18.40	3600	
Cr	52	72	2	0.17	0.17	20.49	ppb	360.04	11.11	3600	
Mn	55	72	2	31.69	31.69	4.35	ppb	11985.08	5.62	3600	
Fe	57	72	2	151.58	151.58	12.01	ppb	3327.30	10.17	90000	
Co	59	72	2	0.08	0.08	34.87	ppb	186.68	32.73	3600	
Ni	60	72	2	0.30	0.30	21.86	ppb	286.69	16.11	3600	
Cu	63	72	2	0.21	0.21	42.85	ppb	1540.20	10.14	3600	
Zn	66	72	2	13.75	13.75	15.70	ppb	2507.05	13.36	3600	
As	75	72	2	1.92	1.92	22.54	ppb	193.34	18.16	3600	
Se	78	72	1	0.46	0.46	47.20	ppb	140.00	43.99	3600	
Nb	93	72	2	0.05	0.05	83.30	ppb	333.36	29.60	7200	
Mo	95	115	2	26.12	26.12	1.66	ppb	18591.46	1.14	3600	
Pd	105	115	2	0.05	0.05	72.13	ppb	80.01	66.14	3600	
Ag	107	115	2	0.00	0.00	-869.86	ppb	26.67	86.60	900	
Cd	111	115	2	0.15	0.15	166.21	ppb	80.01	90.14	3600	
Sn	120	115	2	0.28	0.28	58.72	ppb	413.38	26.65	3600	
Sb	121	115	2	0.11	0.11	138.33	ppb	106.68	57.29	3600	
Ba	137	115	2	4.88	4.88	6.80	ppb	800.10	6.61	3600	
W	182	165	2	-0.01	-0.01	-174.75	ppb	546.74	12.85	3600	
Pt	195	165	2	-0.01	-0.01	0.00	ppb	0.00	#DIV/0!	3600	
Tl	205	165	2	0.01	0.01	268.91	ppb	93.34	101.27	3600	
Pb	208	165	2	0.22	0.22	22.68	ppb	2186.94	15.31	3600	
Th	232	165	2	0.04	0.04	36.85	ppb	406.71	22.18	3600	
U	238	165	2	0.73	0.73	6.08	ppb	5948.31	5.21	3600	

QC ISTD Table

Element	m/z	Tune Step	CPS	%RSD	Ref CPS	%Rec	Lower Limit	Upper Limit	QC Flag
Li6	6	1	982522	1.11	1585775	62.0	60	125	
Sc (IS)	45	2	838441	2.26	1118905	74.9	60	125	
Ge (IS)	72	1	9446215	1.12	21661917	43.6	60	125	IS Main Failed
Ge (IS)	72	2	825226	1.68	1482323	55.7	60	125	IS Main Failed
115In	115	2	2368294	0.77	4298090	55.1	60	125	IS Main Failed
Ho-165	165	2	13529376	0.90	24821953	54.5	60	125	IS Main Failed

TuneStep	TuneFile	TuneDate
1	h2_hmi.u	5/1/2012 8:42:00 PM
2	he_hmi.u	5/1/2012 8:42:00 PM

Sample Report

Sample Name	280-28063-E-17-D@5
Data File Name	142SMPL.D
DataPath	d:\DATA\050112a.B
Acq Date Time	2012-05-01T20:46:21-06:00
Type	Sample
VialNumber	2405
Dilution	1
Comment	116805 6020
Operator	LMT
ISTDRefDataFileName	132CALB.D
SamplePassFail	Pass
ISTD PassFail	Pass

QC Analyte Table

Element	m/z	ISTD	Tune Step	Meas Value	FinalConc	%RSD	Units	CPS	CPS %RSD	High Value	QC Flag
Be	9	6	1	0.01	0.01	173.21	ppb	3.33	173.21	3600	
Na	23	45	2	1446738.74	1446738.74	21.31	ppb	325685001.81	6.32	1800000	
Mg	24	45	2	18466.79	18466.79	23.45	ppb	1683581.75	8.27	450000	
Al	27	45	2	4.24	4.24	124.79	ppb	126.68	86.96	450000	
K	39	45	2	5966.72	5966.72	20.41	ppb	247569.76	5.85	180000	
Ca	44	45	2	132374.79	132374.79	24.21	ppb	285825.59	8.94	450000	
V	51	72	2	10.97	10.97	21.59	ppb	10918.99	9.47	3600	
Cr	52	72	2	-0.02	-0.02	-357.96	ppb	193.35	46.65	3600	
Mn	55	72	2	3.46	3.46	39.61	ppb	1793.57	24.60	3600	
Fe	57	72	2	14.29	14.29	40.68	ppb	526.72	29.50	90000	
Co	59	72	2	0.08	0.08	88.66	ppb	246.69	68.96	3600	
Ni	60	72	2	0.57	0.57	19.72	ppb	620.07	22.58	3600	
Cu	63	72	2	0.11	0.11	89.99	ppb	1793.59	22.87	3600	
Zn	66	72	2	0.46	0.46	181.93	ppb	346.70	60.60	3600	
As	75	72	2	22.20	22.20	17.96	ppb	2576.97	6.14	3600	
Se	78	72	1	2.59	2.59	11.54	ppb	1089.39	12.35	3600	
Nb	93	72	2	0.05	0.05	76.23	ppb	460.05	23.01	7200	
Mo	95	115	2	29.28	29.28	28.84	ppb	27417.14	12.96	3600	
Pd	105	115	2	0.02	0.02	143.46	ppb	40.00	100.00	3600	
Ag	107	115	2	0.00	0.00	-379.57	ppb	33.34	124.90	900	
Cd	111	115	2	-0.09	-0.09	-35.89	ppb	13.33	86.60	3600	
Sn	120	115	2	-0.02	-0.02	-402.77	ppb	293.37	32.22	3600	
Sb	121	115	2	-0.01	-0.01	-2077.99	ppb	73.34	83.32	3600	
Ba	137	115	2	1.55	1.55	16.79	ppb	346.70	14.52	3600	
W	182	165	2	0.00	0.00	-1751.74	ppb	786.75	14.68	3600	
Pt	195	165	2	0.01	0.01	144.99	ppb	80.01	75.00	3600	
Tl	205	165	2	0.00	0.00	310.13	ppb	106.68	78.07	3600	
Pb	208	165	2	0.00	0.00	620.39	ppb	946.76	33.83	3600	
Th	232	165	2	0.01	0.01	61.67	ppb	293.37	23.94	3600	
U	238	165	2	0.60	0.60	18.81	ppb	6782.14	3.19	3600	

QC ISTD Table

Element	m/z	Tune Step	CPS	%RSD	Ref CPS	%Rec	Lower Limit	Upper Limit	QC Flag
Li6	6	1	1334079	0.56	1585775	84.1	60	125	
Sc (IS)	45	2	1001034	14.37	1118905	89.5	60	125	
Ge (IS)	72	1	13900919	1.08	21661917	64.2	60	125	
Ge (IS)	72	2	1095465	11.76	1482323	73.9	60	125	
115In	115	2	3206283	14.78	4298090	74.6	60	125	
Ho-165	165	2	18941251	14.52	24821953	76.3	60	125	

TuneStep	TuneFile	TuneDate
1	h2_hmi.u	5/1/2012 8:45:00 PM
2	he_hmi.u	5/1/2012 8:45:00 PM

Continuing Calibration Verification (CCV) - US EPA Method 6020

Sample Name	ccv-1392320
Data File Name	1436CCV.D
DataPath	d:\DATA\050112a.B
Acq Date Time	2012-05-01T20:49:19-06:00
Type	6-CCV
VialNumber	1105
Dilution	1
Comment	
Operator	LMT
ISTDRefDataFileName	132CALB.D
SamplePassFail	Fail
ISTD PassFail	Pass

QC Analyte Table

Element	m/z	ISTD	Tune Step	Meas Value	%RSD	Units	CPS	CPS%RSD	Exp Value	%Rec	QC Low	QC High	QC Flag
Be	9	6	1	49.05	3.47	ppb	21096.93	3.20	50	98.1	90	110	
Na	23	45	2	6139.50	2.78	ppb	1650380.91	0.83	5000	122.8	90	110	6-CCV Main Failed
Mg	24	45	2	5356.36	1.37	ppb	559993.35	0.74	5000	107.1	90	110	
Al	27	45	2	5159.90	2.29	ppb	103650.35	0.94	5000	103.2	90	110	
K	39	45	2	5205.12	2.32	ppb	247007.76	1.27	5000	104.1	90	110	
Ca	44	45	2	5215.65	4.26	ppb	12972.31	4.78	5000	104.3	90	110	
V	51	72	2	51.76	5.79	ppb	68816.91	6.99	50	103.5	90	110	
Cr	52	72	2	50.41	2.78	ppb	97644.26	3.90	50	100.8	90	110	
Mn	55	72	2	51.49	2.71	ppb	34194.39	2.11	50	103.0	90	110	
Fe	57	72	2	5234.80	1.45	ppb	196967.39	0.33	5000	104.7	90	110	
Co	59	72	2	52.89	2.45	ppb	207082.16	1.53	50	105.8	90	110	
Ni	60	72	2	52.86	2.59	ppb	60624.59	1.38	50	105.7	90	110	
Cu	63	72	2	58.45	3.00	ppb	200046.61	1.81	50	116.9	90	110	6-CCV Main Failed
Zn	66	72	2	52.56	6.53	ppb	16001.73	6.65	50	105.1	90	110	
As	75	72	2	50.93	5.43	ppb	7892.08	4.90	50	101.9	90	110	
Se	78	72	1	51.55	1.46	ppb	33956.17	0.70	50	103.1	90	110	
Nb	93	72	2	102.87	0.75	ppb	466029.08	0.88	100	102.9	90	110	
Mo	95	115	2	54.03	2.70	ppb	68656.57	3.53	50	108.1	90	110	
Pd	105	115	2	54.53	2.25	ppb	133287.96	1.36	50	109.1	90	110	
Ag	107	115	2	54.25	1.79	ppb	307610.91	1.46	50	108.5	90	110	
Cd	111	115	2	56.51	2.45	ppb	29039.63	3.03	50	113.0	90	110	6-CCV Main Failed
Sn	120	115	2	52.69	3.29	ppb	63533.88	4.08	50	105.4	90	110	
Sb	121	115	2	51.40	2.19	ppb	38258.75	1.40	50	102.8	90	110	
Ba	137	115	2	52.35	7.89	ppb	15188.06	7.21	50	104.7	90	110	
W	182	165	2	53.50	1.32	ppb	352510.29	1.40	50	107.0	90	110	
Pt	195	165	2	53.81	1.49	ppb	304193.39	1.36	50	107.6	90	110	
Tl	205	165	2	53.39	0.56	ppb	553424.22	0.67	50	106.8	90	110	
Pb	208	165	2	52.94	0.31	ppb	689616.36	0.42	50	105.9	90	110	
Th	232	165	2	52.00	0.23	ppb	646007.41	0.17	50	104.0	90	110	
U	238	165	2	52.53	0.31	ppb	792622.70	0.48	50	105.1	90	110	

QC ISTD Table

Element	m/z	Tune Step	CPS	%RSD	Ref CPS	%Rec	QC Low	QC High	QC Flag
Li6	6	1	1725950	0.38	1585775	108.8	60	125	
Sc (IS)	45	2	1121824	1.86	1118905	100.3	60	125	
Ge (IS)	72	1	22082621	1.14	21661917	101.9	60	125	
Ge (IS)	72	2	1453990	1.21	1482323	98.1	60	125	
115In	115	2	4229228	0.90	4298090	98.4	60	125	
Ho-165	165	2	25046936	0.17	24821953	100.9	60	125	

TuneStep	TuneFile
1	h2_hmi.u
2	he_hmi.u

Continuing Calibration Blank (CCB) - US EPA Method 6020

Sample Name	ccb-1392356
Data File Name	1446CCB.D
DataPath	d:\DATA\050112a.B
Acq Date Time	2012-05-01T20:52:17-06:00
Type	6-CCB
VialNumber	1305
Dilution	1
Comment	
Operator	LMT
ISTDRefDataFileName	132CALB.D
SamplePassFail	Fail
ISTD PassFail	Pass

QC Analyte Table

Element	m/z	ISTD	Tune Step	Meas Value	%RSD	Units	CPS	CPS%RSD	QC High	QC Flag
Be	9	6	1	0.02	57.17	ppb	13.33	57.28	1	
Na	23	45	2	60.24	38.62	ppb	153214.42	7.38	20	6-CCB Main Failed
Mg	24	45	2	1.25	28.86	ppb	880.11	8.19	20	
Al	27	45	2	-1.22	-46.23	ppb	40.00	50.01	20	
K	39	45	2	-10.92	-39.67	ppb	2653.74	15.08	20	
Ca	44	45	2	8.42	172.78	ppb	133.35	48.22	20	
V	51	72	2	-0.13	-12.63	ppb	42.91	91.82	1	
Cr	52	72	2	-0.11	-4.87	ppb	166.68	13.86	1	
Mn	55	72	2	-0.01	-541.71	ppb	280.03	32.73	1	
Fe	57	72	2	1.21	41.54	ppb	393.38	10.59	20	
Co	59	72	2	0.01	67.00	ppb	126.68	36.46	1	
Ni	60	72	2	0.09	66.73	ppb	493.38	26.38	1	
Cu	63	72	2	-0.03	-153.56	ppb	3433.99	6.75	1	
Zn	66	72	2	0.07	433.34	ppb	620.07	26.41	5	
As	75	72	2	-0.18	-23.97	ppb	33.33	34.64	5	
Se	78	72	1	0.00	-313.14	ppb	48.00	30.05	5	
Nb	93	72	2	0.02	46.60	ppb	820.09	9.76	5	
Mo	95	115	2	0.03	34.56	ppb	120.01	16.67	1	
Pd	105	115	2	0.01	118.89	ppb	80.00	86.61	1	
Ag	107	115	2	0.01	119.62	ppb	160.02	54.49	1	
Cd	111	115	2	-0.03	-70.42	ppb	80.01	25.00	1	
Sn	120	115	2	-0.08	-32.37	ppb	513.39	9.80	5	
Sb	121	115	2	0.00	-33213.45	ppb	186.69	49.49	0.2	
Ba	137	115	2	-0.02	-261.40	ppb	13.33	173.21	1	
W	182	165	2	-0.02	-108.66	ppb	1626.92	11.36	1	
Pt	195	165	2	0.01	36.32	ppb	166.68	18.33	1	
Tl	205	165	2	0.01	19.31	ppb	426.72	11.80	1	
Pb	208	165	2	0.01	132.47	ppb	2233.61	17.51	1	
Th	232	165	2	0.00	1516.64	ppb	473.38	30.57	1	
U	238	165	2	0.01	30.77	ppb	246.69	20.41	1	

QC ISTD Table

Element	m/z	Tune Step	CPS	%RSD	Ref CPS	%Rec	QC Low	QC High	QC Flag
Li6	6	1	3489678	2.03	1585775	220.1	60	125	IS Main Failed
Sc (IS)	45	2	2007938	1.32	1118905	179.5	60	125	IS Main Failed
Ge (IS)	72	1	47781549	0.33	21661917	220.6	60	125	IS Main Failed
Ge (IS)	72	2	2653843	2.57	1482323	179.0	60	125	IS Main Failed
115In	115	2	7101733	1.43	4298090	165.2	60	125	IS Main Failed
Ho-165	165	2	41190313	1.26	24821953	165.9	60	125	IS Main Failed

TuneStep	TuneFile
1	h2_hmi.u
2	he_hmi.u

Sample Report

Sample Name	rinse
Data File Name	145SMPL.D
DataPath	d:\DATA\050112a.B
Acq Date Time	2012-05-01T20:55:15-06:00
Type	Sample
VialNumber	3
Dilution	1
Comment	
Operator	LMT
ISTDRefDataFileName	132CALB.D
SamplePassFail	Pass
ISTD PassFail	Pass

QC Analyte Table

Element	m/z	ISTD	Tune Step	Meas Value	FinalConc	%RSD	Units	CPS	CPS %RSD	High Value	QC Flag
Be	9	6	1	0.00	0.00	#DIV/0!	ppb	0.00	#DIV/0!	3600	
Na	23	45	2	96.23	96.23	2.51	ppb	95545.82	0.68	1800000	
Mg	24	45	2	-0.35	-0.35	-112.50	ppb	326.70	12.75	450000	
Al	27	45	2	-0.69	-0.69	-296.55	ppb	33.34	124.90	450000	
K	39	45	2	3.18	3.18	258.95	ppb	2160.32	18.03	180000	
Ca	44	45	2	-0.30	-0.30	-3088.82	ppb	53.34	43.31	450000	
V	51	72	2	-0.19	-0.19	-26.15	ppb	-49.90	-133.90	3600	
Cr	52	72	2	-0.03	-0.03	-192.74	ppb	253.36	44.89	3600	
Mn	55	72	2	-0.10	-0.10	-108.28	ppb	100.01	69.28	3600	
Fe	57	72	2	3.03	3.03	26.46	ppb	286.70	10.66	90000	
Co	59	72	2	-0.01	-0.01	0.00	ppb	0.00	#DIV/0!	3600	
Ni	60	72	2	-0.02	-0.02	-353.94	ppb	146.68	43.83	3600	
Cu	63	72	2	0.02	0.02	507.57	ppb	2086.98	16.67	3600	
Zn	66	72	2	0.52	0.52	56.59	ppb	480.05	18.16	3600	
As	75	72	2	-0.06	-0.06	-229.09	ppb	36.67	56.77	3600	
Se	78	72	1	0.01	0.01	389.41	ppb	28.00	71.43	3600	
Nb	93	72	2	0.47	0.47	17.87	ppb	2513.74	13.93	7200	
Mo	95	115	2	-0.02	-0.02	-97.08	ppb	20.00	100.00	3600	
Pd	105	115	2	0.01	0.01	35.88	ppb	46.67	24.74	3600	
Ag	107	115	2	0.00	0.00	-549.63	ppb	46.67	89.21	900	
Cd	111	115	2	-0.04	-0.04	-143.43	ppb	46.67	65.47	3600	
Sn	120	115	2	0.02	0.02	127.42	ppb	440.05	7.87	3600	
Sb	121	115	2	-0.08	-0.08	-38.14	ppb	53.33	43.30	3600	
Ba	137	115	2	0.00	0.00	-5283.84	ppb	13.33	86.60	3600	
W	182	165	2	0.01	0.01	567.62	ppb	1160.17	25.40	3600	
Pt	195	165	2	0.01	0.01	98.57	ppb	113.34	56.73	3600	
Tl	205	165	2	0.01	0.01	95.26	ppb	200.02	43.59	3600	
Pb	208	165	2	0.01	0.01	34.07	ppb	1353.50	3.08	3600	
Th	232	165	2	0.07	0.07	19.83	ppb	1126.82	14.78	3600	
U	238	165	2	0.01	0.01	18.66	ppb	160.02	12.50	3600	

QC ISTD Table

Element	m/z	Tune Step	CPS	%RSD	Ref CPS	%Rec	Lower Limit	Upper Limit	QC Flag
Li6	6	1	1552543	0.27	1585775	97.9	60	125	
Sc (IS)	45	2	1129968	0.39	1118905	101.0	60	125	
Ge (IS)	72	1	20743100	0.53	21661917	95.8	60	125	
Ge (IS)	72	2	1467748	1.34	1482323	99.0	60	125	
115In	115	2	4361187	0.73	4298090	101.5	60	125	
Ho-165	165	2	25464092	0.67	24821953	102.6	60	125	

TuneStep	TuneFile	TuneDate
1	h2_hmi.u	5/1/2012 8:53:00 PM
2	he_hmi.u	5/1/2012 8:53:00 PM

Sample Report

Sample Name	rinse
Data File Name	146SMPL.D
DataPath	d:\DATA\050112a.B
Acq Date Time	2012-05-01T20:58:15-06:00
Type	Sample
VialNumber	3
Dilution	1
Comment	
Operator	LMT
ISTDRefDataFileName	132CALB.D
SamplePassFail	Pass
ISTD PassFail	Pass

QC Analyte Table

Element	m/z	ISTD	Tune Step	Meas Value	FinalConc	%RSD	Units	CPS	CPS %RSD	High Value	QC Flag
Be	9	6	1	0.00	0.00	#DIV/0!	ppb	0.00	#DIV/0!	3600	
Na	23	45	2	60.09	60.09	13.09	ppb	84574.15	2.59	1800000	
Mg	24	45	2	0.62	0.62	304.44	ppb	420.04	45.92	450000	
Al	27	45	2	2.03	2.03	76.10	ppb	86.68	35.25	450000	
K	39	45	2	2.03	2.03	297.82	ppb	2066.96	13.83	180000	
Ca	44	45	2	8.33	8.33	247.42	ppb	73.34	68.64	450000	
V	51	72	2	-0.21	-0.21	-50.95	ppb	-72.11	-191.19	3600	
Cr	52	72	2	-0.09	-0.09	-27.61	ppb	126.68	39.74	3600	
Mn	55	72	2	0.04	0.04	300.03	ppb	186.69	40.56	3600	
Fe	57	72	2	3.50	3.50	39.51	ppb	300.04	17.64	90000	
Co	59	72	2	0.00	0.00	7193.49	ppb	33.34	124.90	3600	
Ni	60	72	2	0.03	0.03	298.60	ppb	200.02	55.68	3600	
Cu	63	72	2	-0.08	-0.08	-71.99	ppb	1733.59	10.47	3600	
Zn	66	72	2	0.26	0.26	111.13	ppb	393.39	21.17	3600	
As	75	72	2	-0.10	-0.10	-63.60	ppb	30.00	33.33	3600	
Se	78	72	1	0.02	0.02	172.59	ppb	36.00	61.86	3600	
Nb	93	72	2	0.16	0.16	26.23	ppb	1073.46	16.07	7200	
Mo	95	115	2	0.03	0.03	93.11	ppb	73.34	41.66	3600	
Pd	105	115	2	0.01	0.01	117.08	ppb	33.34	69.29	3600	
Ag	107	115	2	-0.01	-0.01	-24.91	ppb	6.67	173.21	900	
Cd	111	115	2	-0.04	-0.04	-151.54	ppb	46.67	65.47	3600	
Sn	120	115	2	-0.08	-0.08	-150.26	ppb	306.70	48.95	3600	
Sb	121	115	2	-0.12	-0.12	-21.50	ppb	20.00	100.00	3600	
Ba	137	115	2	0.00	0.00	-99342.81	ppb	13.33	173.21	3600	
W	182	165	2	-0.01	-0.01	-140.91	ppb	1053.47	5.80	3600	
Pt	195	165	2	0.01	0.01	121.61	ppb	113.34	71.32	3600	
Tl	205	165	2	0.00	0.00	279.47	ppb	126.68	39.74	3600	
Pb	208	165	2	-0.01	-0.01	-84.26	ppb	1120.12	4.73	3600	
Th	232	165	2	0.04	0.04	26.15	ppb	840.11	16.50	3600	
U	238	165	2	0.00	0.00	44.75	ppb	100.01	20.00	3600	

QC ISTD Table

Element	m/z	Tune Step	CPS	%RSD	Ref CPS	%Rec	Lower Limit	Upper Limit	QC Flag
Li6	6	1	1548840	0.49	1585775	97.7	60	125	
Sc (IS)	45	2	1108969	0.24	1118905	99.1	60	125	
Ge (IS)	72	1	20947843	0.52	21661917	96.7	60	125	
Ge (IS)	72	2	1446718	1.10	1482323	97.6	60	125	
115In	115	2	4314885	0.80	4298090	100.4	60	125	
Ho-165	165	2	25279157	0.98	24821953	101.8	60	125	

TuneStep	TuneFile	TuneDate
1	h2_hmi.u	5/1/2012 8:56:00 PM
2	he_hmi.u	5/1/2012 8:56:00 PM

Sample Report

Sample Name	rinse
Data File Name	147SMPL.D
DataPath	d:\DATA\050112a.B
Acq Date Time	2012-05-01T21:01:14-06:00
Type	Sample
VialNumber	3
Dilution	1
Comment	
Operator	LMT
ISTDRefDataFileName	132CALB.D
SamplePassFail	Pass
ISTD PassFail	Pass

QC Analyte Table

Element	m/z	ISTD	Tune Step	Meas Value	FinalConc	%RSD	Units	CPS	CPS%RSD	High Value	QC Flag
Be	9	6	1	0.00	0.00	#DIV/0!	ppb	0.00	#DIV/0!	3600	
Na	23	45	2	21.92	21.92	6.57	ppb	73346.11	0.35	1800000	
Mg	24	45	2	1.09	1.09	99.13	ppb	460.04	24.21	450000	
Al	27	45	2	-0.96	-0.96	-162.94	ppb	26.67	114.57	450000	
K	39	45	2	-1.45	-1.45	-391.68	ppb	1866.92	13.99	180000	
Ca	44	45	2	-4.96	-4.96	-338.11	ppb	40.00	100.00	450000	
V	51	72	2	-0.19	-0.19	-33.92	ppb	-52.26	-162.73	3600	
Cr	52	72	2	-0.07	-0.07	-31.73	ppb	173.35	24.02	3600	
Mn	55	72	2	-0.08	-0.08	-43.62	ppb	106.68	21.64	3600	
Fe	57	72	2	3.55	3.55	14.27	ppb	300.03	6.67	90000	
Co	59	72	2	0.00	0.00	2217.61	ppb	33.33	34.64	3600	
Ni	60	72	2	0.20	0.20	55.20	ppb	393.38	32.69	3600	
Cu	63	72	2	-0.02	-0.02	-675.56	ppb	1900.28	26.57	3600	
Zn	66	72	2	0.06	0.06	470.80	ppb	333.37	24.98	3600	
As	75	72	2	-0.21	-0.21	-18.54	ppb	13.33	43.30	3600	
Se	78	72	1	0.00	0.00	-506.00	ppb	20.00	60.00	3600	
Nb	93	72	2	0.09	0.09	19.17	ppb	773.42	10.45	7200	
Mo	95	115	2	-0.02	-0.02	-0.31	ppb	20.00	0.00	3600	
Pd	105	115	2	0.02	0.02	43.29	ppb	60.01	33.34	3600	
Ag	107	115	2	0.00	0.00	114.39	ppb	73.34	31.49	900	
Cd	111	115	2	0.05	0.05	189.60	ppb	93.34	53.93	3600	
Sn	120	115	2	0.08	0.08	80.50	ppb	506.73	15.95	3600	
Sb	121	115	2	-0.06	-0.06	-107.99	ppb	66.67	75.50	3600	
Ba	137	115	2	-0.02	-0.02	-174.51	ppb	6.67	173.21	3600	
W	182	165	2	0.00	0.00	-625.53	ppb	1086.81	10.47	3600	
Pt	195	165	2	0.01	0.01	83.30	ppb	120.01	50.00	3600	
Tl	205	165	2	0.00	0.00	208.28	ppb	133.35	37.75	3600	
Pb	208	165	2	-0.01	-0.01	-116.69	ppb	1133.46	7.13	3600	
Th	232	165	2	0.04	0.04	34.10	ppb	740.08	21.11	3600	
U	238	165	2	0.00	0.00	129.39	ppb	93.34	53.93	3600	

QC ISTD Table

Element	m/z	Tune Step	CPS	%RSD	Ref CPS	%Rec	Lower Limit	Upper Limit	QC Flag
Li6	6	1	1455053	1.53	1585775	91.8	60	125	
Sc (IS)	45	2	1086637	0.48	1118905	97.1	60	125	
Ge (IS)	72	1	20321734	0.31	21661917	93.8	60	125	
Ge (IS)	72	2	1437208	0.51	1482323	97.0	60	125	
115In	115	2	4304043	0.31	4298090	100.1	60	125	
Ho-165	165	2	25383727	0.42	24821953	102.3	60	125	

TuneStep	TuneFile	TuneDate
1	h2_hmi.u	5/1/2012 8:59:00 PM
2	he_hmi.u	5/1/2012 8:59:00 PM

Sample Report

Sample Name	rinse
Data File Name	148SMPL.D
DataPath	d:\DATA\050112a.B
Acq Date Time	2012-05-01T21:04:13-06:00
Type	Sample
VialNumber	3
Dilution	1
Comment	
Operator	LMT
ISTDRefDataFileName	132CALB.D
SamplePassFail	Pass
ISTD PassFail	Pass

QC Analyte Table

Element	m/z	ISTD	Tune Step	Meas Value	FinalConc	%RSD	Units	CPS	CPS %RSD	High Value	QC Flag
Be	9	6	1	0.01	0.01	86.61	ppb	3.33	86.60	3600	
Na	23	45	2	-31.59	-31.59	-19.30	ppb	59805.37	2.30	1800000	
Mg	24	45	2	0.65	0.65	201.05	ppb	413.38	31.48	450000	
Al	27	45	2	-0.27	-0.27	-384.97	ppb	40.00	50.01	450000	
K	39	45	2	3.11	3.11	288.16	ppb	2066.96	19.39	180000	
Ca	44	45	2	-2.12	-2.12	-821.52	ppb	46.67	89.21	450000	
V	51	72	2	-0.13	-0.13	-22.32	ppb	30.36	122.10	3600	
Cr	52	72	2	-0.05	-0.05	-100.36	ppb	206.69	45.73	3600	
Mn	55	72	2	-0.07	-0.07	-179.32	ppb	113.35	71.32	3600	
Fe	57	72	2	1.82	1.82	97.22	ppb	233.35	27.55	90000	
Co	59	72	2	0.00	0.00	-120.98	ppb	13.33	173.21	3600	
Ni	60	72	2	0.01	0.01	616.45	ppb	173.35	46.63	3600	
Cu	63	72	2	-0.04	-0.04	-161.99	ppb	1813.57	13.34	3600	
Zn	66	72	2	0.37	0.37	113.10	ppb	420.05	28.97	3600	
As	75	72	2	-0.16	-0.16	-81.79	ppb	20.00	100.00	3600	
Se	78	72	1	0.01	0.01	296.99	ppb	25.33	36.46	3600	
Nb	93	72	2	0.03	0.03	141.21	ppb	506.72	39.54	7200	
Mo	95	115	2	0.00	0.00	-28171.27	ppb	40.00	50.00	3600	
Pd	105	115	2	0.00	0.00	301.59	ppb	20.00	100.00	3600	
Ag	107	115	2	0.00	0.00	-115.59	ppb	26.67	114.57	900	
Cd	111	115	2	0.06	0.06	104.06	ppb	100.01	34.65	3600	
Sn	120	115	2	-0.06	-0.06	-183.60	ppb	340.03	35.78	3600	
Sb	121	115	2	-0.04	-0.04	-179.84	ppb	80.01	75.00	3600	
Ba	137	115	2	0.00	0.00	87040.75	ppb	13.33	173.21	3600	
W	182	165	2	0.04	0.04	84.75	ppb	1346.86	15.46	3600	
Pt	195	165	2	0.00	0.00	216.57	ppb	66.67	62.45	3600	
Tl	205	165	2	0.00	0.00	122.93	ppb	133.34	22.91	3600	
Pb	208	165	2	0.00	0.00	-740.95	ppb	1173.47	13.24	3600	
Th	232	165	2	0.02	0.02	50.12	ppb	506.73	21.74	3600	
U	238	165	2	0.00	0.00	-55.95	ppb	33.33	34.64	3600	

QC ISTD Table

Element	m/z	Tune Step	CPS	%RSD	Ref CPS	%Rec	Lower Limit	Upper Limit	QC Flag
Li6	6	1	1427637	1.06	1585775	90.0	60	125	
Sc (IS)	45	2	1083136	0.31	1118905	96.8	60	125	
Ge (IS)	72	1	20120207	1.07	21661917	92.9	60	125	
Ge (IS)	72	2	1424470	0.47	1482323	96.1	60	125	
115In	115	2	4307775	0.63	4298090	100.2	60	125	
Ho-165	165	2	25264357	0.26	24821953	101.8	60	125	

TuneStep	TuneFile	TuneDate
1	h2_hmi.u	5/1/2012 9:02:00 PM
2	he_hmi.u	5/1/2012 9:02:00 PM

Calibration Blank Report

Sample Name	icis
Data File Name	149CALB.D
DataPath	d:\DATA\050112a.B
Acq Date Time	2012-05-01T21:07:12-06:00
Type	CalBlk
VialNumber	2511
Dilution	1
Comment	
Operator	LMT

QC Analyte Table

Element	m/z	ISTD	Tune Step	CPS	%RSD
Be	9	6	1	0	#DIV/0!
Na	23	45	2	54047	3.01
Mg	24	45	2	467	28.54
Al	27	45	2	27	114.57
K	39	45	2	1787	14.61
Ca	44	45	2	33	91.65
V	51	72	2	18	543.97
Cr	52	72	2	213	60.27
Mn	55	72	2	140	65.47
Fe	57	72	2	227	26.96
Co	59	72	2	60	88.21
Ni	60	72	2	173	58.08
Cu	63	72	2	1907	20.70
Zn	66	72	2	287	4.03
As	75	72	2	30	88.19
Se	78	72	1	15	95.78
Nb	93	72	2	547	5.59
Mo	95	115	2	53	57.29
Pd	105	115	2	53	57.29
Ag	107	115	2	33	34.64
Cd	111	115	2	73	15.75
Sn	120	115	2	513	18.41
Sb	121	115	2	80	90.15
Ba	137	115	2	0	#DIV/0!
W	182	165	2	1080	21.83
Pt	195	165	2	47	98.98
Tl	205	165	2	140	62.27
Pb	208	165	2	873	19.74
Th	232	165	2	533	8.66
U	238	165	2	47	137.77

QC ISTD Table

Element	m/z	Tune Step	CPS	%RSD
Li6	6	1	1373007	3.52
Sc (IS)	45	2	1062732	0.58
Ge (IS)	72	1	19161317	0.75
Ge (IS)	72	2	1405307	0.53
115In	115	2	4244795	0.43
Ho-165	165	2	25189102	0.38

TuneStep	TuneFile	TuneDate
1	h2_hmi.u	5/1/2012 9:05:00 PM
2	he_hmi.u	5/1/2012 9:05:00 PM

Calibration Standard Report

Sample Name	cal-1392319
Data File Name	150CALS.D
DataPath	d:\DATA\050112a.B
Acq Date Time	2012-05-01T21:10:10-06:00
Type	CalStd
VialNumber	2512
Dilution	1
Comment	
Operator	LMT
ISTDRefDataFileName	149CALB.D
ISTD PassFail	Pass

QC Analyte Table

Element	m/z	ISTD	Tune Step	CPS	%RSD
Be	9	6	1	35417	1.47
Na	23	45	2	2472803	0.66
Mg	24	45	2	989213	1.04
Al	27	45	2	185705	0.66
K	39	45	2	446216	0.13
Ca	44	45	2	24418	6.82
V	51	72	2	128997	2.16
Cr	52	72	2	182290	1.06
Mn	55	72	2	62217	2.90
Fe	57	72	2	360189	1.34
Co	59	72	2	378585	1.03
Ni	60	72	2	110673	1.97
Cu	63	72	2	325735	0.29
Zn	66	72	2	28665	1.65
As	75	72	2	14853	2.51
Se	78	72	1	56602	0.55
Nb	93	72	2	872585	1.43
Mo	95	115	2	127174	1.31
Pd	105	115	2	245093	0.42
Ag	107	115	2	563884	0.97
Cd	111	115	2	52496	0.46
(Cd)	114	115	2	139052	0.79
Sn	120	115	2	123871	1.71
Sb	121	115	2	75717	1.83
Ba	137	115	2	29354	4.58
W	182	165	2	668381	1.36
Pt	195	165	2	583753	0.61
Tl	205	165	2	1068556	0.47
Pb	208	165	2	1355776	0.76
Th	232	165	2	1300191	1.19
U	238	165	2	1576859	0.28

QC ISTD Table

Element	m/z	Tune Step	CPS	%RSD	Reference CPS	%Recovery	Lower Limit	Upper Limit	QC Flag
Li6	6	1	1327261	0.72	1373007	96.7	60	125	
Sc (IS)	45	2	1018385	0.34	1062732	95.8	60	125	
Ge (IS)	72	1	18308803	1.74	19161317	95.6	60	125	
Ge (IS)	72	2	1329334	0.83	1405307	94.6	60	125	
115In	115	2	4121693	0.54	4244795	97.1	60	125	
Ho-165	165	2	24727079	0.61	25189102	98.2	60	125	

TuneStep	TuneFile	TuneDate
1	h2_hmi.u	5/1/2012 9:08:00 PM
2	he_hmi.u	5/1/2012 9:08:00 PM

Continuing Calibration Verification (CCV) - US EPA Method 6020

Sample Name	ccv-1392320
Data File Name	1516CCV.D
DataPath	d:\DATA\050112a.B
Acq Date Time	2012-05-01T21:13:09-06:00
Type	6-CCV
VialNumber	1105
Dilution	1
Comment	
Operator	LMT
ISTDRefDataFileName	149CALB.D
SamplePassFail	Pass
ISTD PassFail	Pass

QC Analyte Table

Element	m/z	ISTD	Tune Step	Meas Value	%RSD	Units	CPS	CPS%RSD	Exp Value	%Rec	QC Low	QC High	QC Flag
Be	9	6	1	47.71	3.65	ppb	16899.39	3.55	50	95.4	90	110	
Na	23	45	2	5078.95	2.31	ppb	1285133.58	2.50	5000	101.6	90	110	
Mg	24	45	2	4915.18	1.01	ppb	487850.46	1.31	5000	98.3	90	110	
Al	27	45	2	4996.35	3.10	ppb	93054.38	2.77	5000	99.9	90	110	
K	39	45	2	4978.26	2.23	ppb	223638.88	2.41	5000	99.6	90	110	
Ca	44	45	2	4964.04	7.57	ppb	12171.74	7.28	5000	99.3	90	110	
V	51	72	2	50.22	4.57	ppb	64543.59	4.54	50	100.4	90	110	
Cr	52	72	2	49.70	1.72	ppb	90360.00	2.04	50	99.4	90	110	
Mn	55	72	2	51.91	4.55	ppb	32231.57	4.26	50	103.8	90	110	
Fe	57	72	2	4978.21	1.02	ppb	178751.49	0.75	5000	99.6	90	110	
Co	59	72	2	50.21	0.77	ppb	189412.76	0.62	50	100.4	90	110	
Ni	60	72	2	51.08	0.80	ppb	56404.18	0.55	50	102.2	90	110	
Cu	63	72	2	54.42	1.56	ppb	177421.33	1.88	50	108.8	90	110	
Zn	66	72	2	49.45	3.72	ppb	14260.25	3.95	50	98.9	90	110	
As	75	72	2	48.71	7.43	ppb	7221.79	7.09	50	97.4	90	110	
Se	78	72	1	49.56	1.35	ppb	27867.15	0.40	50	99.1	90	110	
Nb	93	72	2	100.58	1.20	ppb	437414.37	1.17	100	100.6	90	110	
Mo	95	115	2	48.47	1.92	ppb	61791.90	1.24	50	96.9	90	110	
Pd	105	115	2	49.60	1.03	ppb	121855.81	0.80	50	99.2	90	110	
Ag	107	115	2	51.34	1.60	ppb	290164.82	1.53	50	102.7	90	110	
Cd	111	115	2	52.12	2.85	ppb	27457.11	3.52	50	104.2	90	110	
Sn	120	115	2	49.84	2.40	ppb	62127.71	2.71	50	99.7	90	110	
Sb	121	115	2	48.45	1.59	ppb	36808.43	2.28	50	96.9	90	110	
Ba	137	115	2	49.48	7.56	ppb	14560.60	8.06	50	99.0	90	110	
W	182	165	2	50.86	0.69	ppb	343310.37	0.74	50	101.7	90	110	
Pt	195	165	2	49.81	0.96	ppb	293192.74	0.99	50	99.6	90	110	
Tl	205	165	2	50.99	0.65	ppb	549421.96	0.59	50	102.0	90	110	
Pb	208	165	2	50.30	0.44	ppb	688049.45	0.46	50	100.6	90	110	
Th	232	165	2	50.09	0.79	ppb	656952.24	0.75	50	100.2	90	110	
U	238	165	2	50.35	1.12	ppb	800537.02	1.15	50	100.7	90	110	

QC ISTD Table

Element	m/z	Tune Step	CPS	%RSD	Ref CPS	%Rec	QC Low	QC High	QC Flag
Li6	6	1	1327369	0.66	1373007	96.7	60	125	
Sc (IS)	45	2	1021281	0.35	1062732	96.1	60	125	
Ge (IS)	72	1	18183859	1.75	19161317	94.9	60	125	
Ge (IS)	72	2	1324354	0.33	1405307	94.2	60	125	
115In	115	2	4130658	0.69	4244795	97.3	60	125	
Ho-165	165	2	24931925	0.06	25189102	99.0	60	125	

TuneStep	TuneFile
1	h2_hmi.u
2	he_hmi.u

Continuing Calibration Blank (CCB) - US EPA Method 6020

Sample Name	ccb-1392356
Data File Name	1526CCB.D
DataPath	d:\DATA\050112a.B
Acq Date Time	2012-05-01T21:16:07-06:00
Type	6-CCB
VialNumber	1305
Dilution	1
Comment	
Operator	LMT
ISTDRefDataFileName	149CALB.D
SamplePassFail	Fail
ISTD PassFail	Pass

QC Analyte Table

Element	m/z	ISTD	Tune Step	Meas Value	%RSD	Units	CPS	CPS %RSD	QC High	QC Flag
Be	9	6	1	0.01	31.89	ppb	8.33	34.64	1	
Na	23	45	2	3.34	864.88	ppb	97541.95	11.94	20	
Mg	24	45	2	2.21	91.78	ppb	1233.50	29.02	20	
Al	27	45	2	1.36	205.41	ppb	93.35	101.27	20	
K	39	45	2	-10.20	-35.80	ppb	2333.71	11.58	20	
Ca	44	45	2	3.14	212.74	ppb	73.34	41.66	20	
V	51	72	2	-0.01	-130.90	ppb	-1.51	-2955.22	1	
Cr	52	72	2	-0.04	-67.85	ppb	253.36	37.31	1	
Mn	55	72	2	-0.02	-212.65	ppb	226.69	28.36	1	
Fe	57	72	2	-0.97	-193.51	ppb	346.70	38.42	20	
Co	59	72	2	-0.01	-49.85	ppb	40.01	86.60	1	
Ni	60	72	2	0.05	75.81	ppb	413.37	16.99	1	
Cu	63	72	2	-0.08	-66.58	ppb	2947.15	10.83	1	
Zn	66	72	2	0.24	122.36	ppb	653.41	23.78	5	
As	75	72	2	-0.17	-23.92	ppb	6.67	173.21	5	
Se	78	72	1	0.01	299.18	ppb	40.00	72.11	5	
Nb	93	72	2	-0.01	-143.61	ppb	893.45	17.10	5	
Mo	95	115	2	-0.02	-100.98	ppb	46.67	89.21	1	
Pd	105	115	2	0.00	-80.11	ppb	73.34	15.75	1	
Ag	107	115	2	0.00	-3.44	ppb	40.00	0.00	1	
Cd	111	115	2	-0.08	-16.09	ppb	46.67	24.75	1	
Sn	120	115	2	-0.14	-49.60	ppb	553.39	27.13	5	
Sb	121	115	2	-0.02	-357.19	ppb	113.34	61.98	0.2	
Ba	137	115	2	0.04	100.54	ppb	20.00	100.00	1	
W	182	165	2	-0.02	-219.57	ppb	1586.90	27.40	1	
Pt	195	165	2	0.00	-38.12	ppb	46.67	24.74	1	
Tl	205	165	2	0.00	172.81	ppb	306.70	42.43	1	
Pb	208	165	2	0.02	64.48	ppb	1960.24	16.86	1	
Th	232	165	2	-0.03	-24.97	ppb	300.04	48.08	1	
U	238	165	2	0.00	13.35	ppb	166.69	6.93	1	

QC ISTD Table

Element	m/z	Tune Step	CPS	%RSD	Ref CPS	%Rec	QC Low	QC High	QC Flag
Li6	6	1	2688414	3.78	1373007	195.8	60	125	IS Main Failed
Sc (IS)	45	2	1890628	1.33	1062732	177.9	60	125	IS Main Failed
Ge (IS)	72	1	39437660	2.98	19161317	205.8	60	125	IS Main Failed
Ge (IS)	72	2	2564127	1.09	1405307	182.5	60	125	IS Main Failed
115In	115	2	7069292	1.33	4244795	166.5	60	125	IS Main Failed
Ho-165	165	2	41640768	0.24	25189102	165.3	60	125	IS Main Failed

TuneStep	TuneFile
1	h2_hmi.u
2	he_hmi.u

Sample Report

Sample Name	MB 280-117259/1-A
Data File Name	153SMPL.D
DataPath	d:\DATA\050112a.B
Acq Date Time	2012-05-01T21:19:06-06:00
Type	Sample
VialNumber	3101
Dilution	1
Comment	117259 6020
Operator	LMT
ISTDRefDataFileName	149CALB.D
SamplePassFail	Pass
ISTD PassFail	Pass

QC Analyte Table

Element	m/z	ISTD	Tune Step	Meas Value	FinalConc	%RSD	Units	CPS	CPS %RSD	High Value	QC Flag
Be	9	6	1	0.01	0.01	173.21	ppb	3.33	173.21	3600	
Na	23	45	2	-34.04	-34.04	-57.83	ppb	40988.26	10.76	1800000	
Mg	24	45	2	0.50	0.50	323.57	ppb	466.71	31.59	450000	
Al	27	45	2	4.35	4.35	26.15	ppb	100.01	20.00	450000	
K	39	45	2	5.98	5.98	136.47	ppb	1860.28	17.77	180000	
Ca	44	45	2	27.50	27.50	90.14	ppb	93.34	61.85	450000	
V	51	72	2	-0.02	-0.02	-794.35	ppb	-2.58	-5786.00	3600	
Cr	52	72	2	0.02	0.02	337.23	ppb	226.69	50.17	3600	
Mn	55	72	2	0.53	0.53	44.26	ppb	440.04	31.49	3600	
Fe	57	72	2	21.15	21.15	10.19	ppb	933.45	8.11	90000	
Co	59	72	2	0.00	0.00	-6729.55	ppb	53.34	141.98	3600	
Ni	60	72	2	0.02	0.02	256.68	ppb	180.02	33.33	3600	
Cu	63	72	2	0.41	0.41	17.94	ppb	2987.17	7.76	3600	
Zn	66	72	2	-0.07	-0.07	-369.46	ppb	240.02	30.05	3600	
As	75	72	2	-0.07	-0.07	-147.39	ppb	16.67	91.65	3600	
Se	78	72	1	0.02	0.02	71.65	ppb	21.33	28.64	3600	
Nb	93	72	2	0.61	0.61	10.64	ppb	3020.55	8.76	7200	
Mo	95	115	2	-0.01	-0.01	-190.82	ppb	40.00	50.00	3600	
Pd	105	115	2	0.00	0.00	-1058.29	ppb	46.67	89.21	3600	
Ag	107	115	2	0.01	0.01	55.91	ppb	86.67	35.25	900	
Cd	111	115	2	-0.08	-0.08	-108.11	ppb	26.67	173.21	3600	
Sn	120	115	2	-0.21	-0.21	-43.50	ppb	233.36	47.21	3600	
Sb	121	115	2	0.01	0.01	545.12	ppb	80.01	25.00	3600	
Ba	137	115	2	0.65	0.65	71.05	ppb	186.68	71.34	3600	
W	182	165	2	0.04	0.04	138.25	ppb	1273.50	25.05	3600	
Pt	195	165	2	0.00	0.00	284.02	ppb	66.67	91.65	3600	
Tl	205	165	2	0.02	0.02	40.91	ppb	333.37	24.25	3600	
Pb	208	165	2	0.50	0.50	4.66	ppb	7441.49	4.71	3600	
Th	232	165	2	0.19	0.19	17.80	ppb	2953.90	14.23	3600	
U	238	165	2	0.02	0.02	17.04	ppb	280.03	14.28	3600	

QC ISTD Table

Element	m/z	Tune Step	CPS	%RSD	Ref CPS	%Rec	Lower Limit	Upper Limit	QC Flag
Li6	6	1	1208783	1.94	1373007	88.0	60	125	
Sc (IS)	45	2	958555	0.69	1062732	90.2	60	125	
Ge (IS)	72	1	16730101	0.60	19161317	87.3	60	125	
Ge (IS)	72	2	1271156	0.20	1405307	90.5	60	125	
115In	115	2	4039450	0.60	4244795	95.2	60	125	
Ho-165	165	2	24266130	0.63	25189102	96.3	60	125	

TuneStep	TuneFile	TuneDate
1	h2_hmi.u	5/1/2012 9:17:00 PM
2	he_hmi.u	5/1/2012 9:17:00 PM

Sample Report

Sample Name	LCS 280-117259/2-A
Data File Name	154SMPL.D
DataPath	d:\DATA\050112a.B
Acq Date Time	2012-05-01T21:22:05-06:00
Type	Sample
VialNumber	3102
Dilution	1
Comment	117259 6020
Operator	LMT
ISTDRefDataFileName	149CALB.D
SamplePassFail	Pass
ISTD PassFail	Pass

QC Analyte Table

Element	m/z	ISTD	Tune Step	Meas Value	FinalConc	%RSD	Units	CPS	CPS %RSD	High Value	QC Flag
Be	9	6	1	37.89	37.89	9.60	ppb	11573.74	4.22	3600	
Na	23	45	2	-74.26	-74.26	-4.23	ppb	31101.24	2.52	1800000	
Mg	24	45	2	-1.30	-1.30	-80.33	ppb	293.36	32.22	450000	
Al	27	45	2	2.14	2.14	197.02	ppb	60.00	120.19	450000	
K	39	45	2	7.15	7.15	88.39	ppb	1866.92	13.94	180000	
Ca	44	45	2	19.65	19.65	26.59	ppb	73.34	15.75	450000	
V	51	72	2	40.01	40.01	5.10	ppb	47983.80	4.85	3600	
Cr	52	72	2	39.92	39.92	2.29	ppb	67741.98	1.35	3600	
Mn	55	72	2	41.36	41.36	0.77	ppb	23990.94	1.50	3600	
Fe	57	72	2	4.80	4.80	86.33	ppb	360.04	38.49	90000	
Co	59	72	2	40.25	40.25	1.59	ppb	141704.05	1.34	3600	
Ni	60	72	2	39.75	39.75	1.79	ppb	40995.58	2.11	3600	
Cu	63	72	2	40.13	40.13	1.68	ppb	122502.65	0.83	3600	
Zn	66	72	2	38.97	38.97	13.35	ppb	10530.85	12.06	3600	
As	75	72	2	36.20	36.20	7.35	ppb	5014.26	6.71	3600	
Se	78	72	1	36.71	36.71	9.30	ppb	18257.49	4.00	3600	
Nb	93	72	2	0.27	0.27	18.51	ppb	1573.56	12.98	7200	
Mo	95	115	2	39.53	39.53	3.70	ppb	48169.27	2.78	3600	
Pd	105	115	2	-0.01	-0.01	-133.91	ppb	26.67	114.57	3600	
Ag	107	115	2	40.41	40.41	1.95	ppb	218220.98	0.95	900	
Cd	111	115	2	40.61	40.61	10.74	ppb	20447.06	9.69	3600	
Sn	120	115	2	40.00	40.00	3.50	ppb	47735.25	2.83	3600	
Sb	121	115	2	38.08	38.08	4.60	ppb	27664.73	4.65	3600	
Ba	137	115	2	42.71	42.71	6.43	ppb	12005.43	5.79	3600	
W	182	165	2	0.01	0.01	286.90	ppb	1093.47	14.90	3600	
Pt	195	165	2	0.00	0.00	108.12	ppb	73.34	41.66	3600	
Tl	205	165	2	41.32	41.32	0.62	ppb	432563.36	0.64	3600	
Pb	208	165	2	41.35	41.35	1.50	ppb	549600.09	1.17	3600	
Th	232	165	2	38.35	38.35	0.98	ppb	488730.70	1.41	3600	
U	238	165	2	41.74	41.74	0.55	ppb	644733.59	0.62	3600	

QC ISTD Table

Element	m/z	Tune Step	CPS	%RSD	Ref CPS	%Rec	Lower Limit	Upper Limit	QC Flag
Li6	6	1	1148592	5.95	1373007	83.7	60	125	
Sc (IS)	45	2	936631	0.28	1062732	88.1	60	125	
Ge (IS)	72	1	16126738	5.19	19161317	84.2	60	125	
Ge (IS)	72	2	1235771	1.01	1405307	87.9	60	125	
115In	115	2	3947783	1.07	4244795	93.0	60	125	
Ho-165	165	2	24220245	0.45	25189102	96.2	60	125	

TuneStep	TuneFile	TuneDate
1	h2_hmi.u	5/1/2012 9:20:00 PM
2	he_hmi.u	5/1/2012 9:20:00 PM

Sample Report

Sample Name	280-28099-E-4-B
Data File Name	155SMPL.D
DataPath	d:\DATA\050112a.B
Acq Date Time	2012-05-01T21:25:02-06:00
Type	Sample
VialNumber	3103
Dilution	1
Comment	117259 6020
Operator	LMT
ISTDRefDataFileName	149CALB.D
SamplePassFail	Pass
ISTD PassFail	Pass

QC Analyte Table

Element	m/z	ISTD	Tune Step	Meas Value	FinalConc	%RSD	Units	CPS	CPS %RSD	High Value	QC Flag
Be	9	6	1	0.04	0.04	82.31	ppb	13.33	78.06	3600	
Na	23	45	2	10402.76	10402.76	3.57	ppb	2387894.86	1.48	1800000	
Mg	24	45	2	3084.94	3084.94	5.01	ppb	283743.40	3.06	450000	
Al	27	45	2	3.60	3.60	95.93	ppb	86.67	70.50	450000	
K	39	45	2	6301.37	6301.37	2.63	ppb	261837.73	0.62	180000	
Ca	44	45	2	12304.03	12304.03	8.88	ppb	27890.10	7.11	450000	
V	51	72	2	0.17	0.17	131.17	ppb	215.67	121.32	3600	
Cr	52	72	2	0.13	0.13	83.31	ppb	413.37	45.99	3600	
Mn	55	72	2	739.32	739.32	3.06	ppb	423998.43	2.55	3600	
Fe	57	72	2	1818.25	1818.25	7.41	ppb	60637.83	6.74	90000	
Co	59	72	2	0.43	0.43	2.72	ppb	1566.88	3.21	3600	
Ni	60	72	2	0.33	0.33	2.49	ppb	493.38	2.34	3600	
Cu	63	72	2	0.28	0.28	9.60	ppb	2513.72	3.76	3600	
Zn	66	72	2	0.80	0.80	49.94	ppb	460.05	23.01	3600	
As	75	72	2	5.21	5.21	33.47	ppb	740.05	32.80	3600	
Se	78	72	1	0.03	0.03	65.65	ppb	26.67	34.64	3600	
Nb	93	72	2	0.12	0.12	35.26	ppb	960.11	17.05	7200	
Mo	95	115	2	0.17	0.17	47.54	ppb	260.02	39.97	3600	
Pd	105	115	2	-0.01	-0.01	-204.76	ppb	26.67	173.21	3600	
Ag	107	115	2	0.02	0.02	38.46	ppb	113.35	26.96	900	
Cd	111	115	2	0.02	0.02	338.23	ppb	80.01	50.00	3600	
Sn	120	115	2	-0.11	-0.11	-78.95	ppb	353.37	29.05	3600	
Sb	121	115	2	0.01	0.01	1133.96	ppb	80.01	66.15	3600	
Ba	137	115	2	8.33	8.33	6.64	ppb	2347.07	6.94	3600	
W	182	165	2	0.03	0.03	130.27	ppb	1226.83	19.92	3600	
Pt	195	165	2	0.01	0.01	51.21	ppb	120.02	33.33	3600	
Tl	205	165	2	0.05	0.05	17.52	ppb	660.08	16.03	3600	
Pb	208	165	2	0.08	0.08	13.44	ppb	1880.22	5.53	3600	
Th	232	165	2	1.19	1.19	18.65	ppb	15716.03	16.21	3600	
U	238	165	2	0.03	0.03	45.48	ppb	453.38	41.70	3600	

QC ISTD Table

Element	m/z	Tune Step	CPS	%RSD	Ref CPS	%Rec	Lower Limit	Upper Limit	QC Flag
Li6	6	1	1229853	7.09	1373007	89.6	60	125	
Sc (IS)	45	2	946538	2.03	1062732	89.1	60	125	
Ge (IS)	72	1	16876293	7.51	19161317	88.1	60	125	
Ge (IS)	72	2	1227847	0.65	1405307	87.4	60	125	
115In	115	2	3955205	3.51	4244795	93.2	60	125	
Ho-165	165	2	24367685	2.03	25189102	96.7	60	125	

TuneStep	TuneFile	TuneDate
1	h2_hmi.u	5/1/2012 9:23:00 PM
2	he_hmi.u	5/1/2012 9:23:00 PM

Sample Report

Sample Name	280-28099-E-5-B
Data File Name	156SMPL.D
DataPath	d:\DATA\050112a.B
Acq Date Time	2012-05-01T21:28:00-06:00
Type	Sample
VialNumber	3104
Dilution	1
Comment	117259 6020
Operator	LMT
ISTDRefDataFileName	149CALB.D
SamplePassFail	Pass
ISTD PassFail	Pass

QC Analyte Table

Element	m/z	ISTD	Tune Step	Meas Value	FinalConc	%RSD	Units	CPS	CPS %RSD	High Value	QC Flag
Be	9	6	1	0.01	0.01	173.21	ppb	1.67	173.21	3600	
Na	23	45	2	5687.87	5687.87	0.84	ppb	1290969.95	1.03	1800000	
Mg	24	45	2	2939.07	2939.07	1.46	ppb	262965.70	1.33	450000	
Al	27	45	2	6.58	6.58	45.91	ppb	133.35	37.75	450000	
K	39	45	2	3148.39	3148.39	1.06	ppb	127985.12	0.79	180000	
Ca	44	45	2	10676.55	10676.55	5.29	ppb	23557.20	5.53	450000	
V	51	72	2	0.25	0.25	31.81	ppb	310.01	30.16	3600	
Cr	52	72	2	0.14	0.14	40.53	ppb	413.37	22.87	3600	
Mn	55	72	2	145.55	145.55	1.37	ppb	82791.04	1.75	3600	
Fe	57	72	2	4.57	4.57	61.43	ppb	346.70	26.65	90000	
Co	59	72	2	0.05	0.05	44.72	ppb	233.36	34.64	3600	
Ni	60	72	2	0.41	0.41	0.61	ppb	560.06	0.00	3600	
Cu	63	72	2	1.03	1.03	6.09	ppb	4707.71	4.02	3600	
Zn	66	72	2	1.02	1.02	3.65	ppb	513.39	2.25	3600	
As	75	72	2	-0.09	-0.09	-121.83	ppb	13.33	114.56	3600	
Se	78	72	1	0.01	0.01	123.24	ppb	18.67	44.61	3600	
Nb	93	72	2	0.05	0.05	75.93	ppb	653.41	20.84	7200	
Mo	95	115	2	0.01	0.01	314.84	ppb	60.01	57.74	3600	
Pd	105	115	2	-0.01	-0.01	-72.53	ppb	33.33	34.64	3600	
Ag	107	115	2	0.01	0.01	70.65	ppb	80.01	43.30	900	
Cd	111	115	2	-0.08	-0.08	-74.25	ppb	26.67	114.57	3600	
Sn	120	115	2	-0.15	-0.15	-98.55	ppb	293.37	59.57	3600	
Sb	121	115	2	0.02	0.02	358.25	ppb	86.68	53.29	3600	
Ba	137	115	2	3.19	3.19	16.13	ppb	886.77	16.32	3600	
W	182	165	2	0.02	0.02	46.24	ppb	1186.82	5.92	3600	
Pt	195	165	2	0.01	0.01	55.60	ppb	80.01	25.00	3600	
Tl	205	165	2	0.01	0.01	73.27	ppb	246.69	33.76	3600	
Pb	208	165	2	0.03	0.03	30.51	ppb	1286.81	11.24	3600	
Th	232	165	2	0.30	0.30	10.05	ppb	4240.98	9.29	3600	
U	238	165	2	0.01	0.01	96.32	ppb	160.02	69.60	3600	

QC ISTD Table

Element	m/z	Tune Step	CPS	%RSD	Ref CPS	%Rec	Lower Limit	Upper Limit	QC Flag
Li6	6	1	1122324	1.53	1373007	81.7	60	125	
Sc (IS)	45	2	920097	0.37	1062732	86.6	60	125	
Ge (IS)	72	1	15862816	1.93	19161317	82.8	60	125	
Ge (IS)	72	2	1216245	0.44	1405307	86.5	60	125	
115In	115	2	3904453	0.55	4244795	92.0	60	125	
Ho-165	165	2	23984598	0.57	25189102	95.2	60	125	

TuneStep	TuneFile	TuneDate
1	h2_hmi.u	5/1/2012 9:26:00 PM
2	he_hmi.u	5/1/2012 9:26:00 PM

Sample Report

Sample Name	280-28099-E-6-D
Data File Name	157SMPL.D
DataPath	d:\DATA\050112a.B
Acq Date Time	2012-05-01T21:30:58-06:00
Type	Sample
VialNumber	3105
Dilution	1
Comment	117259 6020
Operator	LMT
ISTDRefDataFileName	149CALB.D
SamplePassFail	Pass
ISTD PassFail	Pass

QC Analyte Table

Element	m/z	ISTD	Tune Step	Meas Value	FinalConc	%RSD	Units	CPS	CPS %RSD	High Value	QC Flag
Be	9	6	1	0.01	0.01	173.21	ppb	3.33	173.21	3600	
Na	23	45	2	5941.40	5941.40	2.48	ppb	1338890.24	0.83	1800000	
Mg	24	45	2	4369.05	4369.05	3.78	ppb	388457.26	1.76	450000	
Al	27	45	2	1.85	1.85	139.11	ppb	53.34	78.07	450000	
K	39	45	2	1226.82	1226.82	1.53	ppb	50538.00	0.64	180000	
Ca	44	45	2	15205.37	15205.37	3.98	ppb	33339.36	1.95	450000	
V	51	72	2	1.13	1.13	21.04	ppb	1337.01	20.83	3600	
Cr	52	72	2	0.24	0.24	51.67	ppb	586.74	34.32	3600	
Mn	55	72	2	0.22	0.22	37.24	ppb	246.69	20.41	3600	
Fe	57	72	2	-0.04	-0.04	-3251.59	ppb	193.35	21.53	90000	
Co	59	72	2	0.00	0.00	208.56	ppb	66.67	45.83	3600	
Ni	60	72	2	0.38	0.38	54.44	ppb	526.72	38.04	3600	
Cu	63	72	2	0.54	0.54	15.57	ppb	3227.25	6.21	3600	
Zn	66	72	2	1.76	1.76	24.20	ppb	700.07	15.12	3600	
As	75	72	2	0.10	0.10	186.39	ppb	40.00	66.14	3600	
Se	78	72	1	0.01	0.01	238.86	ppb	18.67	86.60	3600	
Nb	93	72	2	0.03	0.03	112.54	ppb	606.76	24.30	7200	
Mo	95	115	2	0.33	0.33	38.45	ppb	453.38	33.41	3600	
Pd	105	115	2	-0.01	-0.01	-67.97	ppb	20.00	100.00	3600	
Ag	107	115	2	0.01	0.01	15.70	ppb	106.68	10.83	900	
Cd	111	115	2	-0.08	-0.08	-28.90	ppb	26.67	43.30	3600	
Sn	120	115	2	-0.23	-0.23	-13.50	ppb	200.02	20.00	3600	
Sb	121	115	2	-0.02	-0.02	-286.14	ppb	60.01	66.67	3600	
Ba	137	115	2	2.12	2.12	34.63	ppb	593.41	33.93	3600	
W	182	165	2	0.03	0.03	73.90	ppb	1193.50	9.53	3600	
Pt	195	165	2	0.01	0.01	106.67	ppb	73.34	41.66	3600	
Tl	205	165	2	0.01	0.01	86.59	ppb	280.03	44.61	3600	
Pb	208	165	2	0.06	0.06	17.98	ppb	1613.53	7.87	3600	
Th	232	165	2	0.16	0.16	9.50	ppb	2520.46	8.25	3600	
U	238	165	2	0.01	0.01	14.40	ppb	266.70	11.46	3600	

QC ISTD Table

Element	m/z	Tune Step	CPS	%RSD	Ref CPS	%Rec	Lower Limit	Upper Limit	QC Flag
Li6	6	1	1129321	1.11	1373007	82.3	60	125	
Sc (IS)	45	2	915247	2.12	1062732	86.1	60	125	
Ge (IS)	72	1	15625750	0.83	19161317	81.5	60	125	
Ge (IS)	72	2	1209160	1.47	1405307	86.0	60	125	
115In	115	2	3933183	1.38	4244795	92.7	60	125	
Ho-165	165	2	24028902	1.54	25189102	95.4	60	125	

TuneStep	TuneFile	TuneDate
1	h2_hmi.u	5/1/2012 9:29:00 PM
2	he_hmi.u	5/1/2012 9:29:00 PM

Sample Report

Sample Name	280-28141-F-1-B
Data File Name	158SMPL.D
DataPath	d:\DATA\050112a.B
Acq Date Time	2012-05-01T21:33:57-06:00
Type	Sample
VialNumber	3106
Dilution	1
Comment	117259 6020
Operator	LMT
ISTDRefDataFileName	149CALB.D
SamplePassFail	Pass
ISTD PassFail	Pass

QC Analyte Table

Element	m/z	ISTD	Tune Step	Meas Value	FinalConc	%RSD	Units	CPS	CPS %RSD	High Value	QC Flag
Be	9	6	1	0.01	0.01	173.21	ppb	3.33	173.21	3600	
Na	23	45	2	26936.55	26936.55	2.11	ppb	5788515.95	0.79	1800000	
Mg	24	45	2	5625.05	5625.05	1.33	ppb	490226.02	0.37	450000	
Al	27	45	2	1.49	1.49	49.96	ppb	46.67	24.74	450000	
K	39	45	2	3421.03	3421.03	4.27	ppb	135397.43	3.06	180000	
Ca	44	45	2	22317.74	22317.74	4.28	ppb	47952.31	2.98	450000	
V	51	72	2	0.93	0.93	28.14	ppb	1084.10	27.83	3600	
Cr	52	72	2	0.08	0.08	45.88	ppb	306.70	18.83	3600	
Mn	55	72	2	0.20	0.20	28.31	ppb	226.69	13.48	3600	
Fe	57	72	2	10.22	10.22	21.73	ppb	520.06	13.87	90000	
Co	59	72	2	0.14	0.14	4.10	ppb	520.05	3.85	3600	
Ni	60	72	2	1.41	1.41	12.24	ppb	1533.55	11.09	3600	
Cu	63	72	2	1.04	1.04	8.27	ppb	4614.35	5.49	3600	
Zn	66	72	2	1.10	1.10	75.95	ppb	520.05	40.70	3600	
As	75	72	2	0.16	0.16	117.57	ppb	46.67	53.93	3600	
Se	78	72	1	0.02	0.02	53.64	ppb	18.67	12.37	3600	
Nb	93	72	2	-0.03	-0.03	-43.52	ppb	340.03	15.56	7200	
Mo	95	115	2	0.03	0.03	63.18	ppb	80.01	25.00	3600	
Pd	105	115	2	0.00	0.00	-664.59	ppb	40.00	132.29	3600	
Ag	107	115	2	0.00	0.00	96.94	ppb	53.34	43.31	900	
Cd	111	115	2	-0.07	-0.07	-92.55	ppb	33.34	91.66	3600	
Sn	120	115	2	-0.08	-0.08	-99.51	ppb	366.70	26.91	3600	
Sb	121	115	2	0.03	0.03	355.89	ppb	93.34	81.13	3600	
Ba	137	115	2	6.60	6.60	15.49	ppb	1793.61	14.81	3600	
W	182	165	2	0.04	0.04	68.73	ppb	1253.50	13.38	3600	
Pt	195	165	2	0.00	0.00	-965.58	ppb	40.01	86.60	3600	
Tl	205	165	2	0.01	0.01	124.53	ppb	186.68	37.63	3600	
Pb	208	165	2	0.05	0.05	25.00	ppb	1426.82	10.52	3600	
Th	232	165	2	0.10	0.10	25.66	ppb	1700.29	18.26	3600	
U	238	165	2	0.16	0.16	12.76	ppb	2433.76	12.48	3600	

QC ISTD Table

Element	m/z	Tune Step	CPS	%RSD	Ref CPS	%Rec	Lower Limit	Upper Limit	QC Flag
Li6	6	1	1088102	8.68	1373007	79.2	60	125	
Sc (IS)	45	2	896966	1.32	1062732	84.4	60	125	
Ge (IS)	72	1	15092795	10.21	19161317	78.8	60	125	
Ge (IS)	72	2	1186975	0.14	1405307	84.5	60	125	
115In	115	2	3817888	0.87	4244795	89.9	60	125	
Ho-165	165	2	23480567	0.22	25189102	93.2	60	125	

TuneStep	TuneFile	TuneDate
1	h2_hmi.u	5/1/2012 9:32:00 PM
2	he_hmi.u	5/1/2012 9:32:00 PM

Sample Report

Sample Name	280-28141-F-1-B sd@5
Data File Name	159SMPL.D
DataPath	d:\DATA\050112a.B
Acq Date Time	2012-05-01T21:36:56-06:00
Type	Sample
VialNumber	3107
Dilution	1
Comment	117259 6020
Operator	LMT
ISTDRefDataFileName	149CALB.D
SamplePassFail	Pass
ISTD PassFail	Pass

QC Analyte Table

Element	m/z	ISTD	Tune Step	Meas Value	FinalConc	%RSD	Units	CPS	CPS %RSD	High Value	QC Flag
Be	9	6	1	0.01	0.01	173.21	ppb	1.67	173.21	3600	
Na	23	45	2	5319.98	5319.98	0.44	ppb	1211186.65	0.69	1800000	
Mg	24	45	2	1108.86	1108.86	0.91	ppb	99520.77	0.73	450000	
Al	27	45	2	0.61	0.61	405.83	ppb	33.34	124.90	450000	
K	39	45	2	648.28	648.28	3.15	ppb	27596.07	2.66	180000	
Ca	44	45	2	4387.33	4387.33	4.75	ppb	9703.28	5.13	450000	
V	51	72	2	0.20	0.20	63.57	ppb	255.61	60.37	3600	
Cr	52	72	2	-0.02	-0.02	-122.19	ppb	160.02	21.65	3600	
Mn	55	72	2	-0.06	-0.06	-82.92	ppb	86.67	35.25	3600	
Fe	57	72	2	-0.15	-0.15	-2568.28	ppb	193.35	65.70	90000	
Co	59	72	2	0.03	0.03	11.75	ppb	153.35	7.53	3600	
Ni	60	72	2	0.13	0.13	88.51	ppb	280.03	39.77	3600	
Cu	63	72	2	0.08	0.08	72.20	ppb	1906.94	9.52	3600	
Zn	66	72	2	1.40	1.40	38.69	ppb	620.07	23.26	3600	
As	75	72	2	0.12	0.12	91.17	ppb	43.33	35.25	3600	
Se	78	72	1	0.02	0.02	113.57	ppb	22.67	50.94	3600	
Nb	93	72	2	-0.05	-0.05	-18.54	ppb	260.02	15.39	7200	
Mo	95	115	2	-0.02	-0.02	-52.35	ppb	26.67	43.30	3600	
Pd	105	115	2	-0.01	-0.01	-68.63	ppb	20.00	100.00	3600	
Ag	107	115	2	0.01	0.01	125.77	ppb	100.01	87.18	900	
Cd	111	115	2	-0.11	-0.11	-21.38	ppb	13.33	86.60	3600	
Sn	120	115	2	-0.11	-0.11	-107.12	ppb	340.03	41.18	3600	
Sb	121	115	2	0.00	0.00	-2354.43	ppb	73.34	15.74	3600	
Ba	137	115	2	1.22	1.22	71.30	ppb	340.03	71.32	3600	
W	182	165	2	-0.02	-0.02	-85.31	ppb	920.10	9.48	3600	
Pt	195	165	2	0.01	0.01	36.87	ppb	106.68	21.65	3600	
Tl	205	165	2	0.00	0.00	-305.20	ppb	113.34	50.95	3600	
Pb	208	165	2	0.03	0.03	39.09	ppb	1186.80	12.19	3600	
Th	232	165	2	-0.03	-0.03	-15.59	ppb	133.35	43.30	3600	
U	238	165	2	0.03	0.03	37.39	ppb	473.39	34.41	3600	

QC ISTD Table

Element	m/z	Tune Step	CPS	%RSD	Ref CPS	%Rec	Lower Limit	Upper Limit	QC Flag
Li6	6	1	1146090	2.55	1373007	83.5	60	125	
Sc (IS)	45	2	920626	0.40	1062732	86.6	60	125	
Ge (IS)	72	1	16584905	0.87	19161317	86.6	60	125	
Ge (IS)	72	2	1233439	0.87	1405307	87.8	60	125	
115In	115	2	3909588	0.50	4244795	92.1	60	125	
Ho-165	165	2	23845782	0.50	25189102	94.7	60	125	

TuneStep	TuneFile	TuneDate
1	h2_hmi.u	5/1/2012 9:35:00 PM
2	he_hmi.u	5/1/2012 9:35:00 PM

Sample Report

Sample Name	280-28141-F-1-C MS
Data File Name	160SMPL.D
DataPath	d:\DATA\050112a.B
Acq Date Time	2012-05-01T21:39:55-06:00
Type	Sample
VialNumber	3108
Dilution	1
Comment	117259 6020
Operator	LMT
ISTDRefDataFileName	149CALB.D
SamplePassFail	Pass
ISTD PassFail	Pass

QC Analyte Table

Element	m/z	ISTD	Tune Step	Meas Value	FinalConc	%RSD	Units	CPS	CPS %RSD	High Value	QC Flag
Be	9	6	1	45.23	45.23	29.62	ppb	11378.63	14.28	3600	
Na	23	45	2	26462.47	26462.47	1.33	ppb	5560043.67	0.82	1800000	
Mg	24	45	2	5615.26	5615.26	0.80	ppb	478388.52	0.49	450000	
Al	27	45	2	4.05	4.05	46.78	ppb	86.68	35.25	450000	
K	39	45	2	3369.14	3369.14	2.60	ppb	130394.62	2.06	180000	
Ca	44	45	2	22494.21	22494.21	1.70	ppb	47257.02	1.23	450000	
V	51	72	2	39.24	39.24	6.39	ppb	44246.29	6.87	3600	
Cr	52	72	2	39.13	39.13	1.68	ppb	62417.14	0.68	3600	
Mn	55	72	2	40.87	40.87	5.99	ppb	22275.69	5.11	3600	
Fe	57	72	2	13.08	13.08	42.00	ppb	600.06	29.63	90000	
Co	59	72	2	39.22	39.22	0.96	ppb	129745.58	0.45	3600	
Ni	60	72	2	39.03	39.03	3.85	ppb	37821.92	2.83	3600	
Cu	63	72	2	39.44	39.44	0.71	ppb	113181.54	0.46	3600	
Zn	66	72	2	38.20	38.20	5.99	ppb	9710.06	4.95	3600	
As	75	72	2	38.48	38.48	3.89	ppb	5007.57	2.83	3600	
Se	78	72	1	40.70	40.70	25.33	ppb	16994.93	9.72	3600	
Nb	93	72	2	-0.03	-0.03	-97.50	ppb	326.70	35.87	7200	
Mo	95	115	2	40.01	40.01	2.40	ppb	46256.76	1.64	3600	
Pd	105	115	2	-0.02	-0.02	-67.26	ppb	13.33	173.21	3600	
Ag	107	115	2	39.32	39.32	1.42	ppb	201454.94	0.36	900	
Cd	111	115	2	38.70	38.70	5.28	ppb	18491.34	4.01	3600	
Sn	120	115	2	41.70	41.70	2.25	ppb	47194.10	1.06	3600	
Sb	121	115	2	39.44	39.44	4.81	ppb	27170.25	4.02	3600	
Ba	137	115	2	50.38	50.38	1.91	ppb	13439.91	2.92	3600	
W	182	165	2	0.00	0.00	775.59	ppb	1013.46	14.81	3600	
Pt	195	165	2	0.00	0.00	486.01	ppb	53.34	94.37	3600	
Tl	205	165	2	41.31	41.31	0.70	ppb	414209.30	1.07	3600	
Pb	208	165	2	40.94	40.94	0.41	ppb	521217.62	0.96	3600	
Th	232	165	2	39.68	39.68	0.18	ppb	484227.07	0.62	3600	
U	238	165	2	42.35	42.35	1.71	ppb	626437.58	1.19	3600	

QC ISTD Table

Element	m/z	Tune Step	CPS	%RSD	Ref CPS	%Rec	Lower Limit	Upper Limit	QC Flag
Li6	6	1	968563	13.56	1373007	70.5	60	125	
Sc (IS)	45	2	876753	0.58	1062732	82.5	60	125	
Ge (IS)	72	1	13824176	13.90	19161317	72.1	60	125	
Ge (IS)	72	2	1161410	1.02	1405307	82.6	60	125	
115In	115	2	3745029	1.25	4244795	88.2	60	125	
Ho-165	165	2	23196298	0.60	25189102	92.1	60	125	

TuneStep	TuneFile	TuneDate
1	h2_hmi.u	5/1/2012 9:38:00 PM
2	he_hmi.u	5/1/2012 9:38:00 PM

Sample Report

Sample Name	280-28141-F-1-D MSD
Data File Name	161SMPL.D
DataPath	d:\DATA\050112a.B
Acq Date Time	2012-05-01T21:42:55-06:00
Type	Sample
VialNumber	3109
Dilution	1
Comment	117259 6020
Operator	LMT
ISTDRefDataFileName	149CALB.D
SamplePassFail	Pass
ISTD PassFail	Pass

QC Analyte Table

Element	m/z	ISTD	Tune Step	Meas Value	FinalConc	%RSD	Units	CPS	CPS %RSD	High Value	QC Flag
Be	9	6	1	46.88	46.88	31.42	ppb	11527.03	15.22	3600	
Na	23	45	2	25581.28	25581.28	0.24	ppb	5442340.96	0.09	1800000	
Mg	24	45	2	5414.81	5414.81	1.06	ppb	466969.36	0.87	450000	
Al	27	45	2	-0.55	-0.55	-261.22	ppb	13.33	173.21	450000	
K	39	45	2	3308.46	3308.46	1.19	ppb	129649.05	1.09	180000	
Ca	44	45	2	21767.19	21767.19	2.82	ppb	46293.91	3.02	450000	
V	51	72	2	39.37	39.37	5.20	ppb	44707.67	5.09	3600	
Cr	52	72	2	38.46	38.46	1.93	ppb	61814.95	1.69	3600	
Mn	55	72	2	40.00	40.00	2.18	ppb	21974.88	1.97	3600	
Fe	57	72	2	4.14	4.14	14.67	ppb	320.03	6.25	90000	
Co	59	72	2	39.15	39.15	2.17	ppb	130508.82	2.41	3600	
Ni	60	72	2	39.61	39.61	3.36	ppb	38677.29	3.12	3600	
Cu	63	72	2	39.51	39.51	1.67	ppb	114248.57	1.51	3600	
Zn	66	72	2	36.38	36.38	9.48	ppb	9329.89	9.10	3600	
As	75	72	2	37.11	37.11	3.20	ppb	4867.54	3.34	3600	
Se	78	72	1	41.94	41.94	28.09	ppb	17243.22	10.63	3600	
Nb	93	72	2	0.01	0.01	350.25	ppb	486.72	22.63	7200	
Mo	95	115	2	38.16	38.16	0.95	ppb	44606.71	0.45	3600	
Pd	105	115	2	-0.02	-0.02	-27.97	ppb	6.67	173.21	3600	
Ag	107	115	2	38.40	38.40	0.75	ppb	198894.35	0.22	900	
Cd	111	115	2	37.97	37.97	5.77	ppb	18344.46	5.19	3600	
Sn	120	115	2	40.63	40.63	2.11	ppb	46506.28	2.63	3600	
Sb	121	115	2	39.15	39.15	6.70	ppb	27270.10	6.42	3600	
Ba	137	115	2	48.73	48.73	1.76	ppb	13139.58	1.37	3600	
W	182	165	2	-0.01	-0.01	-127.97	ppb	920.10	11.30	3600	
Pt	195	165	2	0.01	0.01	83.95	ppb	93.34	44.60	3600	
Tl	205	165	2	40.74	40.74	1.58	ppb	409780.40	1.07	3600	
Pb	208	165	2	40.23	40.23	1.36	ppb	513885.29	0.80	3600	
Th	232	165	2	40.37	40.37	1.91	ppb	494313.66	1.31	3600	
U	238	165	2	41.78	41.78	1.79	ppb	620191.06	1.39	3600	

QC ISTD Table

Element	m/z	Tune Step	CPS	%RSD	Ref CPS	%Rec	Lower Limit	Upper Limit	QC Flag
Li6	6	1	949596	14.17	1373007	69.2	60	125	
Sc (IS)	45	2	887471	0.21	1062732	83.5	60	125	
Ge (IS)	72	1	13684414	15.32	19161317	71.4	60	125	
Ge (IS)	72	2	1170096	0.24	1405307	83.3	60	125	
115In	115	2	3785723	0.63	4244795	89.2	60	125	
Ho-165	165	2	23274850	0.64	25189102	92.4	60	125	

TuneStep	TuneFile	TuneDate
1	h2_hmi.u	5/1/2012 9:41:00 PM
2	he_hmi.u	5/1/2012 9:41:00 PM

Sample Report

Sample Name	280-28141-F-1-B pds
Data File Name	162SMPL.D
DataPath	d:\DATA\050112a.B
Acq Date Time	2012-05-01T21:45:53-06:00
Type	Sample
VialNumber	3110
Dilution	1
Comment	117259 6020
Operator	LMT
ISTDRefDataFileName	149CALB.D
SamplePassFail	Pass
ISTD PassFail	Pass

QC Analyte Table

Element	m/z	ISTD	Tune Step	Meas Value	FinalConc	%RSD	Units	CPS	CPS %RSD	High Value	QC Flag
Be	9	6	1	193.86	193.86	1.68	ppb	52104.71	2.55	3600	
Na	23	45	2	25723.39	25723.39	0.22	ppb	5306443.46	0.26	1800000	
Mg	24	45	2	5353.68	5353.68	0.11	ppb	447711.58	0.22	450000	
Al	27	45	2	2.87	2.87	184.53	ppb	66.68	124.91	450000	
K	39	45	2	3281.82	3281.82	3.55	ppb	124716.41	3.42	180000	
Ca	44	45	2	21337.02	21337.02	0.45	ppb	44002.07	0.33	450000	
V	51	72	2	189.00	189.00	2.92	ppb	209461.53	3.09	3600	
Cr	52	72	2	191.63	191.63	0.81	ppb	299944.13	0.69	3600	
Mn	55	72	2	201.53	201.53	1.23	ppb	107599.56	1.38	3600	
Fe	57	72	2	14.95	14.95	27.98	ppb	646.73	20.12	90000	
Co	59	72	2	193.86	193.86	1.27	ppb	630528.40	1.01	3600	
Ni	60	72	2	195.32	195.32	1.56	ppb	185606.31	1.66	3600	
Cu	63	72	2	191.83	191.83	0.79	ppb	535447.96	0.97	3600	
Zn	66	72	2	187.81	187.81	0.96	ppb	46047.83	0.97	3600	
As	75	72	2	182.73	182.73	1.88	ppb	23299.23	2.13	3600	
Se	78	72	1	174.77	174.77	1.76	ppb	80315.28	1.27	3600	
Nb	93	72	2	-0.03	-0.03	-104.75	ppb	333.37	34.64	7200	
Mo	95	115	2	193.77	193.77	0.70	ppb	222610.20	0.11	3600	
Pd	105	115	2	-0.01	-0.01	-58.00	ppb	26.67	43.30	3600	
Ag	107	115	2	122.88	122.88	23.02	ppb	626345.68	23.25	900	
Cd	111	115	2	195.46	195.46	2.73	ppb	92641.92	2.14	3600	
Sn	120	115	2	201.30	201.30	1.51	ppb	224852.26	1.62	3600	
Sb	121	115	2	193.94	193.94	0.13	ppb	132616.28	0.48	3600	
Ba	137	115	2	214.40	214.40	4.45	ppb	56864.48	4.03	3600	
W	182	165	2	-0.03	-0.03	-49.75	ppb	806.75	10.32	3600	
Pt	195	165	2	0.00	0.00	282.82	ppb	46.67	24.75	3600	
Tl	205	165	2	208.70	208.70	1.28	ppb	2068774.87	1.41	3600	
Pb	208	165	2	202.83	202.83	0.91	ppb	2550396.42	0.59	3600	
Th	232	165	2	209.51	209.51	0.55	ppb	2526482.83	0.78	3600	
U	238	165	2	213.01	213.01	0.55	ppb	3116062.66	0.79	3600	

QC ISTD Table

Element	m/z	Tune Step	CPS	%RSD	Ref CPS	%Rec	Lower Limit	Upper Limit	QC Flag
Li6	6	1	1007089	1.38	1373007	73.3	60	125	
Sc (IS)	45	2	860567	0.13	1062732	81.0	60	125	
Ge (IS)	72	1	14863956	0.87	19161317	77.6	60	125	
Ge (IS)	72	2	1142074	0.25	1405307	81.3	60	125	
115In	115	2	3724172	0.61	4244795	87.7	60	125	
Ho-165	165	2	22939445	0.62	25189102	91.1	60	125	

TuneStep	TuneFile	TuneDate
1	h2_hmi.u	5/1/2012 9:44:00 PM
2	he_hmi.u	5/1/2012 9:44:00 PM

Continuing Calibration Verification (CCV) - US EPA Method 6020

Sample Name	ccv-1392320
Data File Name	1636CCV.D
DataPath	d:\DATA\050112a.B
Acq Date Time	2012-05-01T21:48:51-06:00
Type	6-CCV
VialNumber	1105
Dilution	1
Comment	
Operator	LMT
ISTDRefDataFileName	149CALB.D
SamplePassFail	Pass
ISTD PassFail	Pass

QC Analyte Table

Element	m/z	ISTD	Tune Step	Meas Value	%RSD	Units	CPS	CPS%RSD	Exp Value	%Rec	QC Low	QC High	QC Flag
Be	9	6	1	49.47	4.19	ppb	14529.09	3.15	50	98.9	90	110	
Na	23	45	2	4869.21	1.54	ppb	1050647.77	0.82	5000	97.4	90	110	
Mg	24	45	2	4902.08	1.99	ppb	414185.57	1.27	5000	98.0	90	110	
Al	27	45	2	5143.74	1.37	ppb	81568.63	1.91	5000	102.9	90	110	
K	39	45	2	5099.47	0.79	ppb	195000.35	1.49	5000	102.0	90	110	
Ca	44	45	2	5401.07	6.86	ppb	11271.15	6.27	5000	108.0	90	110	
V	51	72	2	49.27	7.08	ppb	56160.49	7.23	50	98.5	90	110	
Cr	52	72	2	48.17	1.85	ppb	77674.56	2.32	50	96.3	90	110	
Mn	55	72	2	50.45	3.73	ppb	27790.14	4.15	50	100.9	90	110	
Fe	57	72	2	4905.30	0.22	ppb	156194.34	0.72	5000	98.1	90	110	
Co	59	72	2	49.58	0.89	ppb	165858.49	1.37	50	99.2	90	110	
Ni	60	72	2	51.03	4.13	ppb	49965.05	3.64	50	102.1	90	110	
Cu	63	72	2	53.87	1.25	ppb	155753.39	1.24	50	107.7	90	110	
Zn	66	72	2	48.87	0.86	ppb	12498.65	1.07	50	97.7	90	110	
As	75	72	2	50.40	5.79	ppb	6624.84	5.51	50	100.8	90	110	
Se	78	72	1	49.89	1.47	ppb	24763.92	0.77	50	99.8	90	110	
Nb	93	72	2	100.12	1.11	ppb	386131.44	1.60	100	100.1	90	110	
Mo	95	115	2	48.57	2.97	ppb	56466.99	3.14	50	97.1	90	110	
Pd	105	115	2	49.59	1.63	ppb	111074.54	1.53	50	99.2	90	110	
Ag	107	115	2	52.06	0.48	ppb	268241.39	0.25	50	104.1	90	110	
Cd	111	115	2	51.04	0.77	ppb	24512.22	1.00	50	102.1	90	110	
Sn	120	115	2	51.04	0.70	ppb	57986.81	0.65	50	102.1	90	110	
Sb	121	115	2	51.68	3.45	ppb	35786.72	3.39	50	103.4	90	110	
Ba	137	115	2	53.56	3.92	ppb	14367.41	4.14	50	107.1	90	110	
W	182	165	2	50.62	0.93	ppb	319203.99	0.64	50	101.2	90	110	
Pt	195	165	2	50.38	1.12	ppb	277099.81	1.46	50	100.8	90	110	
Tl	205	165	2	51.57	1.00	ppb	519209.38	0.80	50	103.1	90	110	
Pb	208	165	2	51.14	1.32	ppb	653578.27	1.05	50	102.3	90	110	
Th	232	165	2	54.86	0.60	ppb	672152.13	0.25	50	109.7	90	110	
U	238	165	2	52.63	0.58	ppb	781874.73	0.31	50	105.3	90	110	

QC ISTD Table

Element	m/z	Tune Step	CPS	%RSD	Ref CPS	%Rec	QC Low	QC High	QC Flag
Li6	6	1	1100935	1.58	1373007	80.2	60	125	
Sc (IS)	45	2	869483	0.72	1062732	81.8	60	125	
Ge (IS)	72	1	16049638	0.73	19161317	83.8	60	125	
Ge (IS)	72	2	1174378	0.50	1405307	83.6	60	125	
115In	115	2	3765929	0.24	4244795	88.7	60	125	
Ho-165	165	2	23293318	0.35	25189102	92.5	60	125	

TuneStep	TuneFile
1	h2_hmi.u
2	he_hmi.u

Continuing Calibration Blank (CCB) - US EPA Method 6020

Sample Name	ccb-1392356
Data File Name	1646CCB.D
DataPath	d:\DATA\050112a.B
Acq Date Time	2012-05-01T21:51:50-06:00
Type	6-CCB
VialNumber	1305
Dilution	1
Comment	
Operator	LMT
ISTDRefDataFileName	149CALB.D
SamplePassFail	Fail
ISTD PassFail	Pass

QC Analyte Table

Element	m/z	ISTD	Tune Step	Meas Value	%RSD	Units	CPS	CPS %RSD	QC High	QC Flag
Be	9	6	1	0.01	99.67	ppb	5.00	100.00	1	
Na	23	45	2	-30.78	-27.92	ppb	70330.57	5.35	20	
Mg	24	45	2	2.36	47.55	ppb	1080.12	16.97	20	
Al	27	45	2	1.80	94.69	ppb	93.34	53.93	20	
K	39	45	2	-6.91	-42.55	ppb	2226.99	8.82	20	
Ca	44	45	2	21.35	84.39	ppb	133.34	52.68	20	6-CCB Main Failed
V	51	72	2	0.07	77.41	ppb	177.42	64.74	1	
Cr	52	72	2	-0.01	-329.74	ppb	306.69	38.21	1	
Mn	55	72	2	-0.01	-90.27	ppb	213.36	5.41	1	
Fe	57	72	2	-1.61	-41.18	ppb	266.70	15.61	20	
Co	59	72	2	-0.01	-83.67	ppb	46.67	89.22	1	
Ni	60	72	2	0.06	188.78	ppb	400.04	56.79	1	
Cu	63	72	2	-0.05	-107.63	ppb	2793.76	11.10	1	
Zn	66	72	2	-0.01	-6098.13	ppb	460.05	33.96	5	
As	75	72	2	-0.12	-18.06	ppb	16.67	34.64	5	
Se	78	72	1	0.03	17.66	ppb	61.33	9.96	5	
Nb	93	72	2	-0.04	-49.94	ppb	613.40	21.22	5	
Mo	95	115	2	-0.01	-325.37	ppb	66.67	69.29	1	
Pd	105	115	2	-0.01	-130.87	ppb	40.00	132.29	1	
Ag	107	115	2	0.56	7.75	ppb	4961.13	7.13	1	
Cd	111	115	2	-0.07	-86.55	ppb	53.34	94.37	1	
Sn	120	115	2	-0.13	-30.51	ppb	533.39	14.20	5	
Sb	121	115	2	0.07	75.69	ppb	206.69	31.11	0.2	
Ba	137	115	2	0.04	99.80	ppb	20.00	100.00	1	
W	182	165	2	-0.02	-125.98	ppb	1406.89	23.16	1	
Pt	195	165	2	0.01	92.53	ppb	126.68	39.74	1	
Tl	205	165	2	0.01	75.11	ppb	326.70	25.49	1	
Pb	208	165	2	0.03	16.65	ppb	2066.93	5.59	1	
Th	232	165	2	-0.02	-38.15	ppb	453.39	31.30	1	
U	238	165	2	0.01	16.19	ppb	333.37	12.49	1	

QC ISTD Table

Element	m/z	Tune Step	CPS	%RSD	Ref CPS	%Rec	QC Low	QC High	QC Flag
Li6	6	1	2504097	0.52	1373007	182.4	60	125	IS Main Failed
Sc (IS)	45	2	1614987	0.73	1062732	152.0	60	125	IS Main Failed
Ge (IS)	72	1	38064664	1.31	19161317	198.7	60	125	IS Main Failed
Ge (IS)	72	2	2263237	0.81	1405307	161.0	60	125	IS Main Failed
115In	115	2	6443083	0.72	4244795	151.8	60	125	IS Main Failed
Ho-165	165	2	38921114	0.20	25189102	154.5	60	125	IS Main Failed

TuneStep	TuneFile
1	h2_hmi.u
2	he_hmi.u

Sample Report

Sample Name	280-28141-F-2-B
Data File Name	165SMPL.D
DataPath	d:\DATA\050112a.B
Acq Date Time	2012-05-01T21:54:48-06:00
Type	Sample
VialNumber	3111
Dilution	1
Comment	117259 6020
Operator	LMT
ISTDRefDataFileName	149CALB.D
SamplePassFail	Pass
ISTD PassFail	Pass

QC Analyte Table

Element	m/z	ISTD	Tune Step	Meas Value	FinalConc	%RSD	Units	CPS	CPS %RSD	High Value	QC Flag
Be	9	6	1	0.00	0.00	#DIV/0!	ppb	0.00	#DIV/0!	3600	
Na	23	45	2	27894.56	27894.56	1.19	ppb	5520940.33	0.59	1800000	
Mg	24	45	2	7365.42	7365.42	0.34	ppb	591236.61	0.74	450000	
Al	27	45	2	1.29	1.29	178.81	ppb	40.01	86.60	450000	
K	39	45	2	10433.19	10433.19	0.87	ppb	377641.63	0.84	180000	
Ca	44	45	2	29125.40	29125.40	2.02	ppb	57660.49	2.40	450000	
V	51	72	2	0.93	0.93	21.59	ppb	1010.35	21.20	3600	
Cr	52	72	2	0.11	0.11	51.65	ppb	326.70	25.49	3600	
Mn	55	72	2	96.25	96.25	3.99	ppb	49590.89	3.62	3600	
Fe	57	72	2	8.35	8.35	25.64	ppb	426.71	15.07	90000	
Co	59	72	2	0.68	0.68	11.79	ppb	2193.65	12.04	3600	
Ni	60	72	2	1.66	1.66	23.43	ppb	1653.57	21.95	3600	
Cu	63	72	2	1.70	1.70	3.98	ppb	6054.90	3.00	3600	
Zn	66	72	2	1.34	1.34	65.59	ppb	540.07	38.49	3600	
As	75	72	2	0.41	0.41	89.93	ppb	73.34	61.49	3600	
Se	78	72	1	0.04	0.04	57.69	ppb	25.33	32.87	3600	
Nb	93	72	2	0.50	0.50	14.69	ppb	2240.34	12.41	7200	
Mo	95	115	2	0.13	0.13	80.26	ppb	186.68	60.93	3600	
Pd	105	115	2	0.00	0.00	-631.22	ppb	40.01	86.60	3600	
Ag	107	115	2	0.46	0.46	21.92	ppb	2313.75	22.08	900	
Cd	111	115	2	0.14	0.14	71.40	ppb	126.68	36.46	3600	
Sn	120	115	2	-0.10	-0.10	-29.00	ppb	326.70	9.35	3600	
Sb	121	115	2	0.14	0.14	0.91	ppb	160.02	0.00	3600	
Ba	137	115	2	17.65	17.65	10.43	ppb	4554.41	10.73	3600	
W	182	165	2	0.28	0.28	23.62	ppb	2687.14	15.62	3600	
Pt	195	165	2	0.00	0.00	-1941.79	ppb	40.00	86.61	3600	
Tl	205	165	2	0.02	0.02	46.51	ppb	326.70	28.93	3600	
Pb	208	165	2	0.04	0.04	25.99	ppb	1300.15	10.77	3600	
Th	232	165	2	0.39	0.39	15.78	ppb	5101.33	14.02	3600	
U	238	165	2	0.07	0.07	23.61	ppb	1120.16	23.22	3600	

QC ISTD Table

Element	m/z	Tune Step	CPS	%RSD	Ref CPS	%Rec	Lower Limit	Upper Limit	QC Flag
Li6	6	1	959596	2.19	1373007	69.9	60	125	
Sc (IS)	45	2	826232	0.60	1062732	77.7	60	125	
Ge (IS)	72	1	13681461	1.88	19161317	71.4	60	125	
Ge (IS)	72	2	1100968	0.57	1405307	78.3	60	125	
115In	115	2	3622408	0.52	4244795	85.3	60	125	
Ho-165	165	2	22568568	0.52	25189102	89.6	60	125	

TuneStep	TuneFile	TuneDate
1	h2_hmi.u	5/1/2012 9:53:00 PM
2	he_hmi.u	5/1/2012 9:53:00 PM

Sample Report

Sample Name	280-28141-F-3-B
Data File Name	166SMPL.D
DataPath	d:\DATA\050112a.B
Acq Date Time	2012-05-01T21:57:49-06:00
Type	Sample
VialNumber	3112
Dilution	1
Comment	117259 6020
Operator	LMT
ISTDRefDataFileName	149CALB.D
SamplePassFail	Pass
ISTD PassFail	Pass

QC Analyte Table

Element	m/z	ISTD	Tune Step	Meas Value	FinalConc	%RSD	Units	CPS	CPS %RSD	High Value	QC Flag
Be	9	6	1	0.04	0.04	173.21	ppb	10.00	173.21	3600	
Na	23	45	2	7877.82	7877.82	0.46	ppb	1573364.40	1.24	1800000	
Mg	24	45	2	9053.26	9053.26	2.05	ppb	719208.24	1.34	450000	
Al	27	45	2	2.21	2.21	71.68	ppb	53.34	43.31	450000	
K	39	45	2	2350.83	2350.83	4.37	ppb	85273.04	3.33	180000	
Ca	44	45	2	23846.11	23846.11	2.01	ppb	46728.72	1.27	450000	
V	51	72	2	1.97	1.97	19.51	ppb	2108.92	19.61	3600	
Cr	52	72	2	0.30	0.30	28.36	ppb	620.06	21.15	3600	
Mn	55	72	2	0.18	0.18	78.57	ppb	200.02	36.05	3600	
Fe	57	72	2	5.98	5.98	52.81	ppb	353.37	26.14	90000	
Co	59	72	2	0.09	0.09	6.89	ppb	320.03	6.25	3600	
Ni	60	72	2	0.59	0.59	22.34	ppb	673.40	17.90	3600	
Cu	63	72	2	0.37	0.37	16.77	ppb	2473.72	6.49	3600	
Zn	66	72	2	0.59	0.59	96.10	ppb	360.03	36.43	3600	
As	75	72	2	0.11	0.11	42.44	ppb	36.67	15.75	3600	
Se	78	72	1	0.02	0.02	117.94	ppb	18.67	44.61	3600	
Nb	93	72	2	0.20	0.20	53.24	ppb	1133.48	33.55	7200	
Mo	95	115	2	0.02	0.02	168.17	ppb	73.34	62.99	3600	
Pd	105	115	2	0.00	0.00	9333.86	ppb	46.67	107.86	3600	
Ag	107	115	2	0.43	0.43	7.45	ppb	2186.99	6.74	900	
Cd	111	115	2	0.09	0.09	70.71	ppb	106.68	28.63	3600	
Sn	120	115	2	-0.14	-0.14	-77.10	ppb	293.36	38.77	3600	
Sb	121	115	2	0.10	0.10	108.43	ppb	133.35	52.68	3600	
Ba	137	115	2	3.51	3.51	12.52	ppb	913.44	12.06	3600	
W	182	165	2	0.04	0.04	42.48	ppb	1233.49	8.93	3600	
Pt	195	165	2	0.01	0.01	91.32	ppb	80.01	43.30	3600	
Tl	205	165	2	0.01	0.01	154.98	ppb	233.36	71.37	3600	
Pb	208	165	2	0.02	0.02	13.61	ppb	1080.12	3.70	3600	
Th	232	165	2	0.18	0.18	26.59	ppb	2667.15	21.74	3600	
U	238	165	2	0.13	0.13	6.91	ppb	1946.98	6.84	3600	

QC ISTD Table

Element	m/z	Tune Step	CPS	%RSD	Ref CPS	%Rec	Lower Limit	Upper Limit	QC Flag
Li6	6	1	963705	8.66	1373007	70.2	60	125	
Sc (IS)	45	2	817879	1.03	1062732	77.0	60	125	
Ge (IS)	72	1	13854474	9.22	19161317	72.3	60	125	
Ge (IS)	72	2	1093315	0.38	1405307	77.8	60	125	
115In	115	2	3654984	0.76	4244795	86.1	60	125	
Ho-165	165	2	22692825	0.08	25189102	90.1	60	125	

TuneStep	TuneFile	TuneDate
1	h2_hmi.u	5/1/2012 9:56:00 PM
2	he_hmi.u	5/1/2012 9:56:00 PM

Sample Report

Sample Name	280-28141-F-4-B
Data File Name	167SMPL.D
DataPath	d:\DATA\050112a.B
Acq Date Time	2012-05-01T22:00:48-06:00
Type	Sample
VialNumber	3201
Dilution	1
Comment	117259 6020
Operator	LMT
ISTDRefDataFileName	149CALB.D
SamplePassFail	Pass
ISTD PassFail	Pass

QC Analyte Table

Element	m/z	ISTD	Tune Step	Meas Value	FinalConc	%RSD	Units	CPS	CPS %RSD	High Value	QC Flag
Be	9	6	1	0.01	0.01	86.74	ppb	3.33	86.60	3600	
Na	23	45	2	21887.71	21887.71	9.94	ppb	4149356.92	2.67	1800000	
Mg	24	45	2	6757.04	6757.04	13.95	ppb	517429.29	6.79	450000	
Al	27	45	2	3.71	3.71	24.18	ppb	73.34	15.75	450000	
K	39	45	2	7014.98	7014.98	10.27	ppb	243081.05	3.13	180000	
Ca	44	45	2	25157.45	25157.45	11.03	ppb	47578.05	3.86	450000	
V	51	72	2	0.57	0.57	17.68	ppb	608.76	21.54	3600	
Cr	52	72	2	0.08	0.08	46.89	ppb	280.03	18.90	3600	
Mn	55	72	2	1.20	1.20	22.76	ppb	706.74	21.62	3600	
Fe	57	72	2	1.73	1.73	124.81	ppb	220.02	24.05	90000	
Co	59	72	2	0.13	0.13	50.42	ppb	433.40	42.89	3600	
Ni	60	72	2	0.59	0.59	17.38	ppb	653.41	10.75	3600	
Cu	63	72	2	1.24	1.24	7.25	ppb	4667.66	0.65	3600	
Zn	66	72	2	1.08	1.08	47.72	ppb	466.72	29.17	3600	
As	75	72	2	0.20	0.20	79.66	ppb	46.67	44.61	3600	
Se	78	72	1	0.05	0.05	90.42	ppb	29.33	56.77	3600	
Nb	93	72	2	0.07	0.07	98.24	ppb	653.40	33.72	7200	
Mo	95	115	2	0.06	0.06	27.57	ppb	106.68	21.65	3600	
Pd	105	115	2	-0.01	-0.01	-79.78	ppb	26.67	43.30	3600	
Ag	107	115	2	0.10	0.10	5.83	ppb	513.39	2.25	900	
Cd	111	115	2	-0.04	-0.04	-180.19	ppb	40.01	86.60	3600	
Sn	120	115	2	-0.13	-0.13	-79.94	ppb	300.03	43.72	3600	
Sb	121	115	2	0.14	0.14	69.48	ppb	153.35	32.83	3600	
Ba	137	115	2	12.18	12.18	13.47	ppb	3073.93	7.17	3600	
W	182	165	2	0.02	0.02	51.36	ppb	1093.49	10.72	3600	
Pt	195	165	2	0.00	0.00	197.04	ppb	60.00	57.74	3600	
Tl	205	165	2	0.01	0.01	70.55	ppb	233.36	26.19	3600	
Pb	208	165	2	0.05	0.05	37.12	ppb	1340.15	21.99	3600	
Th	232	165	2	0.12	0.12	29.22	ppb	1860.29	14.23	3600	
U	238	165	2	0.02	0.02	48.46	ppb	366.71	49.50	3600	

QC ISTD Table

Element	m/z	Tune Step	CPS	%RSD	Ref CPS	%Rec	Lower Limit	Upper Limit	QC Flag
Li6	6	1	949941	4.72	1373007	69.2	60	125	
Sc (IS)	45	2	793430	7.18	1062732	74.7	60	125	
Ge (IS)	72	1	13666072	3.11	19161317	71.3	60	125	
Ge (IS)	72	2	1066347	4.78	1405307	75.9	60	125	
115In	115	2	3564678	7.47	4244795	84.0	60	125	
Ho-165	165	2	22273793	7.45	25189102	88.4	60	125	

TuneStep	TuneFile	TuneDate
1	h2_hmi.u	5/1/2012 9:59:00 PM
2	he_hmi.u	5/1/2012 9:59:00 PM

Sample Report

Sample Name	280-28141-F-5-B
Data File Name	168SMPL.D
DataPath	d:\DATA\050112a.B
Acq Date Time	2012-05-01T22:03:47-06:00
Type	Sample
VialNumber	3202
Dilution	1
Comment	117259 6020
Operator	LMT
ISTDRefDataFileName	149CALB.D
SamplePassFail	Pass
ISTD PassFail	Pass

QC Analyte Table

Element	m/z	ISTD	Tune Step	Meas Value	FinalConc	%RSD	Units	CPS	CPS %RSD	High Value	QC Flag
Be	9	6	1	0.00	0.00	#DIV/0!	ppb	0.00	#DIV/0!	3600	
Na	23	45	2	21.34	21.34	48.84	ppb	43526.63	2.86	1800000	
Mg	24	45	2	0.67	0.67	107.19	ppb	393.37	15.54	450000	
Al	27	45	2	0.50	0.50	154.80	ppb	26.67	43.30	450000	
K	39	45	2	10.00	10.00	43.47	ppb	1646.96	7.13	180000	
Ca	44	45	2	62.55	62.55	61.16	ppb	140.01	49.49	450000	
V	51	72	2	-0.02	-0.02	-574.81	ppb	-7.92	-1707.20	3600	
Cr	52	72	2	0.13	0.13	34.78	ppb	353.37	16.34	3600	
Mn	55	72	2	0.08	0.08	150.05	ppb	146.68	43.83	3600	
Fe	57	72	2	1.96	1.96	104.60	ppb	226.69	25.47	90000	
Co	59	72	2	0.01	0.01	319.32	ppb	66.67	105.35	3600	
Ni	60	72	2	0.06	0.06	66.66	ppb	186.68	22.30	3600	
Cu	63	72	2	1.27	1.27	9.87	ppb	4700.97	5.02	3600	
Zn	66	72	2	1.53	1.53	16.07	ppb	560.06	9.45	3600	
As	75	72	2	-0.08	-0.08	-249.69	ppb	13.33	173.21	3600	
Se	78	72	1	0.05	0.05	49.60	ppb	32.00	33.07	3600	
Nb	93	72	2	0.01	0.01	326.41	ppb	440.04	22.73	7200	
Mo	95	115	2	0.02	0.02	139.56	ppb	66.67	45.83	3600	
Pd	105	115	2	-0.01	-0.01	-127.53	ppb	26.67	86.60	3600	
Ag	107	115	2	0.13	0.13	12.47	ppb	653.40	9.35	900	
Cd	111	115	2	0.08	0.08	99.21	ppb	100.01	40.00	3600	
Sn	120	115	2	-0.21	-0.21	-32.54	ppb	206.69	39.11	3600	
Sb	121	115	2	-0.06	-0.06	-56.88	ppb	26.67	86.60	3600	
Ba	137	115	2	0.13	0.13	123.81	ppb	33.34	124.90	3600	
W	182	165	2	-0.03	-0.03	-55.82	ppb	793.42	14.33	3600	
Pt	195	165	2	0.00	0.00	53.28	ppb	66.67	17.32	3600	
Tl	205	165	2	0.01	0.01	206.31	ppb	200.02	79.37	3600	
Pb	208	165	2	0.04	0.04	31.33	ppb	1273.47	10.22	3600	
Th	232	165	2	0.05	0.05	21.24	ppb	1080.14	10.31	3600	
U	238	165	2	0.01	0.01	135.13	ppb	180.02	106.00	3600	

QC ISTD Table

Element	m/z	Tune Step	CPS	%RSD	Ref CPS	%Rec	Lower Limit	Upper Limit	QC Flag
Li6	6	1	927354	1.23	1373007	67.5	60	125	
Sc (IS)	45	2	778640	2.25	1062732	73.3	60	125	
Ge (IS)	72	1	13758866	1.19	19161317	71.8	60	125	
Ge (IS)	72	2	1057434	2.68	1405307	75.2	60	125	
115In	115	2	3564240	3.36	4244795	84.0	60	125	
Ho-165	165	2	22395723	3.20	25189102	88.9	60	125	

TuneStep	TuneFile	TuneDate
1	h2_hmi.u	5/1/2012 10:02:00 PM
2	he_hmi.u	5/1/2012 10:02:00 PM

Sample Report

Sample Name	280-28141-F-6-B
Data File Name	169SMPL.D
DataPath	d:\DATA\050112a.B
Acq Date Time	2012-05-01T22:06:46-06:00
Type	Sample
VialNumber	3203
Dilution	1
Comment	117259 6020
Operator	LMT
ISTDRefDataFileName	149CALB.D
SamplePassFail	Pass
ISTD PassFail	Pass

QC Analyte Table

Element	m/z	ISTD	Tune Step	Meas Value	FinalConc	%RSD	Units	CPS	CPS %RSD	High Value	QC Flag
Be	9	6	1	0.01	0.01	173.21	ppb	3.33	173.21	3600	
Na	23	45	2	33889.82	33889.82	4.47	ppb	6308259.70	1.61	1800000	
Mg	24	45	2	9413.73	9413.73	5.64	ppb	711344.44	2.87	450000	
Al	27	45	2	8.37	8.37	80.61	ppb	140.01	71.43	450000	
K	39	45	2	18225.35	18225.35	3.40	ppb	620397.76	0.96	180000	
Ca	44	45	2	32340.28	32340.28	6.28	ppb	60268.70	3.71	450000	
V	51	72	2	0.98	0.98	30.72	ppb	1005.43	29.12	3600	
Cr	52	72	2	0.22	0.22	18.36	ppb	466.71	10.79	3600	
Mn	55	72	2	1320.69	1320.69	5.04	ppb	643518.70	3.07	3600	
Fe	57	72	2	8.68	8.68	26.75	ppb	413.37	14.78	90000	
Co	59	72	2	1.21	1.21	5.58	ppb	3647.36	3.57	3600	
Ni	60	72	2	2.50	2.50	18.43	ppb	2293.69	15.61	3600	
Cu	63	72	2	1.61	1.61	23.16	ppb	5494.63	15.35	3600	
Zn	66	72	2	5.95	5.95	2.97	ppb	1540.19	2.25	3600	
As	75	72	2	0.63	0.63	82.67	ppb	96.67	65.70	3600	
Se	78	72	1	0.01	0.01	61.87	ppb	13.33	17.32	3600	
Nb	93	72	2	-0.01	-0.01	-308.90	ppb	373.37	26.96	7200	
Mo	95	115	2	0.22	0.22	25.49	ppb	280.03	24.74	3600	
Pd	105	115	2	0.00	0.00	-305.51	ppb	33.33	91.65	3600	
Ag	107	115	2	0.00	0.00	163.30	ppb	40.00	50.00	900	
Cd	111	115	2	-0.05	-0.05	-103.00	ppb	40.00	50.01	3600	
Sn	120	115	2	0.50	0.50	33.49	ppb	946.78	17.97	3600	
Sb	121	115	2	0.01	0.01	685.37	ppb	73.34	62.99	3600	
Ba	137	115	2	27.31	27.31	8.18	ppb	6815.32	5.62	3600	
W	182	165	2	0.00	0.00	718.67	ppb	980.12	23.54	3600	
Pt	195	165	2	0.00	0.00	360.69	ppb	60.01	115.48	3600	
Tl	205	165	2	0.04	0.04	25.34	ppb	466.72	16.23	3600	
Pb	208	165	2	0.06	0.06	29.05	ppb	1473.50	11.70	3600	
Th	232	165	2	0.03	0.03	27.43	ppb	793.43	8.85	3600	
U	238	165	2	0.10	0.10	26.49	ppb	1413.51	24.85	3600	

QC ISTD Table

Element	m/z	Tune Step	CPS	%RSD	Ref CPS	%Rec	Lower Limit	Upper Limit	QC Flag
Li6	6	1	908822	0.46	1373007	66.2	60	125	
Sc (IS)	45	2	778731	2.92	1062732	73.3	60	125	
Ge (IS)	72	1	12886936	1.31	19161317	67.3	60	125	
Ge (IS)	72	2	1043947	2.06	1405307	74.3	60	125	
115In	115	2	3508442	3.01	4244795	82.7	60	125	
Ho-165	165	2	22130748	2.83	25189102	87.9	60	125	

TuneStep	TuneFile	TuneDate
1	h2_hmi.u	5/1/2012 10:05:00 PM
2	he_hmi.u	5/1/2012 10:05:00 PM

Sample Report

Sample Name	280-28141-F-7-B
Data File Name	170SMPL.D
DataPath	d:\DATA\050112a.B
Acq Date Time	2012-05-01T22:09:45-06:00
Type	Sample
VialNumber	3204
Dilution	1
Comment	117259 6020
Operator	LMT
ISTDRefDataFileName	149CALB.D
SamplePassFail	Pass
ISTD PassFail	Pass

QC Analyte Table

Element	m/z	ISTD	Tune Step	Meas Value	FinalConc	%RSD	Units	CPS	CPS %RSD	High Value	QC Flag
Be	9	6	1	0.01	0.01	173.21	ppb	1.67	173.21	3600	
Na	23	45	2	19949.27	19949.27	1.50	ppb	3679389.74	0.56	1800000	
Mg	24	45	2	6108.06	6108.06	0.91	ppb	455581.45	0.78	450000	
Al	27	45	2	1.50	1.50	190.69	ppb	40.00	100.00	450000	
K	39	45	2	4908.38	4908.38	1.55	ppb	165740.66	1.02	180000	
Ca	44	45	2	24755.35	24755.35	6.07	ppb	45512.63	4.78	450000	
V	51	72	2	0.49	0.49	28.90	ppb	504.57	27.95	3600	
Cr	52	72	2	0.14	0.14	99.32	ppb	353.37	54.98	3600	
Mn	55	72	2	2.17	2.17	11.29	ppb	1153.46	10.60	3600	
Fe	57	72	2	9.01	9.01	78.34	ppb	420.04	46.90	90000	
Co	59	72	2	0.15	0.15	22.50	ppb	493.39	20.41	3600	
Ni	60	72	2	1.64	1.64	9.91	ppb	1540.21	9.09	3600	
Cu	63	72	2	1.00	1.00	29.45	ppb	3927.43	18.80	3600	
Zn	66	72	2	0.88	0.88	67.40	ppb	406.71	32.00	3600	
As	75	72	2	0.27	0.27	67.10	ppb	53.33	39.03	3600	
Se	78	72	1	0.06	0.06	69.78	ppb	33.33	49.96	3600	
Nb	93	72	2	-0.03	-0.03	-10.43	ppb	286.69	4.03	7200	
Mo	95	115	2	0.00	0.00	319.71	ppb	46.67	24.74	3600	
Pd	105	115	2	-0.02	-0.02	-32.12	ppb	6.67	173.21	3600	
Ag	107	115	2	0.01	0.01	100.46	ppb	80.01	66.15	900	
Cd	111	115	2	0.02	0.02	318.63	ppb	66.67	34.65	3600	
Sn	120	115	2	-0.20	-0.20	-13.24	ppb	206.69	14.78	3600	
Sb	121	115	2	0.01	0.01	368.27	ppb	73.34	41.66	3600	
Ba	137	115	2	7.54	7.54	4.31	ppb	1846.93	4.10	3600	
W	182	165	2	0.01	0.01	168.35	ppb	980.12	7.36	3600	
Pt	195	165	2	0.00	0.00	-7158.05	ppb	40.00	100.00	3600	
Tl	205	165	2	0.01	0.01	126.87	ppb	226.69	58.75	3600	
Pb	208	165	2	0.02	0.02	44.05	ppb	1020.11	11.77	3600	
Th	232	165	2	0.02	0.02	35.44	ppb	713.43	12.64	3600	
U	238	165	2	0.03	0.03	23.60	ppb	473.39	21.68	3600	

QC ISTD Table

Element	m/z	Tune Step	CPS	%RSD	Ref CPS	%Rec	Lower Limit	Upper Limit	QC Flag
Li6	6	1	913747	0.48	1373007	66.6	60	125	
Sc (IS)	45	2	767679	1.42	1062732	72.2	60	125	
Ge (IS)	72	1	13322284	1.47	19161317	69.5	60	125	
Ge (IS)	72	2	1037265	0.47	1405307	73.8	60	125	
115In	115	2	3440214	1.39	4244795	81.0	60	125	
Ho-165	165	2	21821363	0.42	25189102	86.6	60	125	

TuneStep	TuneFile	TuneDate
1	h2_hmi.u	5/1/2012 10:08:00 PM
2	he_hmi.u	5/1/2012 10:08:00 PM

Continuing Calibration Verification (CCV) - US EPA Method 6020

Sample Name	ccv-1392320
Data File Name	1716CCV.D
DataPath	d:\DATA\050112a.B
Acq Date Time	2012-05-01T22:12:44-06:00
Type	6-CCV
VialNumber	1105
Dilution	1
Comment	
Operator	LMT
ISTDRefDataFileName	149CALB.D
SamplePassFail	Pass
ISTD PassFail	Pass

QC Analyte Table

Element	m/z	ISTD	Tune Step	Meas Value	%RSD	Units	CPS	CPS%RSD	Exp Value	%Rec	QC Low	QC High	QC Flag
Be	9	6	1	50.23	3.09	ppb	12999.63	2.91	50	100.5	90	110	
Na	23	45	2	4778.93	0.62	ppb	909629.78	1.01	5000	95.6	90	110	
Mg	24	45	2	4928.98	0.98	ppb	367092.75	1.40	5000	98.6	90	110	
Al	27	45	2	5120.87	1.52	ppb	71567.04	1.32	5000	102.4	90	110	
K	39	45	2	4961.78	3.96	ppb	167265.65	4.20	5000	99.2	90	110	
Ca	44	45	2	4987.35	4.12	ppb	9176.47	3.82	5000	99.7	90	110	
V	51	72	2	46.49	2.50	ppb	47463.18	2.35	50	93.0	90	110	
Cr	52	72	2	48.07	2.73	ppb	69415.73	2.19	50	96.1	90	110	
Mn	55	72	2	50.48	9.07	ppb	24892.39	8.27	50	101.0	90	110	
Fe	57	72	2	4819.67	0.79	ppb	137474.14	0.96	5000	96.4	90	110	
Co	59	72	2	48.13	0.85	ppb	144231.26	0.71	50	96.3	90	110	
Ni	60	72	2	47.99	1.07	ppb	42098.49	0.53	50	96.0	90	110	
Cu	63	72	2	54.77	0.65	ppb	141827.47	0.86	50	109.5	90	110	
Zn	66	72	2	48.83	6.11	ppb	11191.25	6.93	50	97.7	90	110	
As	75	72	2	48.77	9.38	ppb	5741.18	8.45	50	97.5	90	110	
Se	78	72	1	50.48	0.95	ppb	21944.28	0.67	50	101.0	90	110	
Nb	93	72	2	102.55	0.66	ppb	354250.40	1.18	100	102.5	90	110	
Mo	95	115	2	46.77	1.61	ppb	50421.23	2.06	50	93.5	90	110	
Pd	105	115	2	48.60	1.55	ppb	100953.58	2.17	50	97.2	90	110	
Ag	107	115	2	49.29	0.93	ppb	235480.98	0.74	50	98.6	90	110	
Cd	111	115	2	50.76	5.42	ppb	22603.43	5.43	50	101.5	90	110	
Sn	120	115	2	51.23	1.94	ppb	53960.85	1.22	50	102.5	90	110	
Sb	121	115	2	49.33	1.01	ppb	31677.81	1.24	50	98.7	90	110	
Ba	137	115	2	52.69	1.88	ppb	13106.22	2.44	50	105.4	90	110	
W	182	165	2	51.11	0.67	ppb	302211.11	0.79	50	102.2	90	110	
Pt	195	165	2	50.55	1.27	ppb	260691.64	1.06	50	101.1	90	110	
Tl	205	165	2	52.26	1.10	ppb	493298.31	0.37	50	104.5	90	110	
Pb	208	165	2	51.97	1.62	ppb	622767.23	0.83	50	103.9	90	110	
Th	232	165	2	52.96	0.54	ppb	608457.66	0.37	50	105.9	90	110	
U	238	165	2	53.90	1.22	ppb	750753.22	0.84	50	107.8	90	110	

QC ISTD Table

Element	m/z	Tune Step	CPS	%RSD	Ref CPS	%Rec	QC Low	QC High	QC Flag
Li6	6	1	969908	1.27	1373007	70.6	60	125	
Sc (IS)	45	2	766330	0.52	1062732	72.1	60	125	
Ge (IS)	72	1	14054605	1.05	19161317	73.3	60	125	
Ge (IS)	72	2	1051996	0.95	1405307	74.9	60	125	
115In	115	2	3491923	0.74	4244795	82.3	60	125	
Ho-165	165	2	21841846	0.78	25189102	86.7	60	125	

TuneStep	TuneFile
1	h2_hmi.u
2	he_hmi.u

Continuing Calibration Blank (CCB) - US EPA Method 6020

Sample Name	ccb-1392356
Data File Name	1726CCB.D
DataPath	d:\DATA\050112a.B
Acq Date Time	2012-05-01T22:15:42-06:00
Type	6-CCB
VialNumber	1305
Dilution	1
Comment	
Operator	LMT
ISTDRefDataFileName	149CALB.D
SamplePassFail	Fail
ISTD PassFail	Pass

QC Analyte Table

Element	m/z	ISTD	Tune Step	Meas Value	%RSD	Units	CPS	CPS %RSD	QC High	QC Flag
Be	9	6	1	0.02	34.98	ppb	8.33	34.64	1	
Na	23	45	2	-166.98	-1.48	ppb	15614.44	4.52	20	
Mg	24	45	2	-2.82	-17.42	ppb	233.35	32.45	20	
Al	27	45	2	-0.60	-132.09	ppb	20.00	100.00	20	
K	39	45	2	-11.21	-42.13	ppb	1666.91	16.98	20	
Ca	44	45	2	4.71	112.11	ppb	60.01	33.34	20	
V	51	72	2	-0.02	-336.31	ppb	-8.86	-1243.51	1	
Cr	52	72	2	-0.06	-38.50	ppb	133.34	45.83	1	
Mn	55	72	2	-0.02	-530.59	ppb	180.02	50.92	1	
Fe	57	72	2	-2.10	-49.19	ppb	206.69	27.93	20	
Co	59	72	2	-0.01	-32.37	ppb	13.33	173.21	1	
Ni	60	72	2	0.04	158.56	ppb	306.70	33.47	1	
Cu	63	72	2	-0.07	-24.05	ppb	2340.41	3.92	1	
Zn	66	72	2	0.08	151.10	ppb	433.38	9.61	5	
As	75	72	2	-0.08	-114.93	ppb	23.33	89.21	5	
Se	78	72	1	0.00	-1334.70	ppb	22.67	106.37	5	
Nb	93	72	2	-0.05	-65.07	ppb	466.71	41.18	5	
Mo	95	115	2	-0.02	-151.42	ppb	33.34	173.21	1	
Pd	105	115	2	-0.01	-105.73	ppb	26.67	173.21	1	
Ag	107	115	2	0.01	120.58	ppb	86.68	58.08	1	
Cd	111	115	2	-0.06	-129.10	ppb	53.34	114.57	1	
Sn	120	115	2	-0.20	-31.83	ppb	340.03	30.57	5	
Sb	121	115	2	0.01	439.77	ppb	120.01	44.10	0.2	
Ba	137	115	2	0.02	173.21	ppb	6.67	173.21	1	
W	182	165	2	-0.01	-298.34	ppb	1413.50	18.84	1	
Pt	195	165	2	0.01	40.12	ppb	146.68	20.83	1	
Tl	205	165	2	0.00	641.71	ppb	213.35	57.28	1	
Pb	208	165	2	0.03	71.37	ppb	1733.53	22.80	1	
Th	232	165	2	-0.02	-47.82	ppb	326.70	59.47	1	
U	238	165	2	0.01	99.86	ppb	186.69	64.58	1	

QC ISTD Table

Element	m/z	Tune Step	CPS	%RSD	Ref CPS	%Rec	QC Low	QC High	QC Flag
Li6	6	1	2071001	1.25	1373007	150.8	60	125	IS Main Failed
Sc (IS)	45	2	1399969	3.84	1062732	131.7	60	125	IS Main Failed
Ge (IS)	72	1	32128915	1.96	19161317	167.7	60	125	IS Main Failed
Ge (IS)	72	2	1969199	1.69	1405307	140.1	60	125	IS Main Failed
115In	115	2	5716261	2.30	4244795	134.7	60	125	IS Main Failed
Ho-165	165	2	35192110	1.88	25189102	139.7	60	125	IS Main Failed

TuneStep	TuneFile
1	h2_hmi.u
2	he_hmi.u

Sample Report

Sample Name	280-28201-C-5-B
Data File Name	173SMPL.D
DataPath	d:\DATA\050112a.B
Acq Date Time	2012-05-01T22:18:40-06:00
Type	Sample
VialNumber	2503
Dilution	1
Comment	117485 6020
Operator	LMT
ISTDRefDataFileName	149CALB.D
SamplePassFail	Pass
ISTD PassFail	Pass

QC Analyte Table

Element	m/z	ISTD	Tune Step	Meas Value	FinalConc	%RSD	Units	CPS	CPS %RSD	High Value	QC Flag
Be	9	6	1	0.02	0.02	173.21	ppb	3.33	173.21	3600	
Na	23	45	2	14068.68	14068.68	1.93	ppb	2384910.54	0.42	1800000	
Mg	24	45	2	4171.59	4171.59	1.75	ppb	284802.17	0.10	450000	
Al	27	45	2	7.50	7.50	79.61	ppb	113.34	66.81	450000	
K	39	45	2	6758.25	6758.25	2.37	ppb	208379.16	1.76	180000	
Ca	44	45	2	129120.40	129120.40	1.77	ppb	217223.55	0.36	450000	
V	51	72	2	1.93	1.93	18.92	ppb	1769.22	18.68	3600	
Cr	52	72	2	0.99	0.99	18.72	ppb	1420.20	17.98	3600	
Mn	55	72	2	13.08	13.08	7.00	ppb	5828.04	5.39	3600	
Fe	57	72	2	1568.46	1568.46	1.27	ppb	40053.45	2.68	90000	
Co	59	72	2	0.00	0.00	-325.64	ppb	33.33	69.28	3600	
Ni	60	72	2	0.42	0.42	30.54	ppb	446.71	22.98	3600	
Cu	63	72	2	0.14	0.14	67.74	ppb	1586.87	12.44	3600	
Zn	66	72	2	4.99	4.99	12.09	ppb	1193.49	10.78	3600	
As	75	72	2	0.19	0.19	99.26	ppb	40.00	50.00	3600	
Se	78	72	1	0.42	0.42	14.35	ppb	162.67	14.41	3600	
Nb	93	72	2	0.56	0.56	3.93	ppb	2100.35	2.52	7200	
Mo	95	115	2	3.13	3.13	5.14	ppb	3140.57	4.46	3600	
Pd	105	115	2	-0.01	-0.01	-42.64	ppb	13.33	86.60	3600	
Ag	107	115	2	0.00	0.00	785.42	ppb	26.67	43.30	900	
Cd	111	115	2	-0.01	-0.01	-1091.76	ppb	53.34	43.31	3600	
Sn	120	115	2	-0.12	-0.12	-88.24	ppb	273.36	36.83	3600	
Sb	121	115	2	0.16	0.16	102.15	ppb	153.35	61.64	3600	
Ba	137	115	2	18.07	18.07	4.44	ppb	4134.27	4.70	3600	
W	182	165	2	0.09	0.09	44.93	ppb	1373.53	15.71	3600	
Pt	195	165	2	0.01	0.01	145.07	ppb	73.34	68.64	3600	
Tl	205	165	2	0.01	0.01	155.83	ppb	173.35	52.04	3600	
Pb	208	165	2	0.10	0.10	26.40	ppb	1900.22	16.41	3600	
Th	232	165	2	0.31	0.31	15.23	ppb	3827.51	13.43	3600	
U	238	165	2	2.47	2.47	4.99	ppb	32776.41	4.93	3600	

QC ISTD Table

Element	m/z	Tune Step	CPS	%RSD	Ref CPS	%Rec	Lower Limit	Upper Limit	QC Flag
Li6	6	1	849202	2.50	1373007	61.8	60	125	
Sc (IS)	45	2	702523	1.66	1062732	66.1	60	125	
Ge (IS)	72	1	11862513	1.05	19161317	61.9	60	125	
Ge (IS)	72	2	939311	1.50	1405307	66.8	60	125	
115In	115	2	3212203	0.63	4244795	75.7	60	125	
Ho-165	165	2	20805046	0.05	25189102	82.6	60	125	

TuneStep	TuneFile	TuneDate
1	h2_hmi.u	5/1/2012 10:17:00 PM
2	he_hmi.u	5/1/2012 10:17:00 PM

Continuing Calibration Verification (CCV) - US EPA Method 6020

Sample Name	ccv-1392320
Data File Name	1746CCV.D
DataPath	d:\DATA\050112a.B
Acq Date Time	2012-05-01T22:21:38-06:00
Type	6-CCV
VialNumber	1106
Dilution	1
Comment	
Operator	LMT
ISTDRefDataFileName	149CALB.D
SamplePassFail	Pass
ISTD PassFail	Pass

QC Analyte Table

Element	m/z	ISTD	Tune Step	Meas Value	%RSD	Units	CPS	CPS%RSD	Exp Value	%Rec	QC Low	QC High	QC Flag
Be	9	6	1	50.21	2.90	ppb	12045.62	1.79	50	100.4	90	110	
Na	23	45	2	4715.36	1.55	ppb	851524.47	0.46	5000	94.3	90	110	
Mg	24	45	2	4921.46	1.67	ppb	347535.28	0.52	5000	98.4	90	110	
Al	27	45	2	4939.05	0.66	ppb	65464.91	1.93	5000	98.8	90	110	
K	39	45	2	4930.61	2.03	ppb	157595.57	0.77	5000	98.6	90	110	
Ca	44	45	2	5242.59	7.80	ppb	9142.94	6.99	5000	104.9	90	110	
V	51	72	2	45.35	2.53	ppb	44428.76	2.24	50	90.7	90	110	
Cr	52	72	2	45.80	2.88	ppb	63479.89	2.67	50	91.6	90	110	
Mn	55	72	2	49.71	4.38	ppb	23537.22	4.15	50	99.4	90	110	
Fe	57	72	2	4829.34	2.05	ppb	132187.01	1.72	5000	96.6	90	110	
Co	59	72	2	48.65	0.83	ppb	139909.61	0.47	50	97.3	90	110	
Ni	60	72	2	48.71	4.92	ppb	41009.18	4.71	50	97.4	90	110	
Cu	63	72	2	53.24	0.46	ppb	132350.80	0.70	50	106.5	90	110	
Zn	66	72	2	49.37	1.93	ppb	10850.97	1.75	50	98.7	90	110	
As	75	72	2	49.68	7.17	ppb	5614.45	6.88	50	99.4	90	110	
Se	78	72	1	49.12	1.65	ppb	20760.13	1.95	50	98.2	90	110	
Nb	93	72	2	102.96	0.22	ppb	341333.77	0.15	100	103.0	90	110	
Mo	95	115	2	47.04	2.84	ppb	48610.36	2.30	50	94.1	90	110	
Pd	105	115	2	49.41	0.52	ppb	98386.16	0.57	50	98.8	90	110	
Ag	107	115	2	49.58	1.44	ppb	227112.61	1.67	50	99.2	90	110	
Cd	111	115	2	51.39	3.83	ppb	21942.25	3.60	50	102.8	90	110	
Sn	120	115	2	50.93	3.39	ppb	51446.66	3.22	50	101.9	90	110	
Sb	121	115	2	50.69	4.23	ppb	31211.03	4.52	50	101.4	90	110	
Ba	137	115	2	52.05	2.89	ppb	12412.30	3.15	50	104.1	90	110	
W	182	165	2	52.56	2.14	ppb	301236.46	1.34	50	105.1	90	110	
Pt	195	165	2	51.50	2.10	ppb	257467.15	1.29	50	103.0	90	110	
Tl	205	165	2	52.62	1.16	ppb	481552.88	0.50	50	105.2	90	110	
Pb	208	165	2	52.56	1.31	ppb	610654.15	0.25	50	105.1	90	110	
Th	232	165	2	54.17	1.68	ppb	603398.03	1.04	50	108.3	90	110	
U	238	165	2	54.40	2.18	ppb	734611.58	1.13	50	108.8	90	110	

QC ISTD Table

Element	m/z	Tune Step	CPS	%RSD	Ref CPS	%Rec	QC Low	QC High	QC Flag
Li6	6	1	899245	1.13	1373007	65.5	60	125	
Sc (IS)	45	2	726729	1.29	1062732	68.4	60	125	
Ge (IS)	72	1	13663838	0.33	19161317	71.3	60	125	
Ge (IS)	72	2	1009542	0.36	1405307	71.8	60	125	
115In	115	2	3348091	0.54	4244795	78.9	60	125	
Ho-165	165	2	21177294	1.06	25189102	84.1	60	125	

TuneStep	TuneFile
1	h2_hmi.u
2	he_hmi.u

Continuing Calibration Blank (CCB) - US EPA Method 6020

Sample Name	ccb-1392356
Data File Name	1756CCB.D
DataPath	d:\DATA\050112a.B
Acq Date Time	2012-05-01T22:24:37-06:00
Type	6-CCB
VialNumber	1306
Dilution	1
Comment	
Operator	LMT
ISTDRefDataFileName	149CALB.D
SamplePassFail	Pass
ISTD PassFail	Pass

QC Analyte Table

Element	m/z	ISTD	Tune Step	Meas Value	%RSD	Units	CPS	CPS %RSD	QC High	QC Flag
Be	9	6	1	0.04	133.55	ppb	10.00	132.29	1	
Na	23	45	2	-158.35	-1.20	ppb	9656.58	3.54	20	
Mg	24	45	2	-1.52	-88.21	ppb	213.36	44.30	20	
Al	27	45	2	1.13	153.90	ppb	33.34	69.29	20	
K	39	45	2	6.85	46.62	ppb	1446.88	6.82	20	
Ca	44	45	2	6.01	396.96	ppb	33.34	124.90	20	
V	51	72	2	-0.01	-1656.15	ppb	5.91	2128.88	1	
Cr	52	72	2	-0.04	-140.02	ppb	106.68	65.85	1	
Mn	55	72	2	0.04	114.11	ppb	120.01	16.67	1	
Fe	57	72	2	2.17	82.02	ppb	226.69	22.21	20	
Co	59	72	2	0.03	78.74	ppb	120.01	50.00	1	
Ni	60	72	2	0.02	151.66	ppb	146.68	20.83	1	
Cu	63	72	2	0.08	225.65	ppb	1600.22	28.26	1	
Zn	66	72	2	0.17	172.52	ppb	246.69	26.06	5	
As	75	72	2	-0.05	-387.33	ppb	16.67	124.90	5	
Se	78	72	1	0.04	180.34	ppb	25.33	105.13	5	
Nb	93	72	2	0.68	8.99	ppb	2693.82	7.44	5	
Mo	95	115	2	-0.02	-88.23	ppb	20.00	100.00	1	
Pd	105	115	2	0.01	560.30	ppb	53.34	114.57	1	
Ag	107	115	2	0.01	88.41	ppb	73.34	56.77	1	
Cd	111	115	2	-0.04	-110.26	ppb	40.00	50.01	1	
Sn	120	115	2	-0.13	-76.43	ppb	280.03	35.72	5	
Sb	121	115	2	-0.03	-174.12	ppb	46.67	65.47	0.2	
Ba	137	115	2	0.08	173.21	ppb	20.00	173.21	1	
W	182	165	2	0.06	86.53	ppb	1260.17	23.38	1	
Pt	195	165	2	0.01	114.19	ppb	93.34	65.47	1	
Tl	205	165	2	0.02	51.99	ppb	273.36	29.57	1	
Pb	208	165	2	0.02	41.34	ppb	933.44	8.66	1	
Th	232	165	2	0.06	27.62	ppb	1180.16	16.69	1	
U	238	165	2	0.02	43.18	ppb	293.37	37.55	1	

QC ISTD Table

Element	m/z	Tune Step	CPS	%RSD	Ref CPS	%Rec	QC Low	QC High	QC Flag
Li6	6	1	918693	2.15	1373007	66.9	60	125	
Sc (IS)	45	2	730896	0.39	1062732	68.8	60	125	
Ge (IS)	72	1	13793876	0.93	19161317	72.0	60	125	
Ge (IS)	72	2	1029522	0.75	1405307	73.3	60	125	
115In	115	2	3390992	0.86	4244795	79.9	60	125	
Ho-165	165	2	21518906	0.41	25189102	85.4	60	125	

TuneStep	TuneFile
1	h2_hmi.u
2	he_hmi.u

Continuing Calibration Verification (CCV) - US EPA Method 6020

Sample Name	ccv-1392320
Data File Name	1766CCV.D
DataPath	d:\DATA\050112a.B
Acq Date Time	2012-05-01T22:29:47-06:00
Type	6-CCV
VialNumber	1106
Dilution	1
Comment	
Operator	LMT
ISTDRefDataFileName	149CALB.D
SamplePassFail	Pass
ISTD PassFail	Pass

QC Analyte Table

Element	m/z	ISTD	Tune Step	Meas Value	%RSD	Units	CPS	CPS%RSD	Exp Value	%Rec	QC Low	QC High	QC Flag
Be	9	6	1	48.57	3.00	ppb	11508.67	4.18	50	97.1	90	110	
Na	23	45	2	4600.89	0.51	ppb	819598.01	0.51	5000	92.0	90	110	
Mg	24	45	2	4742.67	1.03	ppb	330027.60	0.72	5000	94.9	90	110	
Al	27	45	2	4944.72	1.40	ppb	64569.63	1.13	5000	98.9	90	110	
K	39	45	2	4908.11	1.65	ppb	154592.08	1.26	5000	98.2	90	110	
Ca	44	45	2	4905.74	7.15	ppb	8436.01	7.40	5000	98.1	90	110	
V	51	72	2	47.38	5.31	ppb	45561.44	4.83	50	94.8	90	110	
Cr	52	72	2	46.36	2.86	ppb	63072.15	2.27	50	92.7	90	110	
Mn	55	72	2	49.58	2.54	ppb	23043.23	2.27	50	99.2	90	110	
Fe	57	72	2	4720.74	0.52	ppb	126857.08	1.05	5000	94.4	90	110	
Co	59	72	2	47.10	2.33	ppb	132975.25	2.79	50	94.2	90	110	
Ni	60	72	2	47.13	3.41	ppb	38951.29	2.92	50	94.3	90	110	
Cu	63	72	2	52.13	1.68	ppb	127243.04	1.07	50	104.3	90	110	
Zn	66	72	2	50.21	3.79	ppb	10830.86	3.59	50	100.4	90	110	
As	75	72	2	51.22	9.54	ppb	5681.15	9.26	50	102.4	90	110	
Se	78	72	1	49.21	2.24	ppb	20342.32	1.84	50	98.4	90	110	
Nb	93	72	2	102.11	0.42	ppb	332312.33	0.99	100	102.1	90	110	
Mo	95	115	2	48.53	2.27	ppb	49639.22	2.18	50	97.1	90	110	
Pd	105	115	2	48.37	1.67	ppb	95329.54	1.55	50	96.7	90	110	
Ag	107	115	2	47.91	1.19	ppb	217248.71	1.50	50	95.8	90	110	
Cd	111	115	2	47.07	8.49	ppb	19893.08	8.32	50	94.1	90	110	
Sn	120	115	2	51.25	3.14	ppb	51239.25	3.18	50	102.5	90	110	
Sb	121	115	2	51.12	1.74	ppb	31150.95	2.06	50	102.2	90	110	
Ba	137	115	2	51.29	2.49	ppb	12105.25	2.11	50	102.6	90	110	
W	182	165	2	50.36	0.90	ppb	289965.81	0.56	50	100.7	90	110	
Pt	195	165	2	49.87	1.29	ppb	250406.55	0.87	50	99.7	90	110	
Tl	205	165	2	52.24	0.88	ppb	480128.89	0.36	50	104.5	90	110	
Pb	208	165	2	52.19	1.00	ppb	608969.03	0.80	50	104.4	90	110	
Th	232	165	2	53.25	0.70	ppb	595657.30	0.45	50	106.5	90	110	
U	238	165	2	53.78	1.51	ppb	729402.85	1.04	50	107.6	90	110	

QC ISTD Table

Element	m/z	Tune Step	CPS	%RSD	Ref CPS	%Rec	QC Low	QC High	QC Flag
Li6	6	1	887701	1.47	1373007	64.7	60	125	
Sc (IS)	45	2	716027	0.37	1062732	67.4	60	125	
Ge (IS)	72	1	13364784	0.47	19161317	69.7	60	125	
Ge (IS)	72	2	991033	0.59	1405307	70.5	60	125	
115In	115	2	3313851	0.38	4244795	78.1	60	125	
Ho-165	165	2	21267118	0.53	25189102	84.4	60	125	

TuneStep	TuneFile
1	h2_hmi.u
2	he_hmi.u

Continuing Calibration Blank (CCB) - US EPA Method 6020

Sample Name	ccb-1392356
Data File Name	1776CCB.D
DataPath	d:\DATA\050112a.B
Acq Date Time	2012-05-01T22:32:46-06:00
Type	6-CCB
VialNumber	1306
Dilution	1
Comment	
Operator	LMT
ISTDRefDataFileName	149CALB.D
SamplePassFail	Pass
ISTD PassFail	Pass

QC Analyte Table

Element	m/z	ISTD	Tune Step	Meas Value	%RSD	Units	CPS	CPS %RSD	QC High	QC Flag
Be	9	6	1	0.02	99.68	ppb	5.00	100.00	1	
Na	23	45	2	-166.74	-2.56	ppb	7962.40	8.29	20	
Mg	24	45	2	-1.43	-52.03	ppb	213.35	23.59	20	
Al	27	45	2	-0.86	-104.00	ppb	6.67	173.21	20	
K	39	45	2	9.65	56.41	ppb	1493.53	12.00	20	
Ca	44	45	2	-1.38	-1461.81	ppb	20.00	173.21	20	
V	51	72	2	-0.01	-742.10	ppb	0.01	723635.14	1	
Cr	52	72	2	-0.06	-52.91	ppb	73.34	56.78	1	
Mn	55	72	2	0.01	499.68	ppb	106.68	28.64	1	
Fe	57	72	2	0.65	586.81	ppb	180.02	57.73	20	
Co	59	72	2	0.02	83.77	ppb	93.34	44.60	1	
Ni	60	72	2	0.01	451.55	ppb	133.35	31.23	1	
Cu	63	72	2	-0.02	-39.14	ppb	1306.83	1.77	1	
Zn	66	72	2	0.19	542.75	ppb	246.69	90.41	5	
As	75	72	2	-0.07	-69.98	ppb	13.33	43.30	5	
Se	78	72	1	0.03	66.69	ppb	22.67	36.74	5	
Nb	93	72	2	0.62	9.84	ppb	2433.73	8.56	5	
Mo	95	115	2	-0.01	-457.44	ppb	33.34	124.90	1	
Pd	105	115	2	0.02	34.81	ppb	73.34	15.74	1	
Ag	107	115	2	0.02	42.13	ppb	120.01	33.33	1	
Cd	111	115	2	-0.09	-53.60	ppb	20.00	100.00	1	
Sn	120	115	2	-0.08	-74.90	ppb	320.03	18.75	5	
Sb	121	115	2	0.03	5.87	ppb	80.01	0.00	0.2	
Ba	137	115	2	0.03	173.21	ppb	6.67	173.21	1	
W	182	165	2	0.05	67.96	ppb	1206.85	16.35	1	
Pt	195	165	2	0.02	10.23	ppb	146.68	7.87	1	
Tl	205	165	2	0.02	67.02	ppb	306.70	41.42	1	
Pb	208	165	2	0.05	38.56	ppb	1326.83	17.14	1	
Th	232	165	2	0.00	-544.07	ppb	413.37	47.74	1	
U	238	165	2	0.02	28.16	ppb	366.71	25.19	1	

QC ISTD Table

Element	m/z	Tune Step	CPS	%RSD	Ref CPS	%Rec	QC Low	QC High	QC Flag
Li6	6	1	881383	1.23	1373007	64.2	60	125	
Sc (IS)	45	2	710179	0.77	1062732	66.8	60	125	
Ge (IS)	72	1	13705834	0.97	19161317	71.5	60	125	
Ge (IS)	72	2	1007246	0.57	1405307	71.7	60	125	
115In	115	2	3356228	1.21	4244795	79.1	60	125	
Ho-165	165	2	21248467	0.40	25189102	84.4	60	125	

TuneStep	TuneFile
1	h2_hmi.u
2	he_hmi.u

Sample Report

Sample Name	MB 280-117259/1-A
Data File Name	178SMPL.D
DataPath	d:\DATA\050112a.B
Acq Date Time	2012-05-01T22:35:44-06:00
Type	Sample
VialNumber	3101
Dilution	1
Comment	117259 6020
Operator	LMT
ISTDRefDataFileName	149CALB.D
SamplePassFail	Fail
ISTD PassFail	Pass

QC Analyte Table

Element	m/z	ISTD	Tune Step	Meas Value	FinalConc	%RSD	Units	CPS	CPS %RSD	High Value	QC Flag
Be	9	6	1	0.00	0.00	#DIV/0!	ppb	0.00	#DIV/0!	3600	
Na	23	45	2	-166.11	-166.11	-2.08	ppb	7568.79	7.04	1800000	
Mg	24	45	2	-2.04	-2.04	-31.62	ppb	160.01	25.00	450000	
Al	27	45	2	0.83	0.83	230.65	ppb	26.67	86.60	450000	
K	39	45	2	4.70	4.70	108.18	ppb	1253.49	9.21	180000	
Ca	44	45	2	41.23	41.23	62.26	ppb	86.67	48.04	450000	
V	51	72	2	-0.06	-0.06	-235.61	ppb	-47.16	-294.32	3600	
Cr	52	72	2	0.05	0.05	145.75	ppb	206.69	45.74	3600	
Mn	55	72	2	0.55	0.55	16.56	ppb	333.37	12.49	3600	
Fe	57	72	2	39.20	39.20	13.42	ppb	1146.82	11.61	90000	
Co	59	72	2	-0.01	-0.01	-35.47	ppb	6.67	173.21	3600	
Ni	60	72	2	0.18	0.18	35.72	ppb	260.03	20.35	3600	
Cu	63	72	2	0.41	0.41	33.54	ppb	2213.63	14.69	3600	
Zn	66	72	2	0.27	0.27	194.88	ppb	246.69	44.66	3600	
As	75	72	2	-0.09	-0.09	-104.45	ppb	10.00	100.00	3600	
Se	78	72	1	0.02	0.02	164.05	ppb	16.00	66.14	3600	
Nb	93	72	2	0.34	0.34	21.37	ppb	1406.87	17.67	7200	
Mo	95	115	2	-0.01	-0.01	-81.65	ppb	26.67	43.30	3600	
Pd	105	115	2	0.00	0.00	-311.34	ppb	33.34	69.29	3600	
Ag	107	115	2	0.01	0.01	124.16	ppb	66.67	75.50	900	
Cd	111	115	2	-0.04	-0.04	-245.21	ppb	40.00	100.00	3600	
Sn	120	115	2	-0.09	-0.09	-51.35	ppb	300.03	17.64	3600	
Sb	121	115	2	-0.05	-0.05	-205.24	ppb	33.34	173.21	3600	
Ba	137	115	2	0.41	0.41	13.44	ppb	93.34	12.37	3600	
W	182	165	2	0.03	0.03	155.72	ppb	1060.12	24.53	3600	
Pt	195	165	2	0.01	0.01	103.59	ppb	66.67	45.83	3600	
Tl	205	165	2	0.01	0.01	118.51	ppb	220.03	55.30	3600	
Pb	208	165	2	0.54	0.54	6.13	ppb	6774.59	5.22	3600	
Th	232	165	2	0.28	0.28	1.69	ppb	3420.74	1.01	3600	
U	238	165	2	0.01	0.01	30.59	ppb	160.02	21.65	3600	

QC ISTD Table

Element	m/z	Tune Step	CPS	%RSD	Ref CPS	%Rec	Lower Limit	Upper Limit	QC Flag
Li6	6	1	785479	1.12	1373007	57.2	60	125	IS Main Failed
Sc (IS)	45	2	666062	3.10	1062732	62.7	60	125	
Ge (IS)	72	1	12508471	0.43	19161317	65.3	60	125	
Ge (IS)	72	2	937979	2.25	1405307	66.7	60	125	
115In	115	2	3222041	2.64	4244795	75.9	60	125	
Ho-165	165	2	20569177	2.27	25189102	81.7	60	125	

TuneStep	TuneFile	TuneDate
1	h2_hmi.u	5/1/2012 10:34:00 PM
2	he_hmi.u	5/1/2012 10:34:00 PM

Sample Report

Sample Name	LCS 280-117259/2-A
Data File Name	179SMPL.D
DataPath	d:\DATA\050112a.B
Acq Date Time	2012-05-01T22:38:43-06:00
Type	Sample
VialNumber	3102
Dilution	1
Comment	117259 6020
Operator	LMT
ISTDRefDataFileName	149CALB.D
SamplePassFail	Fail
ISTD PassFail	Pass

QC Analyte Table

Element	m/z	ISTD	Tune Step	Meas Value	FinalConc	%RSD	Units	CPS	CPS %RSD	High Value	QC Flag
Be	9	6	1	39.51	39.51	2.88	ppb	8298.62	2.53	3600	
Na	23	45	2	-163.60	-163.60	-3.27	ppb	7962.39	9.89	1800000	
Mg	24	45	2	-1.63	-1.63	-72.85	ppb	186.68	40.56	450000	
Al	27	45	2	0.27	0.27	613.66	ppb	20.00	100.00	450000	
K	39	45	2	2.09	2.09	103.50	ppb	1180.15	5.87	180000	
Ca	44	45	2	16.18	16.18	43.18	ppb	46.67	24.75	450000	
V	51	72	2	38.58	38.58	11.91	ppb	35472.25	11.65	3600	
Cr	52	72	2	37.50	37.50	0.80	ppb	48815.01	0.71	3600	
Mn	55	72	2	39.63	39.63	3.62	ppb	17629.93	3.67	3600	
Fe	57	72	2	7.29	7.29	70.24	ppb	340.04	38.57	90000	
Co	59	72	2	37.44	37.44	2.61	ppb	101071.18	2.89	3600	
Ni	60	72	2	37.77	37.77	2.88	ppb	29866.98	2.66	3600	
Cu	63	72	2	38.76	38.76	3.01	ppb	90770.02	3.05	3600	
Zn	66	72	2	35.76	35.76	10.07	ppb	7428.89	9.58	3600	
As	75	72	2	38.81	38.81	4.64	ppb	4120.69	4.50	3600	
Se	78	72	1	35.13	35.13	2.51	ppb	13566.63	3.29	3600	
Nb	93	72	2	0.15	0.15	65.35	ppb	820.09	36.10	7200	
Mo	95	115	2	37.17	37.17	1.15	ppb	37222.15	1.03	3600	
Pd	105	115	2	0.00	0.00	-13025.58	ppb	40.01	173.21	3600	
Ag	107	115	2	38.41	38.41	0.86	ppb	170440.84	0.54	900	
Cd	111	115	2	37.54	37.54	3.97	ppb	15541.49	3.46	3600	
Sn	120	115	2	39.90	39.90	5.26	ppb	39133.46	5.47	3600	
Sb	121	115	2	37.93	37.93	1.02	ppb	22636.47	0.72	3600	
Ba	137	115	2	40.82	40.82	6.64	ppb	9430.13	6.51	3600	
W	182	165	2	0.00	0.00	1408.53	ppb	900.13	20.37	3600	
Pt	195	165	2	0.01	0.01	86.27	ppb	86.67	48.04	3600	
Tl	205	165	2	41.52	41.52	0.17	ppb	371381.52	0.54	3600	
Pb	208	165	2	42.21	42.21	0.63	ppb	479414.76	0.38	3600	
Th	232	165	2	41.01	41.01	1.44	ppb	446508.08	0.96	3600	
U	238	165	2	43.52	43.52	1.00	ppb	574304.57	0.83	3600	

QC ISTD Table

Element	m/z	Tune Step	CPS	%RSD	Ref CPS	%Rec	Lower Limit	Upper Limit	QC Flag
Li6	6	1	787150	1.88	1373007	57.3	60	125	IS Main Failed
Sc (IS)	45	2	665803	0.81	1062732	62.7	60	125	
Ge (IS)	72	1	12480281	0.80	19161317	65.1	60	125	
Ge (IS)	72	2	947440	0.29	1405307	67.4	60	125	
115In	115	2	3243648	0.58	4244795	76.4	60	125	
Ho-165	165	2	20693913	0.49	25189102	82.2	60	125	

TuneStep	TuneFile	TuneDate
1	h2_hmi.u	5/1/2012 10:37:00 PM
2	he_hmi.u	5/1/2012 10:37:00 PM

Sample Report

Sample Name	280-28099-E-4-B
Data File Name	180SMPL.D
DataPath	d:\DATA\050112a.B
Acq Date Time	2012-05-01T22:41:41-06:00
Type	Sample
VialNumber	3103
Dilution	1
Comment	117259 6020
Operator	LMT
ISTDRefDataFileName	149CALB.D
SamplePassFail	Fail
ISTD PassFail	Pass

QC Analyte Table

Element	m/z	ISTD	Tune Step	Meas Value	FinalConc	%RSD	Units	CPS	CPS %RSD	High Value	QC Flag
Be	9	6	1	0.03	0.03	86.60	ppb	6.67	86.60	3600	
Na	23	45	2	9920.53	9920.53	1.04	ppb	1598508.83	0.84	1800000	
Mg	24	45	2	3059.47	3059.47	1.78	ppb	197369.92	1.17	450000	
Al	27	45	2	-0.26	-0.26	-732.93	ppb	13.33	173.21	450000	
K	39	45	2	6281.56	6281.56	1.57	ppb	183026.11	1.55	180000	
Ca	44	45	2	12438.32	12438.32	0.35	ppb	19785.50	1.02	450000	
V	51	72	2	0.10	0.10	81.29	ppb	104.38	73.71	3600	
Cr	52	72	2	0.21	0.21	17.39	ppb	400.04	13.23	3600	
Mn	55	72	2	716.76	716.76	3.00	ppb	308440.95	1.29	3600	
Fe	57	72	2	1836.22	1836.22	3.34	ppb	45967.86	3.25	90000	
Co	59	72	2	0.47	0.47	11.42	ppb	1280.16	12.50	3600	
Ni	60	72	2	0.39	0.39	28.04	ppb	413.38	19.56	3600	
Cu	63	72	2	0.21	0.21	97.29	ppb	1720.24	25.34	3600	
Zn	66	72	2	1.39	1.39	29.01	ppb	460.05	15.68	3600	
As	75	72	2	5.33	5.33	8.20	ppb	566.70	6.20	3600	
Se	78	72	1	0.05	0.05	95.66	ppb	29.33	67.27	3600	
Nb	93	72	2	0.15	0.15	31.35	ppb	800.09	17.50	7200	
Mo	95	115	2	0.18	0.18	54.78	ppb	213.35	44.31	3600	
Pd	105	115	2	-0.02	-0.02	0.00	ppb	0.00	#DIV/0!	3600	
Ag	107	115	2	0.03	0.03	79.94	ppb	140.02	65.47	900	
Cd	111	115	2	-0.02	-0.02	-284.98	ppb	46.67	49.49	3600	
Sn	120	115	2	-0.12	-0.12	-60.62	ppb	273.36	23.52	3600	
Sb	121	115	2	0.05	0.05	172.57	ppb	86.67	53.29	3600	
Ba	137	115	2	8.40	8.40	12.79	ppb	1893.62	12.60	3600	
W	182	165	2	0.03	0.03	157.34	ppb	1026.79	21.46	3600	
Pt	195	165	2	0.01	0.01	46.27	ppb	80.01	25.00	3600	
Tl	205	165	2	0.03	0.03	78.95	ppb	340.04	52.94	3600	
Pb	208	165	2	0.07	0.07	37.92	ppb	1473.49	20.42	3600	
Th	232	165	2	1.27	1.27	14.58	ppb	14147.69	13.85	3600	
U	238	165	2	0.02	0.02	16.53	ppb	306.70	15.06	3600	

QC ISTD Table

Element	m/z	Tune Step	CPS	%RSD	Ref CPS	%Rec	Lower Limit	Upper Limit	QC Flag
Li6	6	1	759323	0.40	1373007	55.3	60	125	IS Main Failed
Sc (IS)	45	2	663487	0.68	1062732	62.4	60	125	
Ge (IS)	72	1	12024396	1.67	19161317	62.8	60	125	
Ge (IS)	72	2	921542	1.84	1405307	65.6	60	125	
115In	115	2	3164483	0.79	4244795	74.5	60	125	
Ho-165	165	2	20547962	1.05	25189102	81.6	60	125	

TuneStep	TuneFile	TuneDate
1	h2_hmi.u	5/1/2012 10:40:00 PM
2	he_hmi.u	5/1/2012 10:40:00 PM

Sample Report

Sample Name	280-28099-E-5-B
Data File Name	181SMPL.D
DataPath	d:\DATA\050112a.B
Acq Date Time	2012-05-01T22:44:39-06:00
Type	Sample
VialNumber	3104
Dilution	1
Comment	117259 6020
Operator	LMT
ISTDRefDataFileName	149CALB.D
SamplePassFail	Fail
ISTD PassFail	Pass

QC Analyte Table

Element	m/z	ISTD	Tune Step	Meas Value	FinalConc	%RSD	Units	CPS	CPS %RSD	High Value	QC Flag
Be	9	6	1	0.06	0.06	90.10	ppb	11.67	89.21	3600	
Na	23	45	2	5104.46	5104.46	1.49	ppb	834169.47	0.78	1800000	
Mg	24	45	2	2743.18	2743.18	1.02	ppb	176015.74	0.29	450000	
Al	27	45	2	0.85	0.85	227.20	ppb	26.67	86.60	450000	
K	39	45	2	3097.78	3097.78	1.62	ppb	90316.56	1.21	180000	
Ca	44	45	2	10360.60	10360.60	3.45	ppb	16388.71	2.54	450000	
V	51	72	2	0.22	0.22	34.15	ppb	210.65	32.10	3600	
Cr	52	72	2	0.16	0.16	53.48	ppb	346.70	31.77	3600	
Mn	55	72	2	139.08	139.08	0.41	ppb	59955.27	0.76	3600	
Fe	57	72	2	2.86	2.86	57.11	ppb	220.02	18.18	90000	
Co	59	72	2	0.08	0.08	45.63	ppb	246.69	38.32	3600	
Ni	60	72	2	0.43	0.43	18.36	ppb	446.71	13.68	3600	
Cu	63	72	2	0.83	0.83	24.13	ppb	3120.54	14.79	3600	
Zn	66	72	2	1.52	1.52	71.72	ppb	486.71	43.94	3600	
As	75	72	2	0.04	0.04	412.40	ppb	23.33	65.47	3600	
Se	78	72	1	0.06	0.06	78.66	ppb	32.00	54.49	3600	
Nb	93	72	2	0.06	0.06	31.46	ppb	546.72	11.18	7200	
Mo	95	115	2	0.07	0.07	87.19	ppb	106.67	54.13	3600	
Pd	105	115	2	-0.02	-0.02	0.00	ppb	0.00	#DIV/0!	3600	
Ag	107	115	2	0.01	0.01	171.56	ppb	60.01	100.00	900	
Cd	111	115	2	0.08	0.08	97.74	ppb	86.68	35.25	3600	
Sn	120	115	2	-0.15	-0.15	-36.73	ppb	246.69	20.41	3600	
Sb	121	115	2	0.06	0.06	247.35	ppb	93.34	86.60	3600	
Ba	137	115	2	3.89	3.89	18.73	ppb	886.77	18.23	3600	
W	182	165	2	-0.02	-0.02	-207.80	ppb	760.09	32.01	3600	
Pt	195	165	2	0.01	0.01	91.82	ppb	93.34	53.93	3600	
Tl	205	165	2	0.01	0.01	112.16	ppb	186.69	43.30	3600	
Pb	208	165	2	0.04	0.04	17.00	ppb	1180.13	7.39	3600	
Th	232	165	2	0.30	0.30	31.55	ppb	3694.16	27.27	3600	
U	238	165	2	0.01	0.01	30.67	ppb	173.35	24.02	3600	

QC ISTD Table

Element	m/z	Tune Step	CPS	%RSD	Ref CPS	%Rec	Lower Limit	Upper Limit	QC Flag
Li6	6	1	769600	2.55	1373007	56.1	60	125	IS Main Failed
Sc (IS)	45	2	659809	1.07	1062732	62.1	60	125	
Ge (IS)	72	1	12090832	1.55	19161317	63.1	60	125	
Ge (IS)	72	2	921662	0.39	1405307	65.6	60	125	
115In	115	2	3203090	0.59	4244795	75.5	60	125	
Ho-165	165	2	20528166	0.68	25189102	81.5	60	125	

TuneStep	TuneFile	TuneDate
1	h2_hmi.u	5/1/2012 10:43:00 PM
2	he_hmi.u	5/1/2012 10:43:00 PM

Sample Report

Sample Name	280-28099-E-6-D
Data File Name	182SMPL.D
DataPath	d:\DATA\050112a.B
Acq Date Time	2012-05-01T22:47:36-06:00
Type	Sample
VialNumber	3105
Dilution	1
Comment	117259 6020
Operator	LMT
ISTDRefDataFileName	149CALB.D
SamplePassFail	Fail
ISTD PassFail	Pass

QC Analyte Table

Element	m/z	ISTD	Tune Step	Meas Value	FinalConc	%RSD	Units	CPS	CPS %RSD	High Value	QC Flag
Be	9	6	1	0.02	0.02	173.21	ppb	3.33	173.21	3600	
Na	23	45	2	5848.41	5848.41	4.37	ppb	933004.65	2.74	1800000	
Mg	24	45	2	4182.75	4182.75	3.07	ppb	263216.49	1.37	450000	
Al	27	45	2	4.20	4.20	139.39	ppb	66.68	105.36	450000	
K	39	45	2	1230.39	1230.39	7.51	ppb	35884.27	8.31	180000	
Ca	44	45	2	14798.39	14798.39	1.64	ppb	22969.69	0.81	450000	
V	51	72	2	1.24	1.24	14.76	ppb	1110.25	13.38	3600	
Cr	52	72	2	0.31	0.31	36.27	ppb	520.05	25.22	3600	
Mn	55	72	2	0.26	0.26	91.62	ppb	200.02	50.00	3600	
Fe	57	72	2	3.47	3.47	46.70	ppb	233.35	17.84	90000	
Co	59	72	2	0.03	0.03	19.59	ppb	106.68	10.82	3600	
Ni	60	72	2	0.37	0.37	41.80	ppb	393.38	29.79	3600	
Cu	63	72	2	0.61	0.61	14.97	ppb	2600.43	8.74	3600	
Zn	66	72	2	1.13	1.13	61.10	ppb	406.71	32.75	3600	
As	75	72	2	0.20	0.20	3.02	ppb	40.00	0.00	3600	
Se	78	72	1	0.03	0.03	90.18	ppb	21.33	54.13	3600	
Nb	93	72	2	0.06	0.06	17.60	ppb	533.39	4.33	7200	
Mo	95	115	2	0.33	0.33	19.88	ppb	360.04	19.25	3600	
Pd	105	115	2	0.00	0.00	64598.52	ppb	40.01	100.01	3600	
Ag	107	115	2	0.00	0.00	543.21	ppb	26.67	43.30	900	
Cd	111	115	2	-0.12	-0.12	-23.45	ppb	6.67	173.21	3600	
Sn	120	115	2	-0.12	-0.12	-124.65	ppb	266.70	52.68	3600	
Sb	121	115	2	0.05	0.05	90.11	ppb	86.68	26.64	3600	
Ba	137	115	2	1.91	1.91	8.16	ppb	426.71	5.41	3600	
W	182	165	2	0.03	0.03	140.70	ppb	1020.13	21.57	3600	
Pt	195	165	2	0.02	0.02	34.68	ppb	126.68	24.12	3600	
Tl	205	165	2	0.01	0.01	78.10	ppb	200.02	34.64	3600	
Pb	208	165	2	0.07	0.07	26.84	ppb	1486.85	13.81	3600	
Th	232	165	2	0.22	0.22	24.83	ppb	2727.18	21.49	3600	
U	238	165	2	0.03	0.03	7.36	ppb	460.04	7.53	3600	

QC ISTD Table

Element	m/z	Tune Step	CPS	%RSD	Ref CPS	%Rec	Lower Limit	Upper Limit	QC Flag
Li6	6	1	751183	10.25	1373007	54.7	60	125	IS Main Failed
Sc (IS)	45	2	647666	1.94	1062732	60.9	60	125	
Ge (IS)	72	1	11625491	10.44	19161317	60.7	60	125	
Ge (IS)	72	2	913542	1.54	1405307	65.0	60	125	
115In	115	2	3133616	2.92	4244795	73.8	60	125	
Ho-165	165	2	20285776	0.97	25189102	80.5	60	125	

TuneStep	TuneFile	TuneDate
1	h2_hmi.u	5/1/2012 10:46:00 PM
2	he_hmi.u	5/1/2012 10:46:00 PM

Sample Report

Sample Name	280-28141-F-1-B
Data File Name	183SMPL.D
DataPath	d:\DATA\050112a.B
Acq Date Time	2012-05-01T22:50:36-06:00
Type	Sample
VialNumber	3106
Dilution	1
Comment	117259 6020
Operator	LMT
ISTDRefDataFileName	149CALB.D
SamplePassFail	Fail
ISTD PassFail	Pass

QC Analyte Table

Element	m/z	ISTD	Tune Step	Meas Value	FinalConc	%RSD	Units	CPS	CPS %RSD	High Value	QC Flag
Be	9	6	1	0.00	0.00	#DIV/0!	ppb	0.00	#DIV/0!	3600	
Na	23	45	2	25074.32	25074.32	1.25	ppb	3828252.13	0.45	1800000	
Mg	24	45	2	5347.73	5347.73	3.56	ppb	330839.36	2.06	450000	
Al	27	45	2	0.34	0.34	507.11	ppb	20.00	100.00	450000	
K	39	45	2	3245.46	3245.46	4.42	ppb	91247.98	2.92	180000	
Ca	44	45	2	22080.27	22080.27	2.14	ppb	33693.63	1.96	450000	
V	51	72	2	0.30	0.30	144.75	ppb	269.37	139.68	3600	
Cr	52	72	2	0.06	0.06	132.64	ppb	206.69	45.73	3600	
Mn	55	72	2	0.11	0.11	71.39	ppb	133.35	22.91	3600	
Fe	57	72	2	15.33	15.33	32.77	ppb	513.39	22.83	90000	
Co	59	72	2	0.15	0.15	31.55	ppb	420.05	28.97	3600	
Ni	60	72	2	1.42	1.42	18.61	ppb	1166.82	17.51	3600	
Cu	63	72	2	0.85	0.85	6.97	ppb	3067.18	5.23	3600	
Zn	66	72	2	0.93	0.93	100.44	ppb	360.05	50.01	3600	
As	75	72	2	0.01	0.01	1990.77	ppb	20.00	100.00	3600	
Se	78	72	1	0.06	0.06	93.25	ppb	30.67	74.17	3600	
Nb	93	72	2	-0.01	-0.01	-1141.49	ppb	326.71	63.73	7200	
Mo	95	115	2	0.02	0.02	96.51	ppb	60.01	33.34	3600	
Pd	105	115	2	-0.02	-0.02	-36.69	ppb	6.67	173.21	3600	
Ag	107	115	2	0.01	0.01	70.57	ppb	66.67	45.83	900	
Cd	111	115	2	-0.03	-0.03	-424.03	ppb	40.00	132.29	3600	
Sn	120	115	2	-0.19	-0.19	-60.77	ppb	193.35	56.98	3600	
Sb	121	115	2	0.06	0.06	86.11	ppb	93.34	32.73	3600	
Ba	137	115	2	7.43	7.43	21.46	ppb	1626.89	20.66	3600	
W	182	165	2	0.01	0.01	626.75	ppb	906.77	32.14	3600	
Pt	195	165	2	0.00	0.00	-116.67	ppb	20.00	100.00	3600	
Tl	205	165	2	-0.01	-0.01	-38.34	ppb	60.00	33.33	3600	
Pb	208	165	2	0.05	0.05	45.26	ppb	1286.81	20.52	3600	
Th	232	165	2	0.10	0.10	34.43	ppb	1466.88	24.75	3600	
U	238	165	2	0.19	0.19	9.68	ppb	2453.73	8.98	3600	

QC ISTD Table

Element	m/z	Tune Step	CPS	%RSD	Ref CPS	%Rec	Lower Limit	Upper Limit	QC Flag
Li6	6	1	767443	11.61	1373007	55.9	60	125	IS Main Failed
Sc (IS)	45	2	636853	1.49	1062732	59.9	60	125	IS Main Failed
Ge (IS)	72	1	11768539	12.48	19161317	61.4	60	125	
Ge (IS)	72	2	891557	1.06	1405307	63.4	60	125	
115In	115	2	3077847	1.32	4244795	72.5	60	125	
Ho-165	165	2	20080963	0.62	25189102	79.7	60	125	

TuneStep	TuneFile	TuneDate
1	h2_hmi.u	5/1/2012 10:49:00 PM
2	he_hmi.u	5/1/2012 10:49:00 PM

Sample Report

Sample Name	280-28141-F-1-B sd@5
Data File Name	184SMPL.D
DataPath	d:\DATA\050112a.B
Acq Date Time	2012-05-01T22:53:34-06:00
Type	Sample
VialNumber	3107
Dilution	1
Comment	117259 6020
Operator	LMT
ISTDRefDataFileName	149CALB.D
SamplePassFail	Fail
ISTD PassFail	Pass

QC Analyte Table

Element	m/z	ISTD	Tune Step	Meas Value	FinalConc	%RSD	Units	CPS	CPS%RSD	High Value	QC Flag
Be	9	6	1	0.00	0.00	#DIV/0!	ppb	0.00	#DIV/0!	3600	
Na	23	45	2	5141.93	5141.93	0.94	ppb	806482.25	0.74	1800000	
Mg	24	45	2	1125.88	1125.88	1.45	ppb	69518.80	1.36	450000	
Al	27	45	2	0.36	0.36	485.18	ppb	20.00	100.00	450000	
K	39	45	2	662.09	662.09	5.45	ppb	19371.50	5.46	180000	
Ca	44	45	2	4619.38	4619.38	10.70	ppb	7028.67	10.95	450000	
V	51	72	2	0.05	0.05	287.25	ppb	56.77	228.88	3600	
Cr	52	72	2	0.03	0.03	294.54	ppb	180.02	69.39	3600	
Mn	55	72	2	0.04	0.04	260.26	ppb	106.67	39.03	3600	
Fe	57	72	2	2.69	2.69	103.10	ppb	213.35	32.93	90000	
Co	59	72	2	0.03	0.03	119.11	ppb	106.68	75.78	3600	
Ni	60	72	2	0.14	0.14	120.51	ppb	220.02	59.61	3600	
Cu	63	72	2	0.02	0.02	87.93	ppb	1273.48	3.27	3600	
Zn	66	72	2	1.34	1.34	93.95	ppb	446.71	55.27	3600	
As	75	72	2	-0.06	-0.06	-400.19	ppb	13.33	173.21	3600	
Se	78	72	1	0.01	0.01	242.82	ppb	13.33	69.28	3600	
Nb	93	72	2	-0.04	-0.04	-73.00	ppb	246.69	32.77	7200	
Mo	95	115	2	-0.03	-0.03	-35.94	ppb	6.67	173.21	3600	
Pd	105	115	2	-0.01	-0.01	-93.73	ppb	26.67	43.30	3600	
Ag	107	115	2	0.00	0.00	973.77	ppb	26.67	86.60	900	
Cd	111	115	2	-0.05	-0.05	-151.86	ppb	33.33	91.65	3600	
Sn	120	115	2	-0.09	-0.09	-27.96	ppb	286.70	8.06	3600	
Sb	121	115	2	-0.01	-0.01	-645.49	ppb	53.34	57.29	3600	
Ba	137	115	2	1.01	1.01	64.33	ppb	220.02	63.64	3600	
W	182	165	2	0.02	0.02	222.73	ppb	953.45	23.02	3600	
Pt	195	165	2	0.00	0.00	1145.58	ppb	40.01	86.60	3600	
Tl	205	165	2	0.01	0.01	65.89	ppb	186.69	26.97	3600	
Pb	208	165	2	0.04	0.04	14.96	ppb	1133.47	5.39	3600	
Th	232	165	2	-0.03	-0.03	-3.98	ppb	146.68	7.87	3600	
U	238	165	2	0.02	0.02	33.17	ppb	340.04	29.41	3600	

QC ISTD Table

Element	m/z	Tune Step	CPS	%RSD	Ref CPS	%Rec	Lower Limit	Upper Limit	QC Flag
Li6	6	1	805558	1.71	1373007	58.7	60	125	IS Main Failed
Sc (IS)	45	2	633402	0.44	1062732	59.6	60	125	IS Main Failed
Ge (IS)	72	1	12516671	1.32	19161317	65.3	60	125	
Ge (IS)	72	2	909042	1.10	1405307	64.7	60	125	
115In	115	2	3081805	0.86	4244795	72.6	60	125	
Ho-165	165	2	19916049	0.46	25189102	79.1	60	125	

TuneStep	TuneFile	TuneDate
1	h2_hmi.u	5/1/2012 10:52:00 PM
2	he_hmi.u	5/1/2012 10:52:00 PM

Sample Report

Sample Name	280-28141-F-1-C MS
Data File Name	185SMPL.D
DataPath	d:\DATA\050112a.B
Acq Date Time	2012-05-01T22:56:33-06:00
Type	Sample
VialNumber	3108
Dilution	1
Comment	117259 6020
Operator	LMT
ISTDRefDataFileName	149CALB.D
SamplePassFail	Fail
ISTD PassFail	Pass

QC Analyte Table

Element	m/z	ISTD	Tune Step	Meas Value	FinalConc	%RSD	Units	CPS	CPS %RSD	High Value	QC Flag
Be	9	6	1	39.69	39.69	2.75	ppb	7579.98	2.48	3600	
Na	23	45	2	26035.79	26035.79	3.00	ppb	3693051.82	1.52	1800000	
Mg	24	45	2	5447.89	5447.89	3.94	ppb	313265.40	2.53	450000	
Al	27	45	2	1.09	1.09	256.47	ppb	26.67	114.56	450000	
K	39	45	2	3298.39	3298.39	4.15	ppb	86184.76	2.64	180000	
Ca	44	45	2	22258.99	22258.99	4.85	ppb	31562.73	3.74	450000	
V	51	72	2	37.43	37.43	2.00	ppb	29866.00	1.06	3600	
Cr	52	72	2	38.94	38.94	3.93	ppb	43955.41	2.32	3600	
Mn	55	72	2	39.85	39.85	6.17	ppb	15388.01	6.99	3600	
Fe	57	72	2	20.97	20.97	11.09	ppb	600.07	10.00	90000	
Co	59	72	2	39.66	39.66	2.90	ppb	92860.88	1.34	3600	
Ni	60	72	2	40.15	40.15	0.54	ppb	27543.22	1.21	3600	
Cu	63	72	2	40.19	40.19	2.68	ppb	81621.56	1.05	3600	
Zn	66	72	2	34.04	34.04	5.08	ppb	6148.19	6.32	3600	
As	75	72	2	36.01	36.01	6.46	ppb	3320.45	7.08	3600	
Se	78	72	1	34.28	34.28	3.16	ppb	11687.93	3.32	3600	
Nb	93	72	2	-0.02	-0.02	-162.04	ppb	266.69	33.82	7200	
Mo	95	115	2	38.58	38.58	3.21	ppb	34375.95	3.44	3600	
Pd	105	115	2	-0.01	-0.01	-120.77	ppb	20.00	100.00	3600	
Ag	107	115	2	38.70	38.70	4.48	ppb	152724.90	2.52	900	
Cd	111	115	2	38.52	38.52	6.94	ppb	14180.48	5.01	3600	
Sn	120	115	2	41.90	41.90	1.06	ppb	36554.49	2.90	3600	
Sb	121	115	2	41.01	41.01	4.56	ppb	21762.08	2.64	3600	
Ba	137	115	2	52.35	52.35	3.45	ppb	10757.61	1.94	3600	
W	182	165	2	0.02	0.02	151.02	ppb	906.77	14.69	3600	
Pt	195	165	2	0.01	0.01	214.04	ppb	60.01	88.20	3600	
Tl	205	165	2	42.90	42.90	4.20	ppb	353839.11	2.32	3600	
Pb	208	165	2	42.72	42.72	3.37	ppb	447523.52	1.79	3600	
Th	232	165	2	42.96	42.96	3.86	ppb	431372.16	2.05	3600	
U	238	165	2	45.81	45.81	3.00	ppb	557652.82	1.17	3600	

QC ISTD Table

Element	m/z	Tune Step	CPS	%RSD	Ref CPS	%Rec	Lower Limit	Upper Limit	QC Flag
Li6	6	1	715727	0.96	1373007	52.1	60	125	IS Main Failed
Sc (IS)	45	2	591957	1.43	1062732	55.7	60	125	IS Main Failed
Ge (IS)	72	1	11020329	0.52	19161317	57.5	60	125	IS Main Failed
Ge (IS)	72	2	822192	1.57	1405307	58.5	60	125	IS Main Failed
115In	115	2	2886351	1.93	4244795	68.0	60	125	
Ho-165	165	2	19094184	1.84	25189102	75.8	60	125	

TuneStep	TuneFile	TuneDate
1	h2_hmi.u	5/1/2012 10:55:00 PM
2	he_hmi.u	5/1/2012 10:55:00 PM

Sample Report

Sample Name	280-28141-F-1-D MSD
Data File Name	186SMPL.D
DataPath	d:\DATA\050112a.B
Acq Date Time	2012-05-01T22:59:32-06:00
Type	Sample
VialNumber	3109
Dilution	1
Comment	117259 6020
Operator	LMT
ISTDRefDataFileName	149CALB.D
SamplePassFail	Fail
ISTD PassFail	Pass

QC Analyte Table

Element	m/z	ISTD	Tune Step	Meas Value	FinalConc	%RSD	Units	CPS	CPS %RSD	High Value	QC Flag
Be	9	6	1	44.20	44.20	26.66	ppb	7938.48	14.96	3600	
Na	23	45	2	26878.69	26878.69	7.70	ppb	3712522.55	2.20	1800000	
Mg	24	45	2	5766.38	5766.38	9.45	ppb	322768.90	4.04	450000	
Al	27	45	2	4.50	4.50	121.63	ppb	60.00	88.20	450000	
K	39	45	2	3458.27	3458.27	7.39	ppb	87985.84	1.89	180000	
Ca	44	45	2	23951.73	23951.73	12.89	ppb	33025.36	7.53	450000	
V	51	72	2	38.88	38.88	10.37	ppb	30753.12	6.55	3600	
Cr	52	72	2	39.20	39.20	12.37	ppb	43849.02	8.01	3600	
Mn	55	72	2	40.39	40.39	6.82	ppb	15474.38	4.81	3600	
Fe	57	72	2	5.45	5.45	45.01	ppb	253.36	24.12	90000	
Co	59	72	2	40.48	40.48	9.02	ppb	93999.84	4.77	3600	
Ni	60	72	2	40.98	40.98	5.69	ppb	27896.89	1.69	3600	
Cu	63	72	2	40.64	40.64	6.20	ppb	81889.27	1.92	3600	
Zn	66	72	2	38.37	38.37	10.48	ppb	6848.67	7.07	3600	
As	75	72	2	38.28	38.28	21.29	ppb	3493.84	19.17	3600	
Se	78	72	1	38.41	38.41	26.35	ppb	12251.06	12.84	3600	
Nb	93	72	2	-0.06	-0.06	-19.15	ppb	153.35	19.92	7200	
Mo	95	115	2	40.63	40.63	12.19	ppb	35712.03	6.08	3600	
Pd	105	115	2	-0.01	-0.01	-121.81	ppb	20.00	100.00	3600	
Ag	107	115	2	38.75	38.75	6.93	ppb	151281.82	2.20	900	
Cd	111	115	2	40.38	40.38	9.80	ppb	14687.58	3.96	3600	
Sn	120	115	2	43.61	43.61	13.93	ppb	37510.43	9.11	3600	
Sb	121	115	2	42.40	42.40	12.35	ppb	22203.18	6.20	3600	
Ba	137	115	2	52.99	52.99	9.36	ppb	10770.95	7.52	3600	
W	182	165	2	0.03	0.03	61.91	ppb	973.47	13.05	3600	
Pt	195	165	2	0.01	0.01	71.58	ppb	80.01	43.30	3600	
Tl	205	165	2	43.70	43.70	9.52	ppb	352157.30	3.64	3600	
Pb	208	165	2	44.32	44.32	9.73	ppb	453429.12	3.84	3600	
Th	232	165	2	46.49	46.49	11.39	ppb	455659.84	5.47	3600	
U	238	165	2	48.18	48.18	10.29	ppb	572781.15	4.42	3600	

QC ISTD Table

Element	m/z	Tune Step	CPS	%RSD	Ref CPS	%Rec	Lower Limit	Upper Limit	QC Flag
Li6	6	1	685615	10.41	1373007	49.9	60	125	IS Main Failed
Sc (IS)	45	2	577951	5.27	1062732	54.4	60	125	IS Main Failed
Ge (IS)	72	1	10533583	12.02	19161317	55.0	60	125	IS Main Failed
Ge (IS)	72	2	817147	4.06	1405307	58.1	60	125	IS Main Failed
115In	115	2	2860383	5.77	4244795	67.4	60	125	
Ho-165	165	2	18711705	5.58	25189102	74.3	60	125	

TuneStep	TuneFile	TuneDate
1	h2_hmi.u	5/1/2012 10:58:00 PM
2	he_hmi.u	5/1/2012 10:58:00 PM

Sample Report

Sample Name	280-28141-F-1-B pds
Data File Name	187SMPL.D
DataPath	d:\DATA\050112a.B
Acq Date Time	2012-05-01T23:02:31-06:00
Type	Sample
VialNumber	3110
Dilution	1
Comment	117259 6020
Operator	LMT
ISTDRefDataFileName	149CALB.D
SamplePassFail	Fail
ISTD PassFail	Pass

QC Analyte Table

Element	m/z	ISTD	Tune Step	Meas Value	FinalConc	%RSD	Units	CPS	CPS %RSD	High Value	QC Flag
Be	9	6	1	196.98	196.98	1.46	ppb	37388.53	1.54	3600	
Na	23	45	2	25688.20	25688.20	3.89	ppb	3545584.95	1.11	1800000	
Mg	24	45	2	5402.37	5402.37	4.95	ppb	302216.60	2.20	450000	
Al	27	45	2	-1.37	-1.37	0.00	ppb	0.00	#DIV/0!	450000	
K	39	45	2	3354.50	3354.50	2.35	ppb	85320.28	2.91	180000	
Ca	44	45	2	21483.05	21483.05	2.91	ppb	29652.46	2.33	450000	
V	51	72	2	186.20	186.20	3.01	ppb	144444.22	0.79	3600	
Cr	52	72	2	185.64	185.64	5.33	ppb	203339.16	3.08	3600	
Mn	55	72	2	194.80	194.80	4.29	ppb	72796.62	2.56	3600	
Fe	57	72	2	18.69	18.69	29.87	ppb	533.40	21.97	90000	
Co	59	72	2	193.87	193.87	3.03	ppb	441428.91	1.00	3600	
Ni	60	72	2	191.30	191.30	3.72	ppb	127241.51	1.46	3600	
Cu	63	72	2	192.04	192.04	4.09	ppb	375155.54	1.80	3600	
Zn	66	72	2	184.39	184.39	4.58	ppb	31643.28	2.28	3600	
As	75	72	2	185.70	185.70	10.32	ppb	16555.08	8.06	3600	
Se	78	72	1	171.52	171.52	0.76	ppb	57785.79	0.86	3600	
Nb	93	72	2	-0.04	-0.04	-62.28	ppb	213.35	30.14	7200	
Mo	95	115	2	184.14	184.14	3.23	ppb	161356.21	0.33	3600	
Pd	105	115	2	-0.01	-0.01	-125.18	ppb	20.00	100.00	3600	
Ag	107	115	2	137.51	137.51	6.89	ppb	534420.29	6.45	900	
Cd	111	115	2	183.49	183.49	6.82	ppb	66295.44	3.69	3600	
Sn	120	115	2	202.30	202.30	5.99	ppb	172240.76	2.41	3600	
Sb	121	115	2	191.70	191.70	5.80	ppb	99925.09	2.32	3600	
Ba	137	115	2	214.15	214.15	7.03	ppb	43291.48	3.69	3600	
W	182	165	2	0.03	0.03	26.46	ppb	960.12	4.17	3600	
Pt	195	165	2	0.00	0.00	615.50	ppb	40.00	86.60	3600	
Tl	205	165	2	212.32	212.32	5.12	ppb	1718247.42	2.18	3600	
Pb	208	165	2	210.76	210.76	4.72	ppb	2163790.38	1.80	3600	
Th	232	165	2	222.99	222.99	5.60	ppb	2195139.86	2.67	3600	
U	238	165	2	227.45	227.45	5.35	ppb	2716358.09	2.49	3600	

QC ISTD Table

Element	m/z	Tune Step	CPS	%RSD	Ref CPS	%Rec	Lower Limit	Upper Limit	QC Flag
Li6	6	1	711237	0.56	1373007	51.8	60	125	IS Main Failed
Sc (IS)	45	2	576193	2.77	1062732	54.2	60	125	IS Main Failed
Ge (IS)	72	1	10897142	1.09	19161317	56.9	60	125	IS Main Failed
Ge (IS)	72	2	799825	2.28	1405307	56.9	60	125	IS Main Failed
115In	115	2	2842664	3.45	4244795	67.0	60	125	
Ho-165	165	2	18746370	2.88	25189102	74.4	60	125	

TuneStep	TuneFile	TuneDate
1	h2_hmi.u	5/1/2012 11:01:00 PM
2	he_hmi.u	5/1/2012 11:01:00 PM

Continuing Calibration Verification (CCV) - US EPA Method 6020

Sample Name	ccv-1392320
Data File Name	1886CCV.D
DataPath	d:\DATA\050112a.B
Acq Date Time	2012-05-01T23:05:30-06:00
Type	6-CCV
VialNumber	1106
Dilution	1
Comment	
Operator	LMT
ISTDRefDataFileName	149CALB.D
SamplePassFail	Fail
ISTD PassFail	Pass

QC Analyte Table

Element	m/z	ISTD	Tune Step	Meas Value	%RSD	Units	CPS	CPS%RSD	Exp Value	%Rec	QC Low	QC High	QC Flag
Be	9	6	1	52.06	7.96	ppb	10684.84	2.29	50	104.1	90	110	
Na	23	45	2	4525.39	1.05	ppb	685029.86	0.32	5000	90.5	90	110	
Mg	24	45	2	4724.81	2.56	ppb	279163.58	1.79	5000	94.5	90	110	
Al	27	45	2	5117.97	1.34	ppb	56748.35	0.50	5000	102.4	90	110	
K	39	45	2	4887.07	1.69	ppb	130709.02	0.79	5000	97.7	90	110	
Ca	44	45	2	4974.20	4.14	ppb	7262.09	4.12	5000	99.5	90	110	
V	51	72	2	45.09	7.23	ppb	37611.82	7.30	50	90.2	90	110	
Cr	52	72	2	45.35	4.14	ppb	53521.28	4.32	50	90.7	90	110	
Mn	55	72	2	47.41	3.00	ppb	19111.54	3.21	50	94.8	90	110	
Fe	57	72	2	4545.18	1.70	ppb	105918.21	1.76	5000	90.9	90	110	
Co	59	72	2	46.70	2.59	ppb	114336.22	2.53	50	93.4	90	110	
Ni	60	72	2	47.40	2.15	ppb	33974.50	1.92	50	94.8	90	110	
Cu	63	72	2	50.70	2.16	ppb	107340.29	2.35	50	101.4	90	110	
Zn	66	72	2	49.07	3.59	ppb	9183.06	3.78	50	98.1	90	110	
As	75	72	2	49.06	6.97	ppb	4720.84	7.01	50	98.1	90	110	
Se	78	72	1	49.69	7.65	ppb	18021.25	3.06	50	99.4	90	110	
Nb	93	72	2	101.84	1.38	ppb	287420.00	1.63	100	101.8	90	110	
Mo	95	115	2	46.53	3.86	ppb	42941.91	4.68	50	93.1	90	110	
Pd	105	115	2	47.44	2.42	ppb	84321.36	1.37	50	94.9	90	110	
Ag	107	115	2	48.27	1.20	ppb	197406.28	1.56	50	96.5	90	110	
Cd	111	115	2	47.68	6.95	ppb	18170.92	6.04	50	95.4	90	110	
Sn	120	115	2	50.91	3.89	ppb	45917.90	4.69	50	101.8	90	110	
Sb	121	115	2	50.09	3.98	ppb	27523.75	2.93	50	100.2	90	110	
Ba	137	115	2	52.04	12.22	ppb	11071.30	11.22	50	104.1	90	110	
W	182	165	2	50.50	0.97	ppb	266566.75	1.45	50	101.0	90	110	
Pt	195	165	2	49.99	0.93	ppb	230098.17	0.72	50	100.0	90	110	
Tl	205	165	2	52.91	1.08	ppb	445786.58	0.82	50	105.8	90	110	
Pb	208	165	2	52.87	0.52	ppb	565524.60	0.97	50	105.7	90	110	
Th	232	165	2	57.94	1.51	ppb	594112.93	1.23	50	115.9	90	110	6-CCV Main Failed
U	238	165	2	54.93	0.74	ppb	683036.39	1.13	50	109.9	90	110	

QC ISTD Table

Element	m/z	Tune Step	CPS	%RSD	Ref CPS	%Rec	QC Low	QC High	QC Flag
Li6	6	1	771460	6.03	1373007	56.2	60	125	IS Main Failed
Sc (IS)	45	2	608033	1.00	1062732	57.2	60	125	IS Main Failed
Ge (IS)	72	1	11752473	4.68	19161317	61.3	60	125	
Ge (IS)	72	2	859382	0.25	1405307	61.2	60	125	
115In	115	2	2988933	1.03	4244795	70.4	60	125	
Ho-165	165	2	19496131	0.50	25189102	77.4	60	125	

TuneStep	TuneFile
1	h2_hmi.u
2	he_hmi.u

Continuing Calibration Blank (CCB) - US EPA Method 6020

Sample Name	ccb-1392356
Data File Name	1896CCB.D
DataPath	d:\DATA\050112a.B
Acq Date Time	2012-05-01T23:08:27-06:00
Type	6-CCB
VialNumber	1306
Dilution	1
Comment	
Operator	LMT
ISTDRefDataFileName	149CALB.D
SamplePassFail	Fail
ISTD PassFail	Pass

QC Analyte Table

Element	m/z	ISTD	Tune Step	Meas Value	%RSD	Units	CPS	CPS %RSD	QC High	QC Flag
Be	9	6	1	0.07	21.20	ppb	13.33	21.65	1	
Na	23	45	2	-164.39	-3.73	ppb	6961.85	12.45	20	
Mg	24	45	2	-1.74	-50.98	ppb	160.02	33.07	20	
Al	27	45	2	1.72	165.74	ppb	33.34	91.66	20	
K	39	45	2	1.80	628.82	ppb	1040.12	27.94	20	
Ca	44	45	2	10.56	280.68	ppb	33.34	124.90	20	
V	51	72	2	0.01	434.93	ppb	20.02	203.28	1	
Cr	52	72	2	-0.05	-21.16	ppb	73.34	15.75	1	
Mn	55	72	2	0.09	97.76	ppb	120.01	28.87	1	
Fe	57	72	2	0.69	320.82	ppb	153.35	32.83	20	
Co	59	72	2	0.03	167.14	ppb	100.01	105.83	1	
Ni	60	72	2	0.05	302.42	ppb	140.01	75.60	1	
Cu	63	72	2	0.01	251.15	ppb	1180.14	4.48	1	
Zn	66	72	2	0.00	-32619.15	ppb	173.35	56.92	5	
As	75	72	2	-0.05	-236.63	ppb	13.33	86.60	5	
Se	78	72	1	0.08	64.37	ppb	37.33	48.31	5	
Nb	93	72	2	0.67	22.68	ppb	2213.69	18.79	5	
Mo	95	115	2	0.05	162.36	ppb	80.01	86.60	1	
Pd	105	115	2	-0.01	-48.35	ppb	13.33	86.60	1	
Ag	107	115	2	1.01	5.40	ppb	4120.84	5.34	1	6-CCB Main Failed
Cd	111	115	2	-0.08	-111.32	ppb	20.00	173.21	1	
Sn	120	115	2	0.05	484.87	ppb	400.06	49.25	5	
Sb	121	115	2	0.22	49.71	ppb	173.35	33.31	0.2	6-CCB Main Failed
Ba	137	115	2	0.03	173.21	ppb	6.67	173.21	1	
W	182	165	2	0.05	104.28	ppb	1106.81	26.33	1	
Pt	195	165	2	0.00	67.62	ppb	53.34	21.65	1	
Tl	205	165	2	0.03	59.40	ppb	366.71	41.30	1	
Pb	208	165	2	0.04	32.31	ppb	1046.77	10.87	1	
Th	232	165	2	0.03	26.72	ppb	700.09	11.43	1	
U	238	165	2	0.06	51.41	ppb	726.76	48.17	1	

QC ISTD Table

Element	m/z	Tune Step	CPS	%RSD	Ref CPS	%Rec	QC Low	QC High	QC Flag
Li6	6	1	753471	0.85	1373007	54.9	60	125	IS Main Failed
Sc (IS)	45	2	591175	1.06	1062732	55.6	60	125	IS Main Failed
Ge (IS)	72	1	11850374	0.81	19161317	61.8	60	125	
Ge (IS)	72	2	852279	0.72	1405307	60.6	60	125	
115In	115	2	2970162	0.61	4244795	70.0	60	125	
Ho-165	165	2	19256836	0.89	25189102	76.4	60	125	

TuneStep	TuneFile
1	h2_hmi.u
2	he_hmi.u

Sample Report

Sample Name	280-28141-F-2-B
Data File Name	190SMPL.D
DataPath	d:\DATA\050112a.B
Acq Date Time	2012-05-01T23:11:27-06:00
Type	Sample
VialNumber	3111
Dilution	1
Comment	117259 6020
Operator	LMT
ISTDRefDataFileName	149CALB.D
SamplePassFail	Fail
ISTD PassFail	Pass

QC Analyte Table

Element	m/z	ISTD	Tune Step	Meas Value	FinalConc	%RSD	Units	CPS	CPS %RSD	High Value	QC Flag
Be	9	6	1	0.03	0.03	108.15	ppb	5.00	100.00	3600	
Na	23	45	2	27208.80	27208.80	2.74	ppb	3644551.92	1.31	1800000	
Mg	24	45	2	7253.33	7253.33	1.62	ppb	393993.15	0.31	450000	
Al	27	45	2	5.77	5.77	95.60	ppb	73.34	78.73	450000	
K	39	45	2	10390.34	10390.34	2.03	ppb	254490.78	0.64	180000	
Ca	44	45	2	27770.58	27770.58	1.03	ppb	37207.09	1.63	450000	
V	51	72	2	1.13	1.13	40.20	ppb	863.01	39.44	3600	
Cr	52	72	2	0.11	0.11	141.60	ppb	240.02	71.20	3600	
Mn	55	72	2	92.24	92.24	1.95	ppb	33753.96	1.36	3600	
Fe	57	72	2	6.96	6.96	42.72	ppb	273.36	22.35	90000	
Co	59	72	2	0.83	0.83	22.58	ppb	1886.92	22.84	3600	
Ni	60	72	2	1.79	1.79	8.24	ppb	1260.16	7.27	3600	
Cu	63	72	2	1.68	1.68	4.69	ppb	4267.59	3.76	3600	
Zn	66	72	2	0.84	0.84	84.20	ppb	300.04	40.00	3600	
As	75	72	2	0.00	0.00	32411.13	ppb	16.67	69.28	3600	
Se	78	72	1	0.06	0.06	108.09	ppb	25.33	65.74	3600	
Nb	93	72	2	0.44	0.44	21.08	ppb	1420.19	16.61	7200	
Mo	95	115	2	0.17	0.17	11.82	ppb	180.02	11.11	3600	
Pd	105	115	2	-0.01	-0.01	-132.43	ppb	20.00	100.00	3600	
Ag	107	115	2	0.41	0.41	14.19	ppb	1580.23	14.60	900	
Cd	111	115	2	0.07	0.07	123.58	ppb	73.34	41.66	3600	
Sn	120	115	2	0.04	0.04	196.07	ppb	373.37	20.28	3600	
Sb	121	115	2	0.24	0.24	39.40	ppb	173.35	26.65	3600	
Ba	137	115	2	17.45	17.45	13.25	ppb	3447.34	11.38	3600	
W	182	165	2	0.27	0.27	9.95	ppb	2147.01	5.92	3600	
Pt	195	165	2	0.00	0.00	328.14	ppb	46.67	89.21	3600	
Tl	205	165	2	0.02	0.02	89.46	ppb	226.69	48.60	3600	
Pb	208	165	2	0.07	0.07	44.37	ppb	1300.15	23.28	3600	
Th	232	165	2	0.59	0.59	9.20	ppb	6081.82	7.89	3600	
U	238	165	2	0.08	0.08	8.16	ppb	940.11	7.37	3600	

QC ISTD Table

Element	m/z	Tune Step	CPS	%RSD	Ref CPS	%Rec	Lower Limit	Upper Limit	QC Flag
Li6	6	1	668941	11.50	1373007	48.7	60	125	IS Main Failed
Sc (IS)	45	2	559182	1.46	1062732	52.6	60	125	IS Main Failed
Ge (IS)	72	1	10169758	11.85	19161317	53.1	60	125	IS Main Failed
Ge (IS)	72	2	781868	0.71	1405307	55.6	60	125	IS Main Failed
115In	115	2	2778746	1.93	4244795	65.5	60	125	
Ho-165	165	2	18352442	0.84	25189102	72.9	60	125	

TuneStep	TuneFile	TuneDate
1	h2_hmi.u	5/1/2012 11:10:00 PM
2	he_hmi.u	5/1/2012 11:10:00 PM

Sample Report

Sample Name	280-28141-F-3-B
Data File Name	191SMPL.D
DataPath	d:\DATA\050112a.B
Acq Date Time	2012-05-01T23:14:27-06:00
Type	Sample
VialNumber	3112
Dilution	1
Comment	117259 6020
Operator	LMT
ISTDRefDataFileName	149CALB.D
SamplePassFail	Fail
ISTD PassFail	Pass

QC Analyte Table

Element	m/z	ISTD	Tune Step	Meas Value	FinalConc	%RSD	Units	CPS	CPS%RSD	High Value	QC Flag
Be	9	6	1	0.03	0.03	99.78	ppb	5.00	100.00	3600	
Na	23	45	2	7487.60	7487.60	0.47	ppb	1033265.14	0.12	1800000	
Mg	24	45	2	8875.81	8875.81	0.66	ppb	486601.31	0.90	450000	
Al	27	45	2	0.58	0.58	584.28	ppb	20.00	173.21	450000	
K	39	45	2	2249.62	2249.62	2.02	ppb	56361.70	1.87	180000	
Ca	44	45	2	23678.69	23678.69	2.89	ppb	32023.32	3.28	450000	
V	51	72	2	1.67	1.67	23.46	ppb	1309.11	22.73	3600	
Cr	52	72	2	0.17	0.17	53.83	ppb	306.69	32.17	3600	
Mn	55	72	2	0.16	0.16	98.53	ppb	140.01	42.86	3600	
Fe	57	72	2	11.86	11.86	41.77	ppb	386.70	28.49	90000	
Co	59	72	2	0.04	0.04	70.43	ppb	120.01	50.00	3600	
Ni	60	72	2	0.56	0.56	35.84	ppb	473.39	28.76	3600	
Cu	63	72	2	0.28	0.28	41.16	ppb	1640.21	14.38	3600	
Zn	66	72	2	0.80	0.80	64.32	ppb	300.03	29.06	3600	
As	75	72	2	0.37	0.37	91.46	ppb	50.00	60.00	3600	
Se	78	72	1	0.10	0.10	46.22	ppb	40.00	36.06	3600	
Nb	93	72	2	0.14	0.14	24.37	ppb	680.07	12.82	7200	
Mo	95	115	2	0.12	0.12	82.82	ppb	140.02	62.28	3600	
Pd	105	115	2	-0.02	-0.02	0.00	ppb	0.00	#DIV/0!	3600	
Ag	107	115	2	0.49	0.49	2.72	ppb	1953.60	3.29	900	
Cd	111	115	2	0.03	0.03	835.72	ppb	60.01	145.30	3600	
Sn	120	115	2	-0.23	-0.23	-35.38	ppb	153.35	45.81	3600	
Sb	121	115	2	0.02	0.02	654.43	ppb	66.67	121.25	3600	
Ba	137	115	2	3.25	3.25	24.93	ppb	666.73	25.52	3600	
W	182	165	2	0.06	0.06	123.04	ppb	1093.48	32.54	3600	
Pt	195	165	2	0.01	0.01	79.65	ppb	60.01	33.34	3600	
Tl	205	165	2	0.00	0.00	142.63	ppb	133.35	31.23	3600	
Pb	208	165	2	0.01	0.01	115.88	ppb	753.41	15.56	3600	
Th	232	165	2	0.24	0.24	3.98	ppb	2800.54	3.11	3600	
U	238	165	2	0.12	0.12	16.71	ppb	1473.55	16.20	3600	

QC ISTD Table

Element	m/z	Tune Step	CPS	%RSD	Ref CPS	%Rec	Lower Limit	Upper Limit	QC Flag
Li6	6	1	697917	0.42	1373007	50.8	60	125	IS Main Failed
Sc (IS)	45	2	564347	0.40	1062732	53.1	60	125	IS Main Failed
Ge (IS)	72	1	10825934	0.95	19161317	56.5	60	125	IS Main Failed
Ge (IS)	72	2	800117	0.72	1405307	56.9	60	125	IS Main Failed
115In	115	2	2875088	0.91	4244795	67.7	60	125	
Ho-165	165	2	18721289	0.56	25189102	74.3	60	125	

TuneStep	TuneFile	TuneDate
1	h2_hmi.u	5/1/2012 11:13:00 PM
2	he_hmi.u	5/1/2012 11:13:00 PM

Sample Report

Sample Name	280-28141-F-4-B
Data File Name	192SMPL.D
DataPath	d:\DATA\050112a.B
Acq Date Time	2012-05-01T23:17:25-06:00
Type	Sample
VialNumber	3201
Dilution	1
Comment	117259 6020
Operator	LMT
ISTDRefDataFileName	149CALB.D
SamplePassFail	Fail
ISTD PassFail	Pass

QC Analyte Table

Element	m/z	ISTD	Tune Step	Meas Value	FinalConc	%RSD	Units	CPS	CPS %RSD	High Value	QC Flag
Be	9	6	1	0.00	0.00	#DIV/0!	ppb	0.00	#DIV/0!	3600	
Na	23	45	2	21483.91	21483.91	18.23	ppb	2842981.21	5.49	1800000	
Mg	24	45	2	6634.00	6634.00	20.91	ppb	354361.20	8.44	450000	
Al	27	45	2	3.16	3.16	93.95	ppb	46.67	65.47	450000	
K	39	45	2	7007.28	7007.28	16.41	ppb	169723.16	3.91	180000	
Ca	44	45	2	25511.51	25511.51	24.00	ppb	33520.27	11.55	450000	
V	51	72	2	0.87	0.87	37.96	ppb	677.51	35.13	3600	
Cr	52	72	2	0.13	0.13	75.91	ppb	266.69	41.31	3600	
Mn	55	72	2	1.49	1.49	32.68	ppb	626.73	23.09	3600	
Fe	57	72	2	3.94	3.94	98.09	ppb	213.35	37.89	90000	
Co	59	72	2	0.12	0.12	32.17	ppb	300.03	24.04	3600	
Ni	60	72	2	0.53	0.53	17.74	ppb	453.38	15.50	3600	
Cu	63	72	2	1.28	1.28	19.77	ppb	3560.71	7.43	3600	
Zn	66	72	2	1.99	1.99	22.97	ppb	500.05	13.86	3600	
As	75	72	2	0.56	0.56	20.64	ppb	66.67	8.66	3600	
Se	78	72	1	0.05	0.05	118.52	ppb	25.33	81.03	3600	
Nb	93	72	2	0.06	0.06	26.12	ppb	480.04	16.67	7200	
Mo	95	115	2	0.02	0.02	321.66	ppb	46.67	89.21	3600	
Pd	105	115	2	-0.02	-0.02	0.00	ppb	0.00	#DIV/0!	3600	
Ag	107	115	2	0.27	0.27	30.04	ppb	1046.80	22.15	900	
Cd	111	115	2	-0.06	-0.06	-168.56	ppb	26.67	114.57	3600	
Sn	120	115	2	-0.05	-0.05	-110.61	ppb	293.36	7.87	3600	
Sb	121	115	2	0.01	0.01	303.98	ppb	60.00	33.34	3600	
Ba	137	115	2	13.20	13.20	18.88	ppb	2640.44	11.01	3600	
W	182	165	2	0.02	0.02	235.96	ppb	880.12	14.91	3600	
Pt	195	165	2	0.00	0.00	2175.11	ppb	40.00	132.29	3600	
Tl	205	165	2	0.01	0.01	109.35	ppb	213.36	56.51	3600	
Pb	208	165	2	0.05	0.05	33.53	ppb	1160.12	4.56	3600	
Th	232	165	2	0.14	0.14	21.31	ppb	1760.24	11.81	3600	
U	238	165	2	0.02	0.02	22.00	ppb	246.69	20.41	3600	

QC ISTD Table

Element	m/z	Tune Step	CPS	%RSD	Ref CPS	%Rec	Lower Limit	Upper Limit	QC Flag
Li6	6	1	709031	8.12	1373007	51.6	60	125	IS Main Failed
Sc (IS)	45	2	559511	12.55	1062732	52.6	60	125	IS Main Failed
Ge (IS)	72	1	11115340	8.42	19161317	58.0	60	125	IS Main Failed
Ge (IS)	72	2	798990	7.66	1405307	56.9	60	125	IS Main Failed
115In	115	2	2837554	9.99	4244795	66.8	60	125	
Ho-165	165	2	18654366	10.49	25189102	74.1	60	125	

TuneStep	TuneFile	TuneDate
1	h2_hmi.u	5/1/2012 11:16:00 PM
2	he_hmi.u	5/1/2012 11:16:00 PM

Sample Report

Sample Name	280-28141-F-5-B
Data File Name	193SMPL.D
DataPath	d:\DATA\050112a.B
Acq Date Time	2012-05-01T23:20:24-06:00
Type	Sample
VialNumber	3202
Dilution	1
Comment	117259 6020
Operator	LMT
ISTDRefDataFileName	149CALB.D
SamplePassFail	Fail
ISTD PassFail	Pass

QC Analyte Table

Element	m/z	ISTD	Tune Step	Meas Value	FinalConc	%RSD	Units	CPS	CPS %RSD	High Value	QC Flag
Be	9	6	1	0.01	0.01	173.21	ppb	1.67	173.21	3600	
Na	23	45	2	-14.65	-14.65	-52.42	ppb	26774.09	4.21	1800000	
Mg	24	45	2	0.71	0.71	170.54	ppb	286.69	22.43	450000	
Al	27	45	2	0.55	0.55	605.07	ppb	20.00	173.21	450000	
K	39	45	2	-0.74	-0.74	-1796.62	ppb	933.45	35.94	180000	
Ca	44	45	2	55.83	55.83	29.43	ppb	93.34	24.74	450000	
V	51	72	2	0.02	0.02	513.23	ppb	23.70	301.22	3600	
Cr	52	72	2	0.18	0.18	57.12	ppb	320.03	34.80	3600	
Mn	55	72	2	0.00	0.00	-131744.42	ppb	80.01	43.31	3600	
Fe	57	72	2	7.56	7.56	41.59	ppb	293.37	23.95	90000	
Co	59	72	2	0.00	0.00	-390.70	ppb	26.67	114.56	3600	
Ni	60	72	2	0.16	0.16	102.99	ppb	206.69	53.30	3600	
Cu	63	72	2	0.98	0.98	19.89	ppb	3000.49	12.13	3600	
Zn	66	72	2	1.50	1.50	7.09	ppb	420.05	4.76	3600	
As	75	72	2	0.11	0.11	472.68	ppb	26.67	173.21	3600	
Se	78	72	1	0.00	0.00	982.56	ppb	9.33	89.21	3600	
Nb	93	72	2	0.01	0.01	650.10	ppb	340.04	53.91	7200	
Mo	95	115	2	0.00	0.00	-1239.94	ppb	33.34	91.66	3600	
Pd	105	115	2	-0.02	-0.02	0.00	ppb	0.00	#DIV/0!	3600	
Ag	107	115	2	0.45	0.45	14.72	ppb	1773.60	14.19	900	
Cd	111	115	2	-0.01	-0.01	-1987.85	ppb	46.67	137.77	3600	
Sn	120	115	2	-0.06	-0.06	-156.97	ppb	293.36	28.39	3600	
Sb	121	115	2	-0.05	-0.05	-167.66	ppb	26.67	173.21	3600	
Ba	137	115	2	0.23	0.23	25.62	ppb	46.67	24.75	3600	
W	182	165	2	0.01	0.01	277.57	ppb	880.13	23.06	3600	
Pt	195	165	2	0.00	0.00	-1482.21	ppb	33.33	69.28	3600	
Tl	205	165	2	0.00	0.00	-438.92	ppb	100.01	20.00	3600	
Pb	208	165	2	0.04	0.04	50.54	ppb	1053.45	19.39	3600	
Th	232	165	2	0.06	0.06	21.32	ppb	1006.79	12.93	3600	
U	238	165	2	0.00	0.00	195.27	ppb	46.67	49.49	3600	

QC ISTD Table

Element	m/z	Tune Step	CPS	%RSD	Ref CPS	%Rec	Lower Limit	Upper Limit	QC Flag
Li6	6	1	703240	0.41	1373007	51.2	60	125	IS Main Failed
Sc (IS)	45	2	565093	0.82	1062732	53.2	60	125	IS Main Failed
Ge (IS)	72	1	11141998	0.41	19161317	58.1	60	125	IS Main Failed
Ge (IS)	72	2	800416	0.76	1405307	57.0	60	125	IS Main Failed
115In	115	2	2869962	0.91	4244795	67.6	60	125	
Ho-165	165	2	18818768	0.40	25189102	74.7	60	125	

TuneStep	TuneFile	TuneDate
1	h2_hmi.u	5/1/2012 11:19:00 PM
2	he_hmi.u	5/1/2012 11:19:00 PM

TestAmerica Denver

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

ICP/MS Technical Data Review Checklist

Lab Project ID Number(s): see attached cover sheet Check Method/SOP Used: 6020/DV-MT-0018 200.8/DV-MT-0002

Review Items	--- Level 1 --- Yes	No	N/A	Level 2	Comments & Samples Affected
Tune					
1. Tune solution analyzed min. of 4 times for 6020 or 5 times for 200.8?	✓			✓	
2. Tune RSD <5%?	✓			✓	
2. Resolution ≤ 0.9 AMU full width at 10% peak height? **NOTE**: This also satisfies 200.8, 1.0 AMU at 5% peak height	✓			✓	
Initial Calibration					
1. Done with a minimum of 3 integrations of a high standard and blank?	✓			✓	
2. ICV/CCV run at beginning of run, 10% frequency, and end of run? Results with 10% of expected value?	✓			✓	
3. ICB/CCB run at beginning of run, 10% frequency, and end of run? Results +/- RL	✓			✓	
4. ICSA/AB analyzed at beginning of run and every 12 hours and results 80-120% of TV?	✓			✓	
5. RL Std analyzed at beginning of run and results +/- 50% of TV(for AFCEE 4.0, DoD V3 +/- 20% of true value)?	✓			✓	
Client Samples & QC Sample Results					
1. Were all samples within linear range, ≤ 90% of LDR for 200.8?	✓			✓	
2. Dilutions due to target elements?___ Dilutions for other reasons?___	✓			✓	
3. All reported results bracketed by in control QC?	✓			✓	
4. All 6020 internal standards for all analyses 30-120% of intensities in blank or all 200.8 internal standards 60-125%?	✓			✓	
5. Was a 5X serial dilution analyzed for 6020 and, if so, are results ± 10% of original result, if original ≥ 100x MDL?	✓			✓	
6. LCS included in batch and within QC limits?	✓			✓	
7. Method blank included and <1/2RL?	✓			✓	
8. MS and MSD included in batch?	✓			✓	
9. PDS analyzed and recovery 75-125%?	✓			✓	
10. Manual calculations documented properly and checked?	✓			✓	
11. Are non-conformances documented on an NCM?	✓			✓	
12. Is the appropriate raw data included?	✓			✓	
13. Are all results manually entered into LIMS verified? Are all electronic data files archived to the appropriate network locations?	✓			✓	
14. Were special client requirements met?	✓			✓	

1st Level Reviewer: Cm Tidd Date: 5/2/12 200.8 batch LA

2nd Level Reviewer: [signature] Date: 5/4/12 6020 batch 117880

QC Tune Report

Data File: C:\ICPMH\1\7500\QCTUNE.D
Date Acquired: 2 May 2012 11:31:47 am
Operator: LMT
Misc Info:
Vial Number: 2501
Current Method: C:\ICPMH\1\METHODS\EPA_Tune.m

Minimum Response(CPS)

Element	Actual	Required	Flag

RSD (%)

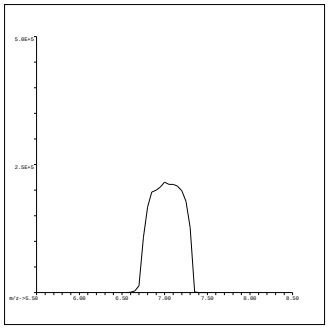
Element	Actual	Required	Flag
7 Li	0.89	5.00	
9 Be	1.10	5.00	
24 Mg	1.42	5.00	
25 Mg	2.56	5.00	
26 Mg	1.47	5.00	
59 Co	2.38	5.00	
103 Rh	0.50	5.00	
115 In	0.62	5.00	
205 Tl	1.81	5.00	
206 Pb	1.94	5.00	
207 Pb	2.43	5.00	
208 Pb	1.38	5.00	
238 U	1.18	5.00	

Ion Ratio

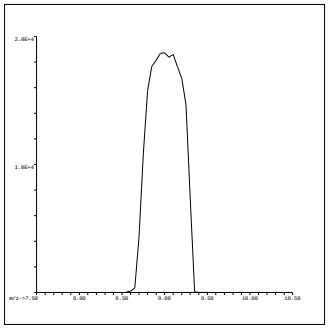
Element	Actual	Required	Flag

Maximum Bkg. Count(CPS)

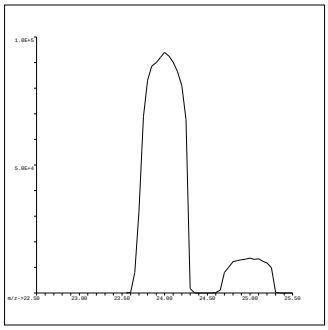
Element	Actual	Required	Flag



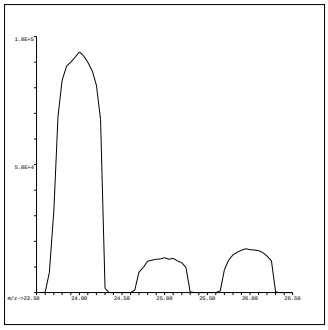
7 Li
Mass Calib.
   Actual: 7.05
   Required: 6.90-7.10
   Flag:
Peak Width
   Actual: 0.60
   Required: 0.90
   Flag:



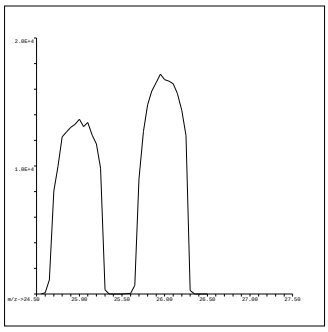
9 Be
Mass Calib.
   Actual: 9.00
   Required: 8.90-9.10
   Flag:
Peak Width
   Actual: 0.60
   Required: 0.90
   Flag:



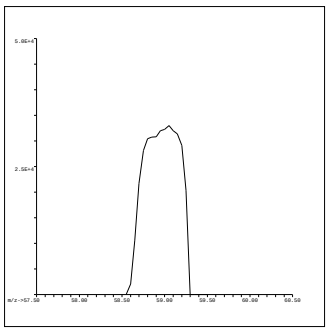
24 Mg
Mass Calib.
   Actual: 24.00
   Required: 23.90-24.10
   Flag:
Peak Width
   Actual: 0.60
   Required: 0.90
   Flag:



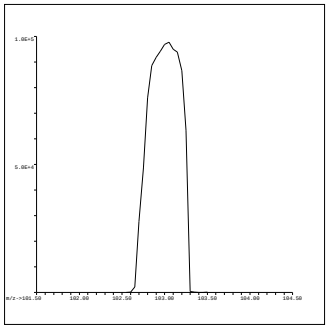
25 Mg
Mass Calib.
   Actual: 25.00
   Required: 24.90-25.10
   Flag:
Peak Width
   Actual: 0.60
   Required: 0.90
   Flag:



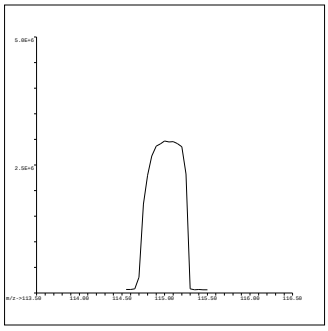
26 Mg
Mass Calib.
   Actual: 26.00
   Required: 25.90-26.10
   Flag:
Peak Width
   Actual: 0.55
   Required: 0.90
   Flag:



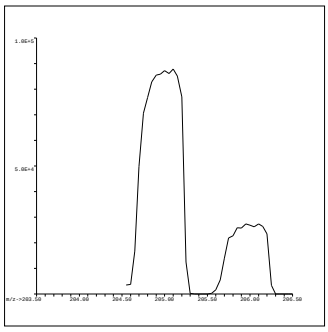
59 Co
Mass Calib.
   Actual: 59.05
   Required: 58.90-59.10
   Flag:
Peak Width
   Actual: 0.65
   Required: 0.90
   Flag:



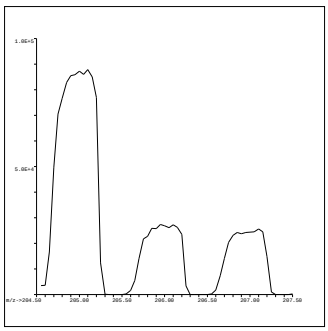
103 Rh
Mass Calib.
   Actual: 103.05
   Required: 102.90-103.10
   Flag:
Peak Width
   Actual: 0.55
   Required: 0.90
   Flag:



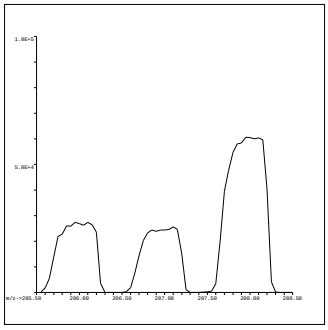
115 In
Mass Calib.
   Actual: 115.05
   Required: 114.90-115.10
   Flag:
Peak Width
   Actual: 0.55
   Required: 0.90
   Flag:



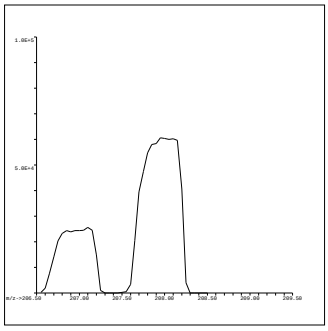
205 Tl
Mass Calib.
   Actual: 205.00
   Required: 204.90-205.10
   Flag:
Peak Width
   Actual: 0.60
   Required: 0.90
   Flag:



206 Pb
Mass Calib.
   Actual: 206.05
   Required: 205.90-206.10
   Flag:
Peak Width
   Actual: 0.65
   Required: 0.90
   Flag:

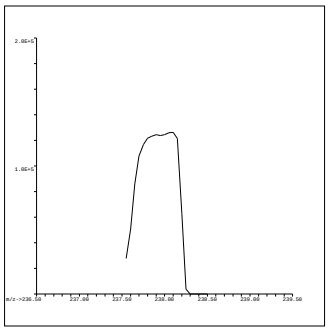


207 Pb
Mass Calib.
   Actual: 207.05
   Required: 206.90-207.10
   Flag:
Peak Width
   Actual: 0.60
   Required: 0.90
   Flag:



208 Pb
Mass Calib.
   Actual: 208.05
   Required: 207.90-208.10
   Flag:
Peak Width
   Actual: 0.65
   Required: 0.90
   Flag:

d:\DATA\050212.B\QCTUNE00.D



238 U
Mass Calib.
   Actual: 238.00
   Required: 237.90-238.10
   Flag:
Peak Width
   Actual: 0.65
   Required: 0.90
   Flag:

QC Tune Result:Pass

d:\DATA\050212.B\QCTUNE00.D

Replicated Data: Tune #1

Mass	Count(CPS)				
7	114395.10	113577.70	111052.80	111996.60	111756.60
9	9982.15	9892.06	9744.54	9944.72	9946.72
24	49656.88	49571.15	48433.87	47993.95	48433.87
25	7348.15	7349.67	7260.13	7136.55	7117.53
26	8988.41	8917.90	8818.87	9070.06	9006.03

Replicated Data: Tune #2

Mass	Count(CPS)				
59	18194.91	18421.27	18191.81	18287.09	18153.93
103	48163.76	47659.32	48157.01	48453.90	48299.50
115	1512336.00	1517755.00	1513213.00	1527333.00	1513583.00
205	45368.83	45414.90	45307.54	46242.60	45488.15
206	14032.77	13889.51	13891.56	13903.57	14013.77
207	12656.77	12639.74	12847.99	12679.72	12961.12
208	31100.51	31126.73	31729.76	31304.25	31739.85
238	72535.55	72104.56	72704.22	71949.45	72522.91

Sample Report

Sample Name	rinse-1394889
Data File Name	002SMPL.D
DataPath	d:\DATA\050212.B
Acq Date Time	2012-05-02T11:36:10-06:00
Type	Sample
VialNumber	1307
Dilution	1
Comment	
Operator	LMT
ISTDRefDataFileName	
SamplePassFail	Pass
ISTD PassFail	Pass

TuneStep	TuneFile	TuneDate
1	h2_hmi.u	5/2/2012 11:34:00 AM
2	he_hmi.u	5/2/2012 11:34:00 AM

Calibration Blank Report

Sample Name	icis
Data File Name	003CALB.D
DataPath	d:\DATA\050212.B
Acq Date Time	2012-05-02T11:39:05-06:00
Type	CalBlk
VialNumber	2101
Dilution	1
Comment	
Operator	LMT

QC Analyte Table

Element	m/z	ISTD	Tune Step	CPS	%RSD
Be	9	6	1	0	#DIV/0!
Na	23	45	2	5808	9.90
Mg	24	45	2	133	22.92
Al	27	45	2	33	34.64
K	39	45	2	1920	14.02
Ca	44	45	2	27	114.57
Cr	52	72	2	100	0.00
Mn	55	72	2	107	47.19
Fe	57	72	2	113	44.42
Co	59	72	2	27	114.57
Ni	60	72	2	200	36.06
Cu	63	72	2	1554	22.90
Zn	66	72	2	260	39.97
As	75	72	2	10	0.00
Se	78	72	1	17	26.65
Nb	93	72	2	173	29.04
Mo	95	115	2	0	#DIV/0!
Pd	105	115	2	13	86.60
Ag	107	115	2	40	50.01
Cd	111	115	2	0	#DIV/0!
Sn	120	115	2	187	49.49
Sb	121	115	2	33	91.66
Ba	137	115	2	0	#DIV/0!
W	182	165	2	827	17.16
Pt	195	165	2	53	43.31
Tl	205	165	2	60	0.01
Pb	208	165	2	880	29.02
Th	232	165	2	267	33.82
U	238	165	2	33	124.90

QC ISTD Table

Element	m/z	Tune Step	CPS	%RSD
Li6	6	1	1351330	2.09
Sc (IS)	45	2	801966	1.58
Ge (IS)	72	1	22017207	1.05
Ge (IS)	72	2	1147692	0.56
115In	115	2	3129797	0.59
Ho-165	165	2	18911181	0.63

TuneStep	TuneFile	TuneDate
1	h2_hmi.u	5/2/2012 11:37:00 AM
2	he_hmi.u	5/2/2012 11:37:00 AM

Calibration Standard Report

Sample Name	cal-1394861
Data File Name	004CALS.D
DataPath	d:\DATA\050212.B
Acq Date Time	2012-05-02T11:42:02-06:00
Type	CalStd
VialNumber	2102
Dilution	1
Comment	
Operator	LMT
ISTDRefDataFileName	003CALB.D
ISTD PassFail	Pass

QC Analyte Table

Element	m/z	ISTD	Tune Step	CPS	%RSD
Be	9	6	1	44066	1.38
Na	23	45	2	1918270	0.31
Mg	24	45	2	774743	0.82
Al	27	45	2	142109	1.02
K	39	45	2	337464	0.39
Ca	44	45	2	17917	5.51
V	51	72	2	107261	1.52
Cr	52	72	2	155058	1.16
Mn	55	72	2	45413	1.82
Fe	57	72	2	307161	1.95
Co	59	72	2	311420	0.66
Ni	60	72	2	93760	2.26
Cu	63	72	2	279797	1.11
Zn	66	72	2	25847	5.32
As	75	72	2	13159	1.36
Se	78	72	1	61622	0.60
Nb	93	72	2	724512	0.66
Mo	95	115	2	108007	0.75
Pd	105	115	2	200618	1.54
Ag	107	115	2	421855	0.24
Cd	111	115	2	41780	0.70
(Cd)	114	115	2	108842	1.01
Sn	120	115	2	92572	0.97
Sb	121	115	2	68339	0.43
Ba	137	115	2	21088	4.04
W	182	165	2	534348	0.33
Pt	195	165	2	495891	0.60
Tl	205	165	2	838639	1.39
Pb	208	165	2	1062883	0.73
Th	232	165	2	1031945	0.88
U	238	165	2	1265050	1.19

QC ISTD Table

Element	m/z	Tune Step	CPS	%RSD	Reference CPS	%Recovery	Lower Limit	Upper Limit	QC Flag
Li6	6	1	1339824	1.30	1351330	99.1	60	125	
Sc (IS)	45	2	811543	0.94	801966	101.2	60	125	
Ge (IS)	72	1	21936238	0.33	22017207	99.6	60	125	
Ge (IS)	72	2	1146951	0.61	1147692	99.9	60	125	
115In	115	2	3173854	0.66	3129797	101.4	60	125	
Ho-165	165	2	18844726	0.37	18911181	99.6	60	125	

TuneStep	TuneFile	TuneDate
1	h2_hmi.u	5/2/2012 11:40:00 AM
2	he_hmi.u	5/2/2012 11:40:00 AM

Initial Calibration Verification (ICV) - US EPA Method 6020

Sample Name	icv-1394869
Data File Name	005_ICV.D
DataPath	d:\DATA\050212.B
Acq Date Time	2012-05-02T11:44:59-06:00
Type	6-ICV
VialNumber	2103
Dilution	1
Comment	
Operator	LMT
ISTDRefDataFileName	003CALB.D
SamplePassFail	Pass
ISTD PassFail	Pass

QC Analyte Table

Element	m/z	ISTD	Tune Step	Meas Value	%RSD	Units	CPS	CPS%RSD	Exp Value	%Rec	QC Low	QC High	QC Flag
Be	9	6	1	40.50	2.28	ppb	18128.83	0.93	40	101.3	90	110	
Na	23	45	2	3816.84	1.90	ppb	737860.77	1.31	4000	95.4	90	110	
Mg	24	45	2	3912.90	1.06	ppb	304078.25	0.26	4000	97.8	90	110	
Al	27	45	2	3965.84	2.65	ppb	56542.29	2.67	4000	99.1	90	110	
K	39	45	2	3839.10	0.52	ppb	131128.21	0.90	4000	96.0	90	110	
Ca	44	45	2	3936.34	3.38	ppb	7088.66	4.32	4000	98.4	90	110	
V	51	72	2	39.07	4.33	ppb	42537.59	4.34	40	97.7	90	110	
Cr	52	72	2	39.86	3.87	ppb	62824.88	3.75	40	99.6	90	110	
Mn	55	72	2	42.67	2.46	ppb	19745.61	2.57	40	106.7	90	110	
Fe	57	72	2	3724.67	1.07	ppb	116265.45	1.05	4000	93.1	90	110	
Co	59	72	2	40.92	1.30	ppb	129429.20	1.25	40	102.3	90	110	
Ni	60	72	2	42.05	2.49	ppb	40167.08	2.38	40	105.1	90	110	
Cu	63	72	2	41.33	2.76	ppb	118355.92	2.65	40	103.3	90	110	
Zn	66	72	2	40.77	2.27	ppb	10857.67	2.15	40	101.9	90	110	
As	75	72	2	43.39	1.66	ppb	5804.51	1.76	40	108.5	90	110	
Se	78	72	1	39.88	0.76	ppb	25014.92	1.03	40	99.7	90	110	
Nb	93	72	2	79.65	1.49	ppb	293161.55	1.39	80	99.6	90	110	
Mo	95	115	2	39.20	2.67	ppb	42714.51	3.02	40	98.0	90	110	
Pd	105	115	2	41.00	2.93	ppb	82960.82	1.90	40	102.5	90	110	
Ag	107	115	2	39.60	2.08	ppb	168508.04	1.04	40	99.0	90	110	
Cd	111	115	2	39.52	3.24	ppb	16655.95	3.02	40	98.8	90	110	
Sn	120	115	2	39.99	0.25	ppb	37462.94	0.93	40	100.0	90	110	
Sb	121	115	2	38.13	2.54	ppb	26301.93	1.52	40	95.3	90	110	
Ba	137	115	2	40.55	6.90	ppb	8623.14	5.80	40	101.4	90	110	
W	182	165	2	40.49	0.62	ppb	219615.81	1.06	40	101.2	90	110	
Pt	195	165	2	39.92	1.33	ppb	200536.22	1.56	40	99.8	90	110	
Tl	205	165	2	39.92	1.63	ppb	339132.58	1.53	40	99.8	90	110	
Pb	208	165	2	40.32	1.65	ppb	434612.49	1.35	40	100.8	90	110	
Th	232	165	2	39.55	0.84	ppb	413514.37	0.64	40	98.9	90	110	
U	238	165	2	38.52	1.05	ppb	493530.29	0.63	40	96.3	90	110	

QC ISTD Table

Element	m/z	Tune Step	CPS	%RSD	Ref CPS	%Rec	QC Low	QC High	QC Flag
Li6	6	1	1361149	1.36	1351330	100.7	60	125	
Sc (IS)	45	2	813836	1.20	801966	101.5	60	125	
Ge (IS)	72	1	22317504	1.17	22017207	101.4	60	125	
Ge (IS)	72	2	1164857	0.13	1147692	101.5	60	125	
115In	115	2	3201651	1.11	3129797	102.3	60	125	
Ho-165	165	2	19086252	0.46	18911181	100.9	60	125	

TuneStep	TuneFile
1	h2_hmi.u
2	he_hmi.u

Initial Calibration Blank (ICB) - US EPA Method 200.8

Sample Name	icb-1394903
Data File Name	006_ICB.D
DataPath	d:\DATA\050212.B
Acq Date Time	2012-05-02T11:47:55-06:00
Type	6-ICB
VialNumber	2104
Dilution	1
Comment	
Operator	LMT
ISTDRefDataFileName	003CALB.D
SamplePassFail	Fail
ISTD PassFail	Pass

QC Analyte Table

Element	m/z	ISTD	Tune Step	Meas Value	%RSD	Units	CPS	CPS%RSD	QC High	QC Flag
Be	9	6	1	0.01	101.38	ppb	5.00	100.00	1	
Na	23	45	2	-1.88	-196.91	ppb	5507.92	11.40	20	
Mg	24	45	2	-0.28	-148.78	ppb	113.34	26.95	20	
Al	27	45	2	-0.50	-157.87	ppb	26.67	43.30	20	
K	39	45	2	5.53	23.51	ppb	2126.96	1.09	20	
Ca	44	45	2	10.84	154.67	ppb	46.67	65.47	20	
V	51	72	2	0.01	297.82	ppb	-21.28	-215.00	1	
Cr	52	72	2	-0.03	-126.65	ppb	53.34	114.57	1	
Mn	55	72	2	-0.13	-49.56	ppb	46.67	65.47	1	
Fe	57	72	2	-0.47	-1.29	ppb	100.01	0.00	20	
Co	59	72	2	0.01	60.76	ppb	60.01	33.34	1	
Ni	60	72	2	0.02	120.82	ppb	220.03	9.09	1	
Cu	63	72	2	-0.04	-131.28	ppb	1473.52	9.24	1	
Zn	66	72	2	0.12	342.54	ppb	293.36	34.99	5	
As	75	72	2	0.05	318.83	ppb	16.67	124.90	5	
Se	78	72	1	0.02	54.66	ppb	32.00	25.00	5	
Nb	93	72	2	0.55	19.20	ppb	2213.69	17.86	5	
Mo	95	115	2	0.10	28.68	ppb	106.68	28.65	1	
Pd	105	115	2	0.06	27.32	ppb	140.02	24.74	1	
Ag	107	115	2	0.00	211.29	ppb	60.01	66.67	1	
Cd	111	115	2	0.09	49.92	ppb	40.00	50.01	1	
(Cd)	114	115	2	0.05	204.65	ppb	120.02	88.20	1	
Sn	120	115	2	0.10	156.62	ppb	286.70	52.37	5	
Sb	121	115	2	0.77	26.32	ppb	566.74	24.79	0.2	6-ICB Main Failed
Ba	137	115	2	0.00	#DIV/0!	ppb	0.00	#DIV/0!	1	
W	182	165	2	0.07	51.86	ppb	1240.18	16.99	1	
Pt	195	165	2	0.01	196.60	ppb	86.67	74.18	1	
Tl	205	165	2	0.04	16.53	ppb	380.04	13.93	1	
Pb	208	165	2	0.03	25.45	ppb	1233.47	6.75	1	
Th	232	165	2	0.07	20.71	ppb	1006.79	14.91	1	
U	238	165	2	0.02	58.15	ppb	293.37	51.63	1	

QC ISTD Table

Element	m/z	Tune Step	CPS	%RSD	Ref CPS	%Rec	QC Low	QC High	QC Flag
Li6	6	1	1360879	2.15	1351330	100.7	60	125	
Sc (IS)	45	2	810602	1.44	801966	101.1	60	125	
Ge (IS)	72	1	22112221	0.09	22017207	100.4	60	125	
Ge (IS)	72	2	1164226	0.19	1147692	101.4	60	125	
115In	115	2	3207734	0.14	3129797	102.5	60	125	
Ho-165	165	2	19099182	0.37	18911181	101.0	60	125	

TuneStep	TuneFile	TuneDate
1	h2_hmi.u	5/2/2012 11:46:00 AM
2	he_hmi.u	5/2/2012 11:46:00 AM

Low Level Continuing Calibration Verification (LLCCV) - US EPA Method 6020

Sample Name	icvl-1394870
Data File Name	007RLIV.D
DataPath	d:\DATA\050212.B
Acq Date Time	2012-05-02T11:50:52-06:00
Type	ICVL
VialNumber	1102
Dilution	1
Comment	
Operator	LMT
ISTDRefDataFileName	003CALB.D
SamplePassFail	Fail
ISTD PassFail	Pass

QC Analyte Table

Element	m/z	ISTD	Tune Step	Meas Value	%RSD	Units	CPS	CPS%RSD	Exp Value	%Rec	QC Low	QC High	QC Flag
Be	9	6	1	1.01	9.61	ppb	455.01	10.82	1	101.1	70	130	
Na	23	45	2	46.19	10.48	ppb	14707.00	6.30	50	92.4	70	130	
Mg	24	45	2	49.92	7.26	ppb	4000.75	7.00	50	99.8	70	130	
Al	27	45	2	29.07	44.96	ppb	446.71	41.61	30	96.9	70	130	
K	39	45	2	104.69	15.23	ppb	5454.58	9.79	100	104.7	70	130	
Ca	44	45	2	66.90	117.49	ppb	146.69	95.78	50	133.8	70	130	ICVL Main Failed
V	51	72	2	5.06	20.77	ppb	5420.81	20.96	5	101.3	70	130	
Cr	52	72	2	2.07	21.17	ppb	3320.61	20.46	2	103.5	70	130	
Mn	55	72	2	1.38	15.56	ppb	733.43	13.45	1	137.7	70	130	ICVL Main Failed
Fe	57	72	2	54.36	27.03	ppb	1786.90	24.64	50	108.7	70	130	
Co	59	72	2	1.09	1.74	ppb	3420.59	1.17	1	108.6	70	130	
Ni	60	72	2	2.09	16.51	ppb	2166.97	14.31	2	104.7	70	130	
Cu	63	72	2	2.18	15.66	ppb	7655.65	13.21	2	109.1	70	130	
Zn	66	72	2	9.40	6.16	ppb	2673.78	5.61	10	94.0	70	130	
As	75	72	2	5.33	1.19	ppb	713.37	0.81	5	106.6	70	130	
Se	78	72	1	4.99	1.18	ppb	3101.66	1.81	5	99.8	70	130	
Nb	93	72	2	0.28	10.04	ppb	1200.16	8.66	40	0.7	70	130	ICVL Main Failed
Mo	95	115	2	2.10	11.17	ppb	2287.02	11.25	2	104.8	70	130	
Pd	105	115	2	0.01	291.42	ppb	33.34	173.21	1	1.0	70	130	ICVL Main Failed
Ag	107	115	2	5.29	1.16	ppb	22576.49	0.32	5	105.8	70	130	
Cd	111	115	2	1.09	29.59	ppb	460.06	28.51	1	109.2	70	130	
Sn	120	115	2	10.50	3.63	ppb	9990.54	2.72	10	105.0	70	130	
Sb	121	115	2	2.12	18.61	ppb	1493.54	17.43	2	105.8	70	130	
Ba	137	115	2	1.06	11.19	ppb	226.69	10.19	1	106.5	70	130	
W	182	165	2	0.01	241.88	ppb	893.45	16.95	5	0.2	70	130	ICVL Main Failed
Pt	195	165	2	0.00	-5932.86	ppb	53.34	78.07	1	0.0	70	130	ICVL Main Failed
Tl	205	165	2	1.06	4.75	ppb	9036.73	4.14	1	106.0	70	130	
Pb	208	165	2	1.07	7.24	ppb	12396.58	7.02	1	107.3	70	130	
Th	232	165	2	1.95	5.03	ppb	20615.19	4.23	2	97.6	70	130	
U	238	165	2	1.04	4.78	ppb	13280.13	4.72	1	103.7	70	130	

QC ISTD Table

Element	m/z	Tune Step	CPS	%RSD	Ref CPS	%Rec	QC Low	QC High	QC Flag
Li6	6	1	1367317	1.54	1351330	101.2	60	125	
Sc (IS)	45	2	811201	0.03	801966	101.2	60	125	
Ge (IS)	72	1	22005011	1.23	22017207	99.9	60	125	
Ge (IS)	72	2	1151472	0.74	1147692	100.3	60	125	
115In	115	2	3206956	1.21	3129797	102.5	60	125	
Ho-165	165	2	19038041	0.90	18911181	100.7	60	125	

TuneStep	TuneFile
1	h2_hmi.u
2	he_hmi.u

Reporting
Limit Standard (RLSTD)

Sample Name	cri-1394886
Data File Name	008_RL.D
DataPath	d:\DATA\050212.B
Acq Date Time	2012-05-02T11:53:48-06:00
Type	RLSTD
VialNumber	2105
Dilution	1
Comment	
Operator	LMT
ISTDRefDataFileName	003CALB.D
SamplePassFail	Fail
ISTD PassFail	Pass

QC Analyte Table

Element	m/z	ISTD	Tune Step	Meas Value	%RSD	Units	CPS	CPS%RSD	Exp Value	%Rec	QC Low	QC High	QC Flag
Be	9	6	1	1.05	20.96	ppb	456.68	19.90	1	105.1	80	120	
Na	23	45	2	105.59	4.54	ppb	26106.83	3.60	100	105.6	80	120	
Mg	24	45	2	105.12	2.48	ppb	8289.18	2.78	100	105.1	80	120	
Al	27	45	2	110.58	7.06	ppb	1606.89	6.86	100	110.6	80	120	
K	39	45	2	103.22	13.54	ppb	5414.62	8.82	100	103.2	80	120	
Ca	44	45	2	156.05	10.17	ppb	306.70	9.97	100	156.1	80	120	RLSTD Main Failed
V	51	72	2	1.02	18.14	ppb	1079.78	19.07	1	102.4	80	120	
Cr	52	72	2	1.01	11.70	ppb	1693.57	11.47	1	101.1	80	120	
Mn	55	72	2	1.07	28.54	ppb	600.07	23.33	1	106.9	80	120	
Fe	57	72	2	102.81	8.24	ppb	3320.57	7.83	100	102.8	80	120	
Co	59	72	2	1.11	2.78	ppb	3527.34	2.80	1	110.7	80	120	
Ni	60	72	2	1.11	10.06	ppb	1260.21	8.40	1	111.2	80	120	
Cu	63	72	2	1.03	26.18	ppb	4487.63	16.57	1	103.1	80	120	
Zn	66	72	2	0.91	38.62	ppb	500.04	18.33	1	91.0	80	120	
As	75	72	2	1.32	13.43	ppb	186.68	12.37	1	132.2	80	120	RLSTD Main Failed
Se	78	72	1	0.95	9.21	ppb	598.69	8.49	1	95.1	80	120	
Nb	93	72	2	2.04	3.95	ppb	7669.01	4.25	2	101.8	80	120	
Mo	95	115	2	0.90	14.87	ppb	986.79	16.51	1	89.6	80	120	
Pd	105	115	2	0.95	18.95	ppb	1953.64	19.89	1	94.9	80	120	
Ag	107	115	2	1.03	18.38	ppb	4474.29	17.67	1	103.4	80	120	
Cd	111	115	2	1.15	33.82	ppb	486.71	31.92	1	114.9	80	120	
Sn	120	115	2	1.03	20.99	ppb	1153.47	15.54	1	102.5	80	120	
Sb	121	115	2	1.18	24.16	ppb	853.44	21.27	1	118.2	80	120	
Ba	137	115	2	1.21	21.84	ppb	260.03	23.08	1	120.9	80	120	RLSTD Main Failed
W	182	165	2	1.08	6.06	ppb	6708.61	5.54	1	107.9	80	120	
Pt	195	165	2	1.01	5.72	ppb	5168.04	5.04	1	101.2	80	120	
Tl	205	165	2	1.00	3.78	ppb	8649.71	3.94	1	100.5	80	120	
Pb	208	165	2	1.03	2.89	ppb	12022.97	3.16	1	102.8	80	120	
Th	232	165	2	0.92	7.49	ppb	9910.75	6.84	1	91.7	80	120	
U	238	165	2	1.01	3.67	ppb	13120.08	4.30	1	101.5	80	120	

QC ISTD Table

Element	m/z	Tune Step	CPS	%RSD	Ref CPS	%Rec	QC Low	QC High	QC Flag
Li6	6	1	1323248	1.75	1351330	97.9	60	125	
Sc (IS)	45	2	812543	0.73	801966	101.3	60	125	
Ge (IS)	72	1	21775733	0.79	22017207	98.9	60	125	
Ge (IS)	72	2	1164843	0.50	1147692	101.5	60	125	
115In	115	2	3229533	1.81	3129797	103.2	60	125	
Ho-165	165	2	19207724	0.67	18911181	101.6	60	125	

TuneStep	TuneFile	TuneDate
1	h2_hmi.u	5/2/2012 11:52:00 AM
2	he_hmi.u	5/2/2012 11:52:00 AM

AFCEE RL Standard (AFCEERL)

Sample Name	cri-1394887
Data File Name	009AFRL.D
DataPath	d:\DATA\050212.B
Acq Date Time	2012-05-02T11:57:00-06:00
Type	AFCEERL
VialNumber	2106
Dilution	1
Comment	af cri
Operator	LMT
ISTDRefDataFileName	003CALB.D
SamplePassFail	Fail
ISTD PassFail	Pass

QC Analyte Table

Element	m/z	ISTD	Tune Step	Meas Value	%RSD	Units	CPS	CPS%RSD	Exp Value	%Rec	QC Low	QC High	QC Flag
Be	9	6	1	0.25	27.08	ppb	108.33	26.65	0.2	125.8	50	150	
Na	23	45	2	21.01	9.65	ppb	9943.45	3.49	20	105.1	50	150	
Mg	24	45	2	19.16	7.14	ppb	1626.85	6.07	20	95.8	50	150	
Al	27	45	2	15.39	35.09	ppb	253.36	29.89	20	77.0	50	150	
K	39	45	2	26.53	56.86	ppb	2847.14	17.83	20	132.6	50	150	
Ca	44	45	2	-0.31	-2053.22	ppb	26.67	43.30	20	-1.6	50	150	AFCEERL Main Failed
V	51	72	2	0.14	104.53	ppb	112.60	138.58	0.2	68.2	50	150	
Cr	52	72	2	0.12	87.57	ppb	293.36	57.18	0.2	60.5	50	150	
Mn	55	72	2	0.14	198.66	ppb	173.36	74.18	0.2	69.7	50	150	
Fe	57	72	2	19.52	25.58	ppb	726.75	21.38	20	97.6	50	150	
Co	59	72	2	0.16	8.63	ppb	546.72	8.45	0.2	81.7	50	150	
Ni	60	72	2	0.08	46.07	ppb	280.03	12.37	0.2	39.7	50	150	AFCEERL Main Failed
Cu	63	72	2	0.18	63.20	ppb	2080.28	14.99	0.2	87.5	50	150	
Zn	66	72	2	0.16	271.39	ppb	306.70	37.09	0.2	80.7	50	150	
As	75	72	2	0.02	369.13	ppb	13.33	86.60	0.2	11.6	50	150	AFCEERL Main Failed
Se	78	72	1	0.20	5.25	ppb	141.33	4.32	0.2	102.0	50	150	
Nb	93	72	2	0.45	2.78	ppb	1853.60	2.72	0.4	113.4	50	150	
Mo	95	115	2	0.19	58.23	ppb	206.69	59.13	0.2	93.3	50	150	
Pd	105	115	2	0.26	29.05	ppb	553.40	28.99	0.2	131.4	50	150	
Ag	107	115	2	0.18	20.55	ppb	833.42	19.25	0.2	91.9	50	150	
Cd	111	115	2	0.36	38.89	ppb	153.35	37.65	0.2	180.0	50	150	AFCEERL Main Failed
Sn	120	115	2	0.17	29.29	ppb	353.37	13.07	2	8.5	50	150	AFCEERL Main Failed
Sb	121	115	2	0.36	51.64	ppb	286.70	46.45	0.2	180.0	50	150	AFCEERL Main Failed
Ba	137	115	2	0.37	65.16	ppb	80.00	66.15	0.2	184.9	50	150	AFCEERL Main Failed
W	182	165	2	0.19	15.88	ppb	1853.60	8.38	0.2	92.8	50	150	
Pt	195	165	2	0.21	10.50	ppb	1133.49	9.72	0.2	106.5	50	150	
Tl	205	165	2	0.23	13.70	ppb	2040.33	13.59	0.2	115.5	50	150	
Pb	208	165	2	0.22	16.76	ppb	3287.15	12.48	0.2	110.1	50	150	
Th	232	165	2	0.20	12.20	ppb	2360.43	10.62	0.2	99.1	50	150	
U	238	165	2	0.20	11.81	ppb	2680.48	11.66	0.2	102.4	50	150	

QC ISTD Table

Element	m/z	Tune Step	CPS	%RSD	Ref CPS	%Rec	QC Low	QC High	QC Flag
Li6	6	1	1310643	0.74	1351330	97.0	60	125	
Sc (IS)	45	2	815265	0.46	801966	101.7	60	125	
Ge (IS)	72	1	21693103	0.50	22017207	98.5	60	125	
Ge (IS)	72	2	1170281	0.24	1147692	102.0	60	125	
115In	115	2	3245263	1.19	3129797	103.7	60	125	
Ho-165	165	2	19254668	0.30	18911181	101.8	60	125	

TuneStep	TuneFile
1	h2_hmi.u
2	he_hmi.u

Interference Check Sample A (ICS-A) - US EPA Method 6020

Sample Name	icsa-1391205
Data File Name	010ICSA.D
DataPath	d:\DATA\050212.B
Acq Date Time	2012-05-02T11:59:56-06:00
Type	6-ICSA
VialNumber	2107
Dilution	1
Comment	
Operator	LMT
ISTDRefDataFileName	003CALB.D
SamplePassFail	Fail
ISTD PassFail	Pass

QC Analyte Table

Element	m/z	ISTD	Tune Step	Meas Value	%RSD	Units	CPS	CPS%RSD	QC High	QC Flag
Be	9	6	1	0.04	65.50	ppb	15.00	66.67	1	
V	51	72	2	0.58	30.21	ppb	564.20	32.58	1	
Cr	52	72	2	1.33	14.56	ppb	2073.62	13.17	1	6-ICSA Main Failed
Mn	55	72	2	0.27	53.37	ppb	220.02	27.27	1	
Co	59	72	2	0.04	60.62	ppb	133.35	48.22	1	
Ni	60	72	2	0.60	16.06	ppb	733.41	10.33	1	
Cu	63	72	2	0.66	21.77	ppb	3253.92	11.69	1	
Zn	66	72	2	3.51	38.54	ppb	1106.80	28.37	1	6-ICSA Main Failed
As	75	72	2	0.43	88.51	ppb	63.33	74.62	1	
Se	78	72	1	0.04	70.56	ppb	36.00	40.06	1	
Nb	93	72	2	0.18	36.04	ppb	806.76	29.79	1	
Pd	105	115	2	0.03	85.84	ppb	66.67	69.29	1	
Ag	107	115	2	0.07	4.90	ppb	313.36	3.68	1	
Cd	111	115	2	0.69	34.56	ppb	273.36	34.58	1	
Sn	120	115	2	0.41	20.92	ppb	540.07	13.36	1	
Sb	121	115	2	0.31	57.93	ppb	233.35	50.22	1	
Ba	137	115	2	0.27	115.07	ppb	53.34	114.57	1	
W	182	165	2	0.14	14.50	ppb	1486.88	7.41	1	
Pt	195	165	2	0.01	118.11	ppb	93.34	53.93	1	
Tl	205	165	2	0.04	52.66	ppb	340.04	44.41	1	
Pb	208	165	2	0.17	12.00	ppb	2580.34	7.48	1	
Th	232	165	2	0.50	8.92	ppb	5181.32	9.05	1	
U	238	165	2	0.01	46.03	ppb	166.68	36.66	1	

QC ISTD Table

Element	m/z	Tune Step	CPS	%RSD	Ref CPS	%Rec	QC Low	QC High	QC Flag
Li6	6	1	1247234	2.04	1351330	92.3	60	125	
Sc (IS)	45	2	803737	1.35	801966	100.2	60	125	
Ge (IS)	72	1	19595624	0.53	22017207	89.0	60	125	
Ge (IS)	72	2	1099558	1.46	1147692	95.8	60	125	
115In	115	2	3002796	0.69	3129797	95.9	60	125	
Ho-165	165	2	18007896	0.84	18911181	95.2	60	125	

TuneStep	TuneFile
1	h2_hmi.u
2	he_hmi.u

Synthetic Matrix Check Spiked Sample - US EPA Method 200.8

Sample Name	ICSAB-1372208
Data File Name	011ICSB.D
DataPath	d:\DATA\050212.B
Acq Date Time	2012-05-02T12:02:52-06:00
Type	6-ICSAB
VialNumber	2108
Dilution	1
Comment	
Operator	LMT
ISTDRefDataFileName	003CALB.D
SamplePassFail	Pass
ISTD PassFail	Pass

QC Analyte Table

Element	m/z	ISTD	Tune Step	Meas Value	%RSD	Units	CPS	CPS%RSD	Exp Value	%Rec	QC Low	QC High	QC Flag
Be	9	6	1	100.13	1.46	ppb	42039.78	1.85	100	100.1	70	130	
Na	23	45	2	105106.42	1.21	ppb	19867851.37	0.40	110000	95.6	70	130	
Mg	24	45	2	105746.51	1.37	ppb	8094360.09	1.41	110000	96.1	70	130	
Al	27	45	2	110279.71	0.42	ppb	1548418.62	0.79	110000	100.3	70	130	
K	39	45	2	105924.75	1.37	ppb	3513774.01	0.94	110000	96.3	70	130	
Ca	44	45	2	111736.25	0.27	ppb	197497.56	0.77	110000	101.6	70	130	
V	51	72	2	105.13	2.91	ppb	108136.92	3.65	100	105.1	70	130	
Cr	52	72	2	106.45	1.68	ppb	158231.96	0.89	100	106.5	70	130	
Mn	55	72	2	112.36	1.42	ppb	48915.36	2.33	100	112.4	70	130	
Fe	57	72	2	108248.20	1.22	ppb	3186401.93	0.28	110000	98.4	70	130	
Co	59	72	2	102.08	1.03	ppb	304746.23	0.21	100	102.1	70	130	
Ni	60	72	2	101.64	2.29	ppb	91359.37	1.83	100	101.6	70	130	
Cu	63	72	2	101.48	0.61	ppb	272185.66	0.44	100	101.5	70	130	
Zn	66	72	2	97.00	2.33	ppb	24037.63	1.32	100	97.0	70	130	
As	75	72	2	104.56	3.86	ppb	13192.08	4.26	100	104.6	70	130	
Se	78	72	1	101.78	1.66	ppb	57647.85	1.20	100	101.8	70	130	
Nb	93	72	2	199.60	0.48	ppb	693212.49	0.70	200	99.8	70	130	
Mo	95	115	2	2205.23	1.21	ppb	2226613.09	1.39	2100	105.0	70	130	
Pd	105	115	2	99.83	0.59	ppb	187207.53	0.27	100	99.8	70	130	
Ag	107	115	2	100.84	1.46	ppb	397644.51	0.99	100	100.8	70	130	
Cd	111	115	2	99.42	0.33	ppb	38832.99	0.75	100	99.4	70	130	
Sn	120	115	2	101.80	2.29	ppb	88093.62	2.01	100	101.8	70	130	
Sb	121	115	2	105.16	2.72	ppb	67175.38	2.38	100	105.2	70	130	
Ba	137	115	2	105.15	5.32	ppb	20728.00	4.83	100	105.1	70	130	
W	182	165	2	101.18	0.59	ppb	519261.27	0.41	100	101.2	70	130	
Pt	195	165	2	95.36	1.79	ppb	454151.95	1.45	100	95.4	70	130	
Tl	205	165	2	96.51	0.56	ppb	777333.79	1.00	100	96.5	70	130	
Pb	208	165	2	96.80	1.16	ppb	988210.16	0.72	100	96.8	70	130	
Th	232	165	2	99.28	1.06	ppb	983922.54	0.90	100	99.3	70	130	
U	238	165	2	97.74	0.24	ppb	1187507.74	0.71	100	97.7	70	130	

QC ISTD Table

Element	m/z	Tune Step	CPS	%RSD	Ref CPS	%Rec	QC Low	QC High	QC Flag
Li6	6	1	1276405	0.70	1351330	94.5	60	125	
Sc (IS)	45	2	801920	1.02	801966	100.0	60	125	
Ge (IS)	72	1	20162738	0.64	22017207	91.6	60	125	
Ge (IS)	72	2	1099609	1.00	1147692	95.8	60	125	
115In	115	2	2966972	0.51	3129797	94.8	60	125	
Ho-165	165	2	18099228	0.49	18911181	95.7	60	125	

TuneStep	TuneFile
1	h2_hmi.u
2	he_hmi.u

Continuing Calibration Blank (CCB) - US EPA Method 6020

Sample Name	Carryover Check
Data File Name	0126CCB.D
DataPath	d:\DATA\050212.B
Acq Date Time	2012-05-02T12:05:49-06:00
Type	6-CCB
VialNumber	2109
Dilution	1
Comment	
Operator	LMT
ISTDRefDataFileName	003CALB.D
SamplePassFail	Fail
ISTD PassFail	Pass

QC Analyte Table

Element	m/z	ISTD	Tune Step	Meas Value	%RSD	Units	CPS	CPS %RSD	QC High	QC Flag
Be	9	6	1	0.08	33.56	ppb	36.67	34.32	1	
Na	23	45	2	31.83	40.40	ppb	12325.21	18.51	20	6-CCB Main Failed
Mg	24	45	2	26.85	53.50	ppb	2273.70	48.21	20	6-CCB Main Failed
Al	27	45	2	33.24	38.27	ppb	520.05	33.53	20	6-CCB Main Failed
K	39	45	2	25.35	47.94	ppb	2880.50	12.73	20	6-CCB Main Failed
Ca	44	45	2	13.66	42.09	ppb	53.34	21.65	20	
V	51	72	2	0.10	125.94	ppb	74.30	187.52	1	
Cr	52	72	2	0.12	10.37	ppb	293.39	7.86	1	
Mn	55	72	2	-0.05	-164.82	ppb	86.68	48.04	1	
Fe	57	72	2	29.88	45.21	ppb	1080.13	40.19	20	6-CCB Main Failed
Co	59	72	2	0.02	37.44	ppb	80.01	25.00	1	
Ni	60	72	2	0.00	-5877.74	ppb	206.69	55.88	1	
Cu	63	72	2	-0.05	-19.00	ppb	1486.86	2.06	1	
Zn	66	72	2	0.25	133.21	ppb	340.04	26.96	5	
As	75	72	2	-0.05	-82.82	ppb	3.33	173.21	5	
Se	78	72	1	0.07	90.78	ppb	62.67	63.94	5	
Nb	93	72	2	0.58	10.15	ppb	2387.02	8.27	5	
Mo	95	115	2	2.18	8.20	ppb	2427.08	5.36	1	6-CCB Main Failed
Pd	105	115	2	0.05	70.14	ppb	120.01	60.10	1	
Ag	107	115	2	0.02	23.71	ppb	146.68	15.75	1	
Cd	111	115	2	0.09	97.98	ppb	40.00	100.00	1	
Sn	120	115	2	0.11	42.45	ppb	300.03	17.64	5	
Sb	121	115	2	0.09	65.31	ppb	100.01	40.00	0.2	
Ba	137	115	2	0.13	173.21	ppb	26.67	173.21	1	
W	182	165	2	0.04	51.14	ppb	1100.16	9.45	1	
Pt	195	165	2	0.03	103.75	ppb	186.68	71.34	1	
Tl	205	165	2	0.06	14.83	ppb	600.07	14.53	1	
Pb	208	165	2	0.03	29.19	ppb	1246.82	8.84	1	
Th	232	165	2	0.08	41.87	ppb	1180.15	33.34	1	
U	238	165	2	0.04	27.50	ppb	560.07	25.00	1	

QC ISTD Table

Element	m/z	Tune Step	CPS	%RSD	Ref CPS	%Rec	QC Low	QC High	QC Flag
Li6	6	1	1430461	1.52	1351330	105.9	60	125	
Sc (IS)	45	2	837876	2.15	801966	104.5	60	125	
Ge (IS)	72	1	23248530	0.59	22017207	105.6	60	125	
Ge (IS)	72	2	1202801	1.56	1147692	104.8	60	125	
115In	115	2	3283184	3.22	3129797	104.9	60	125	
Ho-165	165	2	19678031	1.68	18911181	104.1	60	125	

TuneStep	TuneFile
1	h2_hmi.u
2	he_hmi.u

Linear Range Sample (LR)

Sample Name	lra-1305595
Data File Name	013_LR.D
DataPath	d:\DATA\050212.B
Acq Date Time	2012-05-02T12:08:46-06:00
Type	LR
VialNumber	2110
Dilution	1
Comment	
Operator	LMT
ISTDRefDataFileName	003CALB.D
SamplePassFail	Pass
ISTD PassFail	Pass

QC Analyte Table

Element	m/z	ISTD	Tune Step	Meas Value	%RSD	Units	CPS	CPS%RSD	Exp Value	%Rec	QC Low	QC High	QC Flag
Be	9	6	1	2000.59	1.33	ppb	839215.17	0.65	2000	100.0	90	110	
V	51	72	2	1986.47	1.32	ppb	1964249.40	1.64	2000	99.3	90	110	
Cr	52	72	2	4821.64	1.45	ppb	6884951.77	1.21	5000	96.4	90	110	
Mn	55	72	2	10296.57	2.10	ppb	4298834.72	1.77	10000	103.0	90	110	
Co	59	72	2	1948.71	1.62	ppb	5591597.83	1.34	2000	97.4	90	110	
Ni	60	72	2	4960.12	0.57	ppb	4276982.23	1.05	5000	99.2	90	110	
Cu	63	72	2	4912.44	1.19	ppb	12596906.89	1.25	5000	98.2	90	110	
Zn	66	72	2	4942.67	1.11	ppb	1165403.94	0.67	5000	98.9	90	110	
As	75	72	2	1997.16	0.63	ppb	241986.65	0.34	2000	99.9	90	110	
Se	78	72	1	1907.92	1.00	ppb	1119346.66	0.48	2000	95.4	90	110	
Mo	95	115	2	1984.51	0.95	ppb	2019273.30	0.56	2000	99.2	90	110	
Cd	111	115	2	2024.72	1.56	ppb	796935.28	1.11	2000	101.2	90	110	
Sn	120	115	2	2010.43	1.32	ppb	1749896.90	0.69	2000	100.5	90	110	
Sb	121	115	2	1891.33	1.03	ppb	1217093.96	0.89	2000	94.6	90	110	
Ba	137	115	2	5177.57	0.99	ppb	1028736.57	0.36	5000	103.6	90	110	
Tl	205	165	2	1970.11	0.77	ppb	16012483.93	0.56	2000	98.5	90	110	
Pb	208	165	2	4938.66	0.19	ppb	50835841.33	0.27	5000	98.8	90	110	
Th	232	165	2	1943.57	0.77	ppb	19434088.46	0.37	2000	97.2	90	110	
U	238	165	2	1979.32	0.77	ppb	24269013.80	1.17	2000	99.0	90	110	

QC ISTD Table

Element	m/z	Tune Step	CPS	%RSD	Ref CPS	%Rec	QC Low	QC High	QC Flag
Li6	6	1	1275519	1.64	1351330	94.4	60	125	
Sc (IS)	45	2	727019	0.79	801966	90.7	60	125	
Ge (IS)	72	1	20892184	1.48	22017207	94.9	60	125	
Ge (IS)	72	2	1056895	0.53	1147692	92.1	60	125	
115In	115	2	2990089	0.76	3129797	95.5	60	125	
Ho-165	165	2	18264952	0.44	18911181	96.6	60	125	

TuneStep	TuneFile
1	h2_hmi.u
2	he_hmi.u

Blank (Blank) - US EPA Method 6020

Sample Name	rinse
Data File Name	014BLNK.D
DataPath	d:\DATA\050212.B
Acq Date Time	2012-05-02T12:11:43-06:00
Type	6-Blank
VialNumber	2111
Dilution	1
Comment	
Operator	LMT
ISTDRefDataFileName	003CALB.D
SamplePassFail	Fail
ISTD PassFail	Pass

QC Analyte Table

Element	m/z	ISTD	Tune Step	Meas Value	%RSD	Units	CPS	CPS %RSD	QC High	QC Flag
Be	9	6	1	0.72	29.59	ppb	305.01	30.10	1	
Na	23	45	2	2.66	69.60	ppb	5888.07	5.46	20	
Mg	24	45	2	1.52	38.79	ppb	233.36	17.84	20	
Al	27	45	2	2.21	183.01	ppb	60.00	88.19	20	
K	39	45	2	8.25	103.66	ppb	2046.97	12.90	20	
Ca	44	45	2	-11.11	-62.99	ppb	6.67	173.21	20	
V	51	72	2	0.25	49.37	ppb	218.83	57.39	1	
Cr	52	72	2	0.43	37.01	ppb	726.76	31.90	1	
Mn	55	72	2	1.17	14.22	ppb	600.07	11.55	1	6-Blank Main Failed
Fe	57	72	2	2.07	70.01	ppb	166.69	24.98	20	
Co	59	72	2	0.19	19.70	ppb	580.06	19.20	1	
Ni	60	72	2	0.25	69.49	ppb	413.38	37.59	1	
Cu	63	72	2	0.57	12.73	ppb	2953.83	6.51	1	
Zn	66	72	2	0.75	17.62	ppb	426.71	7.16	5	
As	75	72	2	0.49	119.19	ppb	70.00	103.02	5	
Se	78	72	1	0.53	16.34	ppb	328.01	15.28	5	
Nb	93	72	2	0.14	29.08	ppb	640.07	21.88	5	
Mo	95	115	2	1.71	11.66	ppb	1766.90	11.00	1	6-Blank Main Failed
Pd	105	115	2	0.01	56.05	ppb	33.33	34.64	1	
Ag	107	115	2	0.01	251.22	ppb	60.00	88.20	1	
Cd	111	115	2	0.17	74.98	ppb	66.67	75.50	1	
Sn	120	115	2	0.86	26.77	ppb	940.12	22.22	5	
Sb	121	115	2	13.65	5.61	ppb	8956.39	6.26	0.2	6-Blank Main Failed
Ba	137	115	2	0.56	9.65	ppb	113.34	10.19	1	
W	182	165	2	0.01	350.91	ppb	866.77	20.94	1	
Pt	195	165	2	0.01	121.37	ppb	86.67	48.04	1	
Tl	205	165	2	0.36	6.57	ppb	3033.89	7.26	1	
Pb	208	165	2	0.59	3.01	ppb	7027.99	2.14	1	
Th	232	165	2	9.25	12.53	ppb	94495.32	11.70	1	6-Blank Main Failed
U	238	165	2	0.57	11.51	ppb	7215.72	12.29	1	

QC ISTD Table

Element	m/z	Tune Step	CPS	%RSD	Ref CPS	%Rec	QC Low	QC High	QC Flag
Li6	6	1	1287919	2.47	1351330	95.3	60	125	
Sc (IS)	45	2	747949	0.22	801966	93.3	60	125	
Ge (IS)	72	1	20931443	0.52	22017207	95.1	60	125	
Ge (IS)	72	2	1082837	0.35	1147692	94.3	60	125	
115In	115	2	3037757	0.67	3129797	97.1	60	125	
Ho-165	165	2	18624733	0.82	18911181	98.5	60	125	

TuneStep	TuneFile
1	h2_hmi.u
2	he_hmi.u

Continuing Calibration Verification (CCV) - US EPA Method 6020

Sample Name	ccv-1394868
Data File Name	0156CCV.D
DataPath	d:\DATA\050212.B
Acq Date Time	2012-05-02T12:14:41-06:00
Type	6-CCV
VialNumber	1107
Dilution	1
Comment	
Operator	LMT
ISTDRefDataFileName	003CALB.D
SamplePassFail	Fail
ISTD PassFail	Pass

QC Analyte Table

Element	m/z	ISTD	Tune Step	Meas Value	%RSD	Units	CPS	CPS%RSD	Exp Value	%Rec	QC Low	QC High	QC Flag
Be	9	6	1	50.09	3.87	ppb	21170.31	2.73	50	100.2	90	110	
Na	23	45	2	4848.58	0.22	ppb	863651.50	1.31	5000	97.0	90	110	
Mg	24	45	2	4894.31	2.50	ppb	350933.48	1.18	5000	97.9	90	110	
Al	27	45	2	4862.37	4.99	ppb	63952.92	4.09	5000	97.2	90	110	
K	39	45	2	4873.73	2.14	ppb	153119.86	0.76	5000	97.5	90	110	
Ca	44	45	2	5338.99	3.28	ppb	8862.96	3.72	5000	106.8	90	110	
V	51	72	2	49.97	3.24	ppb	51214.25	3.67	50	99.9	90	110	
Cr	52	72	2	49.66	0.99	ppb	73631.76	1.27	50	99.3	90	110	
Mn	55	72	2	51.67	3.12	ppb	22475.42	3.49	50	103.3	90	110	
Fe	57	72	2	4825.41	1.28	ppb	141699.35	1.50	5000	96.5	90	110	
Co	59	72	2	49.29	1.62	ppb	146702.97	1.29	50	98.6	90	110	
Ni	60	72	2	51.12	2.38	ppb	45900.72	1.92	50	102.2	90	110	
Cu	63	72	2	51.47	1.20	ppb	138347.96	0.98	50	102.9	90	110	
Zn	66	72	2	48.72	4.08	ppb	12158.37	3.55	50	97.4	90	110	
As	75	72	2	50.55	3.81	ppb	6361.40	3.71	50	101.1	90	110	
Se	78	72	1	51.69	1.80	ppb	30539.45	1.00	50	103.4	90	110	
Nb	93	72	2	97.74	1.02	ppb	338440.36	1.34	100	97.7	90	110	
Mo	95	115	2	50.74	3.42	ppb	53431.20	2.79	50	101.5	90	110	
Pd	105	115	2	49.88	3.16	ppb	97561.95	2.25	50	99.8	90	110	
Ag	107	115	2	50.89	1.87	ppb	209369.01	1.02	50	101.8	90	110	
Cd	111	115	2	49.37	5.79	ppb	20113.42	5.76	50	98.7	90	110	
Sn	120	115	2	49.74	1.29	ppb	44995.08	1.47	50	99.5	90	110	
Sb	121	115	2	54.61	3.15	ppb	36407.53	3.24	50	109.2	90	110	
Ba	137	115	2	52.67	2.96	ppb	10830.96	2.08	50	105.3	90	110	
W	182	165	2	50.40	1.74	ppb	272154.41	1.83	50	100.8	90	110	
Pt	195	165	2	50.18	2.87	ppb	251077.20	2.87	50	100.4	90	110	
Tl	205	165	2	50.89	1.25	ppb	430570.58	0.91	50	101.8	90	110	
Pb	208	165	2	50.49	1.70	ppb	541901.28	1.35	50	101.0	90	110	
Th	232	165	2	61.03	1.26	ppb	635536.10	0.92	50	122.1	90	110	6-CCV Main Failed
U	238	165	2	51.00	0.68	ppb	650971.24	0.87	50	102.0	90	110	

QC ISTD Table

Element	m/z	Tune Step	CPS	%RSD	Ref CPS	%Rec	QC Low	QC High	QC Flag
Li6	6	1	1285276	1.61	1351330	95.1	60	125	
Sc (IS)	45	2	751079	1.41	801966	93.7	60	125	
Ge (IS)	72	1	21029514	1.01	22017207	95.5	60	125	
Ge (IS)	72	2	1096062	0.46	1147692	95.5	60	125	
115In	115	2	3095021	1.15	3129797	98.9	60	125	
Ho-165	165	2	19012829	0.35	18911181	100.5	60	125	

TuneStep	TuneFile
1	h2_hmi.u
2	he_hmi.u

Continuing Calibration Blank (CCB) - US EPA Method 6020

Sample Name	ccb-1394903
Data File Name	0166CCB.D
DataPath	d:\DATA\050212.B
Acq Date Time	2012-05-02T12:17:40-06:00
Type	6-CCB
VialNumber	1307
Dilution	1
Comment	
Operator	LMT
ISTDRefDataFileName	003CALB.D
SamplePassFail	Fail
ISTD PassFail	Pass

QC Analyte Table

Element	m/z	ISTD	Tune Step	Meas Value	%RSD	Units	CPS	CPS %RSD	QC High	QC Flag
Be	9	6	1	0.09	23.27	ppb	40.00	21.65	1	
Na	23	45	2	2.83	64.55	ppb	5921.48	5.28	20	
Mg	24	45	2	2.55	33.30	ppb	306.69	19.92	20	
Al	27	45	2	2.21	183.14	ppb	60.00	88.20	20	
K	39	45	2	5.62	167.99	ppb	1966.91	14.89	20	
Ca	44	45	2	5.04	499.74	ppb	33.34	124.90	20	
V	51	72	2	0.24	25.12	ppb	210.92	30.55	1	
Cr	52	72	2	0.16	22.51	ppb	333.38	17.32	1	
Mn	55	72	2	-0.03	-498.97	ppb	86.68	87.37	1	
Fe	57	72	2	7.02	45.19	ppb	313.37	29.49	20	
Co	59	72	2	0.05	52.27	ppb	160.02	45.07	1	
Ni	60	72	2	0.01	396.03	ppb	200.02	17.32	1	
Cu	63	72	2	0.31	27.12	ppb	2293.70	10.03	1	
Zn	66	72	2	-0.28	-154.55	ppb	180.02	57.74	5	
As	75	72	2	0.03	394.16	ppb	13.33	114.56	5	
Se	78	72	1	0.08	57.35	ppb	65.33	43.00	5	
Nb	93	72	2	0.92	10.19	ppb	3360.62	10.86	5	
Mo	95	115	2	0.44	35.60	ppb	460.06	35.59	1	
Pd	105	115	2	0.06	26.44	ppb	133.34	22.91	1	
Ag	107	115	2	0.01	39.92	ppb	66.68	17.33	1	
Cd	111	115	2	0.15	57.68	ppb	60.01	57.74	1	
Sn	120	115	2	0.14	91.26	ppb	306.70	37.65	5	
Sb	121	115	2	4.25	8.70	ppb	2853.85	9.57	0.2	6-CCB Main Failed
Ba	137	115	2	0.00	#DIV/0!	ppb	0.00	#DIV/0!	1	
W	182	165	2	0.11	21.26	ppb	1406.86	9.03	1	
Pt	195	165	2	0.01	169.21	ppb	113.34	88.82	1	
Tl	205	165	2	0.10	10.48	ppb	873.44	9.25	1	
Pb	208	165	2	0.15	15.43	ppb	2486.99	9.43	1	
Th	232	165	2	0.60	21.93	ppb	6508.65	21.61	1	
U	238	165	2	0.09	8.89	ppb	1240.16	8.53	1	

QC ISTD Table

Element	m/z	Tune Step	CPS	%RSD	Ref CPS	%Rec	QC Low	QC High	QC Flag
Li6	6	1	1326450	2.38	1351330	98.2	60	125	
Sc (IS)	45	2	748441	0.19	801966	93.3	60	125	
Ge (IS)	72	1	21119192	0.53	22017207	95.9	60	125	
Ge (IS)	72	2	1094282	1.29	1147692	95.3	60	125	
115In	115	2	3080400	1.04	3129797	98.4	60	125	
Ho-165	165	2	18996008	0.55	18911181	100.4	60	125	

TuneStep	TuneFile
1	h2_hmi.u
2	he_hmi.u

Low Level Continuing Calibration Verification (LLCCV) - US EPA Method 6020

Sample Name	ccvl-1394870
Data File Name	017RLCV.D
DataPath	d:\DATA\050212.B
Acq Date Time	2012-05-02T12:20:35-06:00
Type	CCVL
VialNumber	1102
Dilution	1
Comment	
Operator	LMT
ISTDRefDataFileName	003CALB.D
SamplePassFail	Fail
ISTD PassFail	Pass

QC Analyte Table

Element	m/z	ISTD	Tune Step	Meas Value	%RSD	Units	CPS	CPS%RSD	Exp Value	%Rec	QC Low	QC High	QC Flag
Be	9	6	1	0.93	12.44	ppb	416.68	11.15	1	93.1	70	130	
Na	23	45	2	55.02	7.42	ppb	15621.21	3.03	50	110.0	70	130	
Mg	24	45	2	46.65	12.38	ppb	3567.31	10.04	50	93.3	70	130	
Al	27	45	2	25.65	13.21	ppb	380.05	13.93	30	85.5	70	130	
K	39	45	2	116.60	18.08	ppb	5574.65	10.81	100	116.6	70	130	
Ca	44	45	2	55.53	44.58	ppb	120.01	33.33	50	111.1	70	130	
V	51	72	2	5.28	4.26	ppb	5481.05	3.52	5	105.6	70	130	
Cr	52	72	2	2.00	7.68	ppb	3120.53	9.09	2	100.1	70	130	
Mn	55	72	2	1.49	15.22	ppb	760.09	11.47	1	149.1	70	130	CCVL Main Failed
Fe	57	72	2	45.01	15.27	ppb	1453.53	12.79	50	90.0	70	130	
Co	59	72	2	1.03	14.57	ppb	3153.86	13.31	1	103.3	70	130	
Ni	60	72	2	2.23	12.38	ppb	2220.32	9.14	2	111.4	70	130	
Cu	63	72	2	2.13	8.73	ppb	7275.40	5.18	2	106.5	70	130	
Zn	66	72	2	10.67	9.90	ppb	2907.17	6.96	10	106.7	70	130	
As	75	72	2	5.69	9.78	ppb	736.71	7.72	5	113.7	70	130	
Se	78	72	1	5.10	4.64	ppb	3129.66	3.58	5	101.9	70	130	
Nb	93	72	2	0.38	27.81	ppb	1513.52	23.28	40	1.0	70	130	CCVL Main Failed
Mo	95	115	2	2.30	3.97	ppb	2460.41	5.33	2	114.8	70	130	
Pd	105	115	2	0.03	79.31	ppb	80.01	66.15	1	3.4	70	130	CCVL Main Failed
Ag	107	115	2	5.47	0.98	ppb	22929.83	1.76	5	109.5	70	130	
Cd	111	115	2	1.43	27.00	ppb	593.40	28.27	1	142.8	70	130	CCVL Main Failed
Sn	120	115	2	10.34	10.61	ppb	9663.64	10.78	10	103.4	70	130	
Sb	121	115	2	4.66	13.58	ppb	3187.26	11.95	2	233.2	70	130	CCVL Main Failed
Ba	137	115	2	1.15	1.61	ppb	240.02	0.00	1	114.8	70	130	
W	182	165	2	0.04	23.11	ppb	1026.80	7.37	5	0.7	70	130	CCVL Main Failed
Pt	195	165	2	0.01	141.05	ppb	80.01	43.30	1	0.5	70	130	CCVL Main Failed
Tl	205	165	2	1.18	6.18	ppb	10104.16	2.96	1	118.3	70	130	
Pb	208	165	2	1.14	2.91	ppb	13183.27	4.59	1	114.2	70	130	
Th	232	165	2	2.27	5.40	ppb	23933.58	2.35	2	113.3	70	130	
U	238	165	2	1.06	9.40	ppb	13640.58	7.02	1	106.3	70	130	

QC ISTD Table

Element	m/z	Tune Step	CPS	%RSD	Ref CPS	%Rec	QC Low	QC High	QC Flag
Li6	6	1	1362446	1.94	1351330	100.8	60	125	
Sc (IS)	45	2	773287	1.98	801966	96.4	60	125	
Ge (IS)	72	1	21751867	1.08	22017207	98.8	60	125	
Ge (IS)	72	2	1116589	2.09	1147692	97.3	60	125	
115In	115	2	3146655	1.59	3129797	100.5	60	125	
Ho-165	165	2	19103001	3.37	18911181	101.0	60	125	

TuneStep	TuneFile
1	h2_hmi.u
2	he_hmi.u

Sample Report

Sample Name	280-28063-B-11-B@5
Data File Name	018SMPL.D
DataPath	d:\DATA\050212.B
Acq Date Time	2012-05-02T12:23:32-06:00
Type	Sample
VialNumber	2201
Dilution	1
Comment	116805 6020
Operator	LMT
ISTDRefDataFileName	003CALB.D
SamplePassFail	Pass
ISTD PassFail	Pass

QC Analyte Table

Element	m/z	ISTD	Tune Step	Meas Value	FinalConc	%RSD	Units	CPS	CPS %RSD	High Value	QC Flag
Be	9	6	1	0.04	0.04	87.81	ppb	15.00	88.19	3600	
Na	23	45	2	1257708.84	1257708.84	1.02	ppb	245587649.67	1.90	1800000	
Mg	24	45	2	30655.02	30655.02	2.07	ppb	2424562.72	2.56	450000	
Al	27	45	2	14.61	14.61	43.80	ppb	246.69	38.32	450000	
K	39	45	2	4388.51	4388.51	1.30	ppb	152339.71	2.67	180000	
Ca	44	45	2	157161.95	157161.95	0.30	ppb	287029.66	2.23	450000	
V	51	72	2	4.20	4.20	13.29	ppb	4221.45	11.67	3600	
Cr	52	72	2	0.17	0.17	54.85	ppb	346.70	40.52	3600	
Mn	55	72	2	11.41	11.41	8.05	ppb	4987.74	8.50	3600	
Fe	57	72	2	15.39	15.39	18.46	ppb	553.40	14.61	90000	
Co	59	72	2	0.03	0.03	69.42	ppb	100.01	52.92	3600	
Ni	60	72	2	0.06	0.06	35.34	ppb	240.03	8.33	3600	
Cu	63	72	2	0.17	0.17	28.74	ppb	1913.61	8.52	3600	
Zn	66	72	2	1.17	1.17	47.84	ppb	526.72	24.42	3600	
As	75	72	2	10.70	10.70	3.65	ppb	1340.12	5.63	3600	
Se	78	72	1	4.06	4.06	4.48	ppb	2118.83	2.84	3600	
Nb	93	72	2	0.32	0.32	14.61	ppb	1260.17	11.45	7200	
Mo	95	115	2	10.32	10.32	4.26	ppb	10197.07	5.84	3600	
Pd	105	115	2	0.00	0.00	2546.05	ppb	13.33	173.21	3600	
Ag	107	115	2	0.01	0.01	107.67	ppb	66.67	45.83	900	
Cd	111	115	2	0.24	0.24	97.28	ppb	93.34	98.98	3600	
Sn	120	115	2	2.22	2.22	14.28	ppb	2053.64	15.10	3600	
Sb	121	115	2	1.40	1.40	11.23	ppb	906.78	12.92	3600	
Ba	137	115	2	2.63	2.63	13.32	ppb	506.72	12.06	3600	
W	182	165	2	0.01	0.01	54.40	ppb	806.76	5.16	3600	
Pt	195	165	2	0.00	0.00	-3428.04	ppb	46.67	89.21	3600	
Tl	205	165	2	0.04	0.04	21.32	ppb	326.70	17.67	3600	
Pb	208	165	2	0.09	0.09	1.69	ppb	1626.86	0.71	3600	
Th	232	165	2	0.58	0.58	11.25	ppb	5581.50	10.88	3600	
U	238	165	2	4.75	4.75	1.34	ppb	53929.30	1.94	3600	

QC ISTD Table

Element	m/z	Tune Step	CPS	%RSD	Ref CPS	%Rec	Lower Limit	Upper Limit	QC Flag
Li6	6	1	1163388	1.49	1351330	86.1	60	125	
Sc (IS)	45	2	828630	2.34	801966	103.3	60	125	
Ge (IS)	72	1	18461156	1.66	22017207	83.8	60	125	
Ge (IS)	72	2	1084365	2.04	1147692	94.5	60	125	
115In	115	2	2903766	2.28	3129797	92.8	60	125	
Ho-165	165	2	16889116	0.69	18911181	89.3	60	125	

TuneStep	TuneFile	TuneDate
1	h2_hmi.u	5/2/2012 12:22:00 PM
2	he_hmi.u	5/2/2012 12:22:00 PM

Sample Report

Sample Name	280-28063-B-12-B@5
Data File Name	019SMPL.D
DataPath	d:\DATA\050212.B
Acq Date Time	2012-05-02T12:26:27-06:00
Type	Sample
VialNumber	2202
Dilution	1
Comment	116805 6020
Operator	LMT
ISTDRefDataFileName	003CALB.D
SamplePassFail	Pass
ISTD PassFail	Pass

QC Analyte Table

Element	m/z	ISTD	Tune Step	Meas Value	FinalConc	%RSD	Units	CPS	CPS %RSD	High Value	QC Flag
Be	9	6	1	0.04	0.04	17.15	ppb	16.67	17.32	3600	
Na	23	45	2	873880.44	873880.44	0.41	ppb	184742223.91	1.81	1800000	
Mg	24	45	2	23693.36	23693.36	1.51	ppb	2028775.80	2.03	450000	
Al	27	45	2	109.40	109.40	10.51	ppb	1753.58	8.71	450000	
K	39	45	2	3589.65	3589.65	1.90	ppb	135271.64	2.00	180000	
Ca	44	45	2	143205.37	143205.37	1.92	ppb	283097.13	1.71	450000	
V	51	72	2	2.42	2.42	7.27	ppb	2638.90	9.17	3600	
Cr	52	72	2	0.37	0.37	24.96	ppb	693.41	23.32	3600	
Mn	55	72	2	3.80	3.80	11.79	ppb	1880.26	9.28	3600	
Fe	57	72	2	77.08	77.08	22.08	ppb	2547.14	19.64	90000	
Co	59	72	2	0.07	0.07	15.20	ppb	246.69	12.39	3600	
Ni	60	72	2	0.13	0.13	38.61	ppb	326.71	12.74	3600	
Cu	63	72	2	0.51	0.51	17.86	ppb	3047.17	8.72	3600	
Zn	66	72	2	2.66	2.66	22.43	ppb	966.78	15.80	3600	
As	75	72	2	2.11	2.11	22.23	ppb	296.68	22.44	3600	
Se	78	72	1	8.63	8.63	2.24	ppb	5079.46	2.34	3600	
Nb	93	72	2	0.19	0.19	15.21	ppb	873.43	10.82	7200	
Mo	95	115	2	18.80	18.80	4.34	ppb	19833.04	4.68	3600	
Pd	105	115	2	0.02	0.02	29.56	ppb	53.34	21.66	3600	
Ag	107	115	2	0.00	0.00	224.54	ppb	53.34	57.29	900	
Cd	111	115	2	0.16	0.16	106.16	ppb	66.67	105.36	3600	
Sn	120	115	2	0.09	0.09	47.18	ppb	266.69	15.61	3600	
Sb	121	115	2	1.27	1.27	23.90	ppb	880.11	23.95	3600	
Ba	137	115	2	2.99	2.99	46.84	ppb	613.40	45.81	3600	
W	182	165	2	-0.03	-0.03	-212.12	ppb	640.07	49.61	3600	
Pt	195	165	2	0.01	0.01	305.01	ppb	80.01	108.98	3600	
Tl	205	165	2	0.02	0.02	64.73	ppb	226.69	48.60	3600	
Pb	208	165	2	0.13	0.13	8.13	ppb	2220.28	6.50	3600	
Th	232	165	2	0.37	0.37	11.30	ppb	3920.82	11.53	3600	
U	238	165	2	0.76	0.76	2.32	ppb	9343.59	3.77	3600	

QC ISTD Table

Element	m/z	Tune Step	CPS	%RSD	Ref CPS	%Rec	Lower Limit	Upper Limit	QC Flag
Li6	6	1	1361936	0.25	1351330	100.8	60	125	
Sc (IS)	45	2	896998	1.56	801966	111.8	60	125	
Ge (IS)	72	1	20882048	0.60	22017207	94.8	60	125	
Ge (IS)	72	2	1180263	1.97	1147692	102.8	60	125	
115In	115	2	3099539	1.27	3129797	99.0	60	125	
Ho-165	165	2	18186463	1.45	18911181	96.2	60	125	

TuneStep	TuneFile	TuneDate
1	h2_hmi.u	5/2/2012 12:25:00 PM
2	he_hmi.u	5/2/2012 12:25:00 PM

Sample Report

Sample Name	280-28063-B-13-B@5
Data File Name	020SMPL.D
DataPath	d:\DATA\050212.B
Acq Date Time	2012-05-02T12:29:23-06:00
Type	Sample
VialNumber	2203
Dilution	1
Comment	116805 6020
Operator	LMT
ISTDRefDataFileName	003CALB.D
SamplePassFail	Pass
ISTD PassFail	Pass

QC Analyte Table

Element	m/z	ISTD	Tune Step	Meas Value	FinalConc	%RSD	Units	CPS	CPS %RSD	High Value	QC Flag
Be	9	6	1	0.04	0.04	25.46	ppb	20.00	25.00	3600	
Na	23	45	2	954423.34	954423.34	0.31	ppb	203994083.63	1.09	1800000	
Mg	24	45	2	32895.09	32895.09	1.00	ppb	2847862.98	1.62	450000	
Al	27	45	2	23.67	23.67	7.14	ppb	413.39	5.59	450000	
K	39	45	2	3864.92	3864.92	1.26	ppb	147110.34	2.29	180000	
Ca	44	45	2	175851.79	175851.79	1.28	ppb	351501.53	1.49	450000	
V	51	72	2	3.81	3.81	7.21	ppb	4155.17	7.13	3600	
Cr	52	72	2	0.23	0.23	30.46	ppb	473.38	23.27	3600	
Mn	55	72	2	3.29	3.29	5.12	ppb	1640.21	4.40	3600	
Fe	57	72	2	15.57	15.57	23.23	ppb	606.73	19.03	90000	
Co	59	72	2	0.06	0.06	22.13	ppb	213.35	19.51	3600	
Ni	60	72	2	0.29	0.29	33.73	ppb	486.72	19.42	3600	
Cu	63	72	2	0.19	0.19	30.14	ppb	2140.30	7.65	3600	
Zn	66	72	2	0.41	0.41	66.98	ppb	373.37	18.82	3600	
As	75	72	2	5.48	5.48	13.23	ppb	750.05	13.53	3600	
Se	78	72	1	3.65	3.65	8.67	ppb	2161.50	8.83	3600	
Nb	93	72	2	0.14	0.14	14.01	ppb	700.08	10.30	7200	
Mo	95	115	2	8.07	8.07	1.92	ppb	8402.65	3.60	3600	
Pd	105	115	2	0.04	0.04	80.74	ppb	93.34	68.89	3600	
Ag	107	115	2	0.01	0.01	251.17	ppb	66.67	105.36	900	
Cd	111	115	2	0.11	0.11	106.50	ppb	46.67	107.86	3600	
Sn	120	115	2	0.00	0.00	-9504.57	ppb	180.02	58.80	3600	
Sb	121	115	2	1.16	1.16	7.94	ppb	793.43	5.82	3600	
Ba	137	115	2	2.89	2.89	9.41	ppb	586.73	7.87	3600	
W	182	165	2	-0.01	-0.01	-42.38	ppb	753.42	1.53	3600	
Pt	195	165	2	-0.01	-0.01	-64.64	ppb	20.00	100.00	3600	
Tl	205	165	2	0.03	0.03	15.20	ppb	280.03	12.37	3600	
Pb	208	165	2	0.07	0.07	55.69	ppb	1566.86	26.17	3600	
Th	232	165	2	0.25	0.25	11.04	ppb	2753.84	10.59	3600	
U	238	165	2	1.54	1.54	4.09	ppb	18612.87	4.05	3600	

QC ISTD Table

Element	m/z	Tune Step	CPS	%RSD	Ref CPS	%Rec	Lower Limit	Upper Limit	QC Flag
Li6	6	1	1378640	0.48	1351330	102.0	60	125	
Sc (IS)	45	2	906913	1.05	801966	113.1	60	125	
Ge (IS)	72	1	20926533	0.27	22017207	95.0	60	125	
Ge (IS)	72	2	1176539	0.54	1147692	102.5	60	125	
115In	115	2	3057183	1.93	3129797	97.7	60	125	
Ho-165	165	2	17997840	0.60	18911181	95.2	60	125	

TuneStep	TuneFile	TuneDate
1	h2_hmi.u	5/2/2012 12:28:00 PM
2	he_hmi.u	5/2/2012 12:28:00 PM

Sample Report

Sample Name	280-28063-B-14-B@5
Data File Name	021SMPL.D
DataPath	d:\DATA\050212.B
Acq Date Time	2012-05-02T12:32:18-06:00
Type	Sample
VialNumber	2204
Dilution	1
Comment	116805 6020
Operator	LMT
ISTDRefDataFileName	003CALB.D
SamplePassFail	Fail
ISTD PassFail	Pass

QC Analyte Table

Element	m/z	ISTD	Tune Step	Meas Value	FinalConc	%RSD	Units	CPS	CPS %RSD	High Value	QC Flag
Be	9	6	1	0.02	0.02	24.37	ppb	11.67	24.74	3600	
Na	23	45	2	422.78	422.78	8.25	ppb	103408.57	7.11	1800000	
Mg	24	45	2	7.13	7.13	15.55	ppb	820.09	12.91	450000	
Al	27	45	2	-2.37	-2.37	0.00	ppb	0.00	#DIV/0!	450000	
K	39	45	2	9.54	9.54	25.72	ppb	2700.45	3.85	180000	
Ca	44	45	2	53.66	53.66	56.55	ppb	146.68	43.84	450000	
V	51	72	2	0.09	0.09	42.94	ppb	72.97	68.42	3600	
Cr	52	72	2	0.03	0.03	64.20	ppb	166.68	18.33	3600	
Mn	55	72	2	0.13	0.13	137.34	ppb	200.03	50.00	3600	
Fe	57	72	2	-0.59	-0.59	-280.51	ppb	113.34	53.91	90000	
Co	59	72	2	0.00	0.00	-436.42	ppb	26.67	86.60	3600	
Ni	60	72	2	0.02	0.02	529.03	ppb	260.03	42.83	3600	
Cu	63	72	2	0.05	0.05	158.42	ppb	2026.96	13.62	3600	
Zn	66	72	2	-0.12	-0.12	-113.74	ppb	273.36	15.23	3600	
As	75	72	2	0.01	0.01	819.51	ppb	13.33	86.60	3600	
Se	78	72	1	0.01	0.01	63.98	ppb	32.00	21.65	3600	
Nb	93	72	2	0.07	0.07	25.77	ppb	526.72	15.81	7200	
Mo	95	115	2	0.11	0.11	37.50	ppb	133.35	37.75	3600	
Pd	105	115	2	-0.01	-0.01	0.00	ppb	0.00	#DIV/0!	3600	
Ag	107	115	2	0.00	0.00	-228.58	ppb	33.34	91.66	900	
Cd	111	115	2	0.14	0.14	17.08	ppb	66.68	17.32	3600	
Sn	120	115	2	0.05	0.05	248.33	ppb	266.69	45.83	3600	
Sb	121	115	2	0.48	0.48	40.74	ppb	420.04	37.19	3600	
Ba	137	115	2	0.03	0.03	173.21	ppb	6.67	173.21	3600	
W	182	165	2	0.00	0.00	-685.68	ppb	913.46	14.25	3600	
Pt	195	165	2	0.00	0.00	-473.73	ppb	46.67	137.77	3600	
Tl	205	165	2	0.01	0.01	25.81	ppb	200.02	17.32	3600	
Pb	208	165	2	0.01	0.01	85.28	ppb	1080.11	6.68	3600	
Th	232	165	2	0.08	0.08	20.18	ppb	1180.16	15.07	3600	
U	238	165	2	0.01	0.01	73.91	ppb	146.68	55.11	3600	

QC ISTD Table

Element	m/z	Tune Step	CPS	%RSD	Ref CPS	%Rec	Lower Limit	Upper Limit	QC Flag
Li6	6	1	1721146	1.30	1351330	127.4	60	125	IS Main Failed
Sc (IS)	45	2	967821	0.62	801966	120.7	60	125	
Ge (IS)	72	1	26969561	0.61	22017207	122.5	60	125	
Ge (IS)	72	2	1369526	0.16	1147692	119.3	60	125	
115In	115	2	3655234	0.31	3129797	116.8	60	125	
Ho-165	165	2	21314480	0.29	18911181	112.7	60	125	

TuneStep	TuneFile	TuneDate
1	h2_hmi.u	5/2/2012 12:31:00 PM
2	he_hmi.u	5/2/2012 12:31:00 PM

Sample Report

Sample Name	280-28063-B-15-B@5
Data File Name	022SMPL.D
DataPath	d:\DATA\050212.B
Acq Date Time	2012-05-02T12:35:14-06:00
Type	Sample
VialNumber	2205
Dilution	1
Comment	116805 6020
Operator	LMT
ISTDRefDataFileName	003CALB.D
SamplePassFail	Pass
ISTD PassFail	Pass

QC Analyte Table

Element	m/z	ISTD	Tune Step	Meas Value	FinalConc	%RSD	Units	CPS	CPS %RSD	High Value	QC Flag
Be	9	6	1	0.03	0.03	91.90	ppb	16.67	91.65	3600	
Na	23	45	2	251.52	251.52	2.82	ppb	62687.67	2.31	1800000	
Mg	24	45	2	3.52	3.52	28.31	ppb	473.39	19.05	450000	
Al	27	45	2	2.47	2.47	213.78	ppb	80.01	108.98	450000	
K	39	45	2	-2.14	-2.14	-615.93	ppb	2173.67	23.54	180000	
Ca	44	45	2	77.95	77.95	18.82	ppb	193.35	15.80	450000	
V	51	72	2	-0.03	-0.03	-219.77	ppb	-73.24	-94.45	3600	
Cr	52	72	2	0.28	0.28	10.14	ppb	626.73	8.03	3600	
Mn	55	72	2	-0.03	-0.03	-183.33	ppb	106.68	28.64	3600	
Fe	57	72	2	0.44	0.44	520.35	ppb	146.68	55.11	90000	
Co	59	72	2	0.01	0.01	141.13	ppb	66.68	75.50	3600	
Ni	60	72	2	0.26	0.26	36.03	ppb	513.39	19.99	3600	
Cu	63	72	2	0.04	0.04	20.04	ppb	1920.29	1.04	3600	
Zn	66	72	2	0.63	0.63	44.28	ppb	486.72	16.61	3600	
As	75	72	2	0.05	0.05	238.44	ppb	20.00	100.00	3600	
Se	78	72	1	-0.01	-0.01	-147.40	ppb	13.33	75.50	3600	
Nb	93	72	2	0.07	0.07	57.32	ppb	480.06	33.07	7200	
Mo	95	115	2	0.09	0.09	36.30	ppb	113.35	36.74	3600	
Pd	105	115	2	0.01	0.01	169.24	ppb	33.34	91.66	3600	
Ag	107	115	2	0.00	0.00	-183.25	ppb	33.34	69.29	900	
Cd	111	115	2	0.07	0.07	91.71	ppb	33.33	91.65	3600	
Sn	120	115	2	0.01	0.01	318.23	ppb	220.02	9.09	3600	
Sb	121	115	2	0.30	0.30	59.92	ppb	266.69	51.05	3600	
Ba	137	115	2	0.00	0.00	#DIV/0!	ppb	0.00	#DIV/0!	3600	
W	182	165	2	-0.01	-0.01	-276.41	ppb	873.43	14.72	3600	
Pt	195	165	2	0.00	0.00	-187.44	ppb	46.67	49.49	3600	
Tl	205	165	2	0.01	0.01	114.07	ppb	166.68	68.24	3600	
Pb	208	165	2	0.04	0.04	14.46	ppb	1506.84	4.27	3600	
Th	232	165	2	0.07	0.07	20.32	ppb	1106.80	14.04	3600	
U	238	165	2	0.01	0.01	28.21	ppb	246.70	24.77	3600	

QC ISTD Table

Element	m/z	Tune Step	CPS	%RSD	Ref CPS	%Rec	Lower Limit	Upper Limit	QC Flag
Li6	6	1	1604568	1.04	1351330	118.7	60	125	
Sc (IS)	45	2	942425	0.61	801966	117.5	60	125	
Ge (IS)	72	1	25793880	0.90	22017207	117.2	60	125	
Ge (IS)	72	2	1330416	0.29	1147692	115.9	60	125	
115In	115	2	3591134	0.41	3129797	114.7	60	125	
Ho-165	165	2	20972706	0.89	18911181	110.9	60	125	

TuneStep	TuneFile	TuneDate
1	h2_hmi.u	5/2/2012 12:33:00 PM
2	he_hmi.u	5/2/2012 12:33:00 PM

Sample Report

Sample Name	280-28063-E-16-B@5
Data File Name	023SMPL.D
DataPath	d:\DATA\050212.B
Acq Date Time	2012-05-02T12:38:11-06:00
Type	Sample
VialNumber	2206
Dilution	1
Comment	116805 6020
Operator	LMT
ISTDRefDataFileName	003CALB.D
SamplePassFail	Fail
ISTD PassFail	Pass

QC Analyte Table

Element	m/z	ISTD	Tune Step	Meas Value	FinalConc	%RSD	Units	CPS	CPS%RSD	High Value	QC Flag
Be	9	6	1	0.02	0.02	42.95	ppb	6.67	43.30	3600	
Na	23	45	2	4114174.55	4114174.55	0.99	ppb	801450788.06	3.51	1800000	Sample Main Failed
Mg	24	45	2	62116.99	62116.99	0.68	ppb	4900777.01	2.96	450000	
Al	27	45	2	110.37	110.37	4.57	ppb	1633.52	7.97	450000	
K	39	45	2	8176.97	8176.97	2.61	ppb	281569.04	5.63	180000	
Ca	44	45	2	289252.51	289252.51	0.89	ppb	526891.74	2.85	450000	
V	51	72	2	0.80	0.80	13.08	ppb	694.40	12.57	3600	
Cr	52	72	2	0.24	0.24	19.11	ppb	400.04	18.03	3600	
Mn	55	72	2	35.28	35.28	6.90	ppb	13632.80	4.12	3600	
Fe	57	72	2	132.10	132.10	12.32	ppb	3527.29	8.49	90000	
Co	59	72	2	0.11	0.11	41.65	ppb	306.70	39.85	3600	
Ni	60	72	2	0.31	0.31	54.21	ppb	420.04	33.33	3600	
Cu	63	72	2	0.19	0.19	31.63	ppb	1773.59	11.35	3600	
Zn	66	72	2	15.75	15.75	13.86	ppb	3627.32	9.65	3600	
As	75	72	2	1.87	1.87	18.32	ppb	216.68	14.10	3600	
Se	78	72	1	0.60	0.60	17.18	ppb	257.34	16.33	3600	
Nb	93	72	2	0.15	0.15	29.37	ppb	600.06	25.17	7200	
Mo	95	115	2	25.27	25.27	2.13	ppb	20787.13	3.10	3600	
Pd	105	115	2	0.03	0.03	22.95	ppb	53.34	21.66	3600	
Ag	107	115	2	-0.01	-0.01	0.00	ppb	0.00	#DIV/0!	900	
Cd	111	115	2	0.08	0.08	86.77	ppb	26.67	86.60	3600	
Sn	120	115	2	0.16	0.16	80.35	ppb	260.03	38.46	3600	
Sb	121	115	2	1.17	1.17	4.60	ppb	633.40	7.95	3600	
Ba	137	115	2	5.32	5.32	4.79	ppb	853.43	1.35	3600	
W	182	165	2	0.03	0.03	68.36	ppb	693.41	11.66	3600	
Pt	195	165	2	-0.01	-0.01	-96.34	ppb	13.33	173.21	3600	
Tl	205	165	2	0.02	0.02	8.56	ppb	153.35	7.53	3600	
Pb	208	165	2	0.27	0.27	12.84	ppb	2647.01	9.57	3600	
Th	232	165	2	0.20	0.20	4.79	ppb	1666.91	2.77	3600	
U	238	165	2	0.77	0.77	5.60	ppb	6975.57	3.22	3600	

QC ISTD Table

Element	m/z	Tune Step	CPS	%RSD	Ref CPS	%Rec	Lower Limit	Upper Limit	QC Flag
Li6	6	1	1011999	0.62	1351330	74.9	60	125	
Sc (IS)	45	2	826642	3.59	801966	103.1	60	125	
Ge (IS)	72	1	14647348	0.53	22017207	66.5	60	125	
Ge (IS)	72	2	972975	3.36	1147692	84.8	60	125	
115In	115	2	2418012	3.74	3129797	77.3	60	125	
Ho-165	165	2	13474646	2.57	18911181	71.3	60	125	

TuneStep	TuneFile	TuneDate
1	h2_hmi.u	5/2/2012 12:36:00 PM
2	he_hmi.u	5/2/2012 12:36:00 PM

Sample Report

Sample Name	280-28063-E-17-D@5
Data File Name	024SMPL.D
DataPath	d:\DATA\050212.B
Acq Date Time	2012-05-02T12:41:12-06:00
Type	Sample
VialNumber	2207
Dilution	1
Comment	116805 6020
Operator	LMT
ISTDRefDataFileName	003CALB.D
SamplePassFail	Pass
ISTD PassFail	Pass

QC Analyte Table

Element	m/z	ISTD	Tune Step	Meas Value	FinalConc	%RSD	Units	CPS	CPS %RSD	High Value	QC Flag
Be	9	6	1	0.02	0.02	50.69	ppb	11.67	49.49	3600	
Na	23	45	2	1322225.86	1322225.86	0.75	ppb	310229375.38	1.77	1800000	
Mg	24	45	2	17959.01	17959.01	0.58	ppb	1706758.00	1.38	450000	
Al	27	45	2	1.83	1.83	94.53	ppb	73.34	41.66	450000	
K	39	45	2	5719.08	5719.08	0.88	ppb	237803.46	1.96	180000	
Ca	44	45	2	126915.57	126915.57	0.51	ppb	278496.51	1.65	450000	
V	51	72	2	10.37	10.37	0.45	ppb	11923.57	1.65	3600	
Cr	52	72	2	0.11	0.11	49.42	ppb	286.69	31.46	3600	
Mn	55	72	2	3.87	3.87	11.29	ppb	2000.33	11.79	3600	
Fe	57	72	2	8.24	8.24	34.43	ppb	393.37	22.93	90000	
Co	59	72	2	0.01	0.01	92.12	ppb	73.34	56.77	3600	
Ni	60	72	2	0.56	0.56	40.03	ppb	780.08	27.74	3600	
Cu	63	72	2	0.07	0.07	108.60	ppb	1873.62	10.69	3600	
Zn	66	72	2	0.85	0.85	28.91	ppb	513.38	12.52	3600	
As	75	72	2	23.45	23.45	5.25	ppb	3327.14	6.02	3600	
Se	78	72	1	2.99	2.99	10.09	ppb	1858.80	7.91	3600	
Nb	93	72	2	0.10	0.10	40.95	ppb	586.72	29.00	7200	
Mo	95	115	2	26.52	26.52	4.65	ppb	28258.20	4.96	3600	
Pd	105	115	2	0.00	0.00	514.19	ppb	20.00	173.21	3600	
Ag	107	115	2	0.00	0.00	952.78	ppb	46.67	137.77	900	
Cd	111	115	2	0.06	0.06	113.92	ppb	26.67	114.56	3600	
Sn	120	115	2	0.12	0.12	91.59	ppb	293.36	33.63	3600	
Sb	121	115	2	0.47	0.47	45.86	ppb	346.71	40.93	3600	
Ba	137	115	2	2.05	2.05	38.41	ppb	426.72	39.03	3600	
W	182	165	2	0.00	0.00	-1187.81	ppb	753.42	25.51	3600	
Pt	195	165	2	0.01	0.01	100.94	ppb	113.34	56.73	3600	
Tl	205	165	2	0.01	0.01	49.81	ppb	160.01	33.07	3600	
Pb	208	165	2	0.02	0.02	87.46	ppb	1026.78	18.41	3600	
Th	232	165	2	0.10	0.10	16.75	ppb	1240.18	13.78	3600	
U	238	165	2	0.59	0.59	11.07	ppb	7015.59	10.16	3600	

QC ISTD Table

Element	m/z	Tune Step	CPS	%RSD	Ref CPS	%Rec	Lower Limit	Upper Limit	QC Flag
Li6	6	1	1536304	3.05	1351330	113.7	60	125	
Sc (IS)	45	2	995530	1.23	801966	124.1	60	125	
Ge (IS)	72	1	21969410	3.07	22017207	99.8	60	125	
Ge (IS)	72	2	1233494	1.20	1147692	107.5	60	125	
115In	115	2	3131092	0.91	3129797	100.0	60	125	
Ho-165	165	2	17607954	0.99	18911181	93.1	60	125	

TuneStep	TuneFile	TuneDate
1	h2_hmi.u	5/2/2012 12:39:00 PM
2	he_hmi.u	5/2/2012 12:39:00 PM

Continuing Calibration Verification (CCV) - US EPA Method 6020

Sample Name	ccv-1394868
Data File Name	0256CCV.D
DataPath	d:\DATA\050212.B
Acq Date Time	2012-05-02T12:44:11-06:00
Type	6-CCV
VialNumber	1107
Dilution	1
Comment	
Operator	LMT
ISTDRefDataFileName	003CALB.D
SamplePassFail	Fail
ISTD PassFail	Pass

QC Analyte Table

Element	m/z	ISTD	Tune Step	Meas Value	%RSD	Units	CPS	CPS%RSD	Exp Value	%Rec	QC Low	QC High	QC Flag
Be	9	6	1	46.39	10.37	ppb	30292.69	4.63	50	92.8	90	110	
Na	23	45	2	5937.03	1.97	ppb	1522222.69	2.62	5000	118.7	90	110	6-CCV Main Failed
Mg	24	45	2	5040.47	1.23	ppb	520926.21	2.03	5000	100.8	90	110	
Al	27	45	2	5032.47	4.09	ppb	95407.24	4.19	5000	100.6	90	110	
K	39	45	2	4952.42	2.22	ppb	224187.03	1.83	5000	99.0	90	110	
Ca	44	45	2	5302.34	4.81	ppb	12678.89	3.67	5000	106.0	90	110	
V	51	72	2	50.56	2.61	ppb	70748.40	1.41	50	101.1	90	110	
Cr	52	72	2	49.47	0.92	ppb	100190.15	1.54	50	98.9	90	110	
Mn	55	72	2	51.82	5.17	ppb	30774.71	4.28	50	103.6	90	110	
Fe	57	72	2	4830.33	2.45	ppb	193755.75	3.71	5000	96.6	90	110	
Co	59	72	2	50.34	3.35	ppb	204563.01	2.23	50	100.7	90	110	
Ni	60	72	2	49.59	1.26	ppb	60818.01	1.77	50	99.2	90	110	
Cu	63	72	2	49.85	1.44	ppb	183086.46	2.65	50	99.7	90	110	
Zn	66	72	2	48.01	3.55	ppb	16375.23	4.80	50	96.0	90	110	
As	75	72	2	49.50	5.08	ppb	8502.40	3.39	50	99.0	90	110	
Se	78	72	1	49.95	10.18	ppb	42408.89	4.76	50	99.9	90	110	
Nb	93	72	2	93.93	1.53	ppb	444209.32	1.89	100	93.9	90	110	
Mo	95	115	2	50.42	0.89	ppb	66488.51	2.77	50	100.8	90	110	
Pd	105	115	2	50.20	0.38	ppb	122969.81	2.12	50	100.4	90	110	
Ag	107	115	2	51.67	1.74	ppb	266073.69	0.44	50	103.3	90	110	
Cd	111	115	2	53.57	2.99	ppb	27336.96	5.11	50	107.1	90	110	
Sn	120	115	2	50.92	4.11	ppb	57679.07	5.58	50	101.8	90	110	
Sb	121	115	2	49.90	1.66	ppb	41653.30	2.04	50	99.8	90	110	
Ba	137	115	2	49.83	5.12	ppb	12826.09	4.20	50	99.7	90	110	
W	182	165	2	49.35	0.53	ppb	313744.19	1.71	50	98.7	90	110	
Pt	195	165	2	48.55	1.10	ppb	285997.85	1.11	50	97.1	90	110	
Tl	205	165	2	48.73	1.07	ppb	485507.25	1.50	50	97.5	90	110	
Pb	208	165	2	48.41	1.24	ppb	611857.38	2.49	50	96.8	90	110	
Th	232	165	2	47.10	0.36	ppb	577506.96	1.92	50	94.2	90	110	
U	238	165	2	46.98	1.19	ppb	706000.07	1.34	50	94.0	90	110	

QC ISTD Table

Element	m/z	Tune Step	CPS	%RSD	Ref CPS	%Rec	QC Low	QC High	QC Flag
Li6	6	1	1993230	5.80	1351330	147.5	60	125	IS Main Failed
Sc (IS)	45	2	1082288	1.10	801966	135.0	60	125	IS Main Failed
Ge (IS)	72	1	30325838	5.41	22017207	137.7	60	125	IS Main Failed
Ge (IS)	72	2	1497134	2.46	1147692	130.4	60	125	IS Main Failed
115In	115	2	3874953	2.19	3129797	123.8	60	125	
Ho-165	165	2	22387753	2.20	18911181	118.4	60	125	

TuneStep	TuneFile
1	h2_hmi.u
2	he_hmi.u

Continuing Calibration Blank (CCB) - US EPA Method 6020

Sample Name	ccb-1394903
Data File Name	0266CCB.D
DataPath	d:\DATA\050212.B
Acq Date Time	2012-05-02T12:47:09-06:00
Type	6-CCB
VialNumber	1307
Dilution	1
Comment	
Operator	LMT
ISTDRefDataFileName	003CALB.D
SamplePassFail	Fail
ISTD PassFail	Pass

QC Analyte Table

Element	m/z	ISTD	Tune Step	Meas Value	%RSD	Units	CPS	CPS %RSD	QC High	QC Flag
Be	9	6	1	0.03	86.60	ppb	20.00	86.60	1	
Na	23	45	2	534.53	8.48	ppb	140427.22	7.53	20	6-CCB Main Failed
Mg	24	45	2	2.96	34.45	ppb	473.38	21.27	20	
Al	27	45	2	-1.29	-84.58	ppb	20.00	100.00	20	
K	39	45	2	2.61	146.80	ppb	2640.40	6.82	20	
Ca	44	45	2	10.76	241.22	ppb	60.01	100.00	20	
V	51	72	2	0.05	110.40	ppb	24.22	321.36	1	
Cr	52	72	2	0.05	205.21	ppb	220.02	86.72	1	
Mn	55	72	2	-0.11	-94.95	ppb	73.34	78.73	1	
Fe	57	72	2	1.31	239.73	ppb	193.35	62.36	20	
Co	59	72	2	0.00	-428.43	ppb	26.67	114.56	1	
Ni	60	72	2	0.01	1925.78	ppb	260.03	48.04	1	
Cu	63	72	2	0.14	15.94	ppb	2467.05	4.16	1	
Zn	66	72	2	-0.58	-10.69	ppb	140.01	14.28	5	
As	75	72	2	0.09	178.66	ppb	26.67	94.37	5	
Se	78	72	1	0.07	20.70	ppb	74.67	15.46	5	
Nb	93	72	2	0.77	11.53	ppb	3740.69	11.17	5	
Mo	95	115	2	0.12	32.88	ppb	160.02	33.07	1	
Pd	105	115	2	0.03	71.53	ppb	86.67	58.08	1	
Ag	107	115	2	0.00	291.10	ppb	66.67	75.50	1	
Cd	111	115	2	0.05	114.61	ppb	26.67	114.57	1	
Sn	120	115	2	0.15	32.02	ppb	400.05	13.23	5	
Sb	121	115	2	0.81	29.65	ppb	713.41	28.08	0.2	6-CCB Main Failed
Ba	137	115	2	0.00	#DIV/0!	ppb	0.00	#DIV/0!	1	
W	182	165	2	0.05	25.13	ppb	1286.85	6.28	1	
Pt	195	165	2	0.02	137.53	ppb	166.69	85.14	1	
Tl	205	165	2	0.03	41.74	ppb	320.03	33.07	1	
Pb	208	165	2	0.01	18.32	ppb	1173.47	1.97	1	
Th	232	165	2	0.24	17.75	ppb	3220.64	15.53	1	
U	238	165	2	0.03	11.76	ppb	520.05	10.18	1	

QC ISTD Table

Element	m/z	Tune Step	CPS	%RSD	Ref CPS	%Rec	QC Low	QC High	QC Flag
Li6	6	1	1888125	0.22	1351330	139.7	60	125	IS Main Failed
Sc (IS)	45	2	1054397	0.50	801966	131.5	60	125	IS Main Failed
Ge (IS)	72	1	28332719	0.88	22017207	128.7	60	125	IS Main Failed
Ge (IS)	72	2	1451870	0.96	1147692	126.5	60	125	IS Main Failed
115In	115	2	3859002	0.39	3129797	123.3	60	125	
Ho-165	165	2	22341734	0.78	18911181	118.1	60	125	

TuneStep	TuneFile
1	h2_hmi.u
2	he_hmi.u

Continuing Calibration Verification (CCV) - US EPA Method 6020

Sample Name	ccv-1394868
Data File Name	0276CCV.D
DataPath	d:\DATA\050212.B
Acq Date Time	2012-05-02T12:50:09-06:00
Type	6-CCV
VialNumber	1107
Dilution	1
Comment	
Operator	LMT
ISTDRefDataFileName	003CALB.D
SamplePassFail	Fail
ISTD PassFail	Pass

QC Analyte Table

Element	m/z	ISTD	Tune Step	Meas Value	%RSD	Units	CPS	CPS%RSD	Exp Value	%Rec	QC Low	QC High	QC Flag
Be	9	6	1	48.09	2.97	ppb	27929.03	2.32	50	96.2	90	110	
Na	23	45	2	5309.19	2.33	ppb	1284591.73	2.03	5000	106.2	90	110	
Mg	24	45	2	4921.10	0.13	ppb	479690.05	0.45	5000	98.4	90	110	
Al	27	45	2	5168.32	1.43	ppb	92419.27	1.50	5000	103.4	90	110	
K	39	45	2	4901.63	0.71	ppb	209335.46	1.14	5000	98.0	90	110	
Ca	44	45	2	5006.82	2.26	ppb	11297.70	1.95	5000	100.1	90	110	
V	51	72	2	50.51	2.41	ppb	66465.12	2.15	50	101.0	90	110	
Cr	52	72	2	49.63	1.65	ppb	94500.88	1.95	50	99.3	90	110	
Mn	55	72	2	54.73	2.99	ppb	30554.58	2.57	50	109.5	90	110	
Fe	57	72	2	4864.22	1.20	ppb	183399.07	0.82	5000	97.3	90	110	
Co	59	72	2	50.99	0.63	ppb	194856.63	1.13	50	102.0	90	110	
Ni	60	72	2	50.48	0.23	ppb	58203.23	0.41	50	101.0	90	110	
Cu	63	72	2	50.67	1.00	ppb	174907.05	1.13	50	101.3	90	110	
Zn	66	72	2	49.65	4.40	ppb	15901.74	4.00	50	99.3	90	110	
As	75	72	2	51.63	2.13	ppb	8342.30	2.08	50	103.3	90	110	
Se	78	72	1	53.33	0.76	ppb	40032.56	1.13	50	106.7	90	110	
Nb	93	72	2	97.02	0.89	ppb	431344.98	0.33	100	97.0	90	110	
Mo	95	115	2	49.71	1.93	ppb	64374.51	1.99	50	99.4	90	110	
Pd	105	115	2	49.83	1.57	ppb	119868.54	1.44	50	99.7	90	110	
Ag	107	115	2	50.55	0.73	ppb	255719.81	0.76	50	101.1	90	110	
Cd	111	115	2	52.06	3.00	ppb	26081.59	2.96	50	104.1	90	110	
Sn	120	115	2	51.39	3.11	ppb	57151.99	3.07	50	102.8	90	110	
Sb	121	115	2	52.07	5.38	ppb	42688.96	5.43	50	104.1	90	110	
Ba	137	115	2	53.73	2.90	ppb	13586.53	2.94	50	107.5	90	110	
W	182	165	2	50.13	1.47	ppb	316263.73	0.85	50	100.3	90	110	
Pt	195	165	2	49.14	2.33	ppb	287293.47	1.79	50	98.3	90	110	
Tl	205	165	2	49.85	1.40	ppb	492956.97	1.23	50	99.7	90	110	
Pb	208	165	2	49.48	0.92	ppb	620581.91	0.94	50	99.0	90	110	
Th	232	165	2	49.03	0.92	ppb	596663.41	0.93	50	98.1	90	110	
U	238	165	2	48.51	0.76	ppb	723573.27	0.52	50	97.0	90	110	

QC ISTD Table

Element	m/z	Tune Step	CPS	%RSD	Ref CPS	%Rec	QC Low	QC High	QC Flag
Li6	6	1	1765888	0.68	1351330	130.7	60	125	IS Main Failed
Sc (IS)	45	2	1020829	0.46	801966	127.3	60	125	IS Main Failed
Ge (IS)	72	1	26714597	0.38	22017207	121.3	60	125	
Ge (IS)	72	2	1407374	0.56	1147692	122.6	60	125	
115In	115	2	3805425	0.17	3129797	121.6	60	125	
Ho-165	165	2	22218198	0.90	18911181	117.5	60	125	

TuneStep	TuneFile
1	h2_hmi.u
2	he_hmi.u

Continuing Calibration Verification (CCV) - US EPA Method 6020

Sample Name	ccv-1394868
Data File Name	0286CCV.D
DataPath	d:\DATA\050212.B
Acq Date Time	2012-05-02T12:53:43-06:00
Type	6-CCV
VialNumber	1107
Dilution	1
Comment	
Operator	LMT
ISTDRefDataFileName	003CALB.D
SamplePassFail	Pass
ISTD PassFail	Pass

QC Analyte Table

Element	m/z	ISTD	Tune Step	Meas Value	%RSD	Units	CPS	CPS%RSD	Exp Value	%Rec	QC Low	QC High	QC Flag
Be	9	6	1	48.97	3.04	ppb	26929.21	2.54	50	97.9	90	110	
Na	23	45	2	5196.57	2.23	ppb	1225116.18	2.94	5000	103.9	90	110	
Mg	24	45	2	4917.06	1.23	ppb	466854.11	0.41	5000	98.3	90	110	
Al	27	45	2	5041.27	2.67	ppb	87803.93	2.08	5000	100.8	90	110	
K	39	45	2	4818.38	0.83	ppb	200481.97	0.68	5000	96.4	90	110	
Ca	44	45	2	5074.05	3.55	ppb	11150.97	2.80	5000	101.5	90	110	
V	51	72	2	49.97	4.77	ppb	64285.65	5.41	50	99.9	90	110	
Cr	52	72	2	49.75	1.22	ppb	92591.52	1.66	50	99.5	90	110	
Mn	55	72	2	52.76	1.50	ppb	28804.61	1.88	50	105.5	90	110	
Fe	57	72	2	4846.40	0.87	ppb	178623.96	0.53	5000	96.9	90	110	
Co	59	72	2	50.64	0.53	ppb	189190.80	1.09	50	101.3	90	110	
Ni	60	72	2	49.33	1.69	ppb	55602.57	1.18	50	98.7	90	110	
Cu	63	72	2	50.45	0.55	ppb	170249.42	0.14	50	100.9	90	110	
Zn	66	72	2	50.68	0.72	ppb	15861.68	0.70	50	101.4	90	110	
As	75	72	2	51.37	4.29	ppb	8115.53	4.67	50	102.7	90	110	
Se	78	72	1	52.07	0.52	ppb	37759.75	0.75	50	104.1	90	110	
Nb	93	72	2	98.25	0.83	ppb	427042.10	1.39	100	98.3	90	110	
Mo	95	115	2	48.56	0.30	ppb	62039.09	1.28	50	97.1	90	110	
Pd	105	115	2	49.99	3.12	ppb	118599.42	2.07	50	100.0	90	110	
Ag	107	115	2	51.32	0.49	ppb	256083.33	0.74	50	102.6	90	110	
Cd	111	115	2	52.70	10.09	ppb	26021.72	8.93	50	105.4	90	110	
Sn	120	115	2	51.10	2.01	ppb	56053.89	1.83	50	102.2	90	110	
Sb	121	115	2	50.60	1.65	ppb	40918.08	1.60	50	101.2	90	110	
Ba	137	115	2	53.82	9.18	ppb	13433.20	10.03	50	107.6	90	110	
W	182	165	2	49.55	0.50	ppb	312232.69	1.40	50	99.1	90	110	
Pt	195	165	2	49.72	1.76	ppb	290284.91	1.24	50	99.4	90	110	
Tl	205	165	2	49.50	1.23	ppb	488731.97	0.49	50	99.0	90	110	
Pb	208	165	2	50.60	1.55	ppb	633697.20	0.68	50	101.2	90	110	
Th	232	165	2	49.30	0.65	ppb	599097.58	0.81	50	98.6	90	110	
U	238	165	2	49.15	1.79	ppb	731944.57	1.21	50	98.3	90	110	

QC ISTD Table

Element	m/z	Tune Step	CPS	%RSD	Ref CPS	%Rec	QC Low	QC High	QC Flag
Li6	6	1	1672046	1.25	1351330	123.7	60	125	
Sc (IS)	45	2	994418	1.19	801966	124.0	60	125	
Ge (IS)	72	1	25809970	0.65	22017207	117.2	60	125	
Ge (IS)	72	2	1375759	0.66	1147692	119.9	60	125	
115In	115	2	3753842	1.13	3129797	119.9	60	125	
Ho-165	165	2	22186321	0.91	18911181	117.3	60	125	

TuneStep	TuneFile
1	h2_hmi.u
2	he_hmi.u

Continuing Calibration Blank (CCB) - US EPA Method 6020

Sample Name	ccb-1394903
Data File Name	0296CCB.D
DataPath	d:\DATA\050212.B
Acq Date Time	2012-05-02T12:56:41-06:00
Type	6-CCB
VialNumber	1307
Dilution	1
Comment	
Operator	LMT
ISTDRefDataFileName	003CALB.D
SamplePassFail	Fail
ISTD PassFail	Pass

QC Analyte Table

Element	m/z	ISTD	Tune Step	Meas Value	%RSD	Units	CPS	CPS %RSD	QC High	QC Flag
Be	9	6	1	0.02	93.81	ppb	8.33	91.65	1	
Na	23	45	2	175.47	5.44	ppb	47015.46	5.40	20	6-CCB Main Failed
Mg	24	45	2	0.71	60.55	ppb	226.68	18.37	20	
Al	27	45	2	-1.19	-173.82	ppb	20.00	173.21	20	
K	39	45	2	-1.64	-373.47	ppb	2253.65	12.05	20	
Ca	44	45	2	10.00	199.78	ppb	53.34	78.07	20	
V	51	72	2	0.10	47.31	ppb	86.70	69.99	1	
Cr	52	72	2	0.02	179.60	ppb	146.68	34.32	1	
Mn	55	72	2	-0.06	-200.52	ppb	93.34	68.88	1	
Fe	57	72	2	2.01	44.40	ppb	206.69	14.78	20	
Co	59	72	2	0.00	691.21	ppb	33.33	34.64	1	
Ni	60	72	2	-0.04	-146.37	ppb	193.35	33.25	1	
Cu	63	72	2	0.01	383.11	ppb	1880.27	8.45	1	
Zn	66	72	2	-0.33	-39.77	ppb	206.68	20.15	5	
As	75	72	2	0.14	96.15	ppb	33.33	62.45	5	
Se	78	72	1	0.03	30.15	ppb	44.00	15.75	5	
Nb	93	72	2	1.10	25.70	ppb	4894.43	23.73	5	
Mo	95	115	2	0.10	57.85	ppb	126.68	55.45	1	
Pd	105	115	2	0.05	37.97	ppb	126.68	32.87	1	
Ag	107	115	2	0.01	107.39	ppb	86.68	48.04	1	
Cd	111	115	2	0.04	173.21	ppb	20.00	173.21	1	
Sn	120	115	2	0.05	133.53	ppb	280.03	25.75	5	
Sb	121	115	2	0.59	36.32	ppb	513.39	34.92	0.2	6-CCB Main Failed
Ba	137	115	2	0.00	#DIV/0!	ppb	0.00	#DIV/0!	1	
W	182	165	2	0.05	16.30	ppb	1280.18	4.13	1	
Pt	195	165	2	0.01	96.77	ppb	140.02	51.51	1	
Tl	205	165	2	0.03	51.32	ppb	373.37	40.56	1	
Pb	208	165	2	0.02	96.45	ppb	1306.82	18.13	1	
Th	232	165	2	0.26	18.95	ppb	3514.02	15.82	1	
U	238	165	2	0.03	18.24	ppb	526.73	17.12	1	

QC ISTD Table

Element	m/z	Tune Step	CPS	%RSD	Ref CPS	%Rec	QC Low	QC High	QC Flag
Li6	6	1	1645070	6.68	1351330	121.7	60	125	
Sc (IS)	45	2	967293	1.97	801966	120.6	60	125	
Ge (IS)	72	1	25613320	8.47	22017207	116.3	60	125	
Ge (IS)	72	2	1356457	0.99	1147692	118.2	60	125	
115In	115	2	3744534	2.56	3129797	119.6	60	125	
Ho-165	165	2	22158406	2.20	18911181	117.2	60	125	

TuneStep	TuneFile
1	h2_hmi.u
2	he_hmi.u

Sample Report

Sample Name	
Data File Name	030SMPL.D
DataPath	d:\DATA\050212.B
Acq Date Time	2012-05-02T12:59:39-06:00
Type	Sample
VialNumber	3
Dilution	1
Comment	
Operator	LMT
ISTDRefDataFileName	003CALB.D
SamplePassFail	Pass
ISTD PassFail	Pass

QC Analyte Table

Element	m/z	ISTD	Tune Step	Meas Value	FinalConc	%RSD	Units	CPS	CPS %RSD	High Value	QC Flag
Be	9	6	1	0.01	0.01	173.21	ppb	3.33	173.21	3600	
Na	23	45	2	127.37	127.37	3.34	ppb	34634.36	2.43	1800000	
Mg	24	45	2	0.66	0.66	274.36	ppb	213.35	75.20	450000	
Al	27	45	2	-1.56	-1.56	-90.93	ppb	13.33	173.21	450000	
K	39	45	2	-4.15	-4.15	-109.67	ppb	2066.98	8.23	180000	
Ca	44	45	2	4.39	4.39	385.25	ppb	40.00	86.60	450000	
V	51	72	2	-0.07	-0.07	-205.19	ppb	-123.89	-135.95	3600	
Cr	52	72	2	-0.01	-0.01	-316.75	ppb	93.34	75.26	3600	
Mn	55	72	2	0.01	0.01	836.95	ppb	126.68	24.12	3600	
Fe	57	72	2	2.33	2.33	160.75	ppb	213.36	62.42	90000	
Co	59	72	2	0.02	0.02	90.11	ppb	86.68	58.08	3600	
Ni	60	72	2	-0.05	-0.05	-77.74	ppb	180.02	22.22	3600	
Cu	63	72	2	0.02	0.02	343.37	ppb	1853.59	11.44	3600	
Zn	66	72	2	0.00	0.00	25566.55	ppb	300.03	52.07	3600	
As	75	72	2	0.03	0.03	112.82	ppb	16.67	34.64	3600	
Se	78	72	1	0.00	0.00	24.41	ppb	20.00	0.00	3600	
Nb	93	72	2	0.28	0.28	21.42	ppb	1380.16	18.16	7200	
Mo	95	115	2	0.06	0.06	41.57	ppb	73.34	41.66	3600	
Pd	105	115	2	0.00	0.00	1.15	ppb	20.00	0.00	3600	
Ag	107	115	2	0.00	0.00	-547.46	ppb	40.00	100.00	900	
Cd	111	115	2	0.01	0.01	173.21	ppb	6.67	173.21	3600	
Sn	120	115	2	-0.01	-0.01	-612.59	ppb	206.69	39.11	3600	
Sb	121	115	2	0.18	0.18	61.67	ppb	180.01	48.43	3600	
Ba	137	115	2	0.00	0.00	#DIV/0!	ppb	0.00	#DIV/0!	3600	
W	182	165	2	0.01	0.01	149.81	ppb	1040.14	11.54	3600	
Pt	195	165	2	0.00	0.00	222.18	ppb	80.00	50.00	3600	
Tl	205	165	2	0.01	0.01	68.62	ppb	120.01	28.87	3600	
Pb	208	165	2	0.02	0.02	111.93	ppb	1320.15	25.49	3600	
Th	232	165	2	0.00	0.00	741.27	ppb	320.03	25.00	3600	
U	238	165	2	0.00	0.00	68.32	ppb	106.68	43.31	3600	

QC ISTD Table

Element	m/z	Tune Step	CPS	%RSD	Ref CPS	%Rec	Lower Limit	Upper Limit	QC Flag
Li6	6	1	1562156	1.30	1351330	115.6	60	125	
Sc (IS)	45	2	929543	0.29	801966	115.9	60	125	
Ge (IS)	72	1	24673015	0.74	22017207	112.1	60	125	
Ge (IS)	72	2	1324383	0.20	1147692	115.4	60	125	
115In	115	2	3697115	0.24	3129797	118.1	60	125	
Ho-165	165	2	21932274	0.43	18911181	116.0	60	125	

TuneStep	TuneFile	TuneDate
1	h2_hmi.u	5/2/2012 12:58:00 PM
2	he_hmi.u	5/2/2012 12:58:00 PM

Sample Report

Sample Name	rinse
Data File Name	031SMPL.D
DataPath	d:\DATA\050212.B
Acq Date Time	2012-05-02T13:02:38-06:00
Type	Sample
VialNumber	3
Dilution	1
Comment	
Operator	LMT
ISTDRefDataFileName	003CALB.D
SamplePassFail	Pass
ISTD PassFail	Pass

QC Analyte Table

Element	m/z	ISTD	Tune Step	Meas Value	FinalConc	%RSD	Units	CPS	CPS %RSD	High Value	QC Flag
Be	9	6	1	0.01	0.01	100.28	ppb	5.00	100.00	3600	
Na	23	45	2	109.81	109.81	5.79	ppb	29371.85	2.86	1800000	
Mg	24	45	2	0.62	0.62	44.21	ppb	200.02	10.00	450000	
Al	27	45	2	1.03	1.03	378.85	ppb	53.34	114.57	450000	
K	39	45	2	-2.11	-2.11	-107.67	ppb	2046.97	2.46	180000	
Ca	44	45	2	-15.15	-15.15	0.00	ppb	0.00	#DIV/0!	450000	
V	51	72	2	0.03	0.03	239.07	ppb	-7.82	-1001.95	3600	
Cr	52	72	2	-0.01	-0.01	-262.41	ppb	86.67	70.50	3600	
Mn	55	72	2	0.18	0.18	149.05	ppb	206.69	62.96	3600	
Fe	57	72	2	0.61	0.61	395.79	ppb	146.68	56.77	90000	
Co	59	72	2	0.00	0.00	1162.79	ppb	33.34	124.90	3600	
Ni	60	72	2	-0.10	-0.10	-26.76	ppb	113.34	26.95	3600	
Cu	63	72	2	-0.05	-0.05	-29.97	ppb	1573.54	3.88	3600	
Zn	66	72	2	0.11	0.11	266.15	ppb	320.03	27.24	3600	
As	75	72	2	-0.01	-0.01	-1450.87	ppb	10.00	173.21	3600	
Se	78	72	1	0.01	0.01	526.35	ppb	22.67	88.82	3600	
Nb	93	72	2	0.18	0.18	15.30	ppb	906.77	12.74	7200	
Mo	95	115	2	0.04	0.04	44.61	ppb	53.34	43.31	3600	
Pd	105	115	2	0.02	0.02	60.72	ppb	66.67	45.83	3600	
Ag	107	115	2	-0.01	-0.01	-80.79	ppb	20.00	100.00	900	
Cd	111	115	2	0.00	0.00	#DIV/0!	ppb	0.00	#DIV/0!	3600	
Sn	120	115	2	0.06	0.06	118.94	ppb	266.69	24.11	3600	
Sb	121	115	2	0.19	0.19	71.68	ppb	180.02	57.74	3600	
Ba	137	115	2	0.00	0.00	#DIV/0!	ppb	0.00	#DIV/0!	3600	
W	182	165	2	0.01	0.01	116.55	ppb	993.46	5.07	3600	
Pt	195	165	2	0.00	0.00	490.27	ppb	66.67	45.83	3600	
Tl	205	165	2	0.01	0.01	70.72	ppb	193.35	46.65	3600	
Pb	208	165	2	0.01	0.01	261.46	ppb	1086.79	20.27	3600	
Th	232	165	2	-0.01	-0.01	-122.51	ppb	240.02	33.33	3600	
U	238	165	2	0.00	0.00	137.75	ppb	46.67	24.75	3600	

QC ISTD Table

Element	m/z	Tune Step	CPS	%RSD	Ref CPS	%Rec	Lower Limit	Upper Limit	QC Flag
Li6	6	1	1502186	3.57	1351330	111.2	60	125	
Sc (IS)	45	2	887157	1.62	801966	110.6	60	125	
Ge (IS)	72	1	23899328	0.69	22017207	108.5	60	125	
Ge (IS)	72	2	1272552	1.52	1147692	110.9	60	125	
115In	115	2	3530233	1.22	3129797	112.8	60	125	
Ho-165	165	2	21433696	2.19	18911181	113.3	60	125	

TuneStep	TuneFile	TuneDate
1	h2_hmi.u	5/2/2012 1:01:00 PM
2	he_hmi.u	5/2/2012 1:01:00 PM

Sample Report

Sample Name	rinse
Data File Name	032SMPL.D
DataPath	d:\DATA\050212.B
Acq Date Time	2012-05-02T13:05:34-06:00
Type	Sample
VialNumber	3
Dilution	1
Comment	
Operator	LMT
ISTDRefDataFileName	003CALB.D
SamplePassFail	Pass
ISTD PassFail	Pass

QC Analyte Table

Element	m/z	ISTD	Tune Step	Meas Value	FinalConc	%RSD	Units	CPS	CPS %RSD	High Value	QC Flag
Be	9	6	1	0.01	0.01	173.21	ppb	6.67	173.21	3600	
Na	23	45	2	96.56	96.56	1.59	ppb	26707.87	0.79	1800000	
Mg	24	45	2	1.23	1.23	116.13	ppb	253.36	48.24	450000	
Al	27	45	2	-1.09	-1.09	-118.33	ppb	20.00	100.00	450000	
K	39	45	2	-3.80	-3.80	-216.21	ppb	1993.62	15.56	180000	
Ca	44	45	2	-1.60	-1.60	-1462.25	ppb	26.67	173.21	450000	
V	51	72	2	0.09	0.09	95.06	ppb	65.91	152.80	3600	
Cr	52	72	2	0.02	0.02	84.15	ppb	146.68	20.83	3600	
Mn	55	72	2	0.15	0.15	79.28	ppb	193.35	31.60	3600	
Fe	57	72	2	-0.93	-0.93	-190.89	ppb	93.34	65.47	90000	
Co	59	72	2	0.00	0.00	1096.41	ppb	33.33	124.90	3600	
Ni	60	72	2	-0.06	-0.06	-58.18	ppb	160.01	21.65	3600	
Cu	63	72	2	-0.05	-0.05	-179.34	ppb	1573.56	16.35	3600	
Zn	66	72	2	0.29	0.29	96.17	ppb	366.70	20.65	3600	
As	75	72	2	0.15	0.15	69.08	ppb	33.33	45.83	3600	
Se	78	72	1	0.02	0.02	80.17	ppb	32.00	33.07	3600	
Nb	93	72	2	0.12	0.12	7.77	ppb	686.75	6.07	7200	
Mo	95	115	2	0.09	0.09	8.86	ppb	113.35	10.19	3600	
Pd	105	115	2	0.01	0.01	2.42	ppb	40.00	0.00	3600	
Ag	107	115	2	0.00	0.00	638.07	ppb	53.34	94.37	900	
Cd	111	115	2	0.00	0.00	#DIV/0!	ppb	0.00	#DIV/0!	3600	
Sn	120	115	2	0.01	0.01	423.03	ppb	226.69	26.96	3600	
Sb	121	115	2	0.07	0.07	41.04	ppb	93.34	24.74	3600	
Ba	137	115	2	0.00	0.00	#DIV/0!	ppb	0.00	#DIV/0!	3600	
W	182	165	2	0.00	0.00	-1166.44	ppb	946.78	3.23	3600	
Pt	195	165	2	0.00	0.00	476.06	ppb	73.34	78.74	3600	
Tl	205	165	2	0.00	0.00	220.79	ppb	113.34	87.05	3600	
Pb	208	165	2	0.03	0.03	68.92	ppb	1326.83	15.69	3600	
Th	232	165	2	-0.01	-0.01	-48.59	ppb	200.02	26.46	3600	
U	238	165	2	0.00	0.00	167.16	ppb	86.67	93.27	3600	

QC ISTD Table

Element	m/z	Tune Step	CPS	%RSD	Ref CPS	%Rec	Lower Limit	Upper Limit	QC Flag
Li6	6	1	1500546	5.78	1351330	111.0	60	125	
Sc (IS)	45	2	890237	0.42	801966	111.0	60	125	
Ge (IS)	72	1	23895491	6.74	22017207	108.5	60	125	
Ge (IS)	72	2	1265644	0.57	1147692	110.3	60	125	
115In	115	2	3567241	1.49	3129797	114.0	60	125	
Ho-165	165	2	21707553	0.78	18911181	114.8	60	125	

TuneStep	TuneFile	TuneDate
1	h2_hmi.u	5/2/2012 1:04:00 PM
2	he_hmi.u	5/2/2012 1:04:00 PM

Continuing Calibration Verification (CCV) - US EPA Method 6020

Sample Name	ccv-1394868
Data File Name	0336CCV.D
DataPath	d:\DATA\050212.B
Acq Date Time	2012-05-02T13:08:32-06:00
Type	6-CCV
VialNumber	1107
Dilution	1
Comment	
Operator	LMT
ISTDRefDataFileName	003CALB.D
SamplePassFail	Pass
ISTD PassFail	Pass

QC Analyte Table

Element	m/z	ISTD	Tune Step	Meas Value	%RSD	Units	CPS	CPS%RSD	Exp Value	%Rec	QC Low	QC High	QC Flag
Be	9	6	1	50.05	0.78	ppb	22822.23	0.74	50	100.1	90	110	
Na	23	45	2	4894.34	0.85	ppb	1001036.49	0.62	5000	97.9	90	110	
Mg	24	45	2	4941.81	0.19	ppb	406984.71	0.48	5000	98.8	90	110	
Al	27	45	2	5090.87	0.36	ppb	76914.42	0.87	5000	101.8	90	110	
K	39	45	2	4891.93	1.85	ppb	176520.91	2.20	5000	97.8	90	110	
Ca	44	45	2	5128.68	7.13	ppb	9776.83	7.02	5000	102.6	90	110	
V	51	72	2	50.23	3.49	ppb	57918.20	3.57	50	100.5	90	110	
Cr	52	72	2	49.31	2.43	ppb	82276.11	2.75	50	98.6	90	110	
Mn	55	72	2	53.35	1.02	ppb	26107.25	0.86	50	106.7	90	110	
Fe	57	72	2	4706.54	0.77	ppb	155510.55	1.06	5000	94.1	90	110	
Co	59	72	2	50.08	0.69	ppb	167724.27	0.83	50	100.2	90	110	
Ni	60	72	2	49.59	1.01	ppb	50112.19	1.17	50	99.2	90	110	
Cu	63	72	2	49.03	1.18	ppb	148367.87	1.10	50	98.1	90	110	
Zn	66	72	2	49.27	6.45	ppb	13833.17	6.58	50	98.5	90	110	
As	75	72	2	51.89	5.07	ppb	7348.48	5.38	50	103.8	90	110	
Se	78	72	1	52.09	1.26	ppb	32834.12	1.34	50	104.2	90	110	
Nb	93	72	2	97.49	1.00	ppb	379836.35	0.78	100	97.5	90	110	
Mo	95	115	2	48.25	2.64	ppb	57396.56	2.85	50	96.5	90	110	
Pd	105	115	2	48.62	0.30	ppb	107433.75	0.10	50	97.2	90	110	
Ag	107	115	2	50.05	0.76	ppb	232580.98	0.77	50	100.1	90	110	
Cd	111	115	2	51.23	4.17	ppb	23577.73	4.32	50	102.5	90	110	
Sn	120	115	2	52.46	1.84	ppb	53592.64	1.79	50	104.9	90	110	
Sb	121	115	2	49.93	2.93	ppb	37603.47	3.05	50	99.9	90	110	
Ba	137	115	2	53.05	4.84	ppb	12325.49	5.07	50	106.1	90	110	
W	182	165	2	50.26	0.89	ppb	303559.06	1.07	50	100.5	90	110	
Pt	195	165	2	49.07	0.53	ppb	274666.40	1.05	50	98.1	90	110	
Tl	205	165	2	50.25	1.16	ppb	475627.49	0.78	50	100.5	90	110	
Pb	208	165	2	50.35	1.14	ppb	604381.58	0.61	50	100.7	90	110	
Th	232	165	2	50.72	0.50	ppb	590760.99	0.47	50	101.4	90	110	
U	238	165	2	50.60	0.24	ppb	722329.47	0.31	50	101.2	90	110	

QC ISTD Table

Element	m/z	Tune Step	CPS	%RSD	Ref CPS	%Rec	QC Low	QC High	QC Flag
Li6	6	1	1386435	0.34	1351330	102.6	60	125	
Sc (IS)	45	2	862478	0.56	801966	107.5	60	125	
Ge (IS)	72	1	22432750	0.58	22017207	101.9	60	125	
Ge (IS)	72	2	1233248	0.34	1147692	107.5	60	125	
115In	115	2	3495745	0.24	3129797	111.7	60	125	
Ho-165	165	2	21266523	0.53	18911181	112.5	60	125	

TuneStep	TuneFile
1	h2_hmi.u
2	he_hmi.u

Continuing Calibration Blank (CCB) - US EPA Method 6020

Sample Name	ccb-1394903
Data File Name	0346CCB.D
DataPath	d:\DATA\050212.B
Acq Date Time	2012-05-02T13:11:31-06:00
Type	6-CCB
VialNumber	1307
Dilution	1
Comment	
Operator	LMT
ISTDRefDataFileName	003CALB.D
SamplePassFail	Fail
ISTD PassFail	Pass

QC Analyte Table

Element	m/z	ISTD	Tune Step	Meas Value	%RSD	Units	CPS	CPS %RSD	QC High	QC Flag
Be	9	6	1	0.03	88.24	ppb	15.00	88.19	1	
Na	23	45	2	79.77	3.27	ppb	21967.93	2.87	20	6-CCB Main Failed
Mg	24	45	2	0.64	117.52	ppb	193.35	33.25	20	
Al	27	45	2	3.91	77.90	ppb	93.34	49.49	20	
K	39	45	2	2.75	452.16	ppb	2120.32	21.99	20	
Ca	44	45	2	-0.48	-5292.30	ppb	26.67	173.21	20	
V	51	72	2	0.09	135.48	ppb	60.43	218.88	1	
Cr	52	72	2	0.04	80.69	ppb	166.68	30.20	1	
Mn	55	72	2	-0.14	-97.83	ppb	46.67	137.77	1	
Fe	57	72	2	1.48	144.69	ppb	166.68	42.14	20	
Co	59	72	2	0.00	797.99	ppb	33.34	124.90	1	
Ni	60	72	2	-0.02	-57.61	ppb	193.35	5.97	1	
Cu	63	72	2	0.04	132.55	ppb	1746.92	9.87	1	
Zn	66	72	2	-0.15	-324.11	ppb	233.36	55.77	5	
As	75	72	2	0.12	286.52	ppb	26.67	173.21	5	
Se	78	72	1	0.05	50.77	ppb	49.33	32.77	5	
Nb	93	72	2	0.86	10.73	ppb	3460.62	10.42	5	
Mo	95	115	2	0.14	33.70	ppb	160.02	33.07	1	
Pd	105	115	2	0.05	36.53	ppb	133.35	31.23	1	
Ag	107	115	2	0.00	103.49	ppb	66.67	34.65	1	
Cd	111	115	2	0.13	88.52	ppb	60.01	88.19	1	
Sn	120	115	2	0.14	135.64	ppb	346.70	54.53	5	
Sb	121	115	2	0.34	71.97	ppb	286.70	62.53	0.2	6-CCB Main Failed
Ba	137	115	2	0.03	173.21	ppb	6.67	173.21	1	
W	182	165	2	0.07	32.58	ppb	1313.51	11.02	1	
Pt	195	165	2	0.01	61.84	ppb	106.67	28.64	1	
Tl	205	165	2	0.02	26.69	ppb	253.36	19.87	1	
Pb	208	165	2	0.04	28.36	ppb	1493.50	10.74	1	
Th	232	165	2	0.26	25.37	ppb	3227.33	22.09	1	
U	238	165	2	0.03	20.59	ppb	480.05	18.16	1	

QC ISTD Table

Element	m/z	Tune Step	CPS	%RSD	Ref CPS	%Rec	QC Low	QC High	QC Flag
Li6	6	1	1378132	0.36	1351330	102.0	60	125	
Sc (IS)	45	2	843537	2.08	801966	105.2	60	125	
Ge (IS)	72	1	21718679	0.54	22017207	98.6	60	125	
Ge (IS)	72	2	1203158	1.04	1147692	104.8	60	125	
115In	115	2	3442663	1.19	3129797	110.0	60	125	
Ho-165	165	2	20920081	1.10	18911181	110.6	60	125	

TuneStep	TuneFile
1	h2_hmi.u
2	he_hmi.u

Sample Report

Sample Name	280-28063-B-11-B@5
Data File Name	035SMPL.D
DataPath	d:\DATA\050212.B
Acq Date Time	2012-05-02T13:14:27-06:00
Type	Sample
VialNumber	2201
Dilution	1
Comment	116805 6020
Operator	LMT
ISTDRefDataFileName	003CALB.D
SamplePassFail	Pass
ISTD PassFail	Pass

QC Analyte Table

Element	m/z	ISTD	Tune Step	Meas Value	FinalConc	%RSD	Units	CPS	CPS %RSD	High Value	QC Flag
Be	9	6	1	0.01	0.01	86.60	ppb	3.33	86.60	3600	
Na	23	45	2	1154539.56	1154539.56	5.39	ppb	233844956.52	3.80	1800000	
Mg	24	45	2	28165.35	28165.35	4.43	ppb	2310923.25	2.78	450000	
Al	27	45	2	19.92	19.92	43.95	ppb	333.37	36.66	450000	
K	39	45	2	3907.90	3907.90	5.40	ppb	140985.07	5.25	180000	
Ca	44	45	2	146968.49	146968.49	5.53	ppb	278435.52	4.52	450000	
V	51	72	2	3.30	3.30	10.86	ppb	3422.81	9.78	3600	
Cr	52	72	2	0.12	0.12	49.22	ppb	273.36	27.70	3600	
Mn	55	72	2	10.37	10.37	6.74	ppb	4694.32	4.69	3600	
Fe	57	72	2	14.51	14.51	9.55	ppb	546.72	9.21	90000	
Co	59	72	2	0.02	0.02	145.89	ppb	73.34	95.78	3600	
Ni	60	72	2	0.30	0.30	47.57	ppb	473.39	29.98	3600	
Cu	63	72	2	0.13	0.13	90.69	ppb	1866.92	18.88	3600	
Zn	66	72	2	0.57	0.57	87.75	ppb	393.37	28.00	3600	
As	75	72	2	9.22	9.22	15.77	ppb	1200.10	18.77	3600	
Se	78	72	1	4.04	4.04	6.67	ppb	1944.14	6.67	3600	
Nb	93	72	2	0.39	0.39	18.55	ppb	1546.87	16.63	7200	
Mo	95	115	2	8.74	8.74	4.51	ppb	9163.19	2.31	3600	
Pd	105	115	2	0.01	0.01	81.81	ppb	26.67	43.30	3600	
Ag	107	115	2	0.00	0.00	-160.87	ppb	33.33	34.64	900	
Cd	111	115	2	0.15	0.15	102.48	ppb	60.01	100.00	3600	
Sn	120	115	2	2.65	2.65	16.50	ppb	2553.76	12.69	3600	
Sb	121	115	2	0.32	0.32	49.53	ppb	240.02	38.19	3600	
Ba	137	115	2	2.30	2.30	28.92	ppb	473.39	32.27	3600	
W	182	165	2	0.02	0.02	48.64	ppb	893.45	7.20	3600	
Pt	195	165	2	0.00	0.00	-300.13	ppb	40.00	100.00	3600	
Tl	205	165	2	0.01	0.01	83.35	ppb	120.01	44.10	3600	
Pb	208	165	2	0.03	0.03	37.60	ppb	1126.80	11.41	3600	
Th	232	165	2	0.25	0.25	26.36	ppb	2787.21	25.85	3600	
U	238	165	2	4.58	4.58	6.54	ppb	56954.09	3.67	3600	

QC ISTD Table

Element	m/z	Tune Step	CPS	%RSD	Ref CPS	%Rec	Lower Limit	Upper Limit	QC Flag
Li6	6	1	1124046	1.18	1351330	83.2	60	125	
Sc (IS)	45	2	860179	3.34	801966	107.3	60	125	
Ge (IS)	72	1	17009679	0.75	22017207	77.3	60	125	
Ge (IS)	72	2	1122155	3.75	1147692	97.8	60	125	
115In	115	2	3082805	4.41	3129797	98.5	60	125	
Ho-165	165	2	18529460	2.95	18911181	98.0	60	125	

TuneStep	TuneFile	TuneDate
1	h2_hmi.u	5/2/2012 1:13:00 PM
2	he_hmi.u	5/2/2012 1:13:00 PM

Sample Report

Sample Name	280-28063-B-12-B@5
Data File Name	036SMPL.D
DataPath	d:\DATA\050212.B
Acq Date Time	2012-05-02T13:17:23-06:00
Type	Sample
VialNumber	2202
Dilution	1
Comment	116805 6020
Operator	LMT
ISTDRefDataFileName	003CALB.D
SamplePassFail	Pass
ISTD PassFail	Pass

QC Analyte Table

Element	m/z	ISTD	Tune Step	Meas Value	FinalConc	%RSD	Units	CPS	CPS %RSD	High Value	QC Flag
Be	9	6	1	0.02	0.02	86.64	ppb	6.67	86.60	3600	
Na	23	45	2	905855.74	905855.74	1.30	ppb	186156250.56	1.45	1800000	
Mg	24	45	2	24405.21	24405.21	0.54	ppb	2031484.29	0.89	450000	
Al	27	45	2	94.06	94.06	13.61	ppb	1473.52	14.13	450000	
K	39	45	2	3572.60	3572.60	1.78	ppb	130912.04	2.82	180000	
Ca	44	45	2	150901.18	150901.18	1.44	ppb	290047.02	2.30	450000	
V	51	72	2	2.90	2.90	8.66	ppb	3057.40	7.27	3600	
Cr	52	72	2	0.41	0.41	22.70	ppb	733.43	20.65	3600	
Mn	55	72	2	3.81	3.81	8.59	ppb	1826.92	9.12	3600	
Fe	57	72	2	81.33	81.33	19.77	ppb	2593.80	17.81	90000	
Co	59	72	2	0.03	0.03	52.80	ppb	106.68	39.03	3600	
Ni	60	72	2	0.06	0.06	113.31	ppb	260.02	27.73	3600	
Cu	63	72	2	0.61	0.61	31.36	ppb	3227.29	17.05	3600	
Zn	66	72	2	2.45	2.45	37.92	ppb	880.10	25.31	3600	
As	75	72	2	1.86	1.86	20.11	ppb	253.35	18.23	3600	
Se	78	72	1	8.54	8.54	1.57	ppb	4495.29	0.78	3600	
Nb	93	72	2	0.18	0.18	38.57	ppb	813.43	31.33	7200	
Mo	95	115	2	18.27	18.27	3.01	ppb	19485.58	4.89	3600	
Pd	105	115	2	0.02	0.02	151.62	ppb	53.34	114.57	3600	
Ag	107	115	2	0.00	0.00	827.51	ppb	46.67	107.86	900	
Cd	111	115	2	0.10	0.10	51.44	ppb	40.00	50.01	3600	
Sn	120	115	2	0.16	0.16	80.91	ppb	326.70	33.72	3600	
Sb	121	115	2	0.20	0.20	42.05	ppb	166.69	34.64	3600	
Ba	137	115	2	2.89	2.89	26.23	ppb	600.07	25.16	3600	
W	182	165	2	-0.01	-0.01	-396.05	ppb	806.75	12.72	3600	
Pt	195	165	2	0.00	0.00	-110.69	ppb	33.34	69.29	3600	
Tl	205	165	2	0.01	0.01	78.28	ppb	113.35	36.74	3600	
Pb	208	165	2	0.10	0.10	4.11	ppb	1993.57	1.53	3600	
Th	232	165	2	0.14	0.14	19.50	ppb	1780.30	17.30	3600	
U	238	165	2	0.82	0.82	4.18	ppb	10524.47	4.09	3600	

QC ISTD Table

Element	m/z	Tune Step	CPS	%RSD	Ref CPS	%Rec	Lower Limit	Upper Limit	QC Flag
Li6	6	1	1269705	2.49	1351330	94.0	60	125	
Sc (IS)	45	2	872018	1.31	801966	108.7	60	125	
Ge (IS)	72	1	18693794	0.81	22017207	84.9	60	125	
Ge (IS)	72	2	1141537	1.49	1147692	99.5	60	125	
115In	115	2	3132178	1.87	3129797	100.1	60	125	
Ho-165	165	2	19102182	0.86	18911181	101.0	60	125	

TuneStep	TuneFile	TuneDate
1	h2_hmi.u	5/2/2012 1:16:00 PM
2	he_hmi.u	5/2/2012 1:16:00 PM

Sample Report

Sample Name	280-28063-B-13-B@5
Data File Name	037SMPL.D
DataPath	d:\DATA\050212.B
Acq Date Time	2012-05-02T13:20:19-06:00
Type	Sample
VialNumber	2203
Dilution	1
Comment	116805 6020
Operator	LMT
ISTDRefDataFileName	003CALB.D
SamplePassFail	Pass
ISTD PassFail	Pass

QC Analyte Table

Element	m/z	ISTD	Tune Step	Meas Value	FinalConc	%RSD	Units	CPS	CPS %RSD	High Value	QC Flag
Be	9	6	1	0.03	0.03	139.07	ppb	11.67	137.77	3600	
Na	23	45	2	993414.31	993414.31	0.69	ppb	207773103.57	0.36	1800000	
Mg	24	45	2	34029.27	34029.27	1.02	ppb	2882842.56	1.04	450000	
Al	27	45	2	26.82	26.82	14.74	ppb	453.37	12.73	450000	
K	39	45	2	3995.77	3995.77	1.96	ppb	148738.29	1.54	180000	
Ca	44	45	2	182340.52	182340.52	0.42	ppb	356675.02	1.11	450000	
V	51	72	2	3.83	3.83	10.74	ppb	4061.01	10.63	3600	
Cr	52	72	2	0.32	0.32	8.44	ppb	586.72	7.10	3600	
Mn	55	72	2	2.76	2.76	16.37	ppb	1353.50	15.53	3600	
Fe	57	72	2	22.01	22.01	21.77	ppb	786.76	18.74	90000	
Co	59	72	2	0.03	0.03	130.02	ppb	120.01	101.38	3600	
Ni	60	72	2	0.21	0.21	19.07	ppb	400.04	10.00	3600	
Cu	63	72	2	0.03	0.03	255.25	ppb	1626.88	12.32	3600	
Zn	66	72	2	0.45	0.45	51.92	ppb	373.37	16.37	3600	
As	75	72	2	4.77	4.77	37.41	ppb	636.71	37.25	3600	
Se	78	72	1	3.78	3.78	3.42	ppb	1969.48	3.64	3600	
Nb	93	72	2	0.12	0.12	46.88	ppb	620.07	33.99	7200	
Mo	95	115	2	7.65	7.65	5.73	ppb	8102.47	5.04	3600	
Pd	105	115	2	0.00	0.00	-164289.45	ppb	13.33	86.60	3600	
Ag	107	115	2	0.00	0.00	-237.86	ppb	26.67	114.57	900	
Cd	111	115	2	0.13	0.13	44.15	ppb	53.34	43.31	3600	
Sn	120	115	2	0.11	0.11	202.25	ppb	280.03	68.88	3600	
Sb	121	115	2	0.23	0.23	25.91	ppb	186.68	22.30	3600	
Ba	137	115	2	3.06	3.06	10.80	ppb	633.41	9.65	3600	
W	182	165	2	0.01	0.01	253.81	ppb	866.78	14.10	3600	
Pt	195	165	2	-0.01	-0.01	-176.86	ppb	26.67	173.21	3600	
Tl	205	165	2	0.01	0.01	148.80	ppb	106.68	65.85	3600	
Pb	208	165	2	0.04	0.04	23.55	ppb	1260.13	7.27	3600	
Th	232	165	2	0.09	0.09	14.07	ppb	1160.16	11.31	3600	
U	238	165	2	1.58	1.58	1.31	ppb	19874.18	0.99	3600	

QC ISTD Table

Element	m/z	Tune Step	CPS	%RSD	Ref CPS	%Rec	Lower Limit	Upper Limit	QC Flag
Li6	6	1	1319310	2.47	1351330	97.6	60	125	
Sc (IS)	45	2	887497	0.97	801966	110.7	60	125	
Ge (IS)	72	1	18429594	0.96	22017207	83.7	60	125	
Ge (IS)	72	2	1143798	0.45	1147692	99.7	60	125	
115In	115	2	3113265	1.53	3129797	99.5	60	125	
Ho-165	165	2	18709642	0.48	18911181	98.9	60	125	

TuneStep	TuneFile	TuneDate
1	h2_hmi.u	5/2/2012 1:19:00 PM
2	he_hmi.u	5/2/2012 1:19:00 PM

Continuing Calibration Verification (CCV) - US EPA Method 6020

Sample Name	ccv-1394868
Data File Name	0386CCV.D
DataPath	d:\DATA\050212.B
Acq Date Time	2012-05-02T13:23:18-06:00
Type	6-CCV
VialNumber	1107
Dilution	1
Comment	
Operator	LMT
ISTDRefDataFileName	003CALB.D
SamplePassFail	Fail
ISTD PassFail	Pass

QC Analyte Table

Element	m/z	ISTD	Tune Step	Meas Value	%RSD	Units	CPS	CPS%RSD	Exp Value	%Rec	QC Low	QC High	QC Flag
Be	9	6	1	48.60	1.09	ppb	25811.01	0.46	50	97.2	90	110	
Na	23	45	2	5631.35	1.37	ppb	1234050.73	0.49	5000	112.6	90	110	6-CCV Main Failed
Mg	24	45	2	5130.52	0.72	ppb	453081.93	0.26	5000	102.6	90	110	
Al	27	45	2	5150.96	1.24	ppb	83448.91	0.90	5000	103.0	90	110	
K	39	45	2	4878.80	1.55	ppb	188771.61	0.87	5000	97.6	90	110	
Ca	44	45	2	5078.21	5.46	ppb	10383.82	5.93	5000	101.6	90	110	
V	51	72	2	49.47	5.58	ppb	60416.11	5.51	50	98.9	90	110	
Cr	52	72	2	49.59	3.25	ppb	87620.57	2.47	50	99.2	90	110	
Mn	55	72	2	53.06	1.48	ppb	27502.69	1.89	50	106.1	90	110	
Fe	57	72	2	4810.45	0.97	ppb	168343.03	0.43	5000	96.2	90	110	
Co	59	72	2	50.59	0.73	ppb	179441.16	0.16	50	101.2	90	110	
Ni	60	72	2	50.23	2.69	ppb	53756.04	2.31	50	100.5	90	110	
Cu	63	72	2	51.03	1.89	ppb	163470.85	1.10	50	102.1	90	110	
Zn	66	72	2	52.01	4.65	ppb	15447.91	4.27	50	104.0	90	110	
As	75	72	2	48.57	2.28	ppb	7285.11	2.35	50	97.1	90	110	
Se	78	72	1	54.23	3.10	ppb	37239.99	1.29	50	108.5	90	110	
Nb	93	72	2	98.00	1.13	ppb	404404.88	0.79	100	98.0	90	110	
Mo	95	115	2	50.21	1.79	ppb	61804.46	0.64	50	100.4	90	110	
Pd	105	115	2	50.06	3.11	ppb	114461.95	2.12	50	100.1	90	110	
Ag	107	115	2	51.94	0.73	ppb	249779.03	0.86	50	103.9	90	110	
Cd	111	115	2	50.84	4.59	ppb	24205.33	3.21	50	101.7	90	110	
Sn	120	115	2	51.98	1.44	ppb	54963.76	2.96	50	104.0	90	110	
Sb	121	115	2	48.83	1.30	ppb	38051.61	0.26	50	97.7	90	110	
Ba	137	115	2	52.70	5.95	ppb	12665.83	5.31	50	105.4	90	110	
W	182	165	2	50.36	0.44	ppb	316735.85	0.41	50	100.7	90	110	
Pt	195	165	2	49.91	0.39	ppb	290902.14	0.30	50	99.8	90	110	
Tl	205	165	2	50.27	0.95	ppb	495426.10	0.97	50	100.5	90	110	
Pb	208	165	2	50.00	1.12	ppb	625027.94	1.20	50	100.0	90	110	
Th	232	165	2	49.54	0.42	ppb	600972.02	0.33	50	99.1	90	110	
U	238	165	2	49.93	0.60	ppb	742244.47	0.66	50	99.9	90	110	

QC ISTD Table

Element	m/z	Tune Step	CPS	%RSD	Ref CPS	%Rec	QC Low	QC High	QC Flag
Li6	6	1	1614594	0.81	1351330	119.5	60	125	
Sc (IS)	45	2	924902	0.98	801966	115.3	60	125	
Ge (IS)	72	1	24448371	1.78	22017207	111.0	60	125	
Ge (IS)	72	2	1306277	0.77	1147692	113.8	60	125	
115In	115	2	3617997	1.56	3129797	115.6	60	125	
Ho-165	165	2	22145922	0.09	18911181	117.1	60	125	

TuneStep	TuneFile
1	h2_hmi.u
2	he_hmi.u

Continuing Calibration Blank (CCB) - US EPA Method 6020

Sample Name	ccb-1394903
Data File Name	0396CCB.D
DataPath	d:\DATA\050212.B
Acq Date Time	2012-05-02T13:26:17-06:00
Type	6-CCB
VialNumber	1307
Dilution	1
Comment	
Operator	LMT
ISTDRefDataFileName	003CALB.D
SamplePassFail	Fail
ISTD PassFail	Pass

QC Analyte Table

Element	m/z	ISTD	Tune Step	Meas Value	%RSD	Units	CPS	CPS %RSD	QC High	QC Flag
Be	9	6	1	0.02	70.00	ppb	8.33	69.28	1	
Na	23	45	2	232.44	4.01	ppb	56722.77	2.64	20	6-CCB Main Failed
Mg	24	45	2	2.83	15.09	ppb	400.05	10.00	20	
Al	27	45	2	1.78	105.48	ppb	66.67	45.83	20	
K	39	45	2	-2.56	-205.28	ppb	2093.63	8.67	20	
Ca	44	45	2	4.59	429.78	ppb	40.00	100.00	20	
V	51	72	2	-0.01	-1919.69	ppb	-48.33	-299.40	1	
Cr	52	72	2	0.00	-992.68	ppb	106.68	57.29	1	
Mn	55	72	2	-0.04	-196.56	ppb	100.01	40.00	1	
Fe	57	72	2	0.74	119.51	ppb	153.34	19.92	20	
Co	59	72	2	0.02	146.43	ppb	93.34	98.98	1	
Ni	60	72	2	-0.06	-51.85	ppb	166.68	18.33	1	
Cu	63	72	2	0.07	203.32	ppb	1960.27	21.72	1	
Zn	66	72	2	-0.02	-1515.94	ppb	286.70	32.22	5	
As	75	72	2	-0.01	-774.51	ppb	10.00	100.00	5	
Se	78	72	1	0.05	12.03	ppb	50.67	9.12	5	
Nb	93	72	2	0.92	25.63	ppb	3974.19	24.26	5	
Mo	95	115	2	0.08	19.39	ppb	100.01	20.00	1	
Pd	105	115	2	0.02	79.96	ppb	53.34	57.29	1	
Ag	107	115	2	0.01	60.17	ppb	80.01	25.00	1	
Cd	111	115	2	0.08	49.91	ppb	40.00	50.01	1	
Sn	120	115	2	0.15	44.60	ppb	366.71	19.16	5	
Sb	121	115	2	0.18	115.61	ppb	180.02	90.95	0.2	
Ba	137	115	2	0.17	0.70	ppb	40.00	0.00	1	
W	182	165	2	0.05	37.91	ppb	1300.17	10.09	1	
Pt	195	165	2	0.02	56.40	ppb	186.69	37.63	1	
Tl	205	165	2	0.03	58.40	ppb	326.69	45.95	1	
Pb	208	165	2	0.01	56.85	ppb	1173.46	7.10	1	
Th	232	165	2	0.24	11.94	ppb	3160.61	11.03	1	
U	238	165	2	0.03	21.02	ppb	420.05	19.05	1	

QC ISTD Table

Element	m/z	Tune Step	CPS	%RSD	Ref CPS	%Rec	QC Low	QC High	QC Flag
Li6	6	1	1563575	0.72	1351330	115.7	60	125	
Sc (IS)	45	2	914713	0.90	801966	114.1	60	125	
Ge (IS)	72	1	23970727	1.51	22017207	108.9	60	125	
Ge (IS)	72	2	1294647	0.14	1147692	112.8	60	125	
115In	115	2	3594967	0.70	3129797	114.9	60	125	
Ho-165	165	2	22041161	0.45	18911181	116.6	60	125	

TuneStep	TuneFile
1	h2_hmi.u
2	he_hmi.u

Sample Report

Sample Name	280-28286-B-6-B@2
Data File Name	040SMPL.D
DataPath	d:\DATA\050212.B
Acq Date Time	2012-05-02T13:29:14-06:00
Type	Sample
VialNumber	2208
Dilution	1
Comment	117485 6020
Operator	LMT
ISTDRefDataFileName	003CALB.D
SamplePassFail	Fail
ISTD PassFail	Pass

QC Analyte Table

Element	m/z	ISTD	Tune Step	Meas Value	FinalConc	%RSD	Units	CPS	CPS%RSD	High Value	QC Flag
Be	9	6	1	0.08	0.08	28.14	ppb	21.67	26.65	3600	
Na	23	45	2	7389997.30	7389997.30	0.66	ppb	1353027899.84	3.68	1800000	Sample Main Failed
Mg	24	45	2	360945.34	360945.34	0.84	ppb	26764641.27	3.34	450000	
Al	27	45	2	1138.36	1138.36	3.28	ppb	15514.64	4.41	450000	
K	39	45	2	24498.68	24498.68	0.87	ppb	788944.73	4.40	180000	
Ca	44	45	2	1284058.80	1284058.80	1.38	ppb	2199594.91	5.41	450000	Sample Main Failed
V	51	72	2	3.91	3.91	6.52	ppb	2933.98	8.48	3600	
Cr	52	72	2	3.61	3.61	1.80	ppb	4014.15	2.51	3600	
Mn	55	72	2	1168.33	1168.33	0.89	ppb	373211.72	2.83	3600	
Fe	57	72	2	1856.24	1856.24	4.27	ppb	40262.07	5.48	90000	
Co	59	72	2	3.60	3.60	5.09	ppb	7915.74	3.02	3600	
Ni	60	72	2	7.65	7.65	5.00	ppb	5187.88	7.03	3600	
Cu	63	72	2	3.36	3.36	5.17	ppb	7689.04	4.14	3600	
Zn	66	72	2	6.82	6.82	10.48	ppb	1413.52	10.04	3600	
As	75	72	2	0.78	0.78	34.62	ppb	80.00	33.07	3600	
Se	78	72	1	1.74	1.74	7.94	ppb	492.01	7.84	3600	
Nb	93	72	2	0.39	0.39	20.78	ppb	1126.80	19.47	7200	
Mo	95	115	2	0.45	0.45	46.58	ppb	313.37	46.18	3600	
Pd	105	115	2	0.59	0.59	10.17	ppb	773.41	12.22	3600	
Ag	107	115	2	0.01	0.01	89.28	ppb	53.34	43.31	900	
Cd	111	115	2	0.60	0.60	27.46	ppb	160.02	25.00	3600	
Sn	120	115	2	0.57	0.57	50.86	ppb	460.06	39.13	3600	
Sb	121	115	2	1.43	1.43	13.17	ppb	653.40	15.41	3600	
Ba	137	115	2	289.12	289.12	0.78	ppb	39314.85	1.92	3600	
W	182	165	2	0.11	0.11	56.98	ppb	846.77	25.48	3600	
Pt	195	165	2	0.00	0.00	405.44	ppb	40.01	86.60	3600	
Tl	205	165	2	0.06	0.06	22.71	ppb	340.03	21.21	3600	
Pb	208	165	2	2.43	2.43	4.70	ppb	15717.93	6.07	3600	
Th	232	165	2	0.60	0.60	6.46	ppb	3827.54	6.10	3600	
U	238	165	2	1.45	1.45	8.37	ppb	10784.64	6.59	3600	

QC ISTD Table

Element	m/z	Tune Step	CPS	%RSD	Ref CPS	%Rec	Lower Limit	Upper Limit	QC Flag
Li6	6	1	849145	1.99	1351330	62.8	60	125	
Sc (IS)	45	2	777002	4.14	801966	96.9	60	125	
Ge (IS)	72	1	9921534	0.55	22017207	45.1	60	125	IS Main Failed
Ge (IS)	72	2	808402	2.14	1147692	70.4	60	125	
115In	115	2	2046538	2.65	3129797	65.4	60	125	
Ho-165	165	2	11108648	1.83	18911181	58.7	60	125	IS Main Failed

TuneStep	TuneFile	TuneDate
1	h2_hmi.u	5/2/2012 1:27:00 PM
2	he_hmi.u	5/2/2012 1:27:00 PM

Sample Report

Sample Name	280-28286-B-7-B@2
Data File Name	041SMPL.D
DataPath	d:\DATA\050212.B
Acq Date Time	2012-05-02T13:32:15-06:00
Type	Sample
VialNumber	2209
Dilution	1
Comment	117485 6020
Operator	LMT
ISTDRefDataFileName	003CALB.D
SamplePassFail	Fail
ISTD PassFail	Pass

QC Analyte Table

Element	m/z	ISTD	Tune Step	Meas Value	FinalConc	%RSD	Units	CPS	CPS %RSD	High Value	QC Flag
Be	9	6	1	0.02	0.02	87.58	ppb	10.00	86.60	3600	
Na	23	45	2	1760111.13	1760111.13	1.14	ppb	444708406.71	1.08	1800000	
Mg	24	45	2	42791.94	42791.94	1.68	ppb	4379872.85	2.60	450000	
Al	27	45	2	74.08	74.08	15.08	ppb	1433.51	13.26	450000	
K	39	45	2	6527.36	6527.36	0.58	ppb	291940.58	1.93	180000	
Ca	44	45	2	130609.54	130609.54	1.16	ppb	308634.62	1.22	450000	
V	51	72	2	0.72	0.72	42.31	ppb	818.11	46.20	3600	
Cr	52	72	2	1.90	1.90	11.48	ppb	3387.30	12.31	3600	
Mn	55	72	2	77.70	77.70	0.52	ppb	39298.84	2.50	3600	
Fe	57	72	2	528.64	528.64	3.40	ppb	18190.52	4.19	90000	
Co	59	72	2	0.50	0.50	14.38	ppb	1760.25	16.11	3600	
Ni	60	72	2	1.99	1.99	15.46	ppb	2287.01	12.57	3600	
Cu	63	72	2	1.05	1.05	18.76	ppb	4974.49	10.75	3600	
Zn	66	72	2	2.48	2.48	26.20	ppb	993.45	16.77	3600	
As	75	72	2	0.24	0.24	85.83	ppb	46.67	65.47	3600	
Se	78	72	1	0.39	0.39	18.57	ppb	241.34	17.72	3600	
Nb	93	72	2	0.35	0.35	3.26	ppb	1620.24	4.94	7200	
Mo	95	115	2	1.47	1.47	1.85	ppb	1620.23	3.27	3600	
Pd	105	115	2	0.06	0.06	25.35	ppb	146.68	20.83	3600	
Ag	107	115	2	0.01	0.01	84.27	ppb	80.01	43.30	900	
Cd	111	115	2	0.09	0.09	52.37	ppb	40.00	50.01	3600	
Sn	120	115	2	0.08	0.08	30.58	ppb	266.70	11.46	3600	
Sb	121	115	2	0.31	0.31	30.39	ppb	253.35	24.12	3600	
Ba	137	115	2	63.41	63.41	2.21	ppb	13673.29	3.84	3600	
W	182	165	2	0.04	0.04	34.76	ppb	1006.81	8.96	3600	
Pt	195	165	2	0.00	0.00	14881.65	ppb	53.34	94.37	3600	
Tl	205	165	2	0.01	0.01	37.09	ppb	173.35	24.02	3600	
Pb	208	165	2	0.37	0.37	3.39	ppb	4714.08	1.77	3600	
Th	232	165	2	0.30	0.30	19.59	ppb	3314.03	20.24	3600	
U	238	165	2	1.56	1.56	0.51	ppb	19426.87	1.78	3600	

QC ISTD Table

Element	m/z	Tune Step	CPS	%RSD	Ref CPS	%Rec	Lower Limit	Upper Limit	QC Flag
Li6	6	1	1618314	0.99	1351330	119.8	60	125	
Sc (IS)	45	2	1072248	2.09	801966	133.7	60	125	IS Main Failed
Ge (IS)	72	1	20365953	0.70	22017207	92.5	60	125	
Ge (IS)	72	2	1276381	2.08	1147692	111.2	60	125	
115In	115	2	3244623	3.01	3129797	103.7	60	125	
Ho-165	165	2	18524671	2.28	18911181	98.0	60	125	

TuneStep	TuneFile	TuneDate
1	h2_hmi.u	5/2/2012 1:30:00 PM
2	he_hmi.u	5/2/2012 1:30:00 PM

Sample Report

Sample Name	280-28286-B-8-B@5
Data File Name	042SMPL.D
DataPath	d:\DATA\050212.B
Acq Date Time	2012-05-02T13:35:14-06:00
Type	Sample
VialNumber	2210
Dilution	1
Comment	117485 6020
Operator	LMT
ISTDRefDataFileName	003CALB.D
SamplePassFail	Fail
ISTD PassFail	Pass

QC Analyte Table

Element	m/z	ISTD	Tune Step	Meas Value	FinalConc	%RSD	Units	CPS	CPS %RSD	High Value	QC Flag
Be	9	6	1	0.01	0.01	0.85	ppb	5.00	0.00	3600	
Na	23	45	2	1680.27	1680.27	1.40	ppb	529726.23	3.27	1800000	
Mg	24	45	2	24.56	24.56	4.21	ppb	3300.61	6.56	450000	
Al	27	45	2	0.27	0.27	889.41	ppb	60.01	88.20	450000	
K	39	45	2	-8.69	-8.69	-32.45	ppb	2673.75	4.81	180000	
Ca	44	45	2	113.67	113.67	36.08	ppb	373.37	32.73	450000	
V	51	72	2	0.07	0.07	133.63	ppb	64.09	245.60	3600	
Cr	52	72	2	0.05	0.05	52.24	ppb	266.69	22.91	3600	
Mn	55	72	2	0.13	0.13	37.45	ppb	253.36	12.06	3600	
Fe	57	72	2	5.91	5.91	32.95	ppb	453.38	22.21	90000	
Co	59	72	2	0.00	0.00	-1.80	ppb	20.00	0.00	3600	
Ni	60	72	2	-0.01	-0.01	-1456.90	ppb	300.03	40.00	3600	
Cu	63	72	2	0.10	0.10	8.12	ppb	2800.48	1.89	3600	
Zn	66	72	2	-0.05	-0.05	-311.34	ppb	380.05	15.79	3600	
As	75	72	2	0.04	0.04	76.95	ppb	23.33	24.74	3600	
Se	78	72	1	0.02	0.02	123.16	ppb	44.00	54.55	3600	
Nb	93	72	2	0.10	0.10	17.80	ppb	813.43	12.13	7200	
Mo	95	115	2	0.04	0.04	77.48	ppb	66.68	75.50	3600	
Pd	105	115	2	0.00	0.00	-360.27	ppb	13.33	173.21	3600	
Ag	107	115	2	0.00	0.00	1470.35	ppb	60.00	57.74	900	
Cd	111	115	2	0.03	0.03	173.21	ppb	20.00	173.21	3600	
Sn	120	115	2	0.00	0.00	-2281.13	ppb	266.69	24.11	3600	
Sb	121	115	2	0.04	0.04	130.10	ppb	86.67	58.08	3600	
Ba	137	115	2	0.13	0.13	100.96	ppb	40.00	100.00	3600	
W	182	165	2	0.01	0.01	136.90	ppb	1193.47	7.74	3600	
Pt	195	165	2	0.00	0.00	196.67	ppb	100.01	52.92	3600	
Tl	205	165	2	0.00	0.00	63.71	ppb	140.01	24.74	3600	
Pb	208	165	2	-0.01	-0.01	-292.68	ppb	1113.45	27.03	3600	
Th	232	165	2	0.01	0.01	149.29	ppb	440.06	22.73	3600	
U	238	165	2	0.00	0.00	-339.06	ppb	40.00	50.01	3600	

QC ISTD Table

Element	m/z	Tune Step	CPS	%RSD	Ref CPS	%Rec	Lower Limit	Upper Limit	QC Flag
Li6	6	1	2255040	0.84	1351330	166.9	60	125	IS Main Failed
Sc (IS)	45	2	1313653	2.77	801966	163.8	60	125	IS Main Failed
Ge (IS)	72	1	31070138	0.39	22017207	141.1	60	125	IS Main Failed
Ge (IS)	72	2	1760695	1.90	1147692	153.4	60	125	IS Main Failed
115In	115	2	4506327	2.57	3129797	144.0	60	125	IS Main Failed
Ho-165	165	2	26041371	2.59	18911181	137.7	60	125	IS Main Failed

TuneStep	TuneFile	TuneDate
1	h2_hmi.u	5/2/2012 1:33:00 PM
2	he_hmi.u	5/2/2012 1:33:00 PM

Sample Report

Sample Name	280-28063-B-15-B@5
Data File Name	043SMPL.D
DataPath	d:\DATA\050212.B
Acq Date Time	2012-05-02T13:38:10-06:00
Type	Sample
VialNumber	2205
Dilution	1
Comment	116805 6020
Operator	LMT
ISTDRefDataFileName	003CALB.D
SamplePassFail	Fail
ISTD PassFail	Pass

QC Analyte Table

Element	m/z	ISTD	Tune Step	Meas Value	FinalConc	%RSD	Units	CPS	CPS %RSD	High Value	QC Flag
Be	9	6	1	0.00	0.00	#DIV/0!	ppb	0.00	#DIV/0!	3600	
Na	23	45	2	928.85	928.85	2.90	ppb	291208.92	1.34	1800000	
Mg	24	45	2	9.75	9.75	43.64	ppb	1406.85	34.95	450000	
Al	27	45	2	-0.02	-0.02	-3002.91	ppb	53.34	21.66	450000	
K	39	45	2	-12.07	-12.07	-32.13	ppb	2440.38	6.51	180000	
Ca	44	45	2	76.12	76.12	31.10	ppb	260.02	27.74	450000	
V	51	72	2	0.08	0.08	115.05	ppb	70.85	201.66	3600	
Cr	52	72	2	0.35	0.35	30.17	ppb	973.45	24.86	3600	
Mn	55	72	2	-0.02	-0.02	-172.17	ppb	146.68	20.83	3600	
Fe	57	72	2	1.55	1.55	128.28	ppb	246.69	40.00	90000	
Co	59	72	2	0.00	0.00	-157.66	ppb	26.67	86.60	3600	
Ni	60	72	2	0.14	0.14	53.64	ppb	500.05	22.27	3600	
Cu	63	72	2	0.08	0.08	45.99	ppb	2733.75	7.83	3600	
Zn	66	72	2	0.73	0.73	55.61	ppb	680.07	22.97	3600	
As	75	72	2	0.02	0.02	213.85	ppb	20.00	50.00	3600	
Se	78	72	1	0.02	0.02	111.91	ppb	45.33	48.60	3600	
Nb	93	72	2	0.10	0.10	12.90	ppb	833.43	9.99	7200	
Mo	95	115	2	0.03	0.03	49.97	ppb	40.00	50.01	3600	
Pd	105	115	2	-0.01	-0.01	0.00	ppb	0.00	#DIV/0!	3600	
Ag	107	115	2	0.00	0.00	-680.94	ppb	53.34	57.29	900	
Cd	111	115	2	0.07	0.07	49.97	ppb	40.00	50.01	3600	
Sn	120	115	2	-0.01	-0.01	-223.51	ppb	260.03	7.69	3600	
Sb	121	115	2	0.01	0.01	435.26	ppb	53.34	43.31	3600	
Ba	137	115	2	0.04	0.04	173.21	ppb	13.33	173.21	3600	
W	182	165	2	0.02	0.02	145.45	ppb	1266.84	13.15	3600	
Pt	195	165	2	0.00	0.00	1019.76	ppb	80.01	66.14	3600	
Tl	205	165	2	0.00	0.00	120.80	ppb	133.34	45.83	3600	
Pb	208	165	2	0.03	0.03	47.15	ppb	1726.85	13.43	3600	
Th	232	165	2	0.01	0.01	111.40	ppb	520.06	30.53	3600	
U	238	165	2	0.00	0.00	-76.00	ppb	20.00	100.00	3600	

QC ISTD Table

Element	m/z	Tune Step	CPS	%RSD	Ref CPS	%Rec	Lower Limit	Upper Limit	QC Flag
Li6	6	1	2226230	4.16	1351330	164.7	60	125	IS Main Failed
Sc (IS)	45	2	1288162	2.11	801966	160.6	60	125	IS Main Failed
Ge (IS)	72	1	31875591	4.29	22017207	144.8	60	125	IS Main Failed
Ge (IS)	72	2	1752966	2.07	1147692	152.7	60	125	IS Main Failed
115In	115	2	4524772	0.99	3129797	144.6	60	125	IS Main Failed
Ho-165	165	2	26367595	1.45	18911181	139.4	60	125	IS Main Failed

TuneStep	TuneFile	TuneDate
1	h2_hmi.u	5/2/2012 1:36:00 PM
2	he_hmi.u	5/2/2012 1:36:00 PM

Sample Report

Sample Name	280-28063-E-17-D@5
Data File Name	044SMPL.D
DataPath	d:\DATA\050212.B
Acq Date Time	2012-05-02T13:42:20-06:00
Type	Sample
VialNumber	2207
Dilution	1
Comment	116805 6020
Operator	LMT
ISTDRefDataFileName	003CALB.D
SamplePassFail	Fail
ISTD PassFail	Pass

QC Analyte Table

Element	m/z	ISTD	Tune Step	Meas Value	FinalConc	%RSD	Units	CPS	CPS %RSD	High Value	QC Flag
Be	9	6	1	0.00	0.00	173.21	ppb	1.67	173.21	3600	
Na	23	45	2	1560155.59	1560155.59	7.07	ppb	381860594.31	3.26	1800000	
Mg	24	45	2	20758.40	20758.40	8.08	ppb	2057770.44	4.66	450000	
Al	27	45	2	0.52	0.52	312.46	ppb	53.34	57.29	450000	
K	39	45	2	6493.02	6493.02	6.99	ppb	281294.51	2.82	180000	
Ca	44	45	2	144930.90	144930.90	8.92	ppb	331667.68	5.60	450000	
V	51	72	2	12.40	12.40	8.70	ppb	14359.75	4.86	3600	
Cr	52	72	2	0.13	0.13	27.90	ppb	320.03	21.65	3600	
Mn	55	72	2	4.43	4.43	9.52	ppb	2287.04	5.56	3600	
Fe	57	72	2	13.96	13.96	10.31	ppb	586.72	7.10	90000	
Co	59	72	2	0.02	0.02	152.90	ppb	86.67	104.06	3600	
Ni	60	72	2	0.39	0.39	36.03	ppb	613.40	21.71	3600	
Cu	63	72	2	0.10	0.10	13.70	ppb	2000.33	5.57	3600	
Zn	66	72	2	0.84	0.84	34.22	ppb	513.40	11.25	3600	
As	75	72	2	25.56	25.56	9.42	ppb	3650.54	8.18	3600	
Se	78	72	1	2.72	2.72	6.35	ppb	1494.75	7.10	3600	
Nb	93	72	2	0.10	0.10	48.97	ppb	593.41	35.73	7200	
Mo	95	115	2	29.99	29.99	7.83	ppb	32912.93	4.43	3600	
Pd	105	115	2	0.02	0.02	53.30	ppb	53.34	43.31	3600	
Ag	107	115	2	0.01	0.01	88.82	ppb	73.34	41.66	900	
Cd	111	115	2	0.06	0.06	86.72	ppb	26.67	86.60	3600	
Sn	120	115	2	0.20	0.20	73.10	ppb	380.03	32.87	3600	
Sb	121	115	2	0.14	0.14	81.14	ppb	126.68	55.45	3600	
Ba	137	115	2	1.58	1.58	50.51	ppb	340.03	51.28	3600	
W	182	165	2	0.01	0.01	449.04	ppb	873.44	15.25	3600	
Pt	195	165	2	0.01	0.01	185.18	ppb	113.35	97.19	3600	
Tl	205	165	2	0.00	0.00	389.18	ppb	73.34	68.64	3600	
Pb	208	165	2	0.00	0.00	4699.96	ppb	893.44	16.50	3600	
Th	232	165	2	0.06	0.06	42.64	ppb	926.78	25.75	3600	
U	238	165	2	0.65	0.65	7.62	ppb	8349.67	4.49	3600	

QC ISTD Table

Element	m/z	Tune Step	CPS	%RSD	Ref CPS	%Rec	Lower Limit	Upper Limit	QC Flag
Li6	6	1	1493996	0.37	1351330	110.6	60	125	
Sc (IS)	45	2	1040521	4.28	801966	129.7	60	125	IS Main Failed
Ge (IS)	72	1	19340326	0.89	22017207	87.8	60	125	
Ge (IS)	72	2	1243905	4.16	1147692	108.4	60	125	
115In	115	2	3231900	4.59	3129797	103.3	60	125	
Ho-165	165	2	19211444	4.20	18911181	101.6	60	125	

TuneStep	TuneFile	TuneDate
1	h2_hmi.u	5/2/2012 1:41:00 PM
2	he_hmi.u	5/2/2012 1:41:00 PM

Continuing Calibration Verification (CCV) - US EPA Method 6020

Sample Name	ccv-1394868
Data File Name	0456CCV.D
DataPath	d:\DATA\050212.B
Acq Date Time	2012-05-02T13:45:19-06:00
Type	6-CCV
VialNumber	1107
Dilution	1
Comment	
Operator	LMT
ISTDRefDataFileName	003CALB.D
SamplePassFail	Fail
ISTD PassFail	Pass

QC Analyte Table

Element	m/z	ISTD	Tune Step	Meas Value	%RSD	Units	CPS	CPS%RSD	Exp Value	%Rec	QC Low	QC High	QC Flag
Be	9	6	1	46.43	1.65	ppb	32265.86	0.78	50	92.9	90	110	
Na	23	45	2	5906.90	3.84	ppb	1679788.72	0.40	5000	118.1	90	110	6-CCV Main Failed
Mg	24	45	2	5153.48	5.98	ppb	590437.71	2.51	5000	103.1	90	110	
Al	27	45	2	5145.33	4.79	ppb	108175.63	1.53	5000	102.9	90	110	
K	39	45	2	4838.30	5.73	ppb	242918.88	2.17	5000	96.8	90	110	
Ca	44	45	2	5129.70	5.47	ppb	13606.21	1.93	5000	102.6	90	110	
V	51	72	2	50.65	4.51	ppb	77643.50	4.13	50	101.3	90	110	
Cr	52	72	2	49.75	4.64	ppb	110315.07	3.32	50	99.5	90	110	
Mn	55	72	2	56.46	7.52	ppb	36706.17	6.11	50	112.9	90	110	6-CCV Main Failed
Fe	57	72	2	4831.73	5.95	ppb	212156.78	4.42	5000	96.6	90	110	
Co	59	72	2	51.24	5.40	ppb	228040.73	3.84	50	102.5	90	110	
Ni	60	72	2	50.60	5.97	ppb	67944.19	4.61	50	101.2	90	110	
Cu	63	72	2	50.80	2.45	ppb	204282.24	1.23	50	101.6	90	110	
Zn	66	72	2	49.59	4.10	ppb	18504.21	2.88	50	99.2	90	110	
As	75	72	2	48.50	7.43	ppb	9126.07	6.15	50	97.0	90	110	
Se	78	72	1	56.23	1.65	ppb	45644.41	1.71	50	112.5	90	110	6-CCV Main Failed
Nb	93	72	2	94.59	4.01	ppb	489860.38	2.46	100	94.6	90	110	
Mo	95	115	2	50.63	4.01	ppb	74205.72	2.25	50	101.3	90	110	
Pd	105	115	2	50.72	3.27	ppb	138099.48	1.47	50	101.4	90	110	
Ag	107	115	2	54.44	2.33	ppb	311716.59	0.98	50	108.9	90	110	
Cd	111	115	2	52.34	5.99	ppb	29667.69	4.17	50	104.7	90	110	
Sn	120	115	2	51.24	2.27	ppb	64503.99	0.50	50	102.5	90	110	
Sb	121	115	2	46.62	1.11	ppb	43270.51	1.41	50	93.2	90	110	
Ba	137	115	2	52.02	5.18	ppb	14894.66	5.67	50	104.0	90	110	
W	182	165	2	50.26	5.16	ppb	366888.59	2.04	50	100.5	90	110	
Pt	195	165	2	49.87	4.62	ppb	337382.31	1.54	50	99.7	90	110	
Tl	205	165	2	49.38	3.89	ppb	565034.50	0.80	50	98.8	90	110	
Pb	208	165	2	49.66	5.13	ppb	720527.35	2.02	50	99.3	90	110	
Th	232	165	2	46.89	5.26	ppb	660178.81	2.26	50	93.8	90	110	
U	238	165	2	47.89	4.55	ppb	826465.38	1.46	50	95.8	90	110	

QC ISTD Table

Element	m/z	Tune Step	CPS	%RSD	Ref CPS	%Rec	QC Low	QC High	QC Flag
Li6	6	1	2113064	1.12	1351330	156.4	60	125	IS Main Failed
Sc (IS)	45	2	1201507	3.47	801966	149.8	60	125	IS Main Failed
Ge (IS)	72	1	28887575	0.54	22017207	131.2	60	125	IS Main Failed
Ge (IS)	72	2	1639905	1.53	1147692	142.9	60	125	IS Main Failed
115In	115	2	4308821	1.77	3129797	137.7	60	125	IS Main Failed
Ho-165	165	2	25730165	3.03	18911181	136.1	60	125	IS Main Failed

TuneStep	TuneFile
1	h2_hmi.u
2	he_hmi.u

Continuing Calibration Blank (CCB) - US EPA Method 6020

Sample Name	ccb-1394903
Data File Name	0466CCB.D
DataPath	d:\DATA\050212.B
Acq Date Time	2012-05-02T13:48:18-06:00
Type	6-CCB
VialNumber	1307
Dilution	1
Comment	
Operator	LMT
ISTDRefDataFileName	003CALB.D
SamplePassFail	Fail
ISTD PassFail	Pass

QC Analyte Table

Element	m/z	ISTD	Tune Step	Meas Value	%RSD	Units	CPS	CPS %RSD	QC High	QC Flag
Be	9	6	1	0.01	86.37	ppb	10.00	86.60	1	
Na	23	45	2	421.00	1.77	ppb	124190.79	0.95	20	6-CCB Main Failed
Mg	24	45	2	3.39	24.24	ppb	573.39	17.90	20	
Al	27	45	2	-1.09	-204.99	ppb	26.67	173.21	20	
K	39	45	2	-1.61	-261.53	ppb	2720.45	9.62	20	
Ca	44	45	2	28.36	138.85	ppb	113.35	90.56	20	6-CCB Main Failed
V	51	72	2	0.01	1713.77	ppb	-44.52	-416.20	1	
Cr	52	72	2	0.04	74.97	ppb	233.36	26.19	1	
Mn	55	72	2	-0.09	-50.81	ppb	93.34	24.74	1	
Fe	57	72	2	1.75	70.61	ppb	233.36	24.74	20	
Co	59	72	2	0.00	3064.76	ppb	40.01	132.29	1	
Ni	60	72	2	-0.06	-255.66	ppb	200.02	90.00	1	
Cu	63	72	2	0.08	130.80	ppb	2473.72	17.05	1	
Zn	66	72	2	-0.07	-256.18	ppb	340.04	21.21	5	
As	75	72	2	0.03	320.61	ppb	20.00	100.00	5	
Se	78	72	1	0.05	28.45	ppb	60.00	17.64	5	
Nb	93	72	2	0.98	4.76	ppb	5207.89	0.80	5	
Mo	95	115	2	0.08	61.72	ppb	120.01	60.10	1	
Pd	105	115	2	0.06	22.08	ppb	186.68	22.30	1	
Ag	107	115	2	0.01	113.95	ppb	126.68	63.81	1	
Cd	111	115	2	0.05	42.39	ppb	26.67	43.30	1	
Sn	120	115	2	0.08	117.30	ppb	353.37	31.18	5	
Sb	121	115	2	0.18	47.45	ppb	206.68	39.11	0.2	
Ba	137	115	2	0.00	#DIV/0!	ppb	0.00	#DIV/0!	1	
W	182	165	2	0.08	43.86	ppb	1673.57	14.26	1	
Pt	195	165	2	0.01	108.34	ppb	146.68	56.77	1	
Tl	205	165	2	0.03	10.53	ppb	373.38	8.18	1	
Pb	208	165	2	0.01	167.74	ppb	1400.16	26.76	1	
Th	232	165	2	0.22	8.69	ppb	3467.36	10.26	1	
U	238	165	2	0.02	45.22	ppb	406.72	39.75	1	

QC ISTD Table

Element	m/z	Tune Step	CPS	%RSD	Ref CPS	%Rec	QC Low	QC High	QC Flag
Li6	6	1	2094720	0.41	1351330	155.0	60	125	IS Main Failed
Sc (IS)	45	2	1166809	2.27	801966	145.5	60	125	IS Main Failed
Ge (IS)	72	1	28229267	0.52	22017207	128.2	60	125	IS Main Failed
Ge (IS)	72	2	1599788	4.18	1147692	139.4	60	125	IS Main Failed
115In	115	2	4233677	2.69	3129797	135.3	60	125	IS Main Failed
Ho-165	165	2	25488165	2.55	18911181	134.8	60	125	IS Main Failed

TuneStep	TuneFile
1	h2_hmi.u
2	he_hmi.u

Continuing Calibration Verification (CCV) - US EPA Method 6020

Sample Name	ccv-1394868
Data File Name	0476CCV.D
DataPath	d:\DATA\050212.B
Acq Date Time	2012-05-02T13:51:18-06:00
Type	6-CCV
VialNumber	1107
Dilution	1
Comment	
Operator	LMT
ISTDRefDataFileName	003CALB.D
SamplePassFail	Fail
ISTD PassFail	Pass

QC Analyte Table

Element	m/z	ISTD	Tune Step	Meas Value	%RSD	Units	CPS	CPS%RSD	Exp Value	%Rec	QC Low	QC High	QC Flag
Be	9	6	1	49.16	2.83	ppb	31753.29	0.89	50	98.3	90	110	
Na	23	45	2	5931.70	6.87	ppb	1545545.81	1.96	5000	118.6	90	110	6-CCV Main Failed
Mg	24	45	2	5722.91	8.34	ppb	600732.96	3.51	5000	114.5	90	110	6-CCV Main Failed
Al	27	45	2	5668.73	9.99	ppb	109116.24	5.68	5000	113.4	90	110	6-CCV Main Failed
K	39	45	2	5421.90	7.58	ppb	249156.06	2.65	5000	108.4	90	110	
Ca	44	45	2	5824.76	10.01	ppb	14146.70	5.88	5000	116.5	90	110	6-CCV Main Failed
V	51	72	2	53.24	5.72	ppb	76879.24	1.69	50	106.5	90	110	
Cr	52	72	2	54.15	7.40	ppb	113014.01	0.67	50	108.3	90	110	
Mn	55	72	2	61.70	11.19	ppb	37688.30	4.87	50	123.4	90	110	6-CCV Main Failed
Fe	57	72	2	5353.40	11.36	ppb	220886.18	4.92	5000	107.1	90	110	
Co	59	72	2	55.84	10.38	ppb	233633.74	3.77	50	111.7	90	110	6-CCV Main Failed
Ni	60	72	2	55.51	12.21	ppb	69985.15	5.64	50	111.0	90	110	6-CCV Main Failed
Cu	63	72	2	58.40	10.38	ppb	220433.62	4.10	50	116.8	90	110	6-CCV Main Failed
Zn	66	72	2	56.89	6.79	ppb	19939.63	2.05	50	113.8	90	110	6-CCV Main Failed
As	75	72	2	52.61	11.42	ppb	9302.82	4.84	50	105.2	90	110	
Se	78	72	1	57.69	1.42	ppb	45181.90	0.83	50	115.4	90	110	6-CCV Main Failed
Nb	93	72	2	102.96	9.74	ppb	501340.03	3.12	100	103.0	90	110	
Mo	95	115	2	53.84	10.45	ppb	74990.03	4.70	50	107.7	90	110	
Pd	105	115	2	55.67	8.46	ppb	144126.84	2.62	50	111.3	90	110	6-CCV Main Failed
Ag	107	115	2	57.09	9.02	ppb	310759.61	2.97	50	114.2	90	110	6-CCV Main Failed
Cd	111	115	2	57.69	12.31	ppb	31056.44	6.48	50	115.4	90	110	6-CCV Main Failed
Sn	120	115	2	56.82	9.64	ppb	67970.92	4.23	50	113.6	90	110	6-CCV Main Failed
Sb	121	115	2	51.77	6.00	ppb	45736.88	1.94	50	103.5	90	110	
Ba	137	115	2	54.72	8.03	ppb	14901.01	3.61	50	109.4	90	110	
W	182	165	2	55.32	8.68	ppb	381418.08	3.80	50	110.6	90	110	6-CCV Main Failed
Pt	195	165	2	54.15	8.95	ppb	346035.57	4.08	50	108.3	90	110	
Tl	205	165	2	53.91	7.49	ppb	582902.49	2.71	50	107.8	90	110	
Pb	208	165	2	54.44	8.88	ppb	746107.06	4.04	50	108.9	90	110	
Th	232	165	2	53.07	9.27	ppb	705794.26	4.53	50	106.1	90	110	
U	238	165	2	53.55	8.74	ppb	873028.32	3.86	50	107.1	90	110	

QC ISTD Table

Element	m/z	Tune Step	CPS	%RSD	Ref CPS	%Rec	QC Low	QC High	QC Flag
Li6	6	1	1964340	2.00	1351330	145.4	60	125	IS Main Failed
Sc (IS)	45	2	1102440	5.02	801966	137.5	60	125	IS Main Failed
Ge (IS)	72	1	27876016	0.63	22017207	126.6	60	125	IS Main Failed
Ge (IS)	72	2	1548373	7.01	1147692	134.9	60	125	IS Main Failed
115In	115	2	4110446	6.24	3129797	131.3	60	125	IS Main Failed
Ho-165	165	2	24355125	5.05	18911181	128.8	60	125	IS Main Failed

TuneStep	TuneFile
1	h2_hmi.u
2	he_hmi.u

Continuing Calibration Verification (CCV) - US EPA Method 6020

Sample Name	ccv-1394868
Data File Name	0486CCV.D
DataPath	d:\DATA\050212.B
Acq Date Time	2012-05-02T13:54:15-06:00
Type	6-CCV
VialNumber	1107
Dilution	1
Comment	
Operator	LMT
ISTDRefDataFileName	003CALB.D
SamplePassFail	Fail
ISTD PassFail	Pass

QC Analyte Table

Element	m/z	ISTD	Tune Step	Meas Value	%RSD	Units	CPS	CPS%RSD	Exp Value	%Rec	QC Low	QC High	QC Flag
Be	9	6	1	47.44	2.96	ppb	30209.24	2.18	50	94.9	90	110	
Na	23	45	2	5320.78	6.64	ppb	1469274.67	3.07	5000	106.4	90	110	
Mg	24	45	2	4984.55	6.26	ppb	554456.35	1.95	5000	99.7	90	110	
Al	27	45	2	5098.71	4.61	ppb	104099.77	0.94	5000	102.0	90	110	
K	39	45	2	4826.14	7.47	ppb	235174.76	3.30	5000	96.5	90	110	
Ca	44	45	2	5248.69	11.82	ppb	13492.76	7.79	5000	105.0	90	110	
V	51	72	2	50.99	3.69	ppb	76794.87	2.55	50	102.0	90	110	
Cr	52	72	2	49.96	6.92	ppb	108793.46	4.12	50	99.9	90	110	
Mn	55	72	2	53.81	6.23	ppb	34374.90	4.21	50	107.6	90	110	
Fe	57	72	2	4847.08	3.45	ppb	209165.08	0.91	5000	96.9	90	110	
Co	59	72	2	49.80	4.05	ppb	217832.35	2.86	50	99.6	90	110	
Ni	60	72	2	50.12	7.71	ppb	66090.41	5.12	50	100.2	90	110	
Cu	63	72	2	52.65	4.07	ppb	207917.38	2.05	50	105.3	90	110	
Zn	66	72	2	52.16	7.71	ppb	19111.83	7.82	50	104.3	90	110	
As	75	72	2	47.03	10.45	ppb	8699.18	10.14	50	94.1	90	110	
Se	78	72	1	56.31	1.44	ppb	43992.30	1.40	50	112.6	90	110	6-CCV Main Failed
Nb	93	72	2	95.13	5.55	ppb	483916.71	3.22	100	95.1	90	110	
Mo	95	115	2	48.92	6.49	ppb	71850.15	3.33	50	97.8	90	110	
Pd	105	115	2	50.18	7.59	ppb	136854.94	4.37	50	100.4	90	110	
Ag	107	115	2	52.38	5.87	ppb	300567.00	2.57	50	104.8	90	110	
Cd	111	115	2	50.48	5.09	ppb	28692.47	1.78	50	101.0	90	110	
Sn	120	115	2	51.44	8.19	ppb	64865.33	5.01	50	102.9	90	110	
Sb	121	115	2	47.11	8.11	ppb	43791.31	4.99	50	94.2	90	110	
Ba	137	115	2	52.93	10.89	ppb	15167.91	7.84	50	105.9	90	110	
W	182	165	2	49.64	5.32	ppb	361951.34	2.52	50	99.3	90	110	
Pt	195	165	2	49.98	7.07	ppb	337652.22	4.26	50	100.0	90	110	
Tl	205	165	2	49.09	4.54	ppb	561090.49	1.86	50	98.2	90	110	
Pb	208	165	2	49.60	5.24	ppb	719005.00	2.43	50	99.2	90	110	
Th	232	165	2	48.76	6.13	ppb	685596.53	3.28	50	97.5	90	110	
U	238	165	2	48.61	6.05	ppb	837817.51	3.18	50	97.2	90	110	

QC ISTD Table

Element	m/z	Tune Step	CPS	%RSD	Ref CPS	%Rec	QC Low	QC High	QC Flag
Li6	6	1	1936377	0.83	1351330	143.3	60	125	IS Main Failed
Sc (IS)	45	2	1167110	4.49	801966	145.5	60	125	IS Main Failed
Ge (IS)	72	1	27806584	0.53	22017207	126.3	60	125	IS Main Failed
Ge (IS)	72	2	1611750	2.87	1147692	140.4	60	125	IS Main Failed
115In	115	2	4322352	3.42	3129797	138.1	60	125	IS Main Failed
Ho-165	165	2	25703475	2.97	18911181	135.9	60	125	IS Main Failed

TuneStep	TuneFile
1	h2_hmi.u
2	he_hmi.u

Continuing Calibration Blank (CCB) - US EPA Method 6020

Sample Name	ccb-1394903
Data File Name	0496CCB.D
DataPath	d:\DATA\050212.B
Acq Date Time	2012-05-02T13:57:14-06:00
Type	6-CCB
VialNumber	1307
Dilution	1
Comment	
Operator	LMT
ISTDRefDataFileName	003CALB.D
SamplePassFail	Fail
ISTD PassFail	Pass

QC Analyte Table

Element	m/z	ISTD	Tune Step	Meas Value	%RSD	Units	CPS	CPS %RSD	QC High	QC Flag
Be	9	6	1	0.02	85.47	ppb	10.00	86.60	1	
Na	23	45	2	164.51	3.91	ppb	52536.47	2.62	20	6-CCB Main Failed
Mg	24	45	2	2.90	53.83	ppb	506.72	33.57	20	
Al	27	45	2	-0.05	-4565.74	ppb	46.67	89.21	20	
K	39	45	2	-12.74	-22.93	ppb	2133.65	6.03	20	
Ca	44	45	2	-4.51	-204.48	ppb	26.67	86.60	20	
V	51	72	2	0.04	210.74	ppb	2.26	4889.67	1	
Cr	52	72	2	0.04	88.51	ppb	233.36	35.68	1	
Mn	55	72	2	0.04	320.25	ppb	173.35	46.63	1	
Fe	57	72	2	1.79	80.70	ppb	233.36	26.19	20	
Co	59	72	2	0.01	123.70	ppb	80.01	66.15	1	
Ni	60	72	2	0.04	241.31	ppb	333.37	39.95	1	
Cu	63	72	2	-0.07	-94.20	ppb	1886.92	13.42	1	
Zn	66	72	2	-0.08	-234.72	ppb	333.36	19.29	5	
As	75	72	2	0.02	743.97	ppb	16.67	124.90	5	
Se	78	72	1	0.05	22.10	ppb	58.67	14.19	5	
Nb	93	72	2	0.82	14.78	ppb	4374.33	14.19	5	
Mo	95	115	2	0.11	39.98	ppb	166.68	38.57	1	
Pd	105	115	2	0.04	69.69	ppb	133.35	60.62	1	
Ag	107	115	2	0.01	253.35	ppb	86.68	93.26	1	
Cd	111	115	2	0.05	42.55	ppb	26.67	43.30	1	
Sn	120	115	2	0.06	61.98	ppb	333.36	13.86	5	
Sb	121	115	2	0.23	25.12	ppb	260.03	20.35	0.2	6-CCB Main Failed
Ba	137	115	2	0.00	#DIV/0!	ppb	0.00	#DIV/0!	1	
W	182	165	2	0.06	46.30	ppb	1573.55	12.80	1	
Pt	195	165	2	0.02	30.86	ppb	200.03	20.00	1	
Tl	205	165	2	0.02	34.13	ppb	340.04	25.64	1	
Pb	208	165	2	0.04	51.59	ppb	1786.88	16.80	1	
Th	232	165	2	0.14	14.83	ppb	2353.72	13.20	1	
U	238	165	2	0.03	16.61	ppb	526.73	15.35	1	

QC ISTD Table

Element	m/z	Tune Step	CPS	%RSD	Ref CPS	%Rec	QC Low	QC High	QC Flag
Li6	6	1	1953845	1.13	1351330	144.6	60	125	IS Main Failed
Sc (IS)	45	2	1141888	0.72	801966	142.4	60	125	IS Main Failed
Ge (IS)	72	1	27658225	0.35	22017207	125.6	60	125	IS Main Failed
Ge (IS)	72	2	1593984	0.25	1147692	138.9	60	125	IS Main Failed
115In	115	2	4297207	1.26	3129797	137.3	60	125	IS Main Failed
Ho-165	165	2	25540995	0.71	18911181	135.1	60	125	IS Main Failed

TuneStep	TuneFile
1	h2_hmi.u
2	he_hmi.u

Sample Report

Sample Name	rinse
Data File Name	050SMPL.D
DataPath	d:\DATA\050212.B
Acq Date Time	2012-05-02T14:00:22-06:00
Type	Sample
VialNumber	3
Dilution	1
Comment	
Operator	LMT
ISTDRefDataFileName	003CALB.D
SamplePassFail	Fail
ISTD PassFail	Pass

QC Analyte Table

Element	m/z	ISTD	Tune Step	Meas Value	FinalConc	%RSD	Units	CPS	CPS %RSD	High Value	QC Flag
Be	9	6	1	0.00	0.00	#DIV/0!	ppb	0.00	#DIV/0!	3600	
Na	23	45	2	133.39	133.39	2.95	ppb	43038.67	2.01	1800000	
Mg	24	45	2	0.14	0.14	632.31	ppb	200.02	45.83	450000	
Al	27	45	2	-0.66	-0.66	-88.60	ppb	33.33	34.64	450000	
K	39	45	2	-18.65	-18.65	-26.87	ppb	1806.95	12.19	180000	
Ca	44	45	2	9.43	9.43	260.74	ppb	60.01	100.00	450000	
V	51	72	2	0.11	0.11	55.52	ppb	117.02	80.89	3600	
Cr	52	72	2	0.02	0.02	133.44	ppb	173.35	29.04	3600	
Mn	55	72	2	0.29	0.29	73.75	ppb	326.70	40.77	3600	
Fe	57	72	2	2.83	2.83	99.23	ppb	273.36	41.61	90000	
Co	59	72	2	0.00	0.00	-115.11	ppb	20.00	100.00	3600	
Ni	60	72	2	-0.04	-0.04	-142.37	ppb	226.69	28.36	3600	
Cu	63	72	2	-0.04	-0.04	-185.81	ppb	1986.96	13.60	3600	
Zn	66	72	2	-0.01	-0.01	-950.94	ppb	353.37	11.78	3600	
As	75	72	2	0.11	0.11	155.30	ppb	33.33	91.65	3600	
Se	78	72	1	0.04	0.04	30.34	ppb	49.33	16.88	3600	
Nb	93	72	2	0.30	0.30	18.72	ppb	1746.91	16.69	7200	
Mo	95	115	2	0.03	0.03	50.91	ppb	40.00	50.01	3600	
Pd	105	115	2	0.01	0.01	39.25	ppb	46.67	24.75	3600	
Ag	107	115	2	0.00	0.00	-40.09	ppb	26.67	43.30	900	
Cd	111	115	2	0.07	0.07	49.46	ppb	40.00	50.01	3600	
Sn	120	115	2	0.08	0.08	32.66	ppb	353.37	8.65	3600	
Sb	121	115	2	0.05	0.05	63.28	ppb	93.34	32.73	3600	
Ba	137	115	2	0.02	0.02	173.21	ppb	6.67	173.21	3600	
W	182	165	2	0.02	0.02	40.56	ppb	1246.84	4.63	3600	
Pt	195	165	2	0.00	0.00	404.02	ppb	80.01	43.30	3600	
Tl	205	165	2	0.01	0.01	66.42	ppb	240.03	44.10	3600	
Pb	208	165	2	0.01	0.01	73.18	ppb	1386.83	10.92	3600	
Th	232	165	2	-0.01	-0.01	-91.31	ppb	280.03	24.74	3600	
U	238	165	2	0.01	0.01	46.34	ppb	153.35	32.83	3600	

QC ISTD Table

Element	m/z	Tune Step	CPS	%RSD	Ref CPS	%Rec	Lower Limit	Upper Limit	QC Flag
Li6	6	1	1834458	1.13	1351330	135.8	60	125	IS Main Failed
Sc (IS)	45	2	1112717	0.71	801966	138.7	60	125	IS Main Failed
Ge (IS)	72	1	27174575	0.55	22017207	123.4	60	125	
Ge (IS)	72	2	1576324	2.00	1147692	137.3	60	125	IS Main Failed
115In	115	2	4276338	1.12	3129797	136.6	60	125	IS Main Failed
Ho-165	165	2	25285711	0.20	18911181	133.7	60	125	IS Main Failed

TuneStep	TuneFile	TuneDate
1	h2_hmi.u	5/2/2012 1:59:00 PM
2	he_hmi.u	5/2/2012 1:59:00 PM

Sample Report

Sample Name	rinse
Data File Name	051SMPL.D
DataPath	d:\DATA\050212.B
Acq Date Time	2012-05-02T14:03:19-06:00
Type	Sample
VialNumber	3
Dilution	1
Comment	
Operator	LMT
ISTDRefDataFileName	003CALB.D
SamplePassFail	Fail
ISTD PassFail	Pass

QC Analyte Table

Element	m/z	ISTD	Tune Step	Meas Value	FinalConc	%RSD	Units	CPS	CPS %RSD	High Value	QC Flag
Be	9	6	1	0.01	0.01	86.61	ppb	6.67	86.60	3600	
Na	23	45	2	112.46	112.46	3.21	ppb	36732.14	2.79	1800000	
Mg	24	45	2	1.85	1.85	6.14	ppb	373.37	3.09	450000	
Al	27	45	2	-0.27	-0.27	-387.51	ppb	40.00	50.01	450000	
K	39	45	2	-12.31	-12.31	-13.94	ppb	2053.64	3.94	180000	
Ca	44	45	2	9.94	9.94	223.93	ppb	60.01	88.20	450000	
V	51	72	2	0.01	0.01	1265.60	ppb	-39.58	-299.17	3600	
Cr	52	72	2	0.00	0.00	-365.01	ppb	126.68	18.23	3600	
Mn	55	72	2	0.02	0.02	197.06	ppb	153.35	15.06	3600	
Fe	57	72	2	0.86	0.86	393.42	ppb	186.69	75.26	90000	
Co	59	72	2	-0.01	-0.01	-105.06	ppb	13.33	173.21	3600	
Ni	60	72	2	-0.03	-0.03	-194.39	ppb	226.69	35.66	3600	
Cu	63	72	2	0.03	0.03	267.84	ppb	2180.32	13.52	3600	
Zn	66	72	2	-0.08	-0.08	-550.96	ppb	320.04	45.07	3600	
As	75	72	2	0.26	0.26	97.16	ppb	60.00	76.38	3600	
Se	78	72	1	0.02	0.02	185.08	ppb	36.00	77.78	3600	
Nb	93	72	2	0.16	0.16	13.97	ppb	1013.45	10.13	7200	
Mo	95	115	2	0.03	0.03	64.84	ppb	46.67	65.48	3600	
Pd	105	115	2	0.02	0.02	48.31	ppb	66.67	34.65	3600	
Ag	107	115	2	0.00	0.00	-54.64	ppb	33.33	34.64	900	
Cd	111	115	2	0.11	0.11	114.96	ppb	60.01	115.48	3600	
Sn	120	115	2	-0.02	-0.02	-346.35	ppb	226.69	40.75	3600	
Sb	121	115	2	0.03	0.03	150.31	ppb	73.34	56.77	3600	
Ba	137	115	2	0.00	0.00	#DIV/0!	ppb	0.00	#DIV/0!	3600	
W	182	165	2	0.00	0.00	-731.52	ppb	1073.47	25.16	3600	
Pt	195	165	2	0.00	0.00	2576.70	ppb	73.34	68.64	3600	
Tl	205	165	2	0.01	0.01	84.36	ppb	153.35	39.85	3600	
Pb	208	165	2	0.01	0.01	51.85	ppb	1300.15	4.07	3600	
Th	232	165	2	-0.01	-0.01	-21.38	ppb	206.68	14.78	3600	
U	238	165	2	0.00	0.00	145.52	ppb	73.34	56.78	3600	

QC ISTD Table

Element	m/z	Tune Step	CPS	%RSD	Ref CPS	%Rec	Lower Limit	Upper Limit	QC Flag
Li6	6	1	1772367	0.95	1351330	131.2	60	125	IS Main Failed
Sc (IS)	45	2	1088401	0.58	801966	135.7	60	125	IS Main Failed
Ge (IS)	72	1	26578675	0.41	22017207	120.7	60	125	
Ge (IS)	72	2	1531459	1.13	1147692	133.4	60	125	IS Main Failed
115In	115	2	4268590	0.98	3129797	136.4	60	125	IS Main Failed
Ho-165	165	2	25339110	0.84	18911181	134.0	60	125	IS Main Failed

TuneStep	TuneFile	TuneDate
1	h2_hmi.u	5/2/2012 2:02:00 PM
2	he_hmi.u	5/2/2012 2:02:00 PM

Sample Report

Sample Name	rinse
Data File Name	052SMPL.D
DataPath	d:\DATA\050212.B
Acq Date Time	2012-05-02T14:06:16-06:00
Type	Sample
VialNumber	3
Dilution	1
Comment	
Operator	LMT
ISTDRefDataFileName	003CALB.D
SamplePassFail	Fail
ISTD PassFail	Pass

QC Analyte Table

Element	m/z	ISTD	Tune Step	Meas Value	FinalConc	%RSD	Units	CPS	CPS %RSD	High Value	QC Flag
Be	9	6	1	0.00	0.00	#DIV/0!	ppb	0.00	#DIV/0!	3600	
Na	23	45	2	95.90	95.90	5.99	ppb	31722.24	3.41	1800000	
Mg	24	45	2	-0.10	-0.10	-581.41	ppb	166.68	36.66	450000	
Al	27	45	2	-1.30	-1.30	-81.88	ppb	20.00	100.00	450000	
K	39	45	2	-11.74	-11.74	-63.69	ppb	2033.62	17.33	180000	
Ca	44	45	2	-3.84	-3.84	-510.52	ppb	26.67	173.21	450000	
V	51	72	2	0.10	0.10	132.34	ppb	89.58	201.40	3600	
Cr	52	72	2	0.02	0.02	197.57	ppb	166.68	42.14	3600	
Mn	55	72	2	0.26	0.26	64.56	ppb	293.36	31.49	3600	
Fe	57	72	2	-0.21	-0.21	-654.88	ppb	140.01	37.79	90000	
Co	59	72	2	0.00	0.00	-127.72	ppb	20.00	100.00	3600	
Ni	60	72	2	-0.06	-0.06	-32.82	ppb	186.68	12.37	3600	
Cu	63	72	2	-0.05	-0.05	-110.60	ppb	1860.25	9.37	3600	
Zn	66	72	2	-0.19	-0.19	-222.15	ppb	280.03	51.51	3600	
As	75	72	2	0.14	0.14	91.58	ppb	36.67	56.77	3600	
Se	78	72	1	0.01	0.01	250.98	ppb	30.67	83.86	3600	
Nb	93	72	2	0.14	0.14	18.36	ppb	873.43	11.53	7200	
Mo	95	115	2	0.02	0.02	173.21	ppb	26.67	173.21	3600	
Pd	105	115	2	-0.01	-0.01	0.00	ppb	0.00	#DIV/0!	3600	
Ag	107	115	2	0.01	0.01	103.36	ppb	120.01	57.73	900	
Cd	111	115	2	0.04	0.04	99.42	ppb	20.00	100.00	3600	
Sn	120	115	2	-0.01	-0.01	-579.33	ppb	240.02	22.05	3600	
Sb	121	115	2	0.00	0.00	-1343.26	ppb	40.00	132.29	3600	
Ba	137	115	2	0.02	0.02	173.21	ppb	6.67	173.21	3600	
W	182	165	2	0.01	0.01	180.08	ppb	1166.84	11.41	3600	
Pt	195	165	2	0.00	0.00	-67.10	ppb	40.00	50.00	3600	
Tl	205	165	2	0.00	0.00	-193.79	ppb	73.34	15.75	3600	
Pb	208	165	2	0.00	0.00	-374.69	ppb	1100.13	20.25	3600	
Th	232	165	2	-0.01	-0.01	-109.40	ppb	273.36	30.46	3600	
U	238	165	2	0.00	0.00	171.45	ppb	73.34	68.64	3600	

QC ISTD Table

Element	m/z	Tune Step	CPS	%RSD	Ref CPS	%Rec	Lower Limit	Upper Limit	QC Flag
Li6	6	1	1704945	0.29	1351330	126.2	60	125	IS Main Failed
Sc (IS)	45	2	1063270	1.30	801966	132.6	60	125	IS Main Failed
Ge (IS)	72	1	25983765	0.22	22017207	118.0	60	125	
Ge (IS)	72	2	1510185	2.08	1147692	131.6	60	125	IS Main Failed
115In	115	2	4176707	0.99	3129797	133.4	60	125	IS Main Failed
Ho-165	165	2	25060073	1.51	18911181	132.5	60	125	IS Main Failed

TuneStep	TuneFile	TuneDate
1	h2_hmi.u	5/2/2012 2:04:00 PM
2	he_hmi.u	5/2/2012 2:04:00 PM

Sample Report

Sample Name	rinse
Data File Name	053SMPL.D
DataPath	d:\DATA\050212.B
Acq Date Time	2012-05-02T14:09:13-06:00
Type	Sample
VialNumber	3
Dilution	1
Comment	
Operator	LMT
ISTDRefDataFileName	003CALB.D
SamplePassFail	Fail
ISTD PassFail	Pass

QC Analyte Table

Element	m/z	ISTD	Tune Step	Meas Value	FinalConc	%RSD	Units	CPS	CPS %RSD	High Value	QC Flag
Be	9	6	1	0.01	0.01	173.21	ppb	6.67	173.21	3600	
Na	23	45	2	99.07	99.07	0.42	ppb	31943.03	1.60	1800000	
Mg	24	45	2	2.23	2.23	124.84	ppb	393.37	68.28	450000	
Al	27	45	2	-1.27	-1.27	-86.08	ppb	20.00	100.00	450000	
K	39	45	2	-18.45	-18.45	-21.53	ppb	1706.89	11.86	180000	
Ca	44	45	2	2.07	2.07	705.48	ppb	40.00	86.61	450000	
V	51	72	2	0.02	0.02	28.32	ppb	-21.29	-34.59	3600	
Cr	52	72	2	-0.02	-0.02	-30.20	ppb	93.34	12.37	3600	
Mn	55	72	2	0.30	0.30	43.21	ppb	313.36	25.80	3600	
Fe	57	72	2	0.22	0.22	346.73	ppb	153.35	19.93	90000	
Co	59	72	2	0.00	0.00	-314.82	ppb	26.67	86.60	3600	
Ni	60	72	2	0.05	0.05	84.76	ppb	320.03	16.54	3600	
Cu	63	72	2	0.00	0.00	-4155.20	ppb	1980.28	21.29	3600	
Zn	66	72	2	-0.01	-0.01	-6156.01	ppb	326.70	62.54	3600	
As	75	72	2	-0.04	-0.04	-188.49	ppb	6.67	173.21	3600	
Se	78	72	1	0.00	0.00	361.93	ppb	22.67	44.41	3600	
Nb	93	72	2	0.10	0.10	51.50	ppb	680.08	33.41	7200	
Mo	95	115	2	0.04	0.04	113.73	ppb	53.34	114.57	3600	
Pd	105	115	2	0.01	0.01	305.25	ppb	40.00	173.21	3600	
Ag	107	115	2	0.00	0.00	-301.75	ppb	40.00	100.00	900	
Cd	111	115	2	0.07	0.07	131.57	ppb	40.00	132.29	3600	
Sn	120	115	2	-0.03	-0.03	-176.32	ppb	206.69	31.11	3600	
Sb	121	115	2	0.04	0.04	53.81	ppb	80.01	25.00	3600	
Ba	137	115	2	0.02	0.02	173.21	ppb	6.67	173.21	3600	
W	182	165	2	0.00	0.00	4333.23	ppb	1100.15	20.25	3600	
Pt	195	165	2	0.00	0.00	316.91	ppb	86.67	58.08	3600	
Tl	205	165	2	0.01	0.01	43.24	ppb	186.68	24.74	3600	
Pb	208	165	2	0.02	0.02	40.52	ppb	1413.50	7.26	3600	
Th	232	165	2	-0.01	-0.01	-61.41	ppb	173.35	63.55	3600	
U	238	165	2	0.00	0.00	1829.07	ppb	46.67	107.86	3600	

QC ISTD Table

Element	m/z	Tune Step	CPS	%RSD	Ref CPS	%Rec	Lower Limit	Upper Limit	QC Flag
Li6	6	1	1679041	0.85	1351330	124.3	60	125	
Sc (IS)	45	2	1044162	1.89	801966	130.2	60	125	IS Main Failed
Ge (IS)	72	1	25295060	0.13	22017207	114.9	60	125	
Ge (IS)	72	2	1467625	1.46	1147692	127.9	60	125	IS Main Failed
115In	115	2	4132881	1.73	3129797	132.0	60	125	IS Main Failed
Ho-165	165	2	25047399	0.22	18911181	132.4	60	125	IS Main Failed

TuneStep	TuneFile	TuneDate
1	h2_hmi.u	5/2/2012 2:07:00 PM
2	he_hmi.u	5/2/2012 2:07:00 PM

Sample Report

Sample Name	rinse
Data File Name	054SMPL.D
DataPath	d:\DATA\050212.B
Acq Date Time	2012-05-02T14:12:09-06:00
Type	Sample
VialNumber	3
Dilution	1
Comment	
Operator	LMT
ISTDRefDataFileName	003CALB.D
SamplePassFail	Fail
ISTD PassFail	Pass

QC Analyte Table

Element	m/z	ISTD	Tune Step	Meas Value	FinalConc	%RSD	Units	CPS	CPS %RSD	High Value	QC Flag
Be	9	6	1	0.00	0.00	#DIV/0!	ppb	0.00	#DIV/0!	3600	
Na	23	45	2	75.24	75.24	6.73	ppb	25592.34	2.98	1800000	
Mg	24	45	2	0.85	0.85	35.53	ppb	253.36	9.12	450000	
Al	27	45	2	2.11	2.11	97.36	ppb	80.01	43.30	450000	
K	39	45	2	-11.48	-11.48	-40.99	ppb	1966.93	8.16	180000	
Ca	44	45	2	28.86	28.86	48.32	ppb	100.01	34.64	450000	
V	51	72	2	0.06	0.06	28.37	ppb	31.00	69.35	3600	
Cr	52	72	2	-0.03	-0.03	-90.32	ppb	66.67	75.50	3600	
Mn	55	72	2	0.17	0.17	55.35	ppb	233.36	26.19	3600	
Fe	57	72	2	0.62	0.62	197.29	ppb	166.68	30.20	90000	
Co	59	72	2	-0.01	-0.01	-55.40	ppb	13.33	86.60	3600	
Ni	60	72	2	-0.04	-0.04	-62.41	ppb	206.69	11.18	3600	
Cu	63	72	2	0.06	0.06	136.58	ppb	2180.34	14.33	3600	
Zn	66	72	2	-0.19	-0.19	-41.64	ppb	266.69	8.66	3600	
As	75	72	2	0.04	0.04	276.60	ppb	20.00	100.00	3600	
Se	78	72	1	0.00	0.00	-2.29	ppb	16.00	0.00	3600	
Nb	93	72	2	0.08	0.08	47.45	ppb	580.07	26.93	7200	
Mo	95	115	2	0.03	0.03	98.12	ppb	40.00	100.00	3600	
Pd	105	115	2	0.01	0.01	92.01	ppb	40.00	50.01	3600	
Ag	107	115	2	0.00	0.00	241.03	ppb	60.01	33.34	900	
Cd	111	115	2	0.09	0.09	22.70	ppb	46.67	24.75	3600	
Sn	120	115	2	0.00	0.00	-7679.06	ppb	240.03	8.33	3600	
Sb	121	115	2	0.07	0.07	90.96	ppb	100.02	52.91	3600	
Ba	137	115	2	0.10	0.10	86.71	ppb	26.67	86.60	3600	
W	182	165	2	0.02	0.02	151.57	ppb	1213.53	14.96	3600	
Pt	195	165	2	-0.01	-0.01	-54.26	ppb	26.67	86.60	3600	
Tl	205	165	2	0.00	0.00	-371.98	ppb	73.34	31.50	3600	
Pb	208	165	2	0.00	0.00	86.14	ppb	1220.12	5.91	3600	
Th	232	165	2	-0.01	-0.01	-84.36	ppb	240.02	41.67	3600	
U	238	165	2	0.00	0.00	-616.47	ppb	40.00	50.01	3600	

QC ISTD Table

Element	m/z	Tune Step	CPS	%RSD	Ref CPS	%Rec	Lower Limit	Upper Limit	QC Flag
Li6	6	1	1648028	0.67	1351330	122.0	60	125	
Sc (IS)	45	2	1025403	2.87	801966	127.9	60	125	IS Main Failed
Ge (IS)	72	1	24609165	0.48	22017207	111.8	60	125	
Ge (IS)	72	2	1443722	2.85	1147692	125.8	60	125	IS Main Failed
115In	115	2	4045721	3.06	3129797	129.3	60	125	IS Main Failed
Ho-165	165	2	24819264	2.52	18911181	131.2	60	125	IS Main Failed

TuneStep	TuneFile	TuneDate
1	h2_hmi.u	5/2/2012 2:10:00 PM
2	he_hmi.u	5/2/2012 2:10:00 PM

Calibration Blank Report

Sample Name	icis
Data File Name	055CALB.D
DataPath	d:\DATA\050212.B
Acq Date Time	2012-05-02T14:15:06-06:00
Type	CalBlk
VialNumber	2101
Dilution	1
Comment	
Operator	LMT

QC Analyte Table

Element	m/z	ISTD	Tune Step	CPS	%RSD
Be	9	6	1	5	100.00
Na	23	45	2	23884	3.52
Mg	24	45	2	273	37.55
Al	27	45	2	20	100.00
K	39	45	2	1854	10.86
Ca	44	45	2	27	43.30
V	51	72	2	32	240.74
Cr	52	72	2	153	52.71
Mn	55	72	2	73	62.99
Fe	57	72	2	140	24.74
Co	59	72	2	27	86.60
Ni	60	72	2	180	22.22
Cu	63	72	2	1694	11.35
Zn	66	72	2	180	19.25
As	75	72	2	23	89.21
Se	78	72	1	19	12.37
Nb	93	72	2	533	28.15
Mo	95	115	2	20	100.00
Pd	105	115	2	33	69.29
Ag	107	115	2	27	114.57
Cd	111	115	2	20	100.00
Sn	120	115	2	253	9.12
Sb	121	115	2	100	87.18
Ba	137	115	2	33	91.66
W	182	165	2	1213	10.60
Pt	195	165	2	93	118.02
Tl	205	165	2	127	24.12
Pb	208	165	2	1167	18.88
Th	232	165	2	667	32.36
U	238	165	2	107	103.27

QC ISTD Table

Element	m/z	Tune Step	CPS	%RSD
Li6	6	1	1581655	6.80
Sc (IS)	45	2	982823	1.03
Ge (IS)	72	1	23777395	7.23
Ge (IS)	72	2	1399839	0.32
115In	115	2	3996161	0.41
Ho-165	165	2	24640411	0.77

TuneStep	TuneFile	TuneDate
1	h2_hmi.u	5/2/2012 2:13:00 PM
2	he_hmi.u	5/2/2012 2:13:00 PM

Calibration Standard Report

Sample Name	ic
Data File Name	056CALS.D
DataPath	d:\DATA\050212.B
Acq Date Time	2012-05-02T14:18:02-06:00
Type	CalStd
VialNumber	2102
Dilution	1
Comment	
Operator	LMT
ISTDRefDataFileName	055CALB.D
ISTD PassFail	Pass

QC Analyte Table

Element	m/z	ISTD	Tune Step	CPS	%RSD
Be	9	6	1	46061	0.66
Na	23	45	2	2334059	0.47
Mg	24	45	2	940585	0.39
Al	27	45	2	174356	1.81
K	39	45	2	398149	1.11
Ca	44	45	2	23323	1.85
V	51	72	2	122403	1.61
Cr	52	72	2	180756	1.93
Mn	55	72	2	57735	2.88
Fe	57	72	2	360655	1.01
Co	59	72	2	371133	0.95
Ni	60	72	2	111137	1.19
Cu	63	72	2	329516	0.23
Zn	66	72	2	30187	2.07
As	75	72	2	15554	2.61
Se	78	72	1	69981	0.74
Nb	93	72	2	863726	0.66
Mo	95	115	2	126705	0.96
Pd	105	115	2	245466	0.86
Ag	107	115	2	541618	1.24
Cd	111	115	2	55351	2.40
(Cd)	114	115	2	137090	3.36
Sn	120	115	2	118248	2.49
Sb	121	115	2	80705	1.70
Ba	137	115	2	26142	3.52
W	182	165	2	708669	0.74
Pt	195	165	2	635792	0.32
Tl	205	165	2	1089964	1.09
Pb	208	165	2	1386249	0.33
Th	232	165	2	1344930	0.87
U	238	165	2	1650623	0.20

QC ISTD Table

Element	m/z	Tune Step	CPS	%RSD	Reference CPS	%Recovery	Lower Limit	Upper Limit	QC Flag
Li6	6	1	1488838	2.21	1581655	94.1	60	125	
Sc (IS)	45	2	961818	0.80	982823	97.9	60	125	
Ge (IS)	72	1	22425425	0.06	23777395	94.3	60	125	
Ge (IS)	72	2	1361816	0.65	1399839	97.3	60	125	
115In	115	2	3942829	0.71	3996161	98.7	60	125	
Ho-165	165	2	24394113	0.91	24640411	99.0	60	125	

TuneStep	TuneFile	TuneDate
1	h2_hmi.u	5/2/2012 2:16:00 PM
2	he_hmi.u	5/2/2012 2:16:00 PM

Continuing Calibration Verification (CCV) - US EPA Method 6020

Sample Name	ccv-1394868
Data File Name	0576CCV.D
DataPath	d:\DATA\050212.B
Acq Date Time	2012-05-02T14:21:01-06:00
Type	6-CCV
VialNumber	1107
Dilution	1
Comment	
Operator	LMT
ISTDRefDataFileName	055CALB.D
SamplePassFail	Fail
ISTD PassFail	Pass

QC Analyte Table

Element	m/z	ISTD	Tune Step	Meas Value	%RSD	Units	CPS	CPS%RSD	Exp Value	%Rec	QC Low	QC High	QC Flag
Be	9	6	1	49.69	6.81	ppb	22480.09	2.00	50	99.4	90	110	
Na	23	45	2	4894.75	2.55	ppb	1118066.29	2.85	5000	97.9	90	110	
Mg	24	45	2	4907.65	2.19	ppb	447110.89	1.07	5000	98.2	90	110	
Al	27	45	2	4955.66	2.34	ppb	83670.81	1.25	5000	99.1	90	110	
K	39	45	2	4961.94	2.65	ppb	192199.44	2.23	5000	99.2	90	110	
Ca	44	45	2	4564.95	4.33	ppb	10323.70	4.07	5000	91.3	90	110	
V	51	72	2	51.57	1.18	ppb	61446.34	0.92	50	103.1	90	110	
Cr	52	72	2	50.31	1.69	ppb	88571.42	1.93	50	100.6	90	110	
Mn	55	72	2	51.65	1.78	ppb	29051.64	2.25	50	103.3	90	110	
Fe	57	72	2	4967.75	1.03	ppb	174424.33	1.10	5000	99.4	90	110	
Co	59	72	2	52.01	1.05	ppb	187849.34	0.77	50	104.0	90	110	
Ni	60	72	2	51.86	4.99	ppb	56170.97	4.77	50	103.7	90	110	
Cu	63	72	2	55.69	0.86	ppb	179281.12	0.47	50	111.4	90	110	6-CCV Main Failed
Zn	66	72	2	55.25	3.88	ppb	16308.61	4.17	50	110.5	90	110	6-CCV Main Failed
As	75	72	2	51.87	0.61	ppb	7862.12	0.44	50	103.7	90	110	
Se	78	72	1	49.97	9.61	ppb	34880.67	5.41	50	99.9	90	110	
Nb	93	72	2	100.16	0.96	ppb	421211.89	0.46	100	100.2	90	110	
Mo	95	115	2	50.54	1.65	ppb	62352.90	1.60	50	101.1	90	110	
Pd	105	115	2	51.57	2.07	ppb	123248.62	1.09	50	103.1	90	110	
Ag	107	115	2	50.89	0.99	ppb	268385.65	0.79	50	101.8	90	110	
Cd	111	115	2	50.80	5.64	ppb	27377.56	4.98	50	101.6	90	110	
Sn	120	115	2	51.41	3.02	ppb	59297.97	2.04	50	102.8	90	110	
Sb	121	115	2	51.14	2.78	ppb	40230.27	2.53	50	102.3	90	110	
Ba	137	115	2	51.93	7.12	ppb	13239.57	8.05	50	103.9	90	110	
W	182	165	2	50.31	1.88	ppb	356595.55	0.79	50	100.6	90	110	
Pt	195	165	2	50.67	3.70	ppb	321701.88	2.63	50	101.3	90	110	
Tl	205	165	2	50.58	1.77	ppb	550613.69	0.82	50	101.2	90	110	
Pb	208	165	2	50.76	1.90	ppb	703286.79	0.95	50	101.5	90	110	
Th	232	165	2	50.69	2.49	ppb	681088.56	1.47	50	101.4	90	110	
U	238	165	2	50.77	1.99	ppb	836826.55	0.99	50	101.5	90	110	

QC ISTD Table

Element	m/z	Tune Step	CPS	%RSD	Ref CPS	%Rec	QC Low	QC High	QC Flag
Li6	6	1	1464887	4.84	1581655	92.6	60	125	
Sc (IS)	45	2	931473	1.13	982823	94.8	60	125	
Ge (IS)	72	1	22422221	3.99	23777395	94.3	60	125	
Ge (IS)	72	2	1325283	0.50	1399839	94.7	60	125	
115In	115	2	3839013	1.47	3996161	96.1	60	125	
Ho-165	165	2	24361598	1.09	24640411	98.9	60	125	

TuneStep	TuneFile
1	h2_hmi.u
2	he_hmi.u

Continuing Calibration Blank (CCB) - US EPA Method 6020

Sample Name	ccb-1394903
Data File Name	0586CCB.D
DataPath	d:\DATA\050212.B
Acq Date Time	2012-05-02T14:24:37-06:00
Type	6-CCB
VialNumber	1307
Dilution	1
Comment	
Operator	LMT
ISTDRefDataFileName	055CALB.D
SamplePassFail	Pass
ISTD PassFail	Pass

QC Analyte Table

Element	m/z	ISTD	Tune Step	Meas Value	%RSD	Units	CPS	CPS %RSD	QC High	QC Flag
Be	9	6	1	0.00	365.95	ppb	6.67	114.56	1	
Na	23	45	2	-25.40	-14.44	ppb	16375.03	4.54	20	
Mg	24	45	2	-0.65	-202.58	ppb	193.35	59.73	20	
Al	27	45	2	0.52	137.25	ppb	26.67	43.30	20	
K	39	45	2	-1.18	-525.27	ppb	1653.55	13.92	20	
Ca	44	45	2	1.02	2089.14	ppb	26.67	173.21	20	
V	51	72	2	0.01	1623.42	ppb	40.03	436.90	1	
Cr	52	72	2	0.00	1620.23	ppb	146.68	67.27	1	
Mn	55	72	2	0.02	274.38	ppb	80.01	43.30	1	
Fe	57	72	2	2.10	183.74	ppb	200.02	65.58	20	
Co	59	72	2	0.00	466.61	ppb	33.34	124.90	1	
Ni	60	72	2	-0.06	-30.04	ppb	100.01	20.00	1	
Cu	63	72	2	0.10	97.63	ppb	1866.91	16.23	1	
Zn	66	72	2	0.15	289.98	ppb	206.69	58.34	5	
As	75	72	2	-0.03	-120.16	ppb	16.67	34.64	5	
Se	78	72	1	0.02	127.40	ppb	29.33	56.77	5	
Nb	93	72	2	0.61	4.05	ppb	2973.84	3.45	5	
Mo	95	115	2	0.11	70.62	ppb	146.69	61.49	1	
Pd	105	115	2	0.03	94.46	ppb	93.34	61.86	1	
Ag	107	115	2	0.01	216.56	ppb	53.34	114.57	1	
Cd	111	115	2	0.01	295.77	ppb	26.67	86.60	1	
Sn	120	115	2	0.10	79.89	ppb	353.37	25.53	5	
Sb	121	115	2	0.14	66.74	ppb	200.02	36.05	0.2	
Ba	137	115	2	-0.13	0.00	ppb	0.00	#DIV/0!	1	
W	182	165	2	0.06	66.43	ppb	1620.26	18.19	1	
Pt	195	165	2	0.00	749.58	ppb	106.68	108.26	1	
Tl	205	165	2	0.01	41.86	ppb	273.36	22.35	1	
Pb	208	165	2	0.03	25.51	ppb	1486.84	6.64	1	
Th	232	165	2	0.10	13.61	ppb	2020.34	9.90	1	
U	238	165	2	0.01	43.80	ppb	340.03	31.13	1	

QC ISTD Table

Element	m/z	Tune Step	CPS	%RSD	Ref CPS	%Rec	QC Low	QC High	QC Flag
Li6	6	1	1382242	1.28	1581655	87.4	60	125	
Sc (IS)	45	2	899819	0.35	982823	91.6	60	125	
Ge (IS)	72	1	20844257	0.78	23777395	87.7	60	125	
Ge (IS)	72	2	1284857	0.42	1399839	91.8	60	125	
115In	115	2	3765267	1.04	3996161	94.2	60	125	
Ho-165	165	2	23944963	0.68	24640411	97.2	60	125	

TuneStep	TuneFile
1	h2_hmi.u
2	he_hmi.u

Sample Report

Sample Name	280-28063-B-15-B@5
Data File Name	059SMPL.D
DataPath	d:\DATA\050212.B
Acq Date Time	2012-05-02T14:28:49-06:00
Type	Sample
VialNumber	2205
Dilution	1
Comment	116805 6020
Operator	LMT
ISTDRefDataFileName	055CALB.D
SamplePassFail	Pass
ISTD PassFail	Pass

QC Analyte Table

Element	m/z	ISTD	Tune Step	Meas Value	FinalConc	%RSD	Units	CPS	CPS %RSD	High Value	QC Flag
Be	9	6	1	0.02	0.02	173.64	ppb	11.67	107.85	3600	
Na	23	45	2	10.95	10.95	26.74	ppb	23356.50	2.48	1800000	
Mg	24	45	2	3.37	3.37	24.14	ppb	526.73	12.21	450000	
Al	27	45	2	0.16	0.16	803.54	ppb	20.00	100.00	450000	
K	39	45	2	0.15	0.15	2401.06	ppb	1640.23	6.79	180000	
Ca	44	45	2	49.07	49.07	11.08	ppb	126.68	9.12	450000	
V	51	72	2	0.04	0.04	395.48	ppb	67.66	231.60	3600	
Cr	52	72	2	0.28	0.28	28.58	ppb	593.40	21.93	3600	
Mn	55	72	2	-0.02	-0.02	-356.04	ppb	53.34	78.07	3600	
Fe	57	72	2	3.12	3.12	56.35	ppb	226.69	25.47	90000	
Co	59	72	2	0.00	0.00	-944.16	ppb	20.00	173.21	3600	
Ni	60	72	2	0.20	0.20	47.81	ppb	366.70	26.91	3600	
Cu	63	72	2	0.06	0.06	44.02	ppb	1673.56	4.53	3600	
Zn	66	72	2	0.54	0.54	103.73	ppb	306.70	49.81	3600	
As	75	72	2	-0.05	-0.05	-156.89	ppb	13.33	86.60	3600	
Se	78	72	1	0.01	0.01	87.11	ppb	22.67	36.74	3600	
Nb	93	72	2	0.19	0.19	38.15	ppb	1226.84	23.54	7200	
Mo	95	115	2	0.01	0.01	157.15	ppb	33.33	69.28	3600	
Pd	105	115	2	0.01	0.01	182.38	ppb	60.01	88.19	3600	
Ag	107	115	2	0.01	0.01	145.41	ppb	53.34	78.07	900	
Cd	111	115	2	0.00	0.00	1429.63	ppb	20.00	100.00	3600	
Sn	120	115	2	0.00	0.00	-6690.84	ppb	233.36	64.90	3600	
Sb	121	115	2	0.03	0.03	113.99	ppb	113.35	20.38	3600	
Ba	137	115	2	-0.04	-0.04	-181.66	ppb	20.00	100.00	3600	
W	182	165	2	-0.01	-0.01	-169.84	ppb	1080.14	12.97	3600	
Pt	195	165	2	0.00	0.00	278.18	ppb	106.67	43.31	3600	
Tl	205	165	2	0.01	0.01	121.72	ppb	233.36	58.35	3600	
Pb	208	165	2	0.04	0.04	5.01	ppb	1693.55	1.80	3600	
Th	232	165	2	0.07	0.07	23.25	ppb	1553.56	13.77	3600	
U	238	165	2	0.01	0.01	79.06	ppb	206.69	40.29	3600	

QC ISTD Table

Element	m/z	Tune Step	CPS	%RSD	Ref CPS	%Rec	Lower Limit	Upper Limit	QC Flag
Li6	6	1	1294207	8.69	1581655	81.8	60	125	
Sc (IS)	45	2	867279	0.84	982823	88.2	60	125	
Ge (IS)	72	1	19309817	9.41	23777395	81.2	60	125	
Ge (IS)	72	2	1240852	0.11	1399839	88.6	60	125	
115In	115	2	3718845	0.21	3996161	93.1	60	125	
Ho-165	165	2	23639485	0.21	24640411	95.9	60	125	

TuneStep	TuneFile	TuneDate
1	h2_hmi.u	5/2/2012 2:27:00 PM
2	he_hmi.u	5/2/2012 2:27:00 PM

Sample Report

Sample Name	280-28063-E-17-D@5
Data File Name	060SMPL.D
DataPath	d:\DATA\050212.B
Acq Date Time	2012-05-02T14:31:47-06:00
Type	Sample
VialNumber	2207
Dilution	1
Comment	116805 6020
Operator	LMT
ISTDRefDataFileName	055CALB.D
SamplePassFail	Pass
ISTD PassFail	Pass

QC Analyte Table

Element	m/z	ISTD	Tune Step	Meas Value	FinalConc	%RSD	Units	CPS	CPS %RSD	High Value	QC Flag
Be	9	6	1	0.00	0.00	414.68	ppb	5.00	100.00	3600	
Na	23	45	2	987288.79	987288.79	7.66	ppb	197224743.73	4.79	1800000	
Mg	24	45	2	13184.21	13184.21	10.27	ppb	1071332.87	7.34	450000	
Al	27	45	2	0.67	0.67	124.49	ppb	26.67	43.30	450000	
K	39	45	2	4207.89	4207.89	6.58	ppb	145760.28	3.60	180000	
Ca	44	45	2	88222.27	88222.27	12.04	ppb	177557.00	9.36	450000	
V	51	72	2	6.84	6.84	15.93	ppb	6657.07	12.84	3600	
Cr	52	72	2	-0.01	-0.01	-568.30	ppb	100.01	91.65	3600	
Mn	55	72	2	2.54	2.54	6.87	ppb	1220.15	4.34	3600	
Fe	57	72	2	9.20	9.20	40.06	ppb	373.37	30.46	90000	
Co	59	72	2	0.02	0.02	82.84	ppb	73.34	56.77	3600	
Ni	60	72	2	0.38	0.38	33.64	ppb	473.39	21.68	3600	
Cu	63	72	2	0.11	0.11	95.00	ppb	1586.88	16.40	3600	
Zn	66	72	2	0.81	0.81	74.75	ppb	333.36	45.04	3600	
As	75	72	2	16.64	16.64	11.79	ppb	2066.87	8.95	3600	
Se	78	72	1	1.70	1.70	7.04	ppb	837.37	6.09	3600	
Nb	93	72	2	0.15	0.15	51.10	ppb	933.45	25.56	7200	
Mo	95	115	2	20.24	20.24	3.97	ppb	20346.74	1.72	3600	
Pd	105	115	2	0.02	0.02	155.49	ppb	60.01	88.20	3600	
Ag	107	115	2	0.01	0.01	125.13	ppb	80.01	90.14	900	
Cd	111	115	2	0.06	0.06	160.80	ppb	40.00	100.00	3600	
Sn	120	115	2	0.07	0.07	98.91	ppb	266.70	26.34	3600	
Sb	121	115	2	0.02	0.02	909.70	ppb	93.34	136.09	3600	
Ba	137	115	2	1.02	1.02	71.59	ppb	240.02	66.15	3600	
W	182	165	2	-0.02	-0.02	-177.84	ppb	826.76	24.48	3600	
Pt	195	165	2	-0.01	-0.01	-61.33	ppb	26.67	114.57	3600	
Tl	205	165	2	0.01	0.01	39.16	ppb	193.36	15.80	3600	
Pb	208	165	2	0.01	0.01	37.57	ppb	1020.11	3.40	3600	
Th	232	165	2	0.16	0.16	14.58	ppb	2247.06	8.08	3600	
U	238	165	2	0.45	0.45	4.31	ppb	6068.34	4.19	3600	

QC ISTD Table

Element	m/z	Tune Step	CPS	%RSD	Ref CPS	%Rec	Lower Limit	Upper Limit	QC Flag
Li6	6	1	1139108	1.37	1581655	72.0	60	125	
Sc (IS)	45	2	832567	2.83	982823	84.7	60	125	
Ge (IS)	72	1	15596220	0.87	23777395	65.6	60	125	
Ge (IS)	72	2	1081927	2.87	1399839	77.3	60	125	
115In	115	2	3129032	3.70	3996161	78.3	60	125	
Ho-165	165	2	19643859	3.81	24640411	79.7	60	125	

TuneStep	TuneFile	TuneDate
1	h2_hmi.u	5/2/2012 2:30:00 PM
2	he_hmi.u	5/2/2012 2:30:00 PM

Sample Report

Sample Name	280-28286-B-7-B@2
Data File Name	061SMPL.D
DataPath	d:\DATA\050212.B
Acq Date Time	2012-05-02T14:34:44-06:00
Type	Sample
VialNumber	2209
Dilution	1
Comment	117485 6020
Operator	LMT
ISTDRefDataFileName	055CALB.D
SamplePassFail	Pass
ISTD PassFail	Pass

QC Analyte Table

Element	m/z	ISTD	Tune Step	Meas Value	FinalConc	%RSD	Units	CPS	CPS %RSD	High Value	QC Flag
Be	9	6	1	0.01	0.01	286.98	ppb	6.67	114.56	3600	
Na	23	45	2	1435462.79	1435462.79	0.69	ppb	310684082.04	1.56	1800000	
Mg	24	45	2	34776.61	34776.61	1.43	ppb	3063065.47	2.32	450000	
Al	27	45	2	48.30	48.30	21.52	ppb	806.75	21.09	450000	
K	39	45	2	5468.80	5468.80	2.11	ppb	204711.01	2.74	180000	
Ca	44	45	2	95753.48	95753.48	1.44	ppb	208956.28	2.31	450000	
V	51	72	2	0.64	0.64	77.21	ppb	668.52	73.59	3600	
Cr	52	72	2	1.51	1.51	16.75	ppb	2360.42	15.26	3600	
Mn	55	72	2	58.83	58.83	2.91	ppb	27976.72	2.51	3600	
Fe	57	72	2	453.59	453.59	0.81	ppb	13572.87	0.95	90000	
Co	59	72	2	0.36	0.36	34.10	ppb	1126.82	33.33	3600	
Ni	60	72	2	1.63	1.63	16.75	ppb	1633.57	14.35	3600	
Cu	63	72	2	1.10	1.10	12.90	ppb	4327.56	9.09	3600	
Zn	66	72	2	3.06	3.06	4.69	ppb	900.13	3.85	3600	
As	75	72	2	0.43	0.43	45.86	ppb	73.34	34.32	3600	
Se	78	72	1	0.17	0.17	5.62	ppb	92.00	4.35	3600	
Nb	93	72	2	0.15	0.15	17.34	ppb	953.43	10.35	7200	
Mo	95	115	2	1.29	1.29	15.93	ppb	1340.18	16.95	3600	
Pd	105	115	2	0.05	0.05	23.16	ppb	133.35	17.32	3600	
Ag	107	115	2	0.03	0.03	1.46	ppb	160.02	0.00	900	
Cd	111	115	2	0.17	0.17	15.08	ppb	93.34	12.37	3600	
Sn	120	115	2	0.08	0.08	138.15	ppb	280.03	37.79	3600	
Sb	121	115	2	0.06	0.06	148.94	ppb	120.01	50.00	3600	
Ba	137	115	2	52.91	52.91	8.02	ppb	11231.32	7.85	3600	
W	182	165	2	-0.01	-0.01	-654.25	ppb	920.11	28.51	3600	
Pt	195	165	2	0.00	0.00	-303.15	ppb	66.67	34.65	3600	
Tl	205	165	2	0.00	0.00	-327.86	ppb	93.34	24.74	3600	
Pb	208	165	2	0.31	0.31	12.82	ppb	4320.64	9.96	3600	
Th	232	165	2	0.23	0.23	18.53	ppb	3013.89	15.74	3600	
U	238	165	2	1.34	1.34	0.95	ppb	17831.87	0.90	3600	

QC ISTD Table

Element	m/z	Tune Step	CPS	%RSD	Ref CPS	%Rec	Lower Limit	Upper Limit	QC Flag
Li6	6	1	1209649	1.56	1581655	76.5	60	125	
Sc (IS)	45	2	900753	0.91	982823	91.6	60	125	
Ge (IS)	72	1	15394705	0.69	23777395	64.7	60	125	
Ge (IS)	72	2	1120999	1.15	1399839	80.1	60	125	
115In	115	2	3198136	1.27	3996161	80.0	60	125	
Ho-165	165	2	19532963	0.55	24640411	79.3	60	125	

TuneStep	TuneFile	TuneDate
1	h2_hmi.u	5/2/2012 2:33:00 PM
2	he_hmi.u	5/2/2012 2:33:00 PM

Sample Report

Sample Name	280-28286-B-8-B@5
Data File Name	062SMPL.D
DataPath	d:\DATA\050212.B
Acq Date Time	2012-05-02T14:37:41-06:00
Type	Sample
VialNumber	2210
Dilution	1
Comment	117485 6020
Operator	LMT
ISTDRefDataFileName	055CALB.D
SamplePassFail	Pass
ISTD PassFail	Pass

QC Analyte Table

Element	m/z	ISTD	Tune Step	Meas Value	FinalConc	%RSD	Units	CPS	CPS %RSD	High Value	QC Flag
Be	9	6	1	-0.01	-0.01	-70.19	ppb	1.67	173.21	3600	
Na	23	45	2	482.11	482.11	11.15	ppb	141765.02	9.92	1800000	
Mg	24	45	2	7.46	7.46	5.60	ppb	1020.14	5.19	450000	
Al	27	45	2	-0.03	-0.03	-3429.87	ppb	20.00	100.00	450000	
K	39	45	2	-3.87	-3.87	-70.42	ppb	1746.89	7.63	180000	
Ca	44	45	2	29.55	29.55	26.61	ppb	100.01	20.00	450000	
V	51	72	2	0.03	0.03	203.38	ppb	70.75	112.12	3600	
Cr	52	72	2	0.00	0.00	-336269.54	ppb	153.35	41.93	3600	
Mn	55	72	2	0.05	0.05	352.11	ppb	106.67	108.26	3600	
Fe	57	72	2	7.49	7.49	45.59	ppb	420.04	31.23	90000	
Co	59	72	2	0.00	0.00	-309.19	ppb	20.00	100.00	3600	
Ni	60	72	2	0.03	0.03	268.76	ppb	220.02	48.10	3600	
Cu	63	72	2	0.14	0.14	85.23	ppb	2173.69	19.44	3600	
Zn	66	72	2	0.34	0.34	90.39	ppb	286.69	34.42	3600	
As	75	72	2	-0.02	-0.02	-289.30	ppb	20.00	50.00	3600	
Se	78	72	1	0.01	0.01	161.35	ppb	26.67	45.83	3600	
Nb	93	72	2	-0.02	-0.02	-240.88	ppb	466.71	36.45	7200	
Mo	95	115	2	0.00	0.00	357.03	ppb	26.67	86.60	3600	
Pd	105	115	2	0.01	0.01	383.91	ppb	53.34	141.97	3600	
Ag	107	115	2	0.00	0.00	-170.00	ppb	13.33	173.21	900	
Cd	111	115	2	-0.04	-0.04	0.00	ppb	0.00	#DIV/0!	3600	
Sn	120	115	2	0.05	0.05	17.59	ppb	313.37	3.69	3600	
Sb	121	115	2	-0.04	-0.04	-165.57	ppb	66.67	86.60	3600	
Ba	137	115	2	-0.03	-0.03	-421.89	ppb	26.67	114.57	3600	
W	182	165	2	0.02	0.02	168.43	ppb	1360.19	15.56	3600	
Pt	195	165	2	0.00	0.00	1458.91	ppb	100.01	72.11	3600	
Tl	205	165	2	0.00	0.00	-237.14	ppb	106.67	47.19	3600	
Pb	208	165	2	0.00	0.00	217.85	ppb	1246.81	11.38	3600	
Th	232	165	2	-0.02	-0.02	-117.57	ppb	373.37	96.18	3600	
U	238	165	2	0.00	0.00	-243.65	ppb	86.67	58.08	3600	

QC ISTD Table

Element	m/z	Tune Step	CPS	%RSD	Ref CPS	%Rec	Lower Limit	Upper Limit	QC Flag
Li6	6	1	1716119	1.62	1581655	108.5	60	125	
Sc (IS)	45	2	1011221	1.16	982823	102.9	60	125	
Ge (IS)	72	1	24372301	0.34	23777395	102.5	60	125	
Ge (IS)	72	2	1404044	1.42	1399839	100.3	60	125	
115In	115	2	4047284	0.66	3996161	101.3	60	125	
Ho-165	165	2	25026953	0.74	24640411	101.6	60	125	

TuneStep	TuneFile	TuneDate
1	h2_hmi.u	5/2/2012 2:36:00 PM
2	he_hmi.u	5/2/2012 2:36:00 PM

Continuing Calibration Verification (CCV) - US EPA Method 6020

Sample Name	ccv-1394868
Data File Name	0636CCV.D
DataPath	d:\DATA\050212.B
Acq Date Time	2012-05-02T14:40:39-06:00
Type	6-CCV
VialNumber	1107
Dilution	1
Comment	
Operator	LMT
ISTDRefDataFileName	055CALB.D
SamplePassFail	Fail
ISTD PassFail	Pass

QC Analyte Table

Element	m/z	ISTD	Tune Step	Meas Value	%RSD	Units	CPS	CPS%RSD	Exp Value	%Rec	QC Low	QC High	QC Flag
Be	9	6	1	48.41	4.50	ppb	24939.86	3.57	50	96.8	90	110	
Na	23	45	2	5199.50	1.84	ppb	1261501.26	1.49	5000	104.0	90	110	
Mg	24	45	2	4981.44	1.48	ppb	482707.00	1.20	5000	99.6	90	110	
Al	27	45	2	4985.14	1.39	ppb	89531.82	1.85	5000	99.7	90	110	
K	39	45	2	4962.69	0.94	ppb	204452.28	0.87	5000	99.3	90	110	
Ca	44	45	2	4828.66	5.96	ppb	11611.09	5.50	5000	96.6	90	110	
V	51	72	2	53.79	2.71	ppb	67919.64	2.61	50	107.6	90	110	
Cr	52	72	2	52.01	3.16	ppb	97026.79	3.61	50	104.0	90	110	
Mn	55	72	2	52.46	3.21	ppb	31269.21	2.94	50	104.9	90	110	
Fe	57	72	2	4969.19	0.93	ppb	184899.40	1.10	5000	99.4	90	110	
Co	59	72	2	51.00	0.52	ppb	195241.71	0.66	50	102.0	90	110	
Ni	60	72	2	51.21	1.32	ppb	58778.54	0.89	50	102.4	90	110	
Cu	63	72	2	55.42	1.22	ppb	189095.30	1.67	50	110.8	90	110	6-CCV Main Failed
Zn	66	72	2	55.79	8.52	ppb	17443.03	8.12	50	111.6	90	110	6-CCV Main Failed
As	75	72	2	52.06	0.33	ppb	8362.31	0.79	50	104.1	90	110	
Se	78	72	1	50.29	5.29	ppb	37973.48	3.49	50	100.6	90	110	
Nb	93	72	2	97.93	0.80	ppb	436429.26	0.97	100	97.9	90	110	
Mo	95	115	2	51.26	4.91	ppb	65679.20	4.20	50	102.5	90	110	
Pd	105	115	2	51.30	0.82	ppb	127359.74	1.16	50	102.6	90	110	
Ag	107	115	2	51.42	2.38	ppb	281654.80	1.96	50	102.8	90	110	
Cd	111	115	2	49.29	2.63	ppb	27603.90	2.95	50	98.6	90	110	
Sn	120	115	2	51.63	2.13	ppb	61860.79	1.41	50	103.3	90	110	
Sb	121	115	2	49.61	1.67	ppb	40537.10	0.93	50	99.2	90	110	
Ba	137	115	2	52.27	3.87	ppb	13833.36	3.17	50	104.5	90	110	
W	182	165	2	48.75	1.29	ppb	354916.57	1.19	50	97.5	90	110	
Pt	195	165	2	50.84	1.11	ppb	331535.18	1.36	50	101.7	90	110	
Tl	205	165	2	50.32	0.32	ppb	562466.66	0.13	50	100.6	90	110	
Pb	208	165	2	50.14	0.65	ppb	713467.03	0.91	50	100.3	90	110	
Th	232	165	2	49.42	0.27	ppb	681955.46	0.48	50	98.8	90	110	
U	238	165	2	50.30	1.24	ppb	851529.42	1.51	50	100.6	90	110	

QC ISTD Table

Element	m/z	Tune Step	CPS	%RSD	Ref CPS	%Rec	QC Low	QC High	QC Flag
Li6	6	1	1665018	1.64	1581655	105.3	60	125	
Sc (IS)	45	2	990612	0.46	982823	100.8	60	125	
Ge (IS)	72	1	24208691	1.81	23777395	101.8	60	125	
Ge (IS)	72	2	1404454	0.49	1399839	100.3	60	125	
115In	115	2	3987557	0.76	3996161	99.8	60	125	
Ho-165	165	2	25014834	0.29	24640411	101.5	60	125	

TuneStep	TuneFile
1	h2_hmi.u
2	he_hmi.u

Continuing Calibration Blank (CCB) - US EPA Method 6020

Sample Name	ccb-1394903
Data File Name	0646CCB.D
DataPath	d:\DATA\050212.B
Acq Date Time	2012-05-02T14:43:39-06:00
Type	6-CCB
VialNumber	1307
Dilution	1
Comment	
Operator	LMT
ISTDRefDataFileName	055CALB.D
SamplePassFail	Fail
ISTD PassFail	Pass

QC Analyte Table

Element	m/z	ISTD	Tune Step	Meas Value	%RSD	Units	CPS	CPS %RSD	QC High	QC Flag
Be	9	6	1	0.02	71.12	ppb	13.33	43.30	1	
Na	23	45	2	68.92	9.60	ppb	40165.35	3.90	20	6-CCB Main Failed
Mg	24	45	2	0.83	101.98	ppb	353.36	22.88	20	
Al	27	45	2	1.88	138.09	ppb	53.34	86.60	20	
K	39	45	2	-2.31	-111.15	ppb	1760.25	6.01	20	
Ca	44	45	2	11.17	43.59	ppb	53.34	21.66	20	
V	51	72	2	-0.08	-203.49	ppb	-62.45	-305.74	1	
Cr	52	72	2	0.02	140.89	ppb	180.02	22.22	1	
Mn	55	72	2	-0.01	-512.06	ppb	66.67	45.83	1	
Fe	57	72	2	1.48	129.54	ppb	193.35	36.33	20	
Co	59	72	2	0.00	146.70	ppb	40.00	50.01	1	
Ni	60	72	2	0.05	115.88	ppb	233.35	27.55	1	
Cu	63	72	2	0.03	101.26	ppb	1786.93	5.64	1	
Zn	66	72	2	-0.06	-108.01	ppb	160.02	12.50	5	
As	75	72	2	-0.02	-323.78	ppb	20.00	50.00	5	
Se	78	72	1	0.05	74.93	ppb	52.00	48.04	5	
Nb	93	72	2	0.65	7.89	ppb	3367.28	6.24	5	
Mo	95	115	2	0.08	34.93	ppb	120.01	28.87	1	
Pd	105	115	2	0.04	65.14	ppb	126.68	48.24	1	
Ag	107	115	2	0.01	164.66	ppb	86.67	113.84	1	
Cd	111	115	2	0.05	115.13	ppb	46.67	65.47	1	
Sn	120	115	2	-0.04	-161.81	ppb	206.68	36.64	5	
Sb	121	115	2	0.04	231.02	ppb	133.35	56.79	0.2	
Ba	137	115	2	-0.08	-115.44	ppb	13.33	173.21	1	
W	182	165	2	0.06	36.16	ppb	1620.24	8.64	1	
Pt	195	165	2	0.01	62.94	ppb	166.68	27.72	1	
Tl	205	165	2	0.02	77.59	ppb	340.04	48.15	1	
Pb	208	165	2	0.01	65.71	ppb	1360.16	9.18	1	
Th	232	165	2	0.11	21.78	ppb	2233.69	15.73	1	
U	238	165	2	0.02	19.02	ppb	373.37	13.48	1	

QC ISTD Table

Element	m/z	Tune Step	CPS	%RSD	Ref CPS	%Rec	QC Low	QC High	QC Flag
Li6	6	1	1608739	0.66	1581655	101.7	60	125	
Sc (IS)	45	2	982974	0.10	982823	100.0	60	125	
Ge (IS)	72	1	23410199	0.66	23777395	98.5	60	125	
Ge (IS)	72	2	1388160	0.55	1399839	99.2	60	125	
115In	115	2	4007540	0.43	3996161	100.3	60	125	
Ho-165	165	2	24768620	0.68	24640411	100.5	60	125	

TuneStep	TuneFile
1	h2_hmi.u
2	he_hmi.u

Sample Report

Sample Name	280-28283-A-8-B
Data File Name	065SMPL.D
DataPath	d:\DATA\050212.B
Acq Date Time	2012-05-02T14:46:35-06:00
Type	Sample
VialNumber	2401
Dilution	1
Comment	117485 6020
Operator	LMT
ISTDRefDataFileName	055CALB.D
SamplePassFail	Pass
ISTD PassFail	Pass

QC Analyte Table

Element	m/z	ISTD	Tune Step	Meas Value	FinalConc	%RSD	Units	CPS	CPS %RSD	High Value	QC Flag
Be	9	6	1	0.06	0.06	28.86	ppb	31.67	24.12	3600	
Na	23	45	2	24593.37	24593.37	5.19	ppb	5826402.83	2.38	1800000	
Mg	24	45	2	3600.70	3600.70	6.62	ppb	345877.44	3.77	450000	
Al	27	45	2	467.29	467.29	7.63	ppb	8336.17	5.76	450000	
K	39	45	2	1322.62	1322.62	4.21	ppb	55413.28	3.84	180000	
Ca	44	45	2	5074.31	5074.31	7.61	ppb	12091.70	4.86	450000	
V	51	72	2	0.60	0.60	79.16	ppb	776.21	75.27	3600	
Cr	52	72	2	0.53	0.53	9.73	ppb	1106.79	8.54	3600	
Mn	55	72	2	56.17	56.17	1.72	ppb	32611.56	4.53	3600	
Fe	57	72	2	7409.94	7409.94	6.81	ppb	268083.26	4.14	90000	
Co	59	72	2	0.92	0.92	6.07	ppb	3440.64	5.90	3600	
Ni	60	72	2	0.80	0.80	12.64	ppb	1066.81	9.62	3600	
Cu	63	72	2	0.46	0.46	5.85	ppb	3160.58	0.63	3600	
Zn	66	72	2	1.81	1.81	19.97	ppb	720.07	12.73	3600	
As	75	72	2	20.53	20.53	8.52	ppb	3220.43	6.06	3600	
Se	78	72	1	0.05	0.05	75.14	ppb	49.33	48.87	3600	
Nb	93	72	2	0.39	0.39	24.31	ppb	2200.33	17.89	7200	
Mo	95	115	2	0.09	0.09	23.46	ppb	133.34	17.32	3600	
Pd	105	115	2	0.01	0.01	368.70	ppb	53.34	141.97	3600	
Ag	107	115	2	0.01	0.01	71.19	ppb	106.68	54.13	900	
Cd	111	115	2	-0.02	-0.02	-90.21	ppb	6.67	173.21	3600	
Sn	120	115	2	0.00	0.00	-3006.89	ppb	246.69	32.77	3600	
Sb	121	115	2	0.02	0.02	164.39	ppb	120.01	28.87	3600	
Ba	137	115	2	163.48	163.48	7.46	ppb	42971.12	3.56	3600	
W	182	165	2	0.02	0.02	55.82	ppb	1393.54	2.99	3600	
Pt	195	165	2	0.00	0.00	-178.97	ppb	66.67	75.50	3600	
Tl	205	165	2	0.03	0.03	17.03	ppb	413.38	10.07	3600	
Pb	208	165	2	0.58	0.58	4.93	ppb	9468.67	4.09	3600	
Th	232	165	2	0.54	0.54	14.03	ppb	8103.08	11.21	3600	
U	238	165	2	0.04	0.04	16.48	ppb	706.75	11.44	3600	

QC ISTD Table

Element	m/z	Tune Step	CPS	%RSD	Ref CPS	%Rec	Lower Limit	Upper Limit	QC Flag
Li6	6	1	1436566	0.47	1581655	90.8	60	125	
Sc (IS)	45	2	983014	2.92	982823	100.0	60	125	
Ge (IS)	72	1	21730002	0.61	23777395	91.4	60	125	
Ge (IS)	72	2	1367642	2.79	1399839	97.7	60	125	
115In	115	2	3974182	4.19	3996161	99.4	60	125	
Ho-165	165	2	25124060	3.95	24640411	102.0	60	125	

TuneStep	TuneFile	TuneDate
1	h2_hmi.u	5/2/2012 2:45:00 PM
2	he_hmi.u	5/2/2012 2:45:00 PM

Sample Report

Sample Name	280-28283-A-9-B
Data File Name	066SMPL.D
DataPath	d:\DATA\050212.B
Acq Date Time	2012-05-02T14:49:32-06:00
Type	Sample
VialNumber	2402
Dilution	1
Comment	117485 6020
Operator	LMT
ISTDRefDataFileName	055CALB.D
SamplePassFail	Pass
ISTD PassFail	Pass

QC Analyte Table

Element	m/z	ISTD	Tune Step	Meas Value	FinalConc	%RSD	Units	CPS	CPS %RSD	High Value	QC Flag
Be	9	6	1	0.29	0.29	19.22	ppb	136.67	18.41	3600	
Na	23	45	2	9743.39	9743.39	9.24	ppb	2311968.09	2.93	1800000	
Mg	24	45	2	634.99	634.99	17.64	ppb	60736.53	11.66	450000	
Al	27	45	2	949.46	949.46	13.39	ppb	16810.59	7.06	450000	
K	39	45	2	1165.88	1165.88	9.10	ppb	48827.83	3.98	180000	
Ca	44	45	2	1104.32	1104.32	21.76	ppb	2627.07	15.54	450000	
V	51	72	2	1.88	1.88	42.96	ppb	2361.00	38.75	3600	
Cr	52	72	2	1.88	1.88	7.05	ppb	3647.38	1.76	3600	
Mn	55	72	2	8.61	8.61	20.09	ppb	5161.21	16.64	3600	
Fe	57	72	2	302.86	302.86	9.72	ppb	11337.94	4.21	90000	
Co	59	72	2	0.47	0.47	13.79	ppb	1813.60	17.69	3600	
Ni	60	72	2	0.89	0.89	23.58	ppb	1206.83	26.02	3600	
Cu	63	72	2	0.68	0.68	18.69	ppb	3967.49	5.56	3600	
Zn	66	72	2	1.56	1.56	13.03	ppb	660.07	5.25	3600	
As	75	72	2	1.87	1.87	15.48	ppb	323.35	18.64	3600	
Se	78	72	1	0.53	0.53	5.54	ppb	377.34	4.78	3600	
Nb	93	72	2	0.19	0.19	30.39	ppb	1366.86	17.58	7200	
Mo	95	115	2	0.08	0.08	130.01	ppb	120.01	109.29	3600	
Pd	105	115	2	0.00	0.00	-6183.67	ppb	33.34	91.66	3600	
Ag	107	115	2	0.01	0.01	123.57	ppb	93.34	86.60	900	
Cd	111	115	2	0.12	0.12	48.29	ppb	86.68	35.25	3600	
Sn	120	115	2	0.23	0.23	57.52	ppb	540.06	26.71	3600	
Sb	121	115	2	0.01	0.01	900.95	ppb	106.68	39.03	3600	
Ba	137	115	2	47.32	47.32	16.50	ppb	12699.19	11.35	3600	
W	182	165	2	0.01	0.01	92.35	ppb	1333.51	9.76	3600	
Pt	195	165	2	-0.01	-0.01	-17.30	ppb	26.67	43.30	3600	
Tl	205	165	2	0.07	0.07	15.25	ppb	893.43	9.05	3600	
Pb	208	165	2	0.64	0.64	12.11	ppb	10562.53	6.66	3600	
Th	232	165	2	0.47	0.47	23.15	ppb	7289.00	15.22	3600	
U	238	165	2	0.28	0.28	13.73	ppb	5007.97	9.15	3600	

QC ISTD Table

Element	m/z	Tune Step	CPS	%RSD	Ref CPS	%Rec	Lower Limit	Upper Limit	QC Flag
Li6	6	1	1470730	0.83	1581655	93.0	60	125	
Sc (IS)	45	2	981359	6.48	982823	99.9	60	125	
Ge (IS)	72	1	21855337	0.57	23777395	91.9	60	125	
Ge (IS)	72	2	1401830	5.77	1399839	100.1	60	125	
115In	115	2	4066040	6.30	3996161	101.7	60	125	
Ho-165	165	2	25721715	6.57	24640411	104.4	60	125	

TuneStep	TuneFile	TuneDate
1	h2_hmi.u	5/2/2012 2:48:00 PM
2	he_hmi.u	5/2/2012 2:48:00 PM

Sample Report

Sample Name	280-28283-A-10-B
Data File Name	067SMPL.D
DataPath	d:\DATA\050212.B
Acq Date Time	2012-05-02T14:52:29-06:00
Type	Sample
VialNumber	2403
Dilution	1
Comment	117485 6020
Operator	LMT
ISTDRefDataFileName	055CALB.D
SamplePassFail	Pass
ISTD PassFail	Pass

QC Analyte Table

Element	m/z	ISTD	Tune Step	Meas Value	FinalConc	%RSD	Units	CPS	CPS %RSD	High Value	QC Flag
Be	9	6	1	0.33	0.33	36.47	ppb	148.34	37.28	3600	
Na	23	45	2	7759.71	7759.71	1.44	ppb	1780557.58	0.50	1800000	
Mg	24	45	2	886.62	886.62	1.71	ppb	81983.59	0.83	450000	
Al	27	45	2	126.23	126.23	18.44	ppb	2173.63	17.23	450000	
K	39	45	2	1494.47	1494.47	2.00	ppb	59840.01	1.48	180000	
Ca	44	45	2	1475.09	1475.09	3.07	ppb	3394.00	2.46	450000	
V	51	72	2	0.16	0.16	127.89	ppb	219.06	110.29	3600	
Cr	52	72	2	0.30	0.30	6.56	ppb	680.07	5.09	3600	
Mn	55	72	2	5.72	5.72	7.20	ppb	3287.27	7.05	3600	
Fe	57	72	2	197.56	197.56	6.10	ppb	7082.01	5.95	90000	
Co	59	72	2	2.12	2.12	6.63	ppb	7715.66	6.57	3600	
Ni	60	72	2	2.48	2.48	9.37	ppb	2853.82	8.88	3600	
Cu	63	72	2	0.77	0.77	9.90	ppb	4060.81	6.06	3600	
Zn	66	72	2	4.79	4.79	7.28	ppb	1573.55	6.52	3600	
As	75	72	2	0.62	0.62	52.15	ppb	116.67	42.28	3600	
Se	78	72	1	0.02	0.02	44.68	ppb	32.00	21.65	3600	
Nb	93	72	2	0.06	0.06	72.38	ppb	760.08	24.12	7200	
Mo	95	115	2	0.03	0.03	150.11	ppb	53.34	94.37	3600	
Pd	105	115	2	-0.01	-0.01	-43.90	ppb	6.67	173.21	3600	
Ag	107	115	2	0.00	0.00	9741.57	ppb	26.67	114.57	900	
Cd	111	115	2	0.00	0.00	10656.02	ppb	20.00	100.00	3600	
Sn	120	115	2	0.04	0.04	379.46	ppb	293.36	54.69	3600	
Sb	121	115	2	-0.03	-0.03	-118.18	ppb	73.34	41.66	3600	
Ba	137	115	2	48.20	48.20	7.66	ppb	12672.47	7.53	3600	
W	182	165	2	-0.01	-0.01	-305.44	ppb	1153.48	19.95	3600	
Pt	195	165	2	-0.01	-0.01	-87.58	ppb	46.67	89.21	3600	
Tl	205	165	2	0.10	0.10	17.64	ppb	1233.50	16.88	3600	
Pb	208	165	2	2.17	2.17	4.02	ppb	31882.38	3.26	3600	
Th	232	165	2	0.20	0.20	12.56	ppb	3420.77	11.11	3600	
U	238	165	2	0.09	0.09	21.16	ppb	1566.91	20.36	3600	

QC ISTD Table

Element	m/z	Tune Step	CPS	%RSD	Ref CPS	%Rec	Lower Limit	Upper Limit	QC Flag
Li6	6	1	1389890	2.28	1581655	87.9	60	125	
Sc (IS)	45	2	942870	0.99	982823	95.9	60	125	
Ge (IS)	72	1	20801407	0.41	23777395	87.5	60	125	
Ge (IS)	72	2	1328714	0.08	1399839	94.9	60	125	
115In	115	2	3960328	0.20	3996161	99.1	60	125	
Ho-165	165	2	24874841	1.17	24640411	101.0	60	125	

TuneStep	TuneFile	TuneDate
1	h2_hmi.u	5/2/2012 2:51:00 PM
2	he_hmi.u	5/2/2012 2:51:00 PM

Sample Report

Sample Name	280-28283-A-11-B
Data File Name	068SMPL.D
DataPath	d:\DATA\050212.B
Acq Date Time	2012-05-02T14:55:25-06:00
Type	Sample
VialNumber	2404
Dilution	1
Comment	117485 6020
Operator	LMT
ISTDRefDataFileName	055CALB.D
SamplePassFail	Pass
ISTD PassFail	Pass

QC Analyte Table

Element	m/z	ISTD	Tune Step	Meas Value	FinalConc	%RSD	Units	CPS	CPS %RSD	High Value	QC Flag
Be	9	6	1	0.05	0.05	80.04	ppb	26.67	65.85	3600	
Na	23	45	2	6442.75	6442.75	0.93	ppb	1442015.24	0.15	1800000	
Mg	24	45	2	528.75	528.75	2.88	ppb	47670.70	2.88	450000	
Al	27	45	2	30.97	30.97	25.88	ppb	533.39	24.97	450000	
K	39	45	2	1521.76	1521.76	2.86	ppb	59251.58	3.05	180000	
Ca	44	45	2	1477.65	1477.65	5.65	ppb	3307.25	5.14	450000	
V	51	72	2	0.13	0.13	312.60	ppb	187.22	262.55	3600	
Cr	52	72	2	1.59	1.59	2.30	ppb	2893.81	2.62	3600	
Mn	55	72	2	1.36	1.36	13.33	ppb	820.08	12.67	3600	
Fe	57	72	2	36.09	36.09	20.58	ppb	1373.53	18.33	90000	
Co	59	72	2	0.11	0.11	41.43	ppb	400.04	39.05	3600	
Ni	60	72	2	0.18	0.18	112.01	ppb	353.39	58.92	3600	
Cu	63	72	2	0.44	0.44	3.80	ppb	2967.17	2.06	3600	
Zn	66	72	2	1.18	1.18	43.93	ppb	506.73	29.10	3600	
As	75	72	2	0.55	0.55	35.78	ppb	103.34	27.94	3600	
Se	78	72	1	0.25	0.25	34.23	ppb	165.34	30.83	3600	
Nb	93	72	2	0.04	0.04	85.54	ppb	680.08	22.97	7200	
Mo	95	115	2	0.04	0.04	108.19	ppb	66.67	75.50	3600	
Pd	105	115	2	-0.01	-0.01	-118.70	ppb	13.33	173.21	3600	
Ag	107	115	2	0.00	0.00	423.69	ppb	33.34	91.66	900	
Cd	111	115	2	0.16	0.16	96.92	ppb	106.67	78.07	3600	
Sn	120	115	2	0.08	0.08	51.58	ppb	346.71	13.32	3600	
Sb	121	115	2	-0.07	-0.07	-88.86	ppb	40.00	132.29	3600	
Ba	137	115	2	30.70	30.70	7.23	ppb	8022.59	8.43	3600	
W	182	165	2	0.01	0.01	105.72	ppb	1313.50	7.51	3600	
Pt	195	165	2	0.00	0.00	-1086.14	ppb	86.68	96.08	3600	
Tl	205	165	2	0.02	0.02	40.75	ppb	400.04	27.84	3600	
Pb	208	165	2	0.08	0.08	25.02	ppb	2346.98	12.56	3600	
Th	232	165	2	0.05	0.05	31.62	ppb	1326.84	15.69	3600	
U	238	165	2	0.15	0.15	5.79	ppb	2567.16	5.53	3600	

QC ISTD Table

Element	m/z	Tune Step	CPS	%RSD	Ref CPS	%Rec	Lower Limit	Upper Limit	QC Flag
Li6	6	1	1333364	1.17	1581655	84.3	60	125	
Sc (IS)	45	2	917232	0.76	982823	93.3	60	125	
Ge (IS)	72	1	19560703	0.40	23777395	82.3	60	125	
Ge (IS)	72	2	1301704	0.43	1399839	93.0	60	125	
115In	115	2	3927128	1.25	3996161	98.3	60	125	
Ho-165	165	2	24770259	0.05	24640411	100.5	60	125	

TuneStep	TuneFile	TuneDate
1	h2_hmi.u	5/2/2012 2:54:00 PM
2	he_hmi.u	5/2/2012 2:54:00 PM

Continuing Calibration Verification (CCV) - US EPA Method 6020

Sample Name	ccv-1394868
Data File Name	0696CCV.D
DataPath	d:\DATA\050212.B
Acq Date Time	2012-05-02T14:58:25-06:00
Type	6-CCV
VialNumber	1107
Dilution	1
Comment	
Operator	LMT
ISTDRefDataFileName	055CALB.D
SamplePassFail	Pass
ISTD PassFail	Pass

QC Analyte Table

Element	m/z	ISTD	Tune Step	Meas Value	%RSD	Units	CPS	CPS%RSD	Exp Value	%Rec	QC Low	QC High	QC Flag
Be	9	6	1	50.55	1.84	ppb	21066.85	2.10	50	101.1	90	110	
Na	23	45	2	4917.15	0.94	ppb	1083609.46	1.03	5000	98.3	90	110	
Mg	24	45	2	4996.88	2.20	ppb	439287.62	1.71	5000	99.9	90	110	
Al	27	45	2	4955.30	0.82	ppb	80744.55	1.56	5000	99.1	90	110	
K	39	45	2	4929.17	0.97	ppb	184251.91	0.77	5000	98.6	90	110	
Ca	44	45	2	4554.30	8.30	ppb	9936.88	7.86	5000	91.1	90	110	
V	51	72	2	51.21	2.98	ppb	58754.19	2.55	50	102.4	90	110	
Cr	52	72	2	51.13	2.87	ppb	86675.92	2.99	50	102.3	90	110	
Mn	55	72	2	51.48	7.87	ppb	27876.35	7.58	50	103.0	90	110	
Fe	57	72	2	4982.73	0.86	ppb	168468.52	1.43	5000	99.7	90	110	
Co	59	72	2	51.77	2.35	ppb	180066.86	2.36	50	103.5	90	110	
Ni	60	72	2	51.55	2.79	ppb	53775.80	3.38	50	103.1	90	110	
Cu	63	72	2	52.76	0.83	ppb	163642.01	1.01	50	105.5	90	110	
Zn	66	72	2	52.02	2.77	ppb	14793.99	3.13	50	104.0	90	110	
As	75	72	2	49.50	1.80	ppb	7225.08	1.61	50	99.0	90	110	
Se	78	72	1	54.53	0.17	ppb	33627.58	0.38	50	109.1	90	110	
Nb	93	72	2	102.83	1.61	ppb	416381.15	1.12	100	102.8	90	110	
Mo	95	115	2	53.06	1.13	ppb	64554.89	1.70	50	106.1	90	110	
Pd	105	115	2	51.75	2.42	ppb	121967.89	2.48	50	103.5	90	110	
Ag	107	115	2	52.74	0.41	ppb	274276.85	0.95	50	105.5	90	110	
Cd	111	115	2	49.50	3.50	ppb	26308.43	2.83	50	99.0	90	110	
Sn	120	115	2	53.06	0.88	ppb	60349.54	2.05	50	106.1	90	110	
Sb	121	115	2	50.90	2.50	ppb	39480.79	2.43	50	101.8	90	110	
Ba	137	115	2	52.65	4.01	ppb	13232.91	4.74	50	105.3	90	110	
W	182	165	2	51.81	0.62	ppb	369297.94	0.11	50	103.6	90	110	
Pt	195	165	2	51.98	0.51	ppb	331939.32	0.79	50	104.0	90	110	
Tl	205	165	2	52.58	0.25	ppb	575578.82	0.68	50	105.2	90	110	
Pb	208	165	2	52.09	0.65	ppb	725644.33	0.27	50	104.2	90	110	
Th	232	165	2	51.36	0.37	ppb	693953.66	0.51	50	102.7	90	110	
U	238	165	2	52.35	0.78	ppb	867792.54	0.71	50	104.7	90	110	

QC ISTD Table

Element	m/z	Tune Step	CPS	%RSD	Ref CPS	%Rec	QC Low	QC High	QC Flag
Li6	6	1	1346471	0.45	1581655	85.1	60	125	
Sc (IS)	45	2	898768	0.74	982823	91.4	60	125	
Ge (IS)	72	1	19755901	0.55	23777395	83.1	60	125	
Ge (IS)	72	2	1276141	0.61	1399839	91.2	60	125	
115In	115	2	3785590	1.24	3996161	94.7	60	125	
Ho-165	165	2	24495001	0.51	24640411	99.4	60	125	

TuneStep	TuneFile
1	h2_hmi.u
2	he_hmi.u

Continuing Calibration Blank (CCB) - US EPA Method 6020

Sample Name	ccb-1394903
Data File Name	0706CCB.D
DataPath	d:\DATA\050212.B
Acq Date Time	2012-05-02T15:01:24-06:00
Type	6-CCB
VialNumber	1307
Dilution	1
Comment	
Operator	LMT
ISTDRefDataFileName	055CALB.D
SamplePassFail	Pass
ISTD PassFail	Pass

QC Analyte Table

Element	m/z	ISTD	Tune Step	Meas Value	%RSD	Units	CPS	CPS %RSD	QC High	QC Flag
Be	9	6	1	0.03	130.67	ppb	16.67	96.44	1	
Na	23	45	2	-36.49	-4.45	ppb	13479.09	3.07	20	
Mg	24	45	2	-0.26	-458.52	ppb	220.02	45.45	20	
Al	27	45	2	-0.69	-107.13	ppb	6.67	173.21	20	
K	39	45	2	-10.28	-116.94	ppb	1266.81	33.13	20	
Ca	44	45	2	1.47	378.43	ppb	26.67	43.30	20	
V	51	72	2	0.02	6.00	ppb	55.32	2.45	1	
Cr	52	72	2	0.00	-3510.14	ppb	133.35	95.26	1	
Mn	55	72	2	-0.09	-44.63	ppb	20.00	100.00	1	
Fe	57	72	2	3.49	30.81	ppb	240.02	14.43	20	
Co	59	72	2	0.01	97.05	ppb	60.00	57.74	1	
Ni	60	72	2	0.12	122.20	ppb	280.05	51.51	1	
Cu	63	72	2	0.10	71.20	ppb	1806.93	11.73	1	
Zn	66	72	2	0.24	63.58	ppb	226.69	18.37	5	
As	75	72	2	0.09	120.47	ppb	33.33	45.83	5	
Se	78	72	1	0.03	99.96	ppb	33.33	54.11	5	
Nb	93	72	2	0.67	5.98	ppb	3120.51	5.77	5	
Mo	95	115	2	0.06	67.89	ppb	93.34	53.93	1	
Pd	105	115	2	0.04	13.38	ppb	113.34	10.19	1	
Ag	107	115	2	0.01	68.00	ppb	86.67	48.04	1	
Cd	111	115	2	-0.01	-417.84	ppb	13.33	173.21	1	
Sn	120	115	2	0.03	81.28	ppb	273.36	11.18	5	
Sb	121	115	2	0.04	123.51	ppb	126.68	32.87	0.2	
Ba	137	115	2	-0.02	-511.85	ppb	26.67	86.60	1	
W	182	165	2	0.04	54.09	ppb	1493.53	10.74	1	
Pt	195	165	2	0.00	434.78	ppb	100.01	34.64	1	
Tl	205	165	2	0.01	17.92	ppb	273.37	8.45	1	
Pb	208	165	2	0.01	34.85	ppb	1340.14	3.95	1	
Th	232	165	2	0.08	11.15	ppb	1693.59	6.06	1	
U	238	165	2	0.02	42.44	ppb	393.37	32.29	1	

QC ISTD Table

Element	m/z	Tune Step	CPS	%RSD	Ref CPS	%Rec	QC Low	QC High	QC Flag
Li6	6	1	1312803	3.77	1581655	83.0	60	125	
Sc (IS)	45	2	867624	0.99	982823	88.3	60	125	
Ge (IS)	72	1	19359371	1.30	23777395	81.4	60	125	
Ge (IS)	72	2	1246947	0.91	1399839	89.1	60	125	
115In	115	2	3726301	0.93	3996161	93.2	60	125	
Ho-165	165	2	24147204	1.34	24640411	98.0	60	125	

TuneStep	TuneFile
1	h2_hmi.u
2	he_hmi.u

Sample Report

Sample Name	280-28286-B-1-B
Data File Name	071SMPL.D
DataPath	d:\DATA\050212.B
Acq Date Time	2012-05-02T15:04:20-06:00
Type	Sample
VialNumber	2405
Dilution	1
Comment	117485 6020
Operator	LMT
ISTDRefDataFileName	055CALB.D
SamplePassFail	Fail
ISTD PassFail	Pass

QC Analyte Table

Element	m/z	ISTD	Tune Step	Meas Value	FinalConc	%RSD	Units	CPS	CPS%RSD	High Value	QC Flag
Be	9	6	1	0.02	0.02	54.16	ppb	8.33	34.64	3600	
Na	23	45	2	3165428.07	3165428.07	0.90	ppb	600952337.71	3.16	1800000	Sample Main Failed
Mg	24	45	2	95091.53	95091.53	0.84	ppb	7346708.23	3.43	450000	
Al	27	45	2	40.43	40.43	22.59	ppb	593.39	20.60	450000	
K	39	45	2	13368.15	13368.15	1.30	ppb	436794.53	3.43	180000	
Ca	44	45	2	252764.01	252764.01	0.39	ppb	483811.05	3.18	450000	
V	51	72	2	0.38	0.38	32.32	ppb	334.07	32.68	3600	
Cr	52	72	2	0.20	0.20	47.88	ppb	340.03	31.13	3600	
Mn	55	72	2	278.36	278.36	2.51	ppb	106922.92	1.93	3600	
Fe	57	72	2	1362.41	1362.41	2.04	ppb	32818.63	4.64	90000	
Co	59	72	2	3.02	3.02	7.14	ppb	7502.21	9.65	3600	
Ni	60	72	2	5.06	5.06	3.98	ppb	3854.12	1.08	3600	
Cu	63	72	2	2.50	2.50	7.51	ppb	6541.75	3.83	3600	
Zn	66	72	2	2.61	2.61	27.50	ppb	640.07	24.81	3600	
As	75	72	2	2.53	2.53	7.93	ppb	276.68	5.52	3600	
Se	78	72	1	0.41	0.41	38.22	ppb	141.34	35.95	3600	
Nb	93	72	2	0.47	0.47	19.63	ppb	1713.56	18.17	7200	
Mo	95	115	2	1.67	1.67	21.79	ppb	1420.20	23.53	3600	
Pd	105	115	2	0.07	0.07	31.32	ppb	140.01	24.74	3600	
Ag	107	115	2	0.01	0.01	124.39	ppb	66.67	91.65	900	
Cd	111	115	2	0.11	0.11	114.73	ppb	53.34	86.60	3600	
Sn	120	115	2	0.06	0.06	12.41	ppb	213.36	5.41	3600	
Sb	121	115	2	0.51	0.51	16.41	ppb	340.04	15.57	3600	
Ba	137	115	2	42.64	42.64	6.58	ppb	7415.61	9.04	3600	
W	182	165	2	0.02	0.02	244.83	ppb	846.77	19.67	3600	
Pt	195	165	2	-0.01	-0.01	-151.89	ppb	33.34	124.90	3600	
Tl	205	165	2	0.00	0.00	-528.25	ppb	73.34	56.77	3600	
Pb	208	165	2	0.08	0.08	22.44	ppb	1493.51	12.15	3600	
Th	232	165	2	0.43	0.43	17.87	ppb	4134.29	17.04	3600	
U	238	165	2	6.53	6.53	3.86	ppb	69824.93	3.40	3600	

QC ISTD Table

Element	m/z	Tune Step	CPS	%RSD	Ref CPS	%Rec	Lower Limit	Upper Limit	QC Flag
Li6	6	1	926050	0.58	1581655	58.5	60	125	IS Main Failed
Sc (IS)	45	2	790135	2.79	982823	80.4	60	125	
Ge (IS)	72	1	10414161	0.17	23777395	43.8	60	125	IS Main Failed
Ge (IS)	72	2	907091	2.74	1399839	64.8	60	125	
115In	115	2	2615940	2.87	3996161	65.5	60	125	
Ho-165	165	2	15785803	1.30	24640411	64.1	60	125	

TuneStep	TuneFile	TuneDate
1	h2_hmi.u	5/2/2012 3:03:00 PM
2	he_hmi.u	5/2/2012 3:03:00 PM

Sample Report

Sample Name	280-28286-B-2-B
Data File Name	072SMPL.D
DataPath	d:\DATA\050212.B
Acq Date Time	2012-05-02T15:07:21-06:00
Type	Sample
VialNumber	2406
Dilution	1
Comment	117485 6020
Operator	LMT
ISTDRefDataFileName	055CALB.D
SamplePassFail	Pass
ISTD PassFail	Pass

QC Analyte Table

Element	m/z	ISTD	Tune Step	Meas Value	FinalConc	%RSD	Units	CPS	CPS %RSD	High Value	QC Flag
Be	9	6	1	0.01	0.01	1.38	ppb	10.00	0.00	3600	
Na	23	45	2	556240.81	556240.81	0.57	ppb	132296751.36	1.68	1800000	
Mg	24	45	2	42605.16	42605.16	1.26	ppb	4122513.90	0.62	450000	
Al	27	45	2	125.51	125.51	7.26	ppb	2273.66	8.90	450000	
K	39	45	2	18830.27	18830.27	0.56	ppb	769884.86	1.50	180000	
Ca	44	45	2	221429.03	221429.03	1.88	ppb	530792.55	0.95	450000	
V	51	72	2	0.13	0.13	34.08	ppb	173.45	28.49	3600	
Cr	52	72	2	0.32	0.32	3.69	ppb	666.74	3.47	3600	
Mn	55	72	2	845.78	845.78	2.46	ppb	443529.85	2.08	3600	
Fe	57	72	2	461.61	461.61	4.16	ppb	15261.27	4.88	90000	
Co	59	72	2	1.76	1.76	4.35	ppb	5954.86	5.10	3600	
Ni	60	72	2	9.04	9.04	4.36	ppb	9283.17	4.74	3600	
Cu	63	72	2	1.34	1.34	10.52	ppb	5494.68	8.35	3600	
Zn	66	72	2	6.20	6.20	17.54	ppb	1853.59	16.59	3600	
As	75	72	2	1.51	1.51	10.44	ppb	233.34	8.92	3600	
Se	78	72	1	0.28	0.28	19.02	ppb	169.34	17.09	3600	
Nb	93	72	2	0.13	0.13	41.13	ppb	993.46	20.96	7200	
Mo	95	115	2	1.87	1.87	4.64	ppb	2107.03	4.78	3600	
Pd	105	115	2	0.05	0.05	47.48	ppb	126.68	36.46	3600	
Ag	107	115	2	0.01	0.01	76.17	ppb	53.34	43.31	900	
Cd	111	115	2	0.07	0.07	64.55	ppb	53.34	43.31	3600	
Sn	120	115	2	0.02	0.02	376.78	ppb	240.02	30.05	3600	
Sb	121	115	2	0.14	0.14	90.45	ppb	186.69	48.32	3600	
Ba	137	115	2	191.24	191.24	2.28	ppb	44133.85	2.36	3600	
W	182	165	2	0.00	0.00	1964.92	ppb	1086.81	22.19	3600	
Pt	195	165	2	-0.01	-0.01	-93.43	ppb	40.00	100.00	3600	
Tl	205	165	2	0.01	0.01	92.60	ppb	233.36	47.21	3600	
Pb	208	165	2	0.30	0.30	16.12	ppb	4747.37	11.44	3600	
Th	232	165	2	0.07	0.07	58.85	ppb	1406.85	34.08	3600	
U	238	165	2	1.31	1.31	5.27	ppb	19407.11	4.92	3600	

QC ISTD Table

Element	m/z	Tune Step	CPS	%RSD	Ref CPS	%Rec	Lower Limit	Upper Limit	QC Flag
Li6	6	1	1449580	0.72	1581655	91.6	60	125	
Sc (IS)	45	2	989793	1.79	982823	100.7	60	125	
Ge (IS)	72	1	17811988	0.47	23777395	74.9	60	125	
Ge (IS)	72	2	1238435	0.76	1399839	88.5	60	125	
115In	115	2	3482572	0.24	3996161	87.1	60	125	
Ho-165	165	2	21808155	1.44	24640411	88.5	60	125	

TuneStep	TuneFile	TuneDate
1	h2_hmi.u	5/2/2012 3:06:00 PM
2	he_hmi.u	5/2/2012 3:06:00 PM

Sample Report

Sample Name	280-28286-B-3-B
Data File Name	073SMPL.D
DataPath	d:\DATA\050212.B
Acq Date Time	2012-05-02T15:10:19-06:00
Type	Sample
VialNumber	2407
Dilution	1
Comment	117485 6020
Operator	LMT
ISTDRefDataFileName	055CALB.D
SamplePassFail	Fail
ISTD PassFail	Pass

QC Analyte Table

Element	m/z	ISTD	Tune Step	Meas Value	FinalConc	%RSD	Units	CPS	CPS%RSD	High Value	QC Flag
Be	9	6	1	0.02	0.02	39.66	ppb	11.67	24.74	3600	
Na	23	45	2	1878665.61	1878665.61	7.02	ppb	445756860.03	1.97	1800000	Sample Main Failed
Mg	24	45	2	50003.50	50003.50	8.65	ppb	4825396.70	3.60	450000	
Al	27	45	2	62.28	62.28	11.42	ppb	1133.49	6.68	450000	
K	39	45	2	11275.67	11275.67	6.27	ppb	460844.04	1.17	180000	
Ca	44	45	2	187528.79	187528.79	8.51	ppb	448413.34	3.74	450000	
V	51	72	2	1.04	1.04	11.15	ppb	1085.30	6.58	3600	
Cr	52	72	2	0.31	0.31	41.22	ppb	586.73	29.79	3600	
Mn	55	72	2	187.86	187.86	8.61	ppb	90054.71	4.47	3600	
Fe	57	72	2	857.90	857.90	5.41	ppb	25833.56	1.77	90000	
Co	59	72	2	0.53	0.53	11.43	ppb	1653.55	7.39	3600	
Ni	60	72	2	3.03	3.03	15.91	ppb	2933.83	11.02	3600	
Cu	63	72	2	1.89	1.89	12.59	ppb	6501.72	5.62	3600	
Zn	66	72	2	23.27	23.27	10.10	ppb	5948.19	6.99	3600	
As	75	72	2	0.86	0.86	40.96	ppb	130.01	33.53	3600	
Se	78	72	1	0.38	0.38	33.57	ppb	182.67	30.69	3600	
Nb	93	72	2	0.21	0.21	23.84	ppb	1166.81	11.41	7200	
Mo	95	115	2	1.16	1.16	16.84	ppb	1173.49	19.61	3600	
Pd	105	115	2	0.05	0.05	44.30	ppb	126.68	39.74	3600	
Ag	107	115	2	0.00	0.00	-195.96	ppb	20.00	0.00	900	
Cd	111	115	2	0.04	0.04	173.65	ppb	33.33	91.65	3600	
Sn	120	115	2	0.05	0.05	231.75	ppb	246.69	49.54	3600	
Sb	121	115	2	0.28	0.28	25.22	ppb	253.36	19.87	3600	
Ba	137	115	2	804.81	804.81	7.47	ppb	164866.54	2.03	3600	
W	182	165	2	0.11	0.11	36.10	ppb	1486.88	16.16	3600	
Pt	195	165	2	0.00	0.00	-196.05	ppb	46.67	98.98	3600	
Tl	205	165	2	0.01	0.01	17.54	ppb	160.02	12.50	3600	
Pb	208	165	2	0.59	0.59	5.12	ppb	7068.01	7.20	3600	
Th	232	165	2	0.06	0.06	7.78	ppb	1066.80	9.62	3600	
U	238	165	2	0.31	0.31	14.29	ppb	3994.24	10.79	3600	

QC ISTD Table

Element	m/z	Tune Step	CPS	%RSD	Ref CPS	%Rec	Lower Limit	Upper Limit	QC Flag
Li6	6	1	1303368	0.70	1581655	82.4	60	125	
Sc (IS)	45	2	989915	5.20	982823	100.7	60	125	
Ge (IS)	72	1	14462460	0.84	23777395	60.8	60	125	
Ge (IS)	72	2	1134254	4.59	1399839	81.0	60	125	
115In	115	2	3101770	5.92	3996161	77.6	60	125	
Ho-165	165	2	18540853	5.52	24640411	75.2	60	125	

TuneStep	TuneFile	TuneDate
1	h2_hmi.u	5/2/2012 3:09:00 PM
2	he_hmi.u	5/2/2012 3:09:00 PM

Sample Report

Sample Name	280-28286-B-4-B
Data File Name	074SMPL.D
DataPath	d:\DATA\050212.B
Acq Date Time	2012-05-02T15:13:20-06:00
Type	Sample
VialNumber	2408
Dilution	1
Comment	117485 6020
Operator	LMT
ISTDRefDataFileName	055CALB.D
SamplePassFail	Fail
ISTD PassFail	Pass

QC Analyte Table

Element	m/z	ISTD	Tune Step	Meas Value	FinalConc	%RSD	Units	CPS	CPS%RSD	High Value	QC Flag
Be	9	6	1	0.04	0.04	19.65	ppb	18.33	15.75	3600	
Na	23	45	2	5367730.35	5367730.35	1.16	ppb	1197583768.82	3.02	1800000	Sample Main Failed
Mg	24	45	2	163894.23	163894.23	0.68	ppb	14878048.11	2.21	450000	
Al	27	45	2	87.72	87.72	7.06	ppb	1493.51	4.70	450000	
K	39	45	2	19791.78	19791.78	1.61	ppb	759244.26	3.92	180000	
Ca	44	45	2	397886.28	397886.28	0.81	ppb	894939.02	2.66	450000	
V	51	72	2	0.83	0.83	53.06	ppb	686.60	50.58	3600	
Cr	52	72	2	0.61	0.61	21.71	ppb	826.76	19.41	3600	
Mn	55	72	2	355.36	355.36	2.09	ppb	134954.10	2.88	3600	
Fe	57	72	2	512.19	512.19	5.06	ppb	12245.34	5.01	90000	
Co	59	72	2	1.40	1.40	9.07	ppb	3427.25	9.36	3600	
Ni	60	72	2	2.50	2.50	5.95	ppb	1940.28	4.73	3600	
Cu	63	72	2	5.72	5.72	4.53	ppb	13439.30	4.87	3600	
Zn	66	72	2	5.22	5.22	21.76	ppb	1146.80	20.37	3600	
As	75	72	2	0.18	0.18	136.95	ppb	33.33	75.50	3600	
Se	78	72	1	1.47	1.47	11.75	ppb	489.35	11.74	3600	
Nb	93	72	2	0.13	0.13	41.36	ppb	720.09	20.97	7200	
Mo	95	115	2	1.26	1.26	9.86	ppb	960.11	12.67	3600	
Pd	105	115	2	0.21	0.21	6.95	ppb	320.03	6.25	3600	
Ag	107	115	2	0.02	0.02	95.58	ppb	66.67	75.50	900	
Cd	111	115	2	0.19	0.19	51.42	ppb	73.34	41.66	3600	
Sn	120	115	2	0.06	0.06	177.66	ppb	193.35	41.81	3600	
Sb	121	115	2	0.39	0.39	28.39	ppb	246.69	20.41	3600	
Ba	137	115	2	285.61	285.61	3.82	ppb	44153.30	1.29	3600	
W	182	165	2	-0.01	-0.01	-438.46	ppb	620.08	17.96	3600	
Pt	195	165	2	-0.01	-0.01	-49.99	ppb	26.67	43.30	3600	
Tl	205	165	2	-0.01	-0.01	-34.00	ppb	33.33	34.64	3600	
Pb	208	165	2	0.23	0.23	7.35	ppb	2333.60	4.87	3600	
Th	232	165	2	0.05	0.05	66.45	ppb	746.76	35.37	3600	
U	238	165	2	0.77	0.77	3.29	ppb	6888.86	3.19	3600	

QC ISTD Table

Element	m/z	Tune Step	CPS	%RSD	Ref CPS	%Rec	Lower Limit	Upper Limit	QC Flag
Li6	6	1	1207707	1.01	1581655	76.4	60	125	
Sc (IS)	45	2	928534	2.32	982823	94.5	60	125	
Ge (IS)	72	1	10524488	0.40	23777395	44.3	60	125	IS Main Failed
Ge (IS)	72	2	896508	0.86	1399839	64.0	60	125	
115In	115	2	2335024	2.89	3996161	58.4	60	125	IS Main Failed
Ho-165	165	2	13085869	0.58	24640411	53.1	60	125	IS Main Failed

TuneStep	TuneFile	TuneDate
1	h2_hmi.u	5/2/2012 3:12:00 PM
2	he_hmi.u	5/2/2012 3:12:00 PM

Continuing Calibration Verification (CCV) - US EPA Method 6020

Sample Name	ccv-1394868
Data File Name	0756CCV.D
DataPath	d:\DATA\050212.B
Acq Date Time	2012-05-02T15:17:00-06:00
Type	6-CCV
VialNumber	1107
Dilution	1
Comment	
Operator	LMT
ISTDRefDataFileName	055CALB.D
SamplePassFail	Fail
ISTD PassFail	Pass

QC Analyte Table

Element	m/z	ISTD	Tune Step	Meas Value	%RSD	Units	CPS	CPS%RSD	Exp Value	%Rec	QC Low	QC High	QC Flag
Be	9	6	1	47.97	1.14	ppb	36247.90	0.41	50	95.9	90	110	
Na	23	45	2	6881.31	2.30	ppb	2264346.32	0.33	5000	137.6	90	110	6-CCV Main Failed
Mg	24	45	2	5284.87	1.91	ppb	697854.88	1.33	5000	105.7	90	110	
Al	27	45	2	5139.42	2.18	ppb	125764.37	0.54	5000	102.8	90	110	
K	39	45	2	5096.38	3.61	ppb	285966.32	1.52	5000	101.9	90	110	
Ca	44	45	2	4686.18	2.44	ppb	15367.74	4.52	5000	93.7	90	110	
V	51	72	2	56.52	1.48	ppb	89799.28	2.03	50	113.0	90	110	6-CCV Main Failed
Cr	52	72	2	53.82	0.62	ppb	126330.15	0.94	50	107.6	90	110	
Mn	55	72	2	54.23	3.02	ppb	40675.31	3.44	50	108.5	90	110	
Fe	57	72	2	5263.90	1.38	ppb	246429.74	1.27	5000	105.3	90	110	
Co	59	72	2	54.39	1.30	ppb	261946.26	0.71	50	108.8	90	110	
Ni	60	72	2	53.79	0.85	ppb	77676.04	0.97	50	107.6	90	110	
Cu	63	72	2	54.25	0.56	ppb	232949.13	0.92	50	108.5	90	110	
Zn	66	72	2	50.79	2.29	ppb	20006.23	2.65	50	101.6	90	110	
As	75	72	2	48.30	4.11	ppb	9763.08	3.70	50	96.6	90	110	
Se	78	72	1	53.93	0.91	ppb	51613.73	1.04	50	107.9	90	110	
Nb	93	72	2	96.59	0.61	ppb	541664.82	0.26	100	96.6	90	110	
Mo	95	115	2	55.50	1.39	ppb	81465.20	1.75	50	111.0	90	110	6-CCV Main Failed
Pd	105	115	2	54.43	0.88	ppb	154764.49	1.12	50	108.9	90	110	
Ag	107	115	2	55.26	1.30	ppb	346697.70	1.63	50	110.5	90	110	6-CCV Main Failed
Cd	111	115	2	51.87	3.20	ppb	33261.08	2.87	50	103.7	90	110	
Sn	120	115	2	52.64	2.40	ppb	72227.89	2.62	50	105.3	90	110	
Sb	121	115	2	50.23	2.05	ppb	47006.57	1.99	50	100.5	90	110	
Ba	137	115	2	51.79	0.83	ppb	15701.72	1.18	50	103.6	90	110	
W	182	165	2	51.36	1.32	ppb	397488.13	1.25	50	102.7	90	110	
Pt	195	165	2	53.22	1.18	ppb	368984.05	1.15	50	106.4	90	110	
Tl	205	165	2	50.68	0.48	ppb	602399.04	0.39	50	101.4	90	110	
Pb	208	165	2	49.93	0.25	ppb	755436.68	0.19	50	99.9	90	110	
Th	232	165	2	47.64	0.93	ppb	699061.19	0.99	50	95.3	90	110	
U	238	165	2	48.35	0.66	ppb	870336.96	0.62	50	96.7	90	110	

QC ISTD Table

Element	m/z	Tune Step	CPS	%RSD	Ref CPS	%Rec	QC Low	QC High	QC Flag
Li6	6	1	2441751	1.03	1581655	154.4	60	125	IS Main Failed
Sc (IS)	45	2	1350193	2.08	982823	137.4	60	125	IS Main Failed
Ge (IS)	72	1	30665040	0.49	23777395	129.0	60	125	IS Main Failed
Ge (IS)	72	2	1767146	0.60	1399839	126.2	60	125	IS Main Failed
115In	115	2	4566649	0.38	3996161	114.3	60	125	
Ho-165	165	2	26598166	0.16	24640411	107.9	60	125	

TuneStep	TuneFile
1	h2_hmi.u
2	he_hmi.u

Continuing Calibration Verification (CCV) - US EPA Method 6020

Sample Name	ccv-1394868
Data File Name	0766CCV.D
DataPath	d:\DATA\050212.B
Acq Date Time	2012-05-02T15:20:55-06:00
Type	6-CCV
VialNumber	1107
Dilution	1
Comment	
Operator	LMT
ISTDRefDataFileName	055CALB.D
SamplePassFail	Fail
ISTD PassFail	Pass

QC Analyte Table

Element	m/z	ISTD	Tune Step	Meas Value	%RSD	Units	CPS	CPS%RSD	Exp Value	%Rec	QC Low	QC High	QC Flag
Be	9	6	1	50.07	1.56	ppb	35942.48	0.93	50	100.1	90	110	
Na	23	45	2	5844.67	2.67	ppb	1931870.02	0.67	5000	116.9	90	110	6-CCV Main Failed
Mg	24	45	2	5170.75	1.42	ppb	684142.98	0.72	5000	103.4	90	110	
Al	27	45	2	5097.49	4.65	ppb	124997.00	4.54	5000	101.9	90	110	
K	39	45	2	5016.57	3.20	ppb	282100.49	1.26	5000	100.3	90	110	
Ca	44	45	2	4879.92	4.47	ppb	16021.77	3.64	5000	97.6	90	110	
V	51	72	2	54.03	2.50	ppb	84632.96	2.94	50	108.1	90	110	
Cr	52	72	2	54.28	2.11	ppb	125606.70	2.38	50	108.6	90	110	
Mn	55	72	2	55.28	1.85	ppb	40868.32	1.57	50	110.6	90	110	6-CCV Main Failed
Fe	57	72	2	5307.63	2.00	ppb	244975.70	2.46	5000	106.2	90	110	
Co	59	72	2	53.59	1.35	ppb	254452.70	0.73	50	107.2	90	110	
Ni	60	72	2	55.08	2.21	ppb	78404.95	1.80	50	110.2	90	110	6-CCV Main Failed
Cu	63	72	2	53.42	1.03	ppb	226148.98	0.39	50	106.8	90	110	
Zn	66	72	2	54.12	7.84	ppb	20994.12	7.10	50	108.2	90	110	
As	75	72	2	49.71	2.43	ppb	9906.44	3.01	50	99.4	90	110	
Se	78	72	1	53.39	0.30	ppb	50625.54	0.31	50	106.8	90	110	
Nb	93	72	2	98.65	1.57	ppb	545301.44	1.09	100	98.6	90	110	
Mo	95	115	2	53.38	1.44	ppb	79007.73	1.04	50	106.8	90	110	
Pd	105	115	2	54.55	0.99	ppb	156398.16	0.46	50	109.1	90	110	
Ag	107	115	2	54.70	0.36	ppb	346060.10	0.99	50	109.4	90	110	
Cd	111	115	2	52.04	3.18	ppb	33641.39	2.13	50	104.1	90	110	
Sn	120	115	2	52.85	1.54	ppb	73125.27	1.15	50	105.7	90	110	
Sb	121	115	2	51.07	1.93	ppb	48190.20	1.77	50	102.1	90	110	
Ba	137	115	2	52.15	3.41	ppb	15942.27	3.44	50	104.3	90	110	
W	182	165	2	50.95	1.09	ppb	398393.13	0.53	50	101.9	90	110	
Pt	195	165	2	52.21	1.88	ppb	365734.85	1.19	50	104.4	90	110	
Tl	205	165	2	50.01	1.64	ppb	600609.20	1.27	50	100.0	90	110	
Pb	208	165	2	49.71	0.96	ppb	759768.20	0.53	50	99.4	90	110	
Th	232	165	2	47.84	0.44	ppb	709298.43	0.66	50	95.7	90	110	
U	238	165	2	48.40	1.47	ppb	880253.71	1.80	50	96.8	90	110	

QC ISTD Table

Element	m/z	Tune Step	CPS	%RSD	Ref CPS	%Rec	QC Low	QC High	QC Flag
Li6	6	1	2319541	1.71	1581655	146.7	60	125	IS Main Failed
Sc (IS)	45	2	1352819	1.95	982823	137.6	60	125	IS Main Failed
Ge (IS)	72	1	30380200	0.42	23777395	127.8	60	125	IS Main Failed
Ge (IS)	72	2	1742126	0.63	1399839	124.5	60	125	
115In	115	2	4605086	1.34	3996161	115.2	60	125	
Ho-165	165	2	26874825	0.76	24640411	109.1	60	125	

TuneStep	TuneFile
1	h2_hmi.u
2	he_hmi.u

Continuing Calibration Verification (CCV) - US EPA Method 6020

Sample Name	ccv-1394868
Data File Name	0776CCV.D
DataPath	d:\DATA\050212.B
Acq Date Time	2012-05-02T15:23:53-06:00
Type	6-CCV
VialNumber	1107
Dilution	1
Comment	
Operator	LMT
ISTDRefDataFileName	055CALB.D
SamplePassFail	Fail
ISTD PassFail	Pass

QC Analyte Table

Element	m/z	ISTD	Tune Step	Meas Value	%RSD	Units	CPS	CPS%RSD	Exp Value	%Rec	QC Low	QC High	QC Flag
Be	9	6	1	49.63	0.60	ppb	34614.98	0.87	50	99.3	90	110	
Na	23	45	2	5613.22	3.44	ppb	1811731.90	1.21	5000	112.3	90	110	6-CCV Main Failed
Mg	24	45	2	5179.75	2.58	ppb	668742.33	1.18	5000	103.6	90	110	
Al	27	45	2	5116.65	1.53	ppb	122470.59	2.70	5000	102.3	90	110	
K	39	45	2	5039.66	3.07	ppb	276558.14	0.74	5000	100.8	90	110	
Ca	44	45	2	4577.83	2.62	ppb	14673.79	2.74	5000	91.6	90	110	
V	51	72	2	55.36	1.15	ppb	86276.44	0.98	50	110.7	90	110	6-CCV Main Failed
Cr	52	72	2	52.78	1.05	ppb	121538.32	1.25	50	105.6	90	110	
Mn	55	72	2	55.35	3.11	ppb	40722.29	3.37	50	110.7	90	110	6-CCV Main Failed
Fe	57	72	2	5179.79	0.30	ppb	237890.68	0.10	5000	103.6	90	110	
Co	59	72	2	53.50	0.43	ppb	252787.24	0.50	50	107.0	90	110	
Ni	60	72	2	53.44	1.48	ppb	75707.18	1.57	50	106.9	90	110	
Cu	63	72	2	51.99	0.94	ppb	219102.21	0.89	50	104.0	90	110	
Zn	66	72	2	52.08	1.92	ppb	20119.38	1.85	50	104.2	90	110	
As	75	72	2	49.41	5.94	ppb	9796.33	5.68	50	98.8	90	110	
Se	78	72	1	52.67	0.52	ppb	48755.16	0.55	50	105.3	90	110	
Nb	93	72	2	98.10	0.54	ppb	539654.90	0.27	100	98.1	90	110	
Mo	95	115	2	54.44	0.59	ppb	79897.90	0.87	50	108.9	90	110	
Pd	105	115	2	53.62	1.84	ppb	152449.50	2.08	50	107.2	90	110	
Ag	107	115	2	53.99	1.78	ppb	338628.85	1.01	50	108.0	90	110	
Cd	111	115	2	51.71	1.76	ppb	33153.76	1.17	50	103.4	90	110	
Sn	120	115	2	52.72	0.95	ppb	72328.02	0.67	50	105.4	90	110	
Sb	121	115	2	50.16	0.33	ppb	46940.29	0.88	50	100.3	90	110	
Ba	137	115	2	51.82	3.19	ppb	15708.63	3.49	50	103.6	90	110	
W	182	165	2	50.16	1.43	ppb	392672.18	2.36	50	100.3	90	110	
Pt	195	165	2	51.59	1.11	ppb	361728.88	0.10	50	103.2	90	110	
Tl	205	165	2	50.22	0.53	ppb	603656.53	0.99	50	100.4	90	110	
Pb	208	165	2	49.74	1.15	ppb	760940.86	0.46	50	99.5	90	110	
Th	232	165	2	48.47	1.15	ppb	719142.41	0.76	50	96.9	90	110	
U	238	165	2	47.91	0.55	ppb	872170.77	0.76	50	95.8	90	110	

QC ISTD Table

Element	m/z	Tune Step	CPS	%RSD	Ref CPS	%Rec	QC Low	QC High	QC Flag
Li6	6	1	2253387	0.71	1581655	142.5	60	125	IS Main Failed
Sc (IS)	45	2	1320413	2.79	982823	134.3	60	125	IS Main Failed
Ge (IS)	72	1	29658239	0.16	23777395	124.7	60	125	
Ge (IS)	72	2	1733566	0.27	1399839	123.8	60	125	
115In	115	2	4566089	0.77	3996161	114.3	60	125	
Ho-165	165	2	26899718	1.03	24640411	109.2	60	125	

TuneStep	TuneFile
1	h2_hmi.u
2	he_hmi.u

Continuing Calibration Blank (CCB) - US EPA Method 6020

Sample Name	ccb-1394903
Data File Name	0786CCB.D
DataPath	d:\DATA\050212.B
Acq Date Time	2012-05-02T15:26:53-06:00
Type	6-CCB
VialNumber	1307
Dilution	1
Comment	
Operator	LMT
ISTDRefDataFileName	055CALB.D
SamplePassFail	Fail
ISTD PassFail	Pass

QC Analyte Table

Element	m/z	ISTD	Tune Step	Meas Value	%RSD	Units	CPS	CPS %RSD	QC High	QC Flag
Be	9	6	1	0.01	61.15	ppb	16.67	34.64	1	
Na	23	45	2	297.77	4.73	ppb	122876.57	1.88	20	6-CCB Main Failed
Mg	24	45	2	3.55	67.79	ppb	806.77	39.54	20	
Al	27	45	2	1.22	184.23	ppb	53.34	94.37	20	
K	39	45	2	3.02	299.29	ppb	2587.05	20.90	20	
Ca	44	45	2	25.43	34.44	ppb	113.34	20.38	20	6-CCB Main Failed
V	51	72	2	-0.08	-115.08	ppb	-85.06	-166.59	1	
Cr	52	72	2	-0.02	-145.06	ppb	146.68	41.66	1	
Mn	55	72	2	0.11	94.91	ppb	173.35	46.63	1	
Fe	57	72	2	1.32	150.60	ppb	233.36	40.51	20	
Co	59	72	2	0.00	477.43	ppb	40.00	86.61	1	
Ni	60	72	2	0.03	218.70	ppb	266.69	37.75	1	
Cu	63	72	2	0.08	52.86	ppb	2420.39	8.75	1	
Zn	66	72	2	0.10	52.37	ppb	260.02	7.69	5	
As	75	72	2	0.01	786.16	ppb	30.00	33.33	5	
Se	78	72	1	0.05	57.87	ppb	65.33	37.41	5	
Nb	93	72	2	0.74	8.18	ppb	4707.71	5.95	5	
Mo	95	115	2	0.09	43.45	ppb	160.02	37.50	1	
Pd	105	115	2	0.04	28.51	ppb	146.68	20.83	1	
Ag	107	115	2	0.02	47.70	ppb	180.02	40.06	1	
Cd	111	115	2	0.05	199.65	ppb	53.34	114.57	1	
Sn	120	115	2	0.04	251.05	ppb	346.71	43.30	5	
Sb	121	115	2	0.12	65.94	ppb	226.69	33.41	0.2	
Ba	137	115	2	-0.13	0.00	ppb	0.00	#DIV/0!	1	
W	182	165	2	0.03	92.73	ppb	1506.90	12.33	1	
Pt	195	165	2	0.00	580.86	ppb	106.68	28.64	1	
Tl	205	165	2	0.03	34.44	ppb	440.05	24.05	1	
Pb	208	165	2	0.02	26.67	ppb	1533.52	4.58	1	
Th	232	165	2	0.07	27.90	ppb	1786.94	16.84	1	
U	238	165	2	0.02	17.38	ppb	520.07	13.32	1	

QC ISTD Table

Element	m/z	Tune Step	CPS	%RSD	Ref CPS	%Rec	QC Low	QC High	QC Flag
Li6	6	1	2194480	0.18	1581655	138.7	60	125	IS Main Failed
Sc (IS)	45	2	1282882	3.18	982823	130.5	60	125	IS Main Failed
Ge (IS)	72	1	28955067	0.64	23777395	121.8	60	125	
Ge (IS)	72	2	1721970	1.39	1399839	123.0	60	125	
115In	115	2	4525611	1.08	3996161	113.2	60	125	
Ho-165	165	2	26620772	0.63	24640411	108.0	60	125	

TuneStep	TuneFile
1	h2_hmi.u
2	he_hmi.u

Sample Report

Sample Name	rinse
Data File Name	079SMPL.D
DataPath	d:\DATA\050212.B
Acq Date Time	2012-05-02T15:29:52-06:00
Type	Sample
VialNumber	3
Dilution	1
Comment	
Operator	LMT
ISTDRefDataFileName	055CALB.D
SamplePassFail	Fail
ISTD PassFail	Pass

QC Analyte Table

Element	m/z	ISTD	Tune Step	Meas Value	FinalConc	%RSD	Units	CPS	CPS%RSD	High Value	QC Flag
Be	9	6	1	0.00	0.00	-262.62	ppb	5.00	100.00	3600	
Na	23	45	2	204.01	204.01	1.67	ppb	93556.79	0.52	1800000	
Mg	24	45	2	2.16	2.16	57.17	ppb	626.74	25.80	450000	
Al	27	45	2	0.04	0.04	1354.58	ppb	26.67	43.30	450000	
K	39	45	2	-3.92	-3.92	-54.26	ppb	2200.30	4.55	180000	
Ca	44	45	2	-2.51	-2.51	-600.58	ppb	26.67	173.21	450000	
V	51	72	2	0.01	0.01	173.56	ppb	49.84	39.74	3600	
Cr	52	72	2	0.00	0.00	1861.07	ppb	193.35	74.84	3600	
Mn	55	72	2	0.32	0.32	40.24	ppb	320.03	28.64	3600	
Fe	57	72	2	1.12	1.12	160.34	ppb	220.02	36.36	90000	
Co	59	72	2	0.00	0.00	1171.87	ppb	33.33	34.64	3600	
Ni	60	72	2	-0.04	-0.04	-67.61	ppb	160.02	25.00	3600	
Cu	63	72	2	0.12	0.12	21.95	ppb	2547.07	4.33	3600	
Zn	66	72	2	0.49	0.49	69.11	ppb	400.04	31.22	3600	
As	75	72	2	0.04	0.04	454.28	ppb	36.67	103.25	3600	
Se	78	72	1	0.03	0.03	149.97	ppb	46.67	77.78	3600	
Nb	93	72	2	0.21	0.21	16.78	ppb	1780.25	10.72	7200	
Mo	95	115	2	0.03	0.03	43.19	ppb	73.34	31.49	3600	
Pd	105	115	2	0.02	0.02	115.18	ppb	93.34	68.88	3600	
Ag	107	115	2	0.02	0.02	92.05	ppb	133.35	69.28	900	
Cd	111	115	2	0.03	0.03	198.90	ppb	40.00	86.61	3600	
Sn	120	115	2	0.01	0.01	566.16	ppb	300.03	24.04	3600	
Sb	121	115	2	-0.04	-0.04	-98.27	ppb	73.34	56.78	3600	
Ba	137	115	2	0.05	0.05	78.55	ppb	53.34	21.66	3600	
W	182	165	2	0.02	0.02	89.05	ppb	1446.86	7.10	3600	
Pt	195	165	2	0.01	0.01	122.11	ppb	160.02	43.31	3600	
Tl	205	165	2	0.01	0.01	40.21	ppb	300.03	23.09	3600	
Pb	208	165	2	0.00	0.00	-202.42	ppb	1246.81	3.70	3600	
Th	232	165	2	-0.02	-0.02	-39.75	ppb	413.39	29.17	3600	
U	238	165	2	0.01	0.01	2.55	ppb	240.03	0.00	3600	

QC ISTD Table

Element	m/z	Tune Step	CPS	%RSD	Ref CPS	%Rec	Lower Limit	Upper Limit	QC Flag
Li6	6	1	2112685	1.60	1581655	133.6	60	125	IS Main Failed
Sc (IS)	45	2	1276194	1.29	982823	129.8	60	125	IS Main Failed
Ge (IS)	72	1	28477265	0.93	23777395	119.8	60	125	
Ge (IS)	72	2	1696491	0.51	1399839	121.2	60	125	
115In	115	2	4532569	2.08	3996161	113.4	60	125	
Ho-165	165	2	26921003	1.33	24640411	109.3	60	125	

TuneStep	TuneFile	TuneDate
1	h2_hmi.u	5/2/2012 3:28:00 PM
2	he_hmi.u	5/2/2012 3:28:00 PM

Sample Report

Sample Name	rinse
Data File Name	080SMPL.D
DataPath	d:\DATA\050212.B
Acq Date Time	2012-05-02T15:32:50-06:00
Type	Sample
VialNumber	3
Dilution	1
Comment	
Operator	LMT
ISTDRefDataFileName	055CALB.D
SamplePassFail	Fail
ISTD PassFail	Pass

QC Analyte Table

Element	m/z	ISTD	Tune Step	Meas Value	FinalConc	%RSD	Units	CPS	CPS%RSD	High Value	QC Flag
Be	9	6	1	0.02	0.02	87.93	ppb	18.33	56.77	3600	
Na	23	45	2	138.56	138.56	6.16	ppb	71392.08	1.12	1800000	
Mg	24	45	2	0.33	0.33	183.63	ppb	386.71	20.91	450000	
Al	27	45	2	-0.25	-0.25	-610.08	ppb	20.00	173.21	450000	
K	39	45	2	-2.82	-2.82	-124.35	ppb	2193.66	7.31	180000	
Ca	44	45	2	2.30	2.30	525.96	ppb	40.00	86.60	450000	
V	51	72	2	0.02	0.02	417.28	ppb	62.89	159.01	3600	
Cr	52	72	2	-0.04	-0.04	-24.46	ppb	93.34	24.74	3600	
Mn	55	72	2	0.18	0.18	58.92	ppb	213.35	35.50	3600	
Fe	57	72	2	0.24	0.24	1121.57	ppb	180.01	67.59	90000	
Co	59	72	2	0.00	0.00	-555.73	ppb	26.67	114.57	3600	
Ni	60	72	2	0.02	0.02	247.84	ppb	246.69	30.69	3600	
Cu	63	72	2	0.03	0.03	319.38	ppb	2166.97	20.15	3600	
Zn	66	72	2	0.36	0.36	87.41	ppb	346.70	31.78	3600	
As	75	72	2	0.01	0.01	507.02	ppb	30.00	33.33	3600	
Se	78	72	1	0.01	0.01	140.30	ppb	32.00	45.07	3600	
Nb	93	72	2	0.06	0.06	19.30	ppb	946.78	6.79	7200	
Mo	95	115	2	0.00	0.00	-2.90	ppb	20.00	0.00	3600	
Pd	105	115	2	0.02	0.02	32.95	ppb	106.68	21.65	3600	
Ag	107	115	2	0.00	0.00	1220.23	ppb	33.34	124.90	900	
Cd	111	115	2	0.06	0.06	141.17	ppb	60.01	88.19	3600	
Sn	120	115	2	0.01	0.01	476.16	ppb	300.03	24.04	3600	
Sb	121	115	2	-0.07	-0.07	-62.82	ppb	46.67	89.21	3600	
Ba	137	115	2	-0.10	-0.10	-37.65	ppb	6.67	173.21	3600	
W	182	165	2	-0.04	-0.04	-59.85	ppb	1026.80	16.34	3600	
Pt	195	165	2	0.00	0.00	1658.95	ppb	106.68	75.78	3600	
Tl	205	165	2	0.01	0.01	71.55	ppb	273.36	36.09	3600	
Pb	208	165	2	0.00	0.00	-252.69	ppb	1200.13	13.64	3600	
Th	232	165	2	-0.03	-0.03	-42.28	ppb	253.37	79.08	3600	
U	238	165	2	0.00	0.00	42.62	ppb	166.68	13.86	3600	

QC ISTD Table

Element	m/z	Tune Step	CPS	%RSD	Ref CPS	%Rec	Lower Limit	Upper Limit	QC Flag
Li6	6	1	2027672	2.31	1581655	128.2	60	125	IS Main Failed
Sc (IS)	45	2	1240417	2.83	982823	126.2	60	125	IS Main Failed
Ge (IS)	72	1	27445087	2.32	23777395	115.4	60	125	
Ge (IS)	72	2	1680836	1.41	1399839	120.1	60	125	
115In	115	2	4492240	0.36	3996161	112.4	60	125	
Ho-165	165	2	26622618	0.84	24640411	108.0	60	125	

TuneStep	TuneFile	TuneDate
1	h2_hmi.u	5/2/2012 3:31:00 PM
2	he_hmi.u	5/2/2012 3:31:00 PM

Sample Report

Sample Name	rinse
Data File Name	081SMPL.D
DataPath	d:\DATA\050212.B
Acq Date Time	2012-05-02T15:35:48-06:00
Type	Sample
VialNumber	3
Dilution	1
Comment	
Operator	LMT
ISTDRefDataFileName	055CALB.D
SamplePassFail	Pass
ISTD PassFail	Pass

QC Analyte Table

Element	m/z	ISTD	Tune Step	Meas Value	FinalConc	%RSD	Units	CPS	CPS %RSD	High Value	QC Flag
Be	9	6	1	0.00	0.00	154.75	ppb	8.33	34.64	3600	
Na	23	45	2	102.47	102.47	9.61	ppb	58641.98	4.58	1800000	
Mg	24	45	2	0.62	0.62	139.82	ppb	406.71	24.26	450000	
Al	27	45	2	0.11	0.11	1977.25	ppb	26.67	173.21	450000	
K	39	45	2	-3.65	-3.65	-45.61	ppb	2080.28	3.47	180000	
Ca	44	45	2	32.48	32.48	86.54	ppb	126.68	63.82	450000	
V	51	72	2	-0.05	-0.05	-116.98	ppb	-36.43	-236.78	3600	
Cr	52	72	2	-0.02	-0.02	-64.70	ppb	133.34	22.91	3600	
Mn	55	72	2	0.24	0.24	79.30	ppb	253.36	52.57	3600	
Fe	57	72	2	0.32	0.32	644.24	ppb	180.02	50.92	90000	
Co	59	72	2	0.01	0.01	76.36	ppb	86.68	48.04	3600	
Ni	60	72	2	0.04	0.04	78.38	ppb	260.03	13.32	3600	
Cu	63	72	2	0.12	0.12	31.23	ppb	2460.41	6.65	3600	
Zn	66	72	2	0.31	0.31	68.54	ppb	326.70	24.74	3600	
As	75	72	2	-0.04	-0.04	-129.96	ppb	20.00	50.00	3600	
Se	78	72	1	0.01	0.01	187.36	ppb	30.67	58.82	3600	
Nb	93	72	2	0.01	0.01	270.77	ppb	680.07	20.59	7200	
Mo	95	115	2	0.01	0.01	274.30	ppb	33.34	91.66	3600	
Pd	105	115	2	0.01	0.01	174.42	ppb	60.01	66.67	3600	
Ag	107	115	2	0.00	0.00	791.72	ppb	33.33	91.65	900	
Cd	111	115	2	0.06	0.06	139.90	ppb	60.01	88.20	3600	
Sn	120	115	2	0.06	0.06	46.93	ppb	360.04	11.11	3600	
Sb	121	115	2	-0.06	-0.06	-114.39	ppb	60.00	100.00	3600	
Ba	137	115	2	-0.13	-0.13	0.00	ppb	0.00	#DIV/0!	3600	
W	182	165	2	-0.02	-0.02	-185.67	ppb	1146.81	25.42	3600	
Pt	195	165	2	0.00	0.00	411.75	ppb	120.01	66.67	3600	
Tl	205	165	2	0.02	0.02	77.80	ppb	320.03	45.07	3600	
Pb	208	165	2	0.01	0.01	160.98	ppb	1353.49	11.85	3600	
Th	232	165	2	-0.03	-0.03	-6.53	ppb	233.36	13.09	3600	
U	238	165	2	0.00	0.00	105.70	ppb	180.02	38.49	3600	

QC ISTD Table

Element	m/z	Tune Step	CPS	%RSD	Ref CPS	%Rec	Lower Limit	Upper Limit	QC Flag
Li6	6	1	1939463	2.48	1581655	122.6	60	125	
Sc (IS)	45	2	1198848	0.77	982823	122.0	60	125	
Ge (IS)	72	1	27062887	2.47	23777395	113.8	60	125	
Ge (IS)	72	2	1653134	1.00	1399839	118.1	60	125	
115In	115	2	4450627	1.24	3996161	111.4	60	125	
Ho-165	165	2	26413485	0.44	24640411	107.2	60	125	

TuneStep	TuneFile	TuneDate
1	h2_hmi.u	5/2/2012 3:34:00 PM
2	he_hmi.u	5/2/2012 3:34:00 PM

Sample Report

Sample Name	rinse
Data File Name	082SMPL.D
DataPath	d:\DATA\050212.B
Acq Date Time	2012-05-02T15:38:46-06:00
Type	Sample
VialNumber	3
Dilution	1
Comment	
Operator	LMT
ISTDRefDataFileName	055CALB.D
SamplePassFail	Pass
ISTD PassFail	Pass

QC Analyte Table

Element	m/z	ISTD	Tune Step	Meas Value	FinalConc	%RSD	Units	CPS	CPS %RSD	High Value	QC Flag
Be	9	6	1	-0.01	-0.01	-191.73	ppb	3.33	173.21	3600	
Na	23	45	2	56.45	56.45	10.85	ppb	45003.63	2.57	1800000	
Mg	24	45	2	-0.78	-0.78	-82.70	ppb	240.02	30.05	450000	
Al	27	45	2	0.43	0.43	122.57	ppb	33.33	34.64	450000	
K	39	45	2	0.49	0.49	789.82	ppb	2267.02	8.84	180000	
Ca	44	45	2	-1.93	-1.93	-548.82	ppb	26.67	114.57	450000	
V	51	72	2	0.03	0.03	154.62	ppb	86.96	89.39	3600	
Cr	52	72	2	0.00	0.00	-1640.92	ppb	173.35	40.52	3600	
Mn	55	72	2	0.21	0.21	31.97	ppb	226.69	20.38	3600	
Fe	57	72	2	1.49	1.49	124.77	ppb	226.69	35.66	90000	
Co	59	72	2	0.00	0.00	193.60	ppb	46.67	65.47	3600	
Ni	60	72	2	0.02	0.02	292.77	ppb	240.02	38.19	3600	
Cu	63	72	2	0.09	0.09	65.28	ppb	2333.70	10.16	3600	
Zn	66	72	2	0.61	0.61	46.88	ppb	426.71	23.59	3600	
As	75	72	2	0.09	0.09	95.20	ppb	43.33	35.25	3600	
Se	78	72	1	0.01	0.01	254.30	ppb	25.33	48.24	3600	
Nb	93	72	2	0.00	0.00	763.70	ppb	640.06	25.58	7200	
Mo	95	115	2	0.00	0.00	-987.65	ppb	20.00	100.00	3600	
Pd	105	115	2	0.00	0.00	-307.51	ppb	26.67	114.57	3600	
Ag	107	115	2	0.01	0.01	109.92	ppb	93.34	75.26	900	
Cd	111	115	2	0.04	0.04	168.98	ppb	46.67	89.21	3600	
Sn	120	115	2	-0.08	-0.08	-63.89	ppb	173.35	40.52	3600	
Sb	121	115	2	-0.01	-0.01	-896.65	ppb	106.68	39.03	3600	
Ba	137	115	2	-0.10	-0.10	-37.59	ppb	6.67	173.21	3600	
W	182	165	2	-0.05	-0.05	-48.46	ppb	906.78	20.97	3600	
Pt	195	165	2	0.00	0.00	-268.30	ppb	80.01	66.14	3600	
Tl	205	165	2	0.01	0.01	50.43	ppb	280.03	25.75	3600	
Pb	208	165	2	0.03	0.03	72.23	ppb	1653.54	17.83	3600	
Th	232	165	2	-0.03	-0.03	-10.81	ppb	293.37	15.75	3600	
U	238	165	2	0.00	0.00	501.36	ppb	126.68	55.45	3600	

QC ISTD Table

Element	m/z	Tune Step	CPS	%RSD	Ref CPS	%Rec	Lower Limit	Upper Limit	QC Flag
Li6	6	1	1908167	1.57	1581655	120.6	60	125	
Sc (IS)	45	2	1189000	1.36	982823	121.0	60	125	
Ge (IS)	72	1	26236553	0.74	23777395	110.3	60	125	
Ge (IS)	72	2	1623873	0.54	1399839	116.0	60	125	
115In	115	2	4429878	1.07	3996161	110.9	60	125	
Ho-165	165	2	26173212	0.53	24640411	106.2	60	125	

TuneStep	TuneFile	TuneDate
1	h2_hmi.u	5/2/2012 3:37:00 PM
2	he_hmi.u	5/2/2012 3:37:00 PM

Calibration Blank Report

Sample Name	icis
Data File Name	083CALB.D
DataPath	d:\DATA\050212.B
Acq Date Time	2012-05-02T15:41:42-06:00
Type	CalBlk
VialNumber	2101
Dilution	1
Comment	
Operator	LMT

QC Analyte Table

Element	m/z	ISTD	Tune Step	CPS	%RSD
Be	9	6	1	0	#DIV/0!
Na	23	45	2	38750	1.86
Mg	24	45	2	400	20.00
Al	27	45	2	53	78.07
K	39	45	2	2054	3.13
Ca	44	45	2	93	12.37
Cr	52	72	2	180	58.80
Mn	55	72	2	127	36.46
Fe	57	72	2	107	10.82
Co	59	72	2	33	124.90
Ni	60	72	2	347	18.54
Cu	63	72	2	2187	17.00
Zn	66	72	2	307	35.92
As	75	72	2	10	100.00
Se	78	72	1	33	36.66
Nb	93	72	2	540	3.71
Mo	95	115	2	47	65.47
Pd	105	115	2	67	91.65
Ag	107	115	2	53	114.57
Cd	111	115	2	7	173.21
Sn	120	115	2	267	22.91
Sb	121	115	2	67	91.65
Ba	137	115	2	0	#DIV/0!
W	182	165	2	973	8.30
Pt	195	165	2	93	32.73
Tl	205	165	2	140	51.51
Pb	208	165	2	1207	5.82
Th	232	165	2	393	29.79
U	238	165	2	47	65.47

QC ISTD Table

Element	m/z	Tune Step	CPS	%RSD
Li6	6	1	1802363	1.47
Sc (IS)	45	2	1147653	1.31
Ge (IS)	72	1	25254690	0.33
Ge (IS)	72	2	1564656	1.32
115In	115	2	4340668	0.89
Ho-165	165	2	26220713	1.30

TuneStep	TuneFile	TuneDate
1	h2_hmi.u	5/2/2012 3:40:00 PM
2	he_hmi.u	5/2/2012 3:40:00 PM

Calibration Standard Report

Sample Name	ic
Data File Name	084CALS.D
DataPath	d:\DATA\050212.B
Acq Date Time	2012-05-02T15:44:40-06:00
Type	CalStd
VialNumber	2102
Dilution	1
Comment	
Operator	LMT
ISTDRefDataFileName	083CALB.D
ISTD PassFail	Pass

QC Analyte Table

Element	m/z	ISTD	Tune Step	CPS	%RSD
Be	9	6	1	50274	0.50
Na	23	45	2	2763823	0.91
Mg	24	45	2	1116168	2.43
Al	27	45	2	206103	1.96
K	39	45	2	459831	1.10
Ca	44	45	2	25366	5.06
V	51	72	2	141217	1.58
Cr	52	72	2	204940	0.99
Mn	55	72	2	65321	1.02
Fe	57	72	2	410244	0.82
Co	59	72	2	419382	1.16
Ni	60	72	2	125105	1.22
Cu	63	72	2	365426	1.91
Zn	66	72	2	34462	3.45
As	75	72	2	16745	2.10
Se	78	72	1	77420	1.22
Nb	93	72	2	934719	1.36
Mo	95	115	2	138404	2.28
Pd	105	115	2	271131	1.37
Ag	107	115	2	591532	0.63
Cd	111	115	2	58200	2.16
(Cd)	114	115	2	150780	3.41
Sn	120	115	2	128666	0.45
Sb	121	115	2	82595	3.10
Ba	137	115	2	27624	4.79
W	182	165	2	754310	1.15
Pt	195	165	2	675432	0.21
Tl	205	165	2	1137067	0.64
Pb	208	165	2	1443325	0.30
Th	232	165	2	1380746	1.23
U	238	165	2	1708098	1.29

QC ISTD Table

Element	m/z	Tune Step	CPS	%RSD	Reference CPS	%Recovery	Lower Limit	Upper Limit	QC Flag
Li6	6	1	1716374	2.07	1802363	95.2	60	125	
Sc (IS)	45	2	1084378	0.33	1147653	94.5	60	125	
Ge (IS)	72	1	23787040	0.27	25254690	94.2	60	125	
Ge (IS)	72	2	1476710	1.03	1564656	94.4	60	125	
115In	115	2	4135793	1.18	4340668	95.3	60	125	
Ho-165	165	2	25620303	0.47	26220713	97.7	60	125	

TuneStep	TuneFile	TuneDate
1	h2_hmi.u	5/2/2012 3:43:00 PM
2	he_hmi.u	5/2/2012 3:43:00 PM

Continuing Calibration Verification (CCV) - US EPA Method 6020

Sample Name	ccv-1394868
Data File Name	0856CCV.D
DataPath	d:\DATA\050212.B
Acq Date Time	2012-05-02T15:47:39-06:00
Type	6-CCV
VialNumber	1107
Dilution	1
Comment	
Operator	LMT
ISTDRefDataFileName	083CALB.D
SamplePassFail	Pass
ISTD PassFail	Pass

QC Analyte Table

Element	m/z	ISTD	Tune Step	Meas Value	%RSD	Units	CPS	CPS%RSD	Exp Value	%Rec	QC Low	QC High	QC Flag
Be	9	6	1	52.52	1.79	ppb	25612.48	2.08	50	105.0	90	110	
Na	23	45	2	4989.20	1.32	ppb	1375023.42	0.76	5000	99.8	90	110	
Mg	24	45	2	4869.17	0.83	ppb	535025.29	0.29	5000	97.4	90	110	
Al	27	45	2	4899.81	1.50	ppb	99399.64	0.95	5000	98.0	90	110	
K	39	45	2	4961.66	2.18	ppb	225486.27	2.02	5000	99.2	90	110	
Ca	44	45	2	5084.17	8.84	ppb	12732.24	8.66	5000	101.7	90	110	
V	51	72	2	49.90	4.59	ppb	70763.32	5.15	50	99.8	90	110	
Cr	52	72	2	49.44	0.37	ppb	101847.10	1.66	50	98.9	90	110	
Mn	55	72	2	51.47	3.66	ppb	33814.01	2.01	50	102.9	90	110	
Fe	57	72	2	4814.87	2.19	ppb	198412.85	1.25	5000	96.3	90	110	
Co	59	72	2	49.79	2.75	ppb	209683.80	1.21	50	99.6	90	110	
Ni	60	72	2	49.04	2.43	ppb	61774.71	1.42	50	98.1	90	110	
Cu	63	72	2	50.33	2.31	ppb	185733.60	0.55	50	100.7	90	110	
Zn	66	72	2	48.16	5.32	ppb	16822.47	5.59	50	96.3	90	110	
As	75	72	2	49.62	3.48	ppb	8348.98	1.70	50	99.2	90	110	
Se	78	72	1	51.12	1.39	ppb	38153.78	1.50	50	102.2	90	110	
Nb	93	72	2	99.27	3.62	ppb	466117.26	1.76	100	99.3	90	110	
Mo	95	115	2	49.57	4.53	ppb	69520.11	3.79	50	99.1	90	110	
Pd	105	115	2	48.76	2.41	ppb	133959.54	2.12	50	97.5	90	110	
Ag	107	115	2	50.79	0.99	ppb	304384.13	0.82	50	101.6	90	110	
Cd	111	115	2	49.15	2.64	ppb	28986.26	3.35	50	98.3	90	110	
Sn	120	115	2	49.18	3.66	ppb	64222.77	2.84	50	98.4	90	110	
Sb	121	115	2	50.24	3.29	ppb	42060.39	2.72	50	100.5	90	110	
Ba	137	115	2	49.31	5.41	ppb	13793.44	4.64	50	98.6	90	110	
W	182	165	2	50.53	1.51	ppb	383198.03	0.97	50	101.1	90	110	
Pt	195	165	2	51.77	1.06	ppb	351180.28	0.47	50	103.5	90	110	
Tl	205	165	2	51.39	1.66	ppb	586787.52	0.90	50	102.8	90	110	
Pb	208	165	2	51.11	1.93	ppb	741231.68	0.82	50	102.2	90	110	
Th	232	165	2	50.75	1.71	ppb	703753.53	0.64	50	101.5	90	110	
U	238	165	2	50.69	1.39	ppb	869377.72	0.32	50	101.4	90	110	

QC ISTD Table

Element	m/z	Tune Step	CPS	%RSD	Ref CPS	%Rec	QC Low	QC High	QC Flag
Li6	6	1	1664570	0.55	1802363	92.4	60	125	
Sc (IS)	45	2	1067162	0.54	1147653	93.0	60	125	
Ge (IS)	72	1	22921958	0.29	25254690	90.8	60	125	
Ge (IS)	72	2	1483213	1.91	1564656	94.8	60	125	
115In	115	2	4189695	0.84	4340668	96.5	60	125	
Ho-165	165	2	25727198	1.14	26220713	98.1	60	125	

TuneStep	TuneFile
1	h2_hmi.u
2	he_hmi.u

Continuing Calibration Blank (CCB) - US EPA Method 6020

Sample Name	ccb-1394903
Data File Name	0866CCB.D
DataPath	d:\DATA\050212.B
Acq Date Time	2012-05-02T15:50:39-06:00
Type	6-CCB
VialNumber	1307
Dilution	1
Comment	
Operator	LMT
ISTDRefDataFileName	083CALB.D
SamplePassFail	Fail
ISTD PassFail	Pass

QC Analyte Table

Element	m/z	ISTD	Tune Step	Meas Value	%RSD	Units	CPS	CPS %RSD	QC High	QC Flag
Be	9	6	1	0.03	86.67	ppb	13.33	86.60	1	
Na	23	45	2	-39.78	-5.84	ppb	24370.83	1.80	20	
Mg	24	45	2	-0.67	-284.71	ppb	286.69	69.89	20	
Al	27	45	2	0.29	529.46	ppb	53.34	57.29	20	
K	39	45	2	0.75	358.35	ppb	1866.92	5.90	20	
Ca	44	45	2	-18.06	-47.50	ppb	40.00	50.01	20	
V	51	72	2	0.03	215.74	ppb	-3.24	-2533.25	1	
Cr	52	72	2	-0.01	-153.55	ppb	140.01	24.75	1	
Mn	55	72	2	-0.03	-193.28	ppb	93.34	44.60	1	
Fe	57	72	2	1.27	60.49	ppb	146.68	20.83	20	
Co	59	72	2	0.00	251.90	ppb	46.67	89.21	1	
Ni	60	72	2	-0.12	-89.48	ppb	173.35	73.28	1	
Cu	63	72	2	0.01	1180.61	ppb	2020.33	21.78	1	
Zn	66	72	2	-0.01	-1901.87	ppb	273.36	25.70	5	
As	75	72	2	0.05	75.53	ppb	16.67	34.64	5	
Se	78	72	1	0.02	99.56	ppb	44.00	32.78	5	
Nb	93	72	2	0.81	8.75	ppb	4107.50	7.81	5	
Mo	95	115	2	0.09	33.96	ppb	166.68	24.98	1	
Pd	105	115	2	0.04	85.70	ppb	173.35	54.53	1	
Ag	107	115	2	0.03	48.70	ppb	200.02	36.06	1	
Cd	111	115	2	0.04	149.04	ppb	26.67	114.57	1	
Sn	120	115	2	0.10	55.95	ppb	380.04	18.97	5	
Sb	121	115	2	0.27	32.60	ppb	280.03	25.75	0.2	6-CCB Main Failed
Ba	137	115	2	0.05	173.21	ppb	13.33	173.21	1	
W	182	165	2	0.12	31.57	ppb	1853.62	16.02	1	
Pt	195	165	2	0.02	96.85	ppb	193.36	51.03	1	
Tl	205	165	2	0.03	36.94	ppb	486.72	27.36	1	
Pb	208	165	2	0.01	32.75	ppb	1346.83	3.74	1	
Th	232	165	2	0.10	20.01	ppb	1720.25	15.64	1	
U	238	165	2	0.03	12.97	ppb	573.39	12.25	1	

QC ISTD Table

Element	m/z	Tune Step	CPS	%RSD	Ref CPS	%Rec	QC Low	QC High	QC Flag
Li6	6	1	1590066	2.35	1802363	88.2	60	125	
Sc (IS)	45	2	1025539	1.22	1147653	89.4	60	125	
Ge (IS)	72	1	22253809	0.50	25254690	88.1	60	125	
Ge (IS)	72	2	1418511	0.39	1564656	90.7	60	125	
115In	115	2	4057303	0.50	4340668	93.5	60	125	
Ho-165	165	2	25512584	0.75	26220713	97.3	60	125	

TuneStep	TuneFile
1	h2_hmi.u
2	he_hmi.u

Sample Report

Sample Name	280-28286-B-2-B
Data File Name	087SMPL.D
DataPath	d:\DATA\050212.B
Acq Date Time	2012-05-02T15:53:37-06:00
Type	Sample
VialNumber	2406
Dilution	1
Comment	117485 6020
Operator	LMT
ISTDRefDataFileName	083CALB.D
SamplePassFail	Pass
ISTD PassFail	Pass

QC Analyte Table

Element	m/z	ISTD	Tune Step	Meas Value	FinalConc	%RSD	Units	CPS	CPS %RSD	High Value	QC Flag
Be	9	6	1	0.02	0.02	114.56	ppb	6.67	114.56	3600	
Na	23	45	2	528818.18	528818.18	1.39	ppb	125820291.46	2.17	1800000	
Mg	24	45	2	39933.85	39933.85	1.59	ppb	3886561.71	2.12	450000	
Al	27	45	2	117.45	117.45	6.70	ppb	2153.63	5.68	450000	
K	39	45	2	18608.91	18608.91	0.86	ppb	744871.76	1.69	180000	
Ca	44	45	2	231067.80	231067.80	0.38	ppb	509440.79	0.56	450000	
V	51	72	2	0.31	0.31	47.32	ppb	322.09	52.76	3600	
Cr	52	72	2	0.43	0.43	3.86	ppb	846.76	2.73	3600	
Mn	55	72	2	841.87	841.87	0.53	ppb	440901.05	1.21	3600	
Fe	57	72	2	450.23	450.23	5.04	ppb	14907.33	4.90	90000	
Co	59	72	2	1.57	1.57	11.58	ppb	5294.56	11.21	3600	
Ni	60	72	2	7.49	7.49	7.27	ppb	7769.03	6.33	3600	
Cu	63	72	2	1.27	1.27	4.73	ppb	5367.97	3.38	3600	
Zn	66	72	2	5.62	5.62	1.24	ppb	1773.57	1.72	3600	
As	75	72	2	1.26	1.26	19.17	ppb	176.68	18.19	3600	
Se	78	72	1	0.21	0.21	21.62	ppb	128.00	19.01	3600	
Nb	93	72	2	0.52	0.52	13.82	ppb	2347.01	12.12	7200	
Mo	95	115	2	1.48	1.48	16.56	ppb	1746.93	14.59	3600	
Pd	105	115	2	0.03	0.03	118.24	ppb	113.34	61.98	3600	
Ag	107	115	2	0.00	0.00	203.41	ppb	60.00	57.74	900	
Cd	111	115	2	0.10	0.10	62.94	ppb	53.34	57.29	3600	
Sn	120	115	2	0.27	0.27	54.76	ppb	506.74	33.10	3600	
Sb	121	115	2	0.12	0.12	70.05	ppb	133.35	43.30	3600	
Ba	137	115	2	199.85	199.85	3.02	ppb	46132.60	1.68	3600	
W	182	165	2	0.07	0.07	51.67	ppb	1260.17	18.72	3600	
Pt	195	165	2	0.00	0.00	229.66	ppb	100.01	52.92	3600	
Tl	205	165	2	0.02	0.02	0.39	ppb	300.03	0.00	3600	
Pb	208	165	2	0.35	0.35	11.75	ppb	5207.52	9.27	3600	
Th	232	165	2	0.45	0.45	16.08	ppb	5574.83	15.35	3600	
U	238	165	2	1.35	1.35	3.77	ppb	19520.25	3.95	3600	

QC ISTD Table

Element	m/z	Tune Step	CPS	%RSD	Ref CPS	%Rec	Lower Limit	Upper Limit	QC Flag
Li6	6	1	1291346	0.39	1802363	71.6	60	125	
Sc (IS)	45	2	945739	0.91	1147653	82.4	60	125	
Ge (IS)	72	1	15991231	1.20	25254690	63.3	60	125	
Ge (IS)	72	2	1185684	0.77	1564656	75.8	60	125	
115In	115	2	3457446	1.63	4340668	79.7	60	125	
Ho-165	165	2	21613586	0.24	26220713	82.4	60	125	

TuneStep	TuneFile	TuneDate
1	h2_hmi.u	5/2/2012 3:52:00 PM
2	he_hmi.u	5/2/2012 3:52:00 PM

Sample Report

Sample Name	280-28286-B-3-B
Data File Name	088SMPL.D
DataPath	d:\DATA\050212.B
Acq Date Time	2012-05-02T15:56:36-06:00
Type	Sample
VialNumber	2407
Dilution	1
Comment	117485 6020
Operator	LMT
ISTDRefDataFileName	083CALB.D
SamplePassFail	Fail
ISTD PassFail	Pass

QC Analyte Table

Element	m/z	ISTD	Tune Step	Meas Value	FinalConc	%RSD	Units	CPS	CPS%RSD	High Value	QC Flag
Be	9	6	1	0.00	0.00	#DIV/0!	ppb	0.00	#DIV/0!	3600	
Na	23	45	2	1821988.09	1821988.09	1.49	ppb	404171313.98	2.12	1800000	Sample Main Failed
Mg	24	45	2	47853.34	47853.34	0.42	ppb	4342875.87	1.08	450000	
Al	27	45	2	65.96	65.96	22.18	ppb	1146.80	21.81	450000	
K	39	45	2	10969.52	10969.52	0.58	ppb	410088.30	1.09	180000	
Ca	44	45	2	190835.91	190835.91	1.30	ppb	392389.97	1.95	450000	
V	51	72	2	1.26	1.26	18.51	ppb	1204.15	18.89	3600	
Cr	52	72	2	0.37	0.37	6.72	ppb	646.73	4.72	3600	
Mn	55	72	2	181.97	181.97	1.41	ppb	82169.28	1.36	3600	
Fe	57	72	2	862.75	862.75	1.90	ppb	24551.69	2.75	90000	
Co	59	72	2	0.49	0.49	8.34	ppb	1440.20	7.35	3600	
Ni	60	72	2	3.25	3.25	14.09	ppb	3033.89	12.34	3600	
Cu	63	72	2	1.72	1.72	10.88	ppb	5748.05	8.59	3600	
Zn	66	72	2	20.45	20.45	5.39	ppb	5034.49	4.61	3600	
As	75	72	2	1.04	1.04	13.59	ppb	126.68	12.06	3600	
Se	78	72	1	0.15	0.15	44.73	ppb	80.00	34.64	3600	
Nb	93	72	2	0.29	0.29	17.33	ppb	1280.16	13.35	7200	
Mo	95	115	2	0.83	0.83	15.02	ppb	840.10	14.87	3600	
Pd	105	115	2	0.04	0.04	44.06	ppb	113.34	26.95	3600	
Ag	107	115	2	0.00	0.00	-326.67	ppb	26.67	114.57	900	
Cd	111	115	2	0.10	0.10	27.64	ppb	46.67	24.74	3600	
Sn	120	115	2	0.00	0.00	8270.30	ppb	180.02	48.43	3600	
Sb	121	115	2	0.49	0.49	43.56	ppb	333.37	38.10	3600	
Ba	137	115	2	799.74	799.74	2.83	ppb	155778.82	2.80	3600	
W	182	165	2	0.11	0.11	15.77	ppb	1246.84	6.48	3600	
Pt	195	165	2	-0.01	-0.01	-46.48	ppb	13.33	173.21	3600	
Tl	205	165	2	0.00	0.00	130.22	ppb	133.35	37.75	3600	
Pb	208	165	2	0.55	0.55	6.15	ppb	6327.75	5.69	3600	
Th	232	165	2	0.21	0.21	9.65	ppb	2273.72	8.81	3600	
U	238	165	2	0.34	0.34	13.23	ppb	4114.28	14.06	3600	

QC ISTD Table

Element	m/z	Tune Step	CPS	%RSD	Ref CPS	%Rec	Lower Limit	Upper Limit	QC Flag
Li6	6	1	1202103	0.68	1802363	66.7	60	125	
Sc (IS)	45	2	881915	0.66	1147653	76.8	60	125	
Ge (IS)	72	1	13133245	1.33	25254690	52.0	60	125	IS Main Failed
Ge (IS)	72	2	1021546	0.90	1564656	65.3	60	125	
115In	115	2	2916691	0.39	4340668	67.2	60	125	
Ho-165	165	2	17908626	1.05	26220713	68.3	60	125	

TuneStep	TuneFile	TuneDate
1	h2_hmi.u	5/2/2012 3:55:00 PM
2	he_hmi.u	5/2/2012 3:55:00 PM

Sample Report

Sample Name	280-28286-B-5-B
Data File Name	089SMPL.D
DataPath	d:\DATA\050212.B
Acq Date Time	2012-05-02T15:59:36-06:00
Type	Sample
VialNumber	2409
Dilution	1
Comment	117485 6020
Operator	LMT
ISTDRefDataFileName	083CALB.D
SamplePassFail	Fail
ISTD PassFail	Pass

QC Analyte Table

Element	m/z	ISTD	Tune Step	Meas Value	FinalConc	%RSD	Units	CPS	CPS%RSD	High Value	QC Flag
Be	9	6	1	0.05	0.05	49.38	ppb	10.00	50.00	3600	
Na	23	45	2	16189860.34	16189860.34	0.50	ppb	2442977616.93	3.48	1800000	Sample Main Failed
Mg	24	45	2	892561.30	892561.30	0.16	ppb	55100405.85	3.22	450000	Sample Main Failed
Al	27	45	2	1012.97	1012.97	8.40	ppb	11578.00	9.33	450000	
K	39	45	2	58564.88	58564.88	2.50	ppb	1485550.03	5.72	180000	
Ca	44	45	2	2154372.91	2154372.91	1.38	ppb	3013527.66	4.39	450000	Sample Main Failed
V	51	72	2	4.93	4.93	1.68	ppb	2245.23	3.61	3600	
Cr	52	72	2	20.08	20.08	3.14	ppb	13399.51	3.50	3600	
Mn	55	72	2	2468.05	2468.05	0.44	ppb	522389.07	2.75	3600	
Fe	57	72	2	21932.98	21932.98	0.19	ppb	292002.34	2.67	90000	
Co	59	72	2	6.72	6.72	5.12	ppb	9156.41	6.78	3600	
Ni	60	72	2	17.44	17.44	6.14	ppb	7168.68	6.47	3600	
Cu	63	72	2	11.61	11.61	2.41	ppb	14373.74	4.65	3600	
Zn	66	72	2	18.62	18.62	2.90	ppb	2160.31	5.16	3600	
As	75	72	2	6.33	6.33	3.71	ppb	346.69	1.67	3600	
Se	78	72	1	4.57	4.57	12.67	ppb	702.69	11.75	3600	
Nb	93	72	2	0.34	0.34	27.66	ppb	680.08	23.35	7200	
Mo	95	115	2	5.52	5.52	18.77	ppb	2313.69	20.39	3600	
Pd	105	115	2	1.53	1.53	2.02	ppb	1266.83	5.08	3600	
Ag	107	115	2	0.01	0.01	214.64	ppb	40.00	132.29	900	
Cd	111	115	2	0.98	0.98	36.23	ppb	173.35	37.09	3600	
Sn	120	115	2	1.08	1.08	11.05	ppb	493.38	6.19	3600	
Sb	121	115	2	3.47	3.47	18.16	ppb	880.11	19.42	3600	
Ba	137	115	2	365.21	365.21	3.93	ppb	30349.43	7.20	3600	
W	182	165	2	0.12	0.12	69.39	ppb	466.71	34.38	3600	
Pt	195	165	2	-0.01	-0.01	0.00	ppb	0.00	#DIV/0!	3600	
Tl	205	165	2	0.02	0.02	57.32	ppb	86.68	35.25	3600	
Pb	208	165	2	5.66	5.66	1.41	ppb	21027.36	1.40	3600	
Th	232	165	2	0.38	0.38	16.82	ppb	1426.87	14.11	3600	
U	238	165	2	1.57	1.57	6.36	ppb	6795.34	5.08	3600	

QC ISTD Table

Element	m/z	Tune Step	CPS	%RSD	Ref CPS	%Rec	Lower Limit	Upper Limit	QC Flag
Li6	6	1	671985	1.09	1802363	37.3	60	125	IS Main Failed
Sc (IS)	45	2	599955	3.25	1147653	52.3	60	125	IS Main Failed
Ge (IS)	72	1	4688032	0.87	25254690	18.6	60	125	IS Main Failed
Ge (IS)	72	2	479285	2.82	1564656	30.6	60	125	IS Main Failed
115In	115	2	1243285	3.24	4340668	28.6	60	125	IS Main Failed
Ho-165	165	2	6502899	1.73	26220713	24.8	60	125	IS Main Failed

TuneStep	TuneFile	TuneDate
1	h2_hmi.u	5/2/2012 3:58:00 PM
2	he_hmi.u	5/2/2012 3:58:00 PM

Sample Report

Sample Name	280-28286-B-1-B@2
Data File Name	090SMPL.D
DataPath	d:\DATA\050212.B
Acq Date Time	2012-05-02T16:02:38-06:00
Type	Sample
VialNumber	2504
Dilution	1
Comment	117485 6020
Operator	LMT
ISTDRefDataFileName	083CALB.D
SamplePassFail	Pass
ISTD PassFail	Pass

QC Analyte Table

Element	m/z	ISTD	Tune Step	Meas Value	FinalConc	%RSD	Units	CPS	CPS %RSD	High Value	QC Flag
Be	9	6	1	0.05	0.05	42.36	ppb	26.67	43.30	3600	
Na	23	45	2	1609326.03	1609326.03	1.96	ppb	516368112.31	3.05	1800000	
Mg	24	45	2	47867.14	47867.14	2.14	ppb	6283244.91	2.84	450000	
Al	27	45	2	22.13	22.13	21.69	ppb	593.40	16.63	450000	
K	39	45	2	6646.82	6646.82	0.72	ppb	360472.65	4.20	180000	
Ca	44	45	2	151376.38	151376.38	1.77	ppb	450300.81	3.70	450000	
V	51	72	2	0.36	0.36	43.09	ppb	435.51	43.60	3600	
Cr	52	72	2	0.08	0.08	32.60	ppb	313.36	18.43	3600	
Mn	55	72	2	139.39	139.39	1.11	ppb	85015.34	4.21	3600	
Fe	57	72	2	746.87	746.87	5.06	ppb	28671.06	2.01	90000	
Co	59	72	2	1.52	1.52	4.72	ppb	5968.15	4.71	3600	
Ni	60	72	2	2.25	2.25	12.94	ppb	2933.83	13.78	3600	
Cu	63	72	2	1.21	1.21	8.60	ppb	6034.82	8.34	3600	
Zn	66	72	2	1.43	1.43	5.57	ppb	726.75	4.20	3600	
As	75	72	2	0.84	0.84	3.40	ppb	140.01	0.00	3600	
Se	78	72	1	0.52	0.52	16.25	ppb	338.68	15.23	3600	
Nb	93	72	2	0.06	0.06	41.83	ppb	720.07	16.90	7200	
Mo	95	115	2	0.81	0.81	22.57	ppb	993.46	24.02	3600	
Pd	105	115	2	0.07	0.07	51.22	ppb	206.69	36.64	3600	
Ag	107	115	2	0.00	0.00	313.57	ppb	53.34	57.29	900	
Cd	111	115	2	0.07	0.07	115.38	ppb	40.01	100.01	3600	
Sn	120	115	2	0.01	0.01	796.19	ppb	233.36	55.11	3600	
Sb	121	115	2	0.04	0.04	153.48	ppb	80.01	50.00	3600	
Ba	137	115	2	20.78	20.78	3.95	ppb	4894.49	2.25	3600	
W	182	165	2	0.07	0.07	37.97	ppb	1173.50	14.70	3600	
Pt	195	165	2	-0.01	-0.01	-50.12	ppb	26.67	86.60	3600	
Tl	205	165	2	0.00	0.00	37.04	ppb	146.68	7.87	3600	
Pb	208	165	2	0.05	0.05	52.34	ppb	1546.86	22.00	3600	
Th	232	165	2	0.01	0.01	140.51	ppb	393.38	33.08	3600	
U	238	165	2	3.21	3.21	0.48	ppb	43282.03	2.34	3600	

QC ISTD Table

Element	m/z	Tune Step	CPS	%RSD	Ref CPS	%Rec	Lower Limit	Upper Limit	QC Flag
Li6	6	1	1781567	0.84	1802363	98.8	60	125	
Sc (IS)	45	2	1276470	4.85	1147653	111.2	60	125	
Ge (IS)	72	1	18648875	0.42	25254690	73.8	60	125	
Ge (IS)	72	2	1379002	3.15	1564656	88.1	60	125	
115In	115	2	3528846	2.74	4340668	81.3	60	125	
Ho-165	165	2	20191927	2.08	26220713	77.0	60	125	

TuneStep	TuneFile	TuneDate
1	h2_hmi.u	5/2/2012 4:01:00 PM
2	he_hmi.u	5/2/2012 4:01:00 PM

Sample Report

Sample Name	280-28286-B-4-B@5
Data File Name	091SMPL.D
DataPath	d:\DATA\050212.B
Acq Date Time	2012-05-02T16:05:39-06:00
Type	Sample
VialNumber	2505
Dilution	1
Comment	117485 6020
Operator	LMT
ISTDRefDataFileName	083CALB.D
SamplePassFail	Pass
ISTD PassFail	Pass

QC Analyte Table

Element	m/z	ISTD	Tune Step	Meas Value	FinalConc	%RSD	Units	CPS	CPS %RSD	High Value	QC Flag
Be	9	6	1	0.01	0.01	173.21	ppb	5.00	173.21	3600	
Na	23	45	2	1147429.55	1147429.55	1.08	ppb	382956807.63	0.69	1800000	
Mg	24	45	2	35968.47	35968.47	0.17	ppb	4911721.28	1.25	450000	
Al	27	45	2	22.42	22.42	37.33	ppb	626.77	33.83	450000	
K	39	45	2	4167.88	4167.88	1.07	ppb	235914.83	1.48	180000	
Ca	44	45	2	119743.34	119743.34	1.92	ppb	370501.31	2.48	450000	
V	51	72	2	0.21	0.21	167.17	ppb	264.02	196.26	3600	
Cr	52	72	2	0.12	0.12	27.45	ppb	413.37	15.55	3600	
Mn	55	72	2	69.00	69.00	4.59	ppb	45933.75	3.82	3600	
Fe	57	72	2	102.46	102.46	6.08	ppb	4380.92	5.08	90000	
Co	59	72	2	0.35	0.35	14.00	ppb	1520.19	13.36	3600	
Ni	60	72	2	0.44	0.44	35.76	ppb	886.77	22.14	3600	
Cu	63	72	2	1.18	1.18	15.46	ppb	6448.37	9.60	3600	
Zn	66	72	2	1.41	1.41	39.96	ppb	786.76	25.72	3600	
As	75	72	2	0.08	0.08	150.86	ppb	23.33	89.21	3600	
Se	78	72	1	0.22	0.22	16.07	ppb	190.67	13.97	3600	
Nb	93	72	2	-0.03	-0.03	-99.61	ppb	360.04	44.10	7200	
Mo	95	115	2	0.30	0.30	14.65	ppb	413.37	13.97	3600	
Pd	105	115	2	0.06	0.06	38.34	ppb	193.35	26.03	3600	
Ag	107	115	2	0.00	0.00	3838.49	ppb	46.67	24.74	900	
Cd	111	115	2	0.08	0.08	56.56	ppb	46.67	49.49	3600	
Sn	120	115	2	0.08	0.08	104.58	ppb	326.70	30.82	3600	
Sb	121	115	2	0.14	0.14	103.33	ppb	160.01	66.15	3600	
Ba	137	115	2	64.80	64.80	7.68	ppb	16229.17	8.53	3600	
W	182	165	2	0.02	0.02	47.76	ppb	946.78	8.54	3600	
Pt	195	165	2	-0.01	-0.01	-36.43	ppb	13.33	173.21	3600	
Tl	205	165	2	0.00	0.00	351.96	ppb	126.68	36.46	3600	
Pb	208	165	2	0.06	0.06	33.81	ppb	1686.87	14.25	3600	
Th	232	165	2	0.00	0.00	82.54	ppb	353.37	8.65	3600	
U	238	165	2	0.19	0.19	8.44	ppb	2713.84	7.24	3600	

QC ISTD Table

Element	m/z	Tune Step	CPS	%RSD	Ref CPS	%Rec	Lower Limit	Upper Limit	QC Flag
Li6	6	1	2043642	1.58	1802363	113.4	60	125	
Sc (IS)	45	2	1326990	1.13	1147653	115.6	60	125	
Ge (IS)	72	1	22125999	0.46	25254690	87.6	60	125	
Ge (IS)	72	2	1503858	0.84	1564656	96.1	60	125	
115In	115	2	3748520	1.01	4340668	86.4	60	125	
Ho-165	165	2	21375279	1.06	26220713	81.5	60	125	

TuneStep	TuneFile	TuneDate
1	h2_hmi.u	5/2/2012 4:04:00 PM
2	he_hmi.u	5/2/2012 4:04:00 PM

Continuing Calibration Verification (CCV) - US EPA Method 6020

Sample Name	ccv-1394868
Data File Name	0926CCV.D
DataPath	d:\DATA\050212.B
Acq Date Time	2012-05-02T16:08:38-06:00
Type	6-CCV
VialNumber	1107
Dilution	1
Comment	
Operator	LMT
ISTDRefDataFileName	083CALB.D
SamplePassFail	Fail
ISTD PassFail	Pass

QC Analyte Table

Element	m/z	ISTD	Tune Step	Meas Value	%RSD	Units	CPS	CPS%RSD	Exp Value	%Rec	QC Low	QC High	QC Flag
Be	9	6	1	47.54	1.18	ppb	36887.57	0.78	50	95.1	90	110	
Na	23	45	2	7240.73	0.96	ppb	2657762.88	1.07	5000	144.8	90	110	6-CCV Main Failed
Mg	24	45	2	4981.59	0.53	ppb	734987.99	0.63	5000	99.6	90	110	
Al	27	45	2	4785.32	2.71	ppb	130337.67	1.77	5000	95.7	90	110	
K	39	45	2	5001.86	1.26	ppb	305221.26	1.74	5000	100.0	90	110	
Ca	44	45	2	5157.24	5.04	ppb	17336.31	4.05	5000	103.1	90	110	
V	51	72	2	52.01	3.08	ppb	92188.03	2.23	50	104.0	90	110	
Cr	52	72	2	50.96	1.17	ppb	131259.34	1.87	50	101.9	90	110	
Mn	55	72	2	51.61	2.43	ppb	42412.30	2.52	50	103.2	90	110	
Fe	57	72	2	4941.35	0.92	ppb	254637.77	1.89	5000	98.8	90	110	
Co	59	72	2	52.42	1.20	ppb	276091.60	1.62	50	104.8	90	110	
Ni	60	72	2	50.70	0.20	ppb	79852.31	1.40	50	101.4	90	110	
Cu	63	72	2	52.57	1.26	ppb	242477.77	0.61	50	105.1	90	110	
Zn	66	72	2	49.30	3.64	ppb	21521.29	3.68	50	98.6	90	110	
As	75	72	2	51.04	1.62	ppb	10740.34	1.72	50	102.1	90	110	
Se	78	72	1	51.90	1.07	ppb	57036.59	0.82	50	103.8	90	110	
Nb	93	72	2	95.19	1.38	ppb	559014.45	0.82	100	95.2	90	110	
Mo	95	115	2	55.61	2.95	ppb	84518.47	2.63	50	111.2	90	110	6-CCV Main Failed
Pd	105	115	2	53.98	1.33	ppb	160753.23	1.48	50	108.0	90	110	
Ag	107	115	2	53.97	0.32	ppb	350572.66	0.96	50	107.9	90	110	
Cd	111	115	2	51.85	2.79	ppb	33134.03	2.79	50	103.7	90	110	
Sn	120	115	2	51.25	0.96	ppb	72536.00	0.57	50	102.5	90	110	
Sb	121	115	2	53.14	1.65	ppb	48216.80	1.97	50	106.3	90	110	
Ba	137	115	2	50.81	2.53	ppb	15408.36	2.14	50	101.6	90	110	
W	182	165	2	50.52	1.31	ppb	384021.59	1.13	50	101.0	90	110	
Pt	195	165	2	51.68	0.39	ppb	351369.76	0.43	50	103.4	90	110	
Tl	205	165	2	49.90	1.43	ppb	571140.10	1.73	50	99.8	90	110	
Pb	208	165	2	49.70	1.67	ppb	722562.34	1.09	50	99.4	90	110	
Th	232	165	2	47.44	1.12	ppb	659396.97	0.53	50	94.9	90	110	
U	238	165	2	47.32	0.67	ppb	813564.54	0.25	50	94.6	90	110	

QC ISTD Table

Element	m/z	Tune Step	CPS	%RSD	Ref CPS	%Rec	QC Low	QC High	QC Flag
Li6	6	1	2648502	0.55	1802363	146.9	60	125	IS Main Failed
Sc (IS)	45	2	1432959	1.11	1147653	124.9	60	125	
Ge (IS)	72	1	33753456	0.25	25254690	133.7	60	125	IS Main Failed
Ge (IS)	72	2	1854358	1.45	1564656	118.5	60	125	
115In	115	2	4540759	0.72	4340668	104.6	60	125	
Ho-165	165	2	25784724	0.60	26220713	98.3	60	125	

TuneStep	TuneFile
1	h2_hmi.u
2	he_hmi.u

Continuing Calibration Blank (CCB) - US EPA Method 6020

Sample Name	ccb-1394903
Data File Name	0936CCB.D
DataPath	d:\DATA\050212.B
Acq Date Time	2012-05-02T16:11:55-06:00
Type	6-CCB
VialNumber	1307
Dilution	1
Comment	
Operator	LMT
ISTDRefDataFileName	083CALB.D
SamplePassFail	Fail
ISTD PassFail	Pass

QC Analyte Table

Element	m/z	ISTD	Tune Step	Meas Value	%RSD	Units	CPS	CPS %RSD	QC High	QC Flag
Be	9	6	1	0.01	114.24	ppb	6.67	114.56	1	
Na	23	45	2	1341.41	4.23	ppb	540616.84	0.66	20	6-CCB Main Failed
Mg	24	45	2	7.96	11.72	ppb	1700.24	5.88	20	
Al	27	45	2	-0.32	-653.11	ppb	60.00	100.00	20	
K	39	45	2	8.63	68.03	ppb	3133.93	9.69	20	
Ca	44	45	2	29.95	86.68	ppb	220.02	39.63	20	6-CCB Main Failed
V	51	72	2	-0.01	-1148.22	ppb	-78.36	-316.91	1	
Cr	52	72	2	0.03	121.04	ppb	293.37	30.75	1	
Mn	55	72	2	0.02	702.82	ppb	166.69	56.71	1	
Fe	57	72	2	0.83	249.04	ppb	173.35	63.55	20	
Co	59	72	2	0.00	641.32	ppb	46.67	89.21	1	
Ni	60	72	2	-0.07	-25.28	ppb	313.37	9.75	1	
Cu	63	72	2	0.09	41.55	ppb	3060.55	6.54	1	
Zn	66	72	2	-0.13	-85.80	ppb	313.36	16.06	5	
As	75	72	2	0.01	950.39	ppb	13.33	86.60	5	
Se	78	72	1	0.00	437.22	ppb	46.67	9.90	5	
Nb	93	72	2	0.53	19.61	ppb	3860.80	17.12	5	
Mo	95	115	2	0.07	120.27	ppb	160.01	81.97	1	
Pd	105	115	2	0.01	291.66	ppb	93.34	65.47	1	
Ag	107	115	2	0.01	56.72	ppb	120.01	28.87	1	
Cd	111	115	2	0.06	77.68	ppb	46.67	65.47	1	
Sn	120	115	2	0.02	609.28	ppb	313.37	46.18	5	
Sb	121	115	2	0.16	64.99	ppb	226.69	44.41	0.2	
Ba	137	115	2	0.00	#DIV/0!	ppb	0.00	#DIV/0!	1	
W	182	165	2	0.04	65.17	ppb	1333.52	17.39	1	
Pt	195	165	2	0.02	67.84	ppb	200.02	36.06	1	
Tl	205	165	2	0.02	54.94	ppb	346.70	32.81	1	
Pb	208	165	2	0.01	58.78	ppb	1426.83	8.56	1	
Th	232	165	2	0.06	45.53	ppb	1293.52	31.74	1	
U	238	165	2	0.02	25.78	ppb	393.39	22.93	1	

QC ISTD Table

Element	m/z	Tune Step	CPS	%RSD	Ref CPS	%Rec	QC Low	QC High	QC Flag
Li6	6	1	2583082	0.47	1802363	143.3	60	125	IS Main Failed
Sc (IS)	45	2	1457897	3.32	1147653	127.0	60	125	IS Main Failed
Ge (IS)	72	1	34515504	0.79	25254690	136.7	60	125	IS Main Failed
Ge (IS)	72	2	1898215	1.05	1564656	121.3	60	125	
115In	115	2	4716809	0.39	4340668	108.7	60	125	
Ho-165	165	2	26465555	0.29	26220713	100.9	60	125	

TuneStep	TuneFile
1	h2_hmi.u
2	he_hmi.u

Sample Report

Sample Name	rinse
Data File Name	094SMPL.D
DataPath	d:\DATA\050212.B
Acq Date Time	2012-05-02T16:14:53-06:00
Type	Sample
VialNumber	3
Dilution	1
Comment	
Operator	LMT
ISTDRefDataFileName	083CALB.D
SamplePassFail	Fail
ISTD PassFail	Pass

QC Analyte Table

Element	m/z	ISTD	Tune Step	Meas Value	FinalConc	%RSD	Units	CPS	CPS %RSD	High Value	QC Flag
Be	9	6	1	0.01	0.01	41.44	ppb	6.67	43.30	3600	
Na	23	45	2	905.39	905.39	3.82	ppb	383270.27	1.46	1800000	
Mg	24	45	2	4.64	4.64	15.55	ppb	1213.47	10.07	450000	
Al	27	45	2	-0.28	-0.28	-265.40	ppb	60.01	33.34	450000	
K	39	45	2	3.71	3.71	29.92	ppb	2853.84	4.11	180000	
Ca	44	45	2	11.76	11.76	221.11	ppb	160.01	57.29	450000	
V	51	72	2	0.00	0.00	-994.92	ppb	-62.97	-123.33	3600	
Cr	52	72	2	-0.02	-0.02	-171.06	ppb	166.68	55.43	3600	
Mn	55	72	2	0.23	0.23	50.98	ppb	346.70	28.46	3600	
Fe	57	72	2	1.56	1.56	78.57	ppb	213.35	30.14	90000	
Co	59	72	2	0.00	0.00	-4995.57	ppb	40.00	86.60	3600	
Ni	60	72	2	-0.05	-0.05	-84.70	ppb	346.70	20.26	3600	
Cu	63	72	2	0.04	0.04	22.45	ppb	2887.11	1.60	3600	
Zn	66	72	2	0.00	0.00	-7082.17	ppb	373.37	17.22	3600	
As	75	72	2	-0.01	-0.01	-856.54	ppb	10.00	173.21	3600	
Se	78	72	1	0.00	0.00	-3975.24	ppb	45.33	45.28	3600	
Nb	93	72	2	0.13	0.13	23.11	ppb	1426.85	13.25	7200	
Mo	95	115	2	0.00	0.00	-226.45	ppb	46.67	24.75	3600	
Pd	105	115	2	0.00	0.00	-285.25	ppb	60.01	66.67	3600	
Ag	107	115	2	0.01	0.01	63.31	ppb	126.68	32.87	900	
Cd	111	115	2	0.04	0.04	90.28	ppb	33.34	69.29	3600	
Sn	120	115	2	0.02	0.02	311.56	ppb	320.03	25.00	3600	
Sb	121	115	2	0.03	0.03	200.31	ppb	100.00	52.92	3600	
Ba	137	115	2	0.02	0.02	173.21	ppb	6.67	173.21	3600	
W	182	165	2	0.01	0.01	193.37	ppb	1100.15	19.16	3600	
Pt	195	165	2	0.01	0.01	134.40	ppb	160.02	54.49	3600	
Tl	205	165	2	0.01	0.01	77.24	ppb	246.69	32.77	3600	
Pb	208	165	2	0.01	0.01	57.58	ppb	1433.51	8.06	3600	
Th	232	165	2	-0.01	-0.01	-148.06	ppb	320.03	37.50	3600	
U	238	165	2	0.01	0.01	14.85	ppb	253.36	12.06	3600	

QC ISTD Table

Element	m/z	Tune Step	CPS	%RSD	Ref CPS	%Rec	Lower Limit	Upper Limit	QC Flag
Li6	6	1	2565501	2.17	1802363	142.3	60	125	IS Main Failed
Sc (IS)	45	2	1466416	1.90	1147653	127.8	60	125	IS Main Failed
Ge (IS)	72	1	34691000	0.18	25254690	137.4	60	125	IS Main Failed
Ge (IS)	72	2	1916281	1.03	1564656	122.5	60	125	
115In	115	2	4785096	1.33	4340668	110.2	60	125	
Ho-165	165	2	26707790	0.26	26220713	101.9	60	125	

TuneStep	TuneFile	TuneDate
1	h2_hmi.u	5/2/2012 4:13:00 PM
2	he_hmi.u	5/2/2012 4:13:00 PM

Sample Report

Sample Name	rinse
Data File Name	095SMPL.D
DataPath	d:\DATA\050212.B
Acq Date Time	2012-05-02T16:17:52-06:00
Type	Sample
VialNumber	3
Dilution	1
Comment	
Operator	LMT
ISTDRefDataFileName	083CALB.D
SamplePassFail	Fail
ISTD PassFail	Pass

QC Analyte Table

Element	m/z	ISTD	Tune Step	Meas Value	FinalConc	%RSD	Units	CPS	CPS %RSD	High Value	QC Flag
Be	9	6	1	0.01	0.01	173.21	ppb	5.00	173.21	3600	
Na	23	45	2	604.74	604.74	2.91	ppb	272092.11	0.17	1800000	
Mg	24	45	2	3.96	3.96	17.11	ppb	1106.80	6.84	450000	
Al	27	45	2	-2.44	-2.44	0.00	ppb	0.00	#DIV/0!	450000	
K	39	45	2	5.09	5.09	36.93	ppb	2933.81	2.76	180000	
Ca	44	45	2	-9.52	-9.52	-128.01	ppb	86.67	48.04	450000	
V	51	72	2	0.06	0.06	121.36	ppb	62.53	228.30	3600	
Cr	52	72	2	0.02	0.02	256.43	ppb	260.02	42.83	3600	
Mn	55	72	2	0.28	0.28	21.42	ppb	386.71	13.02	3600	
Fe	57	72	2	3.65	3.65	55.50	ppb	320.04	33.07	90000	
Co	59	72	2	0.00	0.00	183.73	ppb	46.67	24.75	3600	
Ni	60	72	2	-0.10	-0.10	-29.04	ppb	253.36	19.87	3600	
Cu	63	72	2	0.05	0.05	177.32	ppb	2887.17	15.27	3600	
Zn	66	72	2	0.09	0.09	475.17	ppb	406.70	44.62	3600	
As	75	72	2	0.01	0.01	1572.15	ppb	13.33	173.21	3600	
Se	78	72	1	-0.01	-0.01	-107.19	ppb	32.00	43.30	3600	
Nb	93	72	2	0.06	0.06	69.58	ppb	1020.12	25.64	7200	
Mo	95	115	2	0.01	0.01	323.50	ppb	66.67	75.50	3600	
Pd	105	115	2	-0.01	-0.01	-62.06	ppb	40.00	50.01	3600	
Ag	107	115	2	0.00	0.00	77.55	ppb	60.01	0.00	900	
Cd	111	115	2	0.11	0.11	82.27	ppb	80.01	75.00	3600	
Sn	120	115	2	-0.03	-0.03	-138.98	ppb	240.02	28.87	3600	
Sb	121	115	2	-0.04	-0.04	-103.19	ppb	40.00	86.61	3600	
Ba	137	115	2	0.04	0.04	173.21	ppb	13.33	173.21	3600	
W	182	165	2	0.03	0.03	114.84	ppb	1193.49	20.27	3600	
Pt	195	165	2	-0.01	-0.01	-35.27	ppb	40.00	50.01	3600	
Tl	205	165	2	0.01	0.01	102.15	ppb	213.35	35.49	3600	
Pb	208	165	2	0.01	0.01	57.15	ppb	1440.17	9.72	3600	
Th	232	165	2	-0.01	-0.01	-55.05	ppb	273.37	25.70	3600	
U	238	165	2	0.01	0.01	22.77	ppb	233.36	17.84	3600	

QC ISTD Table

Element	m/z	Tune Step	CPS	%RSD	Ref CPS	%Rec	Lower Limit	Upper Limit	QC Flag
Li6	6	1	2538087	1.78	1802363	140.8	60	125	IS Main Failed
Sc (IS)	45	2	1464545	2.53	1147653	127.6	60	125	IS Main Failed
Ge (IS)	72	1	34111381	0.53	25254690	135.1	60	125	IS Main Failed
Ge (IS)	72	2	1888923	1.28	1564656	120.7	60	125	
115In	115	2	4762961	1.50	4340668	109.7	60	125	
Ho-165	165	2	26700326	1.39	26220713	101.8	60	125	

TuneStep	TuneFile	TuneDate
1	h2_hmi.u	5/2/2012 4:16:00 PM
2	he_hmi.u	5/2/2012 4:16:00 PM

Sample Report

Sample Name	rinse
Data File Name	096SMPL.D
DataPath	d:\DATA\050212.B
Acq Date Time	2012-05-02T16:20:59-06:00
Type	Sample
VialNumber	3
Dilution	1
Comment	
Operator	LMT
ISTDRefDataFileName	083CALB.D
SamplePassFail	Fail
ISTD PassFail	Pass

QC Analyte Table

Element	m/z	ISTD	Tune Step	Meas Value	FinalConc	%RSD	Units	CPS	CPS %RSD	High Value	QC Flag
Be	9	6	1	0.01	0.01	86.60	ppb	10.00	86.60	3600	
Na	23	45	2	446.47	446.47	1.54	ppb	208602.10	1.35	1800000	
Mg	24	45	2	3.69	3.69	36.47	ppb	1040.11	18.55	450000	
Al	27	45	2	-0.72	-0.72	-116.87	ppb	46.67	49.49	450000	
K	39	45	2	0.44	0.44	1738.48	ppb	2580.38	17.46	180000	
Ca	44	45	2	-2.84	-2.84	-240.20	ppb	106.68	21.65	450000	
V	51	72	2	0.01	0.01	541.53	ppb	-34.60	-302.36	3600	
Cr	52	72	2	0.01	0.01	142.81	ppb	240.02	14.43	3600	
Mn	55	72	2	0.25	0.25	33.57	ppb	360.04	19.25	3600	
Fe	57	72	2	1.64	1.64	148.12	ppb	213.35	59.54	90000	
Co	59	72	2	0.00	0.00	-99.90	ppb	20.00	100.00	3600	
Ni	60	72	2	-0.02	-0.02	-50.26	ppb	380.04	5.26	3600	
Cu	63	72	2	0.08	0.08	133.24	ppb	2980.52	16.54	3600	
Zn	66	72	2	0.12	0.12	337.65	ppb	420.04	42.86	3600	
As	75	72	2	-0.01	-0.01	-3.39	ppb	10.00	0.00	3600	
Se	78	72	1	0.00	0.00	-313.89	ppb	38.67	41.81	3600	
Nb	93	72	2	0.02	0.02	145.06	ppb	753.43	19.93	7200	
Mo	95	115	2	-0.01	-0.01	-499.47	ppb	40.00	132.29	3600	
Pd	105	115	2	0.01	0.01	608.47	ppb	93.34	137.77	3600	
Ag	107	115	2	0.01	0.01	83.00	ppb	100.01	34.64	900	
Cd	111	115	2	0.06	0.06	127.47	ppb	46.67	107.86	3600	
Sn	120	115	2	-0.04	-0.04	-116.12	ppb	233.36	27.56	3600	
Sb	121	115	2	-0.07	-0.07	-17.57	ppb	6.67	173.21	3600	
Ba	137	115	2	0.06	0.06	100.11	ppb	20.00	100.00	3600	
W	182	165	2	0.01	0.01	232.71	ppb	1100.15	23.21	3600	
Pt	195	165	2	0.00	0.00	-1237.11	ppb	86.67	113.84	3600	
Tl	205	165	2	0.00	0.00	71.62	ppb	173.35	13.33	3600	
Pb	208	165	2	0.02	0.02	36.35	ppb	1500.18	6.11	3600	
Th	232	165	2	-0.01	-0.01	-44.92	ppb	266.70	22.91	3600	
U	238	165	2	0.01	0.01	38.81	ppb	226.69	30.99	3600	

QC ISTD Table

Element	m/z	Tune Step	CPS	%RSD	Ref CPS	%Rec	Lower Limit	Upper Limit	QC Flag
Li6	6	1	2435395	0.67	1802363	135.1	60	125	IS Main Failed
Sc (IS)	45	2	1428230	0.53	1147653	124.4	60	125	
Ge (IS)	72	1	33234828	0.34	25254690	131.6	60	125	IS Main Failed
Ge (IS)	72	2	1875665	0.64	1564656	119.9	60	125	
115In	115	2	4699173	0.17	4340668	108.3	60	125	
Ho-165	165	2	26675134	0.50	26220713	101.7	60	125	

TuneStep	TuneFile	TuneDate
1	h2_hmi.u	5/2/2012 4:19:00 PM
2	he_hmi.u	5/2/2012 4:19:00 PM

Sample Report

Sample Name	rinse
Data File Name	097SMPL.D
DataPath	d:\DATA\050212.B
Acq Date Time	2012-05-02T16:23:58-06:00
Type	Sample
VialNumber	3
Dilution	1
Comment	
Operator	LMT
ISTDRefDataFileName	083CALB.D
SamplePassFail	Fail
ISTD PassFail	Pass

QC Analyte Table

Element	m/z	ISTD	Tune Step	Meas Value	FinalConc	%RSD	Units	CPS	CPS %RSD	High Value	QC Flag
Be	9	6	1	0.01	0.01	99.23	ppb	5.00	100.00	3600	
Na	23	45	2	339.78	339.78	4.11	ppb	166413.91	2.93	1800000	
Mg	24	45	2	2.73	2.73	66.36	ppb	880.10	29.72	450000	
Al	27	45	2	-0.18	-0.18	-1138.47	ppb	60.01	88.19	450000	
K	39	45	2	7.42	7.42	111.39	ppb	2933.83	16.37	180000	
Ca	44	45	2	6.15	6.15	450.73	ppb	133.34	67.64	450000	
V	51	72	2	-0.01	-0.01	-526.51	ppb	-66.89	-106.98	3600	
Cr	52	72	2	-0.01	-0.01	-786.88	ppb	193.35	74.84	3600	
Mn	55	72	2	0.24	0.24	56.48	ppb	346.72	31.77	3600	
Fe	57	72	2	-0.11	-0.11	-1039.37	ppb	120.01	50.00	90000	
Co	59	72	2	0.00	0.00	-89.02	ppb	13.33	173.21	3600	
Ni	60	72	2	-0.13	-0.13	-5.33	ppb	213.36	5.41	3600	
Cu	63	72	2	0.06	0.06	75.37	ppb	2867.15	8.09	3600	
Zn	66	72	2	0.06	0.06	37.69	ppb	386.71	2.99	3600	
As	75	72	2	0.02	0.02	307.54	ppb	16.67	91.65	3600	
Se	78	72	1	0.00	0.00	-1187.91	ppb	41.33	62.97	3600	
Nb	93	72	2	-0.01	-0.01	-196.87	ppb	553.39	30.10	7200	
Mo	95	115	2	-0.01	-0.01	-99.16	ppb	26.67	86.60	3600	
Pd	105	115	2	-0.01	-0.01	-228.60	ppb	53.34	78.07	3600	
Ag	107	115	2	0.00	0.00	3578.00	ppb	60.00	145.30	900	
Cd	111	115	2	0.04	0.04	116.42	ppb	33.34	91.66	3600	
Sn	120	115	2	-0.02	-0.02	-353.44	ppb	260.02	33.53	3600	
Sb	121	115	2	-0.04	-0.04	-59.73	ppb	33.33	69.28	3600	
Ba	137	115	2	0.13	0.13	49.72	ppb	40.00	50.01	3600	
W	182	165	2	0.02	0.02	160.65	ppb	1146.81	20.81	3600	
Pt	195	165	2	-0.01	-0.01	-56.07	ppb	60.01	33.34	3600	
Tl	205	165	2	0.00	0.00	175.08	ppb	200.02	50.00	3600	
Pb	208	165	2	0.02	0.02	53.61	ppb	1500.19	9.33	3600	
Th	232	165	2	-0.01	-0.01	-207.05	ppb	313.37	59.31	3600	
U	238	165	2	0.01	0.01	66.61	ppb	153.35	45.81	3600	

QC ISTD Table

Element	m/z	Tune Step	CPS	%RSD	Ref CPS	%Rec	Lower Limit	Upper Limit	QC Flag
Li6	6	1	2461210	1.17	1802363	136.6	60	125	IS Main Failed
Sc (IS)	45	2	1395814	0.42	1147653	121.6	60	125	
Ge (IS)	72	1	33034272	0.65	25254690	130.8	60	125	IS Main Failed
Ge (IS)	72	2	1844003	0.58	1564656	117.9	60	125	
115In	115	2	4647990	0.40	4340668	107.1	60	125	
Ho-165	165	2	26878291	0.07	26220713	102.5	60	125	

TuneStep	TuneFile	TuneDate
1	h2_hmi.u	5/2/2012 4:22:00 PM
2	he_hmi.u	5/2/2012 4:22:00 PM

Calibration Blank Report

Sample Name	icis
Data File Name	098CALB.D
DataPath	d:\DATA\050212.B
Acq Date Time	2012-05-02T16:26:54-06:00
Type	CalBlk
VialNumber	2101
Dilution	1
Comment	
Operator	LMT

QC Analyte Table

Element	m/z	ISTD	Tune Step	CPS	%RSD
Be	9	6	1	5	0.00
Na	23	45	2	135819	2.41
Mg	24	45	2	833	24.04
Al	27	45	2	93	53.93
K	39	45	2	2574	19.30
Ca	44	45	2	173	48.04
V	51	72	2	84	122.11
Cr	52	72	2	207	20.15
Mn	55	72	2	133	60.62
Fe	57	72	2	187	50.64
Co	59	72	2	27	43.30
Ni	60	72	2	167	24.98
Cu	63	72	2	2427	9.55
Zn	66	72	2	293	41.66
As	75	72	2	20	86.60
Se	78	72	1	25	65.74
Nb	93	72	2	453	45.06
Mo	95	115	2	20	100.00
Pd	105	115	2	20	100.00
Ag	107	115	2	113	73.47
Cd	111	115	2	13	173.21
Sn	120	115	2	307	7.53
Sb	121	115	2	27	43.30
Ba	137	115	2	0	#DIV/0!
W	182	165	2	1260	20.27
Pt	195	165	2	107	57.29
Tl	205	165	2	140	14.28
Pb	208	165	2	1193	12.35
Th	232	165	2	393	17.86
U	238	165	2	60	100.00

QC ISTD Table

Element	m/z	Tune Step	CPS	%RSD
Li6	6	1	2424211	3.27
Sc (IS)	45	2	1378306	2.73
Ge (IS)	72	1	32235649	3.78
Ge (IS)	72	2	1820299	1.74
115In	115	2	4682921	1.39
Ho-165	165	2	26948784	1.89

TuneStep	TuneFile	TuneDate
1	h2_hmi.u	5/2/2012 4:25:00 PM
2	he_hmi.u	5/2/2012 4:25:00 PM

Calibration Standard Report

Sample Name	ic
Data File Name	099CALS.D
DataPath	d:\DATA\050212.B
Acq Date Time	2012-05-02T16:29:51-06:00
Type	CalStd
VialNumber	2102
Dilution	1
Comment	
Operator	LMT
ISTDRefDataFileName	098CALB.D
ISTD PassFail	Pass

QC Analyte Table

Element	m/z	ISTD	Tune Step	CPS	%RSD
Be	9	6	1	65024	2.21
Na	23	45	2	3394611	0.64
Mg	24	45	2	1366251	0.17
Al	27	45	2	240315	1.33
K	39	45	2	557368	0.31
Ca	44	45	2	31122	5.90
V	51	72	2	165110	1.21
Cr	52	72	2	238793	1.11
Mn	55	72	2	75198	3.10
Fe	57	72	2	473381	0.92
Co	59	72	2	492820	0.50
Ni	60	72	2	143851	1.57
Cu	63	72	2	429523	0.24
Zn	66	72	2	38484	3.55
As	75	72	2	18634	2.87
Se	78	72	1	99169	0.76
Nb	93	72	2	1037842	0.12
Mo	95	115	2	154266	1.24
Pd	105	115	2	293360	1.24
Ag	107	115	2	653953	1.22
Cd	111	115	2	61252	4.16
(Cd)	114	115	2	158362	1.58
Sn	120	115	2	135634	0.48
Sb	121	115	2	87546	2.78
Ba	137	115	2	30837	3.17
W	182	165	2	755192	0.98
Pt	195	165	2	683433	0.28
Tl	205	165	2	1121928	0.88
Pb	208	165	2	1404234	0.38
Th	232	165	2	1316285	0.20
U	238	165	2	1627979	0.97

QC ISTD Table

Element	m/z	Tune Step	CPS	%RSD	Reference CPS	%Recovery	Lower Limit	Upper Limit	QC Flag
Li6	6	1	2288242	0.80	2424211	94.4	60	125	
Sc (IS)	45	2	1318203	2.73	1378306	95.6	60	125	
Ge (IS)	72	1	30405786	0.42	32235649	94.3	60	125	
Ge (IS)	72	2	1756704	1.21	1820299	96.5	60	125	
115In	115	2	4430777	1.84	4682921	94.6	60	125	
Ho-165	165	2	26082545	0.71	26948784	96.8	60	125	

TuneStep	TuneFile	TuneDate
1	h2_hmi.u	5/2/2012 4:28:00 PM
2	he_hmi.u	5/2/2012 4:28:00 PM

Continuing Calibration Verification (CCV) - US EPA Method 6020

Sample Name	ccv-1394868
Data File Name	1006CCV.D
DataPath	d:\DATA\050212.B
Acq Date Time	2012-05-02T16:32:50-06:00
Type	6-CCV
VialNumber	1107
Dilution	1
Comment	
Operator	LMT
ISTDRefDataFileName	098CALB.D
SamplePassFail	Pass
ISTD PassFail	Pass

QC Analyte Table

Element	m/z	ISTD	Tune Step	Meas Value	%RSD	Units	CPS	CPS%RSD	Exp Value	%Rec	QC Low	QC High	QC Flag
Be	9	6	1	50.92	1.36	ppb	33100.57	1.27	50	101.8	90	110	
Na	23	45	2	5170.13	1.37	ppb	1791889.35	0.90	5000	103.4	90	110	
Mg	24	45	2	4933.90	2.11	ppb	664891.08	0.57	5000	98.7	90	110	
Al	27	45	2	4960.91	4.26	ppb	117520.33	2.64	5000	99.2	90	110	
K	39	45	2	5065.81	1.75	ppb	279532.23	0.93	5000	101.3	90	110	
Ca	44	45	2	4864.00	4.69	ppb	15000.59	3.87	5000	97.3	90	110	
V	51	72	2	51.65	0.97	ppb	83622.28	0.91	50	103.3	90	110	
Cr	52	72	2	51.83	2.88	ppb	121376.52	1.49	50	103.7	90	110	
Mn	55	72	2	52.04	2.76	ppb	38415.99	3.06	50	104.1	90	110	
Fe	57	72	2	5080.23	1.24	ppb	235777.83	1.06	5000	101.6	90	110	
Co	59	72	2	51.59	1.04	ppb	249190.10	0.72	50	103.2	90	110	
Ni	60	72	2	52.82	2.75	ppb	74523.03	1.36	50	105.6	90	110	
Cu	63	72	2	52.07	2.23	ppb	220291.34	1.02	50	104.1	90	110	
Zn	66	72	2	53.45	6.69	ppb	20272.95	5.23	50	106.9	90	110	
As	75	72	2	54.43	4.02	ppb	9946.50	3.39	50	108.9	90	110	
Se	78	72	1	51.58	2.56	ppb	51065.58	3.01	50	103.2	90	110	
Nb	93	72	2	104.14	2.15	ppb	529749.63	0.66	100	104.1	90	110	
Mo	95	115	2	52.38	1.82	ppb	81418.51	2.07	50	104.8	90	110	
Pd	105	115	2	51.75	0.85	ppb	152909.95	0.72	50	103.5	90	110	
Ag	107	115	2	51.35	0.65	ppb	338321.43	1.10	50	102.7	90	110	
Cd	111	115	2	49.93	1.02	ppb	30802.81	1.50	50	99.9	90	110	
Sn	120	115	2	50.90	1.45	ppb	69677.52	1.00	50	101.8	90	110	
Sb	121	115	2	50.93	2.56	ppb	44941.86	2.51	50	101.9	90	110	
Ba	137	115	2	47.99	3.07	ppb	14907.93	3.43	50	96.0	90	110	
W	182	165	2	51.84	1.51	ppb	392677.42	1.65	50	103.7	90	110	
Pt	195	165	2	52.32	0.96	ppb	358150.85	0.98	50	104.6	90	110	
Tl	205	165	2	52.03	1.85	ppb	584729.77	1.96	50	104.1	90	110	
Pb	208	165	2	52.62	0.91	ppb	740538.55	0.85	50	105.2	90	110	
Th	232	165	2	51.88	0.91	ppb	684153.58	0.71	50	103.8	90	110	
U	238	165	2	51.17	1.41	ppb	834273.92	1.34	50	102.3	90	110	

QC ISTD Table

Element	m/z	Tune Step	CPS	%RSD	Ref CPS	%Rec	QC Low	QC High	QC Flag
Li6	6	1	2287237	0.12	2424211	94.3	60	125	
Sc (IS)	45	2	1299046	1.72	1378306	94.2	60	125	
Ge (IS)	72	1	30346562	0.78	32235649	94.1	60	125	
Ge (IS)	72	2	1721669	1.51	1820299	94.6	60	125	
115In	115	2	4462064	0.48	4682921	95.3	60	125	
Ho-165	165	2	26121963	0.22	26948784	96.9	60	125	

TuneStep	TuneFile
1	h2_hmi.u
2	he_hmi.u

Continuing Calibration Blank (CCB) - US EPA Method 6020

Sample Name	ccb-1394903
Data File Name	1016CCB.D
DataPath	d:\DATA\050212.B
Acq Date Time	2012-05-02T16:35:50-06:00
Type	6-CCB
VialNumber	1307
Dilution	1
Comment	
Operator	LMT
ISTDRefDataFileName	098CALB.D
SamplePassFail	Fail
ISTD PassFail	Pass

QC Analyte Table

Element	m/z	ISTD	Tune Step	Meas Value	%RSD	Units	CPS	CPS %RSD	QC High	QC Flag
Be	9	6	1	0.01	107.37	ppb	11.67	65.47	1	
Na	23	45	2	-115.19	-17.38	ppb	86971.87	1.44	20	
Mg	24	45	2	-0.87	-123.19	ppb	640.07	21.88	20	
Al	27	45	2	-1.64	-68.60	ppb	46.67	49.49	20	
K	39	45	2	10.28	91.57	ppb	2840.52	10.93	20	
Ca	44	45	2	-40.03	-19.04	ppb	40.00	50.00	20	
V	51	72	2	-0.06	-176.74	ppb	-19.04	-917.68	1	
Cr	52	72	2	0.03	25.44	ppb	253.36	4.56	1	
Mn	55	72	2	-0.04	-135.55	ppb	93.34	44.60	1	
Fe	57	72	2	0.37	279.25	ppb	186.68	22.30	20	
Co	59	72	2	0.01	59.97	ppb	93.34	44.60	1	
Ni	60	72	2	0.06	110.55	ppb	240.02	36.33	1	
Cu	63	72	2	0.04	105.92	ppb	2400.40	7.95	1	
Zn	66	72	2	0.33	67.16	ppb	386.70	16.63	5	
As	75	72	2	0.11	252.34	ppb	36.67	125.97	5	
Se	78	72	1	0.05	8.65	ppb	74.67	6.19	5	
Nb	93	72	2	0.90	5.13	ppb	4894.41	6.65	5	
Mo	95	115	2	0.09	33.75	ppb	153.35	27.15	1	
Pd	105	115	2	0.07	74.00	ppb	226.69	66.23	1	
Ag	107	115	2	0.01	61.96	ppb	200.02	26.46	1	
Cd	111	115	2	0.06	98.80	ppb	53.34	78.07	1	
Sn	120	115	2	0.01	736.77	ppb	306.70	35.92	5	
Sb	121	115	2	0.21	44.46	ppb	213.36	37.89	0.2	6-CCB Main Failed
Ba	137	115	2	0.04	173.21	ppb	13.33	173.21	1	
W	182	165	2	0.08	41.72	ppb	1793.60	17.29	1	
Pt	195	165	2	0.02	70.08	ppb	260.03	40.70	1	
Tl	205	165	2	0.03	80.39	ppb	426.71	59.36	1	
Pb	208	165	2	0.03	43.61	ppb	1593.54	8.17	1	
Th	232	165	2	0.08	19.14	ppb	1466.89	11.91	1	
U	238	165	2	0.04	7.64	ppb	626.74	6.64	1	

QC ISTD Table

Element	m/z	Tune Step	CPS	%RSD	Ref CPS	%Rec	QC Low	QC High	QC Flag
Li6	6	1	2232347	0.63	2424211	92.1	60	125	
Sc (IS)	45	2	1246107	7.50	1378306	90.4	60	125	
Ge (IS)	72	1	29759075	0.93	32235649	92.3	60	125	
Ge (IS)	72	2	1675983	3.99	1820299	92.1	60	125	
115In	115	2	4443719	3.59	4682921	94.9	60	125	
Ho-165	165	2	25769484	4.86	26948784	95.6	60	125	

TuneStep	TuneFile
1	h2_hmi.u
2	he_hmi.u

Sample Report

Sample Name	280-28286-B-2-B
Data File Name	102SMPL.D
DataPath	d:\DATA\050212.B
Acq Date Time	2012-05-02T16:38:47-06:00
Type	Sample
VialNumber	2406
Dilution	1
Comment	117485 6020
Operator	LMT
ISTDRefDataFileName	098CALB.D
SamplePassFail	Pass
ISTD PassFail	Pass

QC Analyte Table

Element	m/z	ISTD	Tune Step	Meas Value	FinalConc	%RSD	Units	CPS	CPS %RSD	High Value	QC Flag
Be	9	6	1	0.04	0.04	33.38	ppb	21.67	26.65	3600	
Na	23	45	2	549515.72	549515.72	3.69	ppb	159779080.95	1.35	1800000	
Mg	24	45	2	39016.79	39016.79	3.88	ppb	4742550.14	1.52	450000	
Al	27	45	2	120.53	120.53	11.54	ppb	2653.76	8.93	450000	
K	39	45	2	18576.71	18576.71	2.14	ppb	919922.44	0.66	180000	
Ca	44	45	2	226520.91	226520.91	3.12	ppb	624136.30	1.33	450000	
V	51	72	2	0.24	0.24	105.24	ppb	386.67	87.15	3600	
Cr	52	72	2	0.41	0.41	24.54	ppb	940.11	19.50	3600	
Mn	55	72	2	844.96	844.96	0.82	ppb	508879.64	1.56	3600	
Fe	57	72	2	447.98	447.98	6.15	ppb	17149.50	6.50	90000	
Co	59	72	2	1.69	1.69	11.76	ppb	6688.53	11.23	3600	
Ni	60	72	2	8.82	8.82	2.93	ppb	10290.68	2.77	3600	
Cu	63	72	2	1.38	1.38	8.31	ppb	6621.93	6.02	3600	
Zn	66	72	2	7.31	7.31	12.33	ppb	2467.05	11.39	3600	
As	75	72	2	1.42	1.42	20.39	ppb	226.68	18.37	3600	
Se	78	72	1	0.15	0.15	7.47	ppb	122.67	4.98	3600	
Nb	93	72	2	0.58	0.58	7.50	ppb	2767.15	7.13	7200	
Mo	95	115	2	1.67	1.67	15.23	ppb	2207.01	15.20	3600	
Pd	105	115	2	0.05	0.05	38.58	ppb	146.68	34.32	3600	
Ag	107	115	2	0.00	0.00	2243.76	ppb	93.34	53.93	900	
Cd	111	115	2	0.18	0.18	11.97	ppb	106.68	10.82	3600	
Sn	120	115	2	-0.01	-0.01	-520.45	ppb	233.35	30.10	3600	
Sb	121	115	2	0.20	0.20	92.48	ppb	173.36	81.05	3600	
Ba	137	115	2	177.34	177.34	4.52	ppb	46479.53	4.42	3600	
W	182	165	2	0.03	0.03	91.74	ppb	1266.83	16.43	3600	
Pt	195	165	2	0.00	0.00	-744.66	ppb	86.68	13.32	3600	
Tl	205	165	2	0.02	0.02	37.75	ppb	340.05	25.64	3600	
Pb	208	165	2	0.32	0.32	10.38	ppb	4834.10	8.50	3600	
Th	232	165	2	0.47	0.47	13.70	ppb	5654.93	12.24	3600	
U	238	165	2	1.25	1.25	4.27	ppb	17591.38	4.29	3600	

QC ISTD Table

Element	m/z	Tune Step	CPS	%RSD	Ref CPS	%Rec	Lower Limit	Upper Limit	QC Flag
Li6	6	1	1794511	1.72	2424211	74.0	60	125	
Sc (IS)	45	2	1173392	2.44	1378306	85.1	60	125	
Ge (IS)	72	1	21117647	1.53	32235649	65.5	60	125	
Ge (IS)	72	2	1408949	0.90	1820299	77.4	60	125	
115In	115	2	3765246	0.10	4682921	80.4	60	125	
Ho-165	165	2	22411704	0.77	26948784	83.2	60	125	

TuneStep	TuneFile	TuneDate
1	h2_hmi.u	5/2/2012 4:37:00 PM
2	he_hmi.u	5/2/2012 4:37:00 PM

Sample Report

Sample Name	280-28286-B-3-B
Data File Name	103SMPL.D
DataPath	d:\DATA\050212.B
Acq Date Time	2012-05-02T16:41:45-06:00
Type	Sample
VialNumber	2407
Dilution	1
Comment	117485 6020
Operator	LMT
ISTDRefDataFileName	098CALB.D
SamplePassFail	Fail
ISTD PassFail	Pass

QC Analyte Table

Element	m/z	ISTD	Tune Step	Meas Value	FinalConc	%RSD	Units	CPS	CPS%RSD	High Value	QC Flag
Be	9	6	1	0.06	0.06	73.18	ppb	30.00	66.67	3600	
Na	23	45	2	1893680.11	1893680.11	1.27	ppb	491206512.68	1.06	1800000	Sample Main Failed
Mg	24	45	2	47610.45	47610.45	1.54	ppb	5165470.44	1.49	450000	
Al	27	45	2	63.86	63.86	26.76	ppb	1286.87	23.59	450000	
K	39	45	2	11222.71	11222.71	0.69	ppb	496827.58	2.88	180000	
Ca	44	45	2	194449.22	194449.22	0.45	ppb	478227.21	1.90	450000	
V	51	72	2	1.15	1.15	43.83	ppb	1315.57	41.59	3600	
Cr	52	72	2	0.47	0.47	35.03	ppb	880.11	30.75	3600	
Mn	55	72	2	184.41	184.41	2.36	ppb	92410.33	1.68	3600	
Fe	57	72	2	856.68	856.68	5.64	ppb	27175.92	7.11	90000	
Co	59	72	2	0.56	0.56	12.18	ppb	1846.95	10.85	3600	
Ni	60	72	2	3.35	3.35	7.29	ppb	3320.68	6.35	3600	
Cu	63	72	2	1.79	1.79	2.45	ppb	6668.39	1.05	3600	
Zn	66	72	2	22.91	22.91	6.39	ppb	6028.18	7.04	3600	
As	75	72	2	0.70	0.70	44.05	ppb	100.00	40.00	3600	
Se	78	72	1	0.21	0.21	23.94	ppb	130.67	18.70	3600	
Nb	93	72	2	0.39	0.39	5.84	ppb	1646.90	2.81	7200	
Mo	95	115	2	0.97	0.97	16.57	ppb	1046.79	16.25	3600	
Pd	105	115	2	0.09	0.09	46.60	ppb	200.02	43.59	3600	
Ag	107	115	2	0.00	0.00	446.21	ppb	86.67	66.62	900	
Cd	111	115	2	0.09	0.09	131.75	ppb	46.67	107.86	3600	
Sn	120	115	2	-0.01	-0.01	-643.63	ppb	186.68	43.30	3600	
Sb	121	115	2	0.46	0.46	64.75	ppb	293.37	58.79	3600	
Ba	137	115	2	755.35	755.35	1.77	ppb	161408.28	3.80	3600	
W	182	165	2	0.15	0.15	51.75	ppb	1586.88	23.59	3600	
Pt	195	165	2	0.00	0.00	-1607.63	ppb	66.67	69.29	3600	
Tl	205	165	2	0.01	0.01	127.30	ppb	200.02	69.28	3600	
Pb	208	165	2	0.60	0.60	8.85	ppb	6521.17	8.34	3600	
Th	232	165	2	0.23	0.23	14.77	ppb	2307.07	14.75	3600	
U	238	165	2	0.33	0.33	9.53	ppb	3754.16	7.56	3600	

QC ISTD Table

Element	m/z	Tune Step	CPS	%RSD	Ref CPS	%Rec	Lower Limit	Upper Limit	QC Flag
Li6	6	1	1607429	2.13	2424211	66.3	60	125	
Sc (IS)	45	2	1046904	2.27	1378306	76.0	60	125	
Ge (IS)	72	1	17183128	3.66	32235649	53.3	60	125	IS Main Failed
Ge (IS)	72	2	1171818	2.02	1820299	64.4	60	125	
115In	115	2	3069081	2.31	4682921	65.5	60	125	
Ho-165	165	2	17822880	1.84	26948784	66.1	60	125	

TuneStep	TuneFile	TuneDate
1	h2_hmi.u	5/2/2012 4:40:00 PM
2	he_hmi.u	5/2/2012 4:40:00 PM

Sample Report

Sample Name	280-28286-B-1-B@2
Data File Name	104SMPL.D
DataPath	d:\DATA\050212.B
Acq Date Time	2012-05-02T16:44:46-06:00
Type	Sample
VialNumber	2504
Dilution	1
Comment	117485 6020
Operator	LMT
ISTDRefDataFileName	098CALB.D
SamplePassFail	Fail
ISTD PassFail	Pass

QC Analyte Table

Element	m/z	ISTD	Tune Step	Meas Value	FinalConc	%RSD	Units	CPS	CPS %RSD	High Value	QC Flag
Be	9	6	1	0.02	0.02	71.89	ppb	11.67	49.49	3600	
Na	23	45	2	1511655.18	1511655.18	0.83	ppb	429319446.94	2.65	1800000	
Mg	24	45	2	43552.89	43552.89	1.57	ppb	5173309.92	2.90	450000	
Al	27	45	2	18.55	18.55	19.21	ppb	466.71	17.84	450000	
K	39	45	2	6057.73	6057.73	0.27	ppb	294468.98	1.56	180000	
Ca	44	45	2	136384.32	136384.32	1.65	ppb	367259.72	3.42	450000	
V	51	72	2	0.25	0.25	43.31	ppb	364.79	36.92	3600	
Cr	52	72	2	0.11	0.11	49.11	ppb	346.70	28.46	3600	
Mn	55	72	2	123.19	123.19	2.66	ppb	68779.53	3.58	3600	
Fe	57	72	2	654.02	654.02	2.04	ppb	23116.57	2.50	90000	
Co	59	72	2	1.52	1.52	4.29	ppb	5587.97	5.66	3600	
Ni	60	72	2	2.27	2.27	0.29	ppb	2540.42	2.08	3600	
Cu	63	72	2	1.14	1.14	6.21	ppb	5361.22	3.36	3600	
Zn	66	72	2	1.50	1.50	54.61	ppb	633.41	34.64	3600	
As	75	72	2	1.10	1.10	10.04	ppb	166.68	9.16	3600	
Se	78	72	1	0.24	0.24	2.26	ppb	164.00	2.44	3600	
Nb	93	72	2	0.08	0.08	44.21	ppb	626.74	19.50	7200	
Mo	95	115	2	1.02	1.02	18.15	ppb	1206.83	19.63	3600	
Pd	105	115	2	0.07	0.07	100.78	ppb	173.35	93.98	3600	
Ag	107	115	2	-0.01	-0.01	-145.45	ppb	46.67	107.86	900	
Cd	111	115	2	0.11	0.11	103.32	ppb	60.00	88.20	3600	
Sn	120	115	2	0.03	0.03	233.73	ppb	246.69	26.06	3600	
Sb	121	115	2	0.11	0.11	110.75	ppb	93.34	86.60	3600	
Ba	137	115	2	18.62	18.62	2.23	ppb	4334.26	0.27	3600	
W	182	165	2	-0.01	-0.01	-278.10	ppb	840.09	23.81	3600	
Pt	195	165	2	-0.01	-0.01	-139.39	ppb	46.67	89.21	3600	
Tl	205	165	2	0.00	0.00	196.44	ppb	133.34	45.83	3600	
Pb	208	165	2	0.06	0.06	20.68	ppb	1506.84	10.65	3600	
Th	232	165	2	0.02	0.02	121.34	ppb	433.38	39.79	3600	
U	238	165	2	3.10	3.10	1.87	ppb	37694.86	2.25	3600	

QC ISTD Table

Element	m/z	Tune Step	CPS	%RSD	Ref CPS	%Rec	Lower Limit	Upper Limit	QC Flag
Li6	6	1	1816213	1.62	2424211	74.9	60	125	
Sc (IS)	45	2	1145853	1.82	1378306	83.1	60	125	
Ge (IS)	72	1	19243406	1.19	32235649	59.7	60	125	IS Main Failed
Ge (IS)	72	2	1304534	1.85	1820299	71.7	60	125	
115In	115	2	3345309	2.00	4682921	71.4	60	125	
Ho-165	165	2	19487502	2.40	26948784	72.3	60	125	

TuneStep	TuneFile	TuneDate
1	h2_hmi.u	5/2/2012 4:43:00 PM
2	he_hmi.u	5/2/2012 4:43:00 PM

Sample Report

Sample Name	280-28286-B-4-B@5
Data File Name	105SMPL.D
DataPath	d:\DATA\050212.B
Acq Date Time	2012-05-02T16:47:45-06:00
Type	Sample
VialNumber	2505
Dilution	1
Comment	117485 6020
Operator	LMT
ISTDRefDataFileName	098CALB.D
SamplePassFail	Pass
ISTD PassFail	Pass

QC Analyte Table

Element	m/z	ISTD	Tune Step	Meas Value	FinalConc	%RSD	Units	CPS	CPS %RSD	High Value	QC Flag
Be	9	6	1	0.00	0.00	340.88	ppb	6.67	114.56	3600	
Na	23	45	2	719753.09	719753.09	0.20	ppb	230424416.57	1.91	1800000	
Mg	24	45	2	22211.03	22211.03	0.51	ppb	2973631.00	2.23	450000	
Al	27	45	2	5.61	5.61	55.98	ppb	220.02	32.78	450000	
K	39	45	2	2585.07	2585.07	0.79	ppb	143000.47	1.53	180000	
Ca	44	45	2	75180.81	75180.81	0.75	ppb	228185.50	1.66	450000	
V	51	72	2	0.06	0.06	140.78	ppb	158.11	78.35	3600	
Cr	52	72	2	0.12	0.12	23.23	ppb	420.05	12.60	3600	
Mn	55	72	2	41.23	41.23	4.20	ppb	27008.55	3.55	3600	
Fe	57	72	2	73.72	73.72	5.86	ppb	3187.22	4.71	90000	
Co	59	72	2	0.20	0.20	14.07	ppb	873.42	12.61	3600	
Ni	60	72	2	0.47	0.47	31.67	ppb	726.76	26.16	3600	
Cu	63	72	2	0.96	0.96	6.55	ppb	5587.96	5.02	3600	
Zn	66	72	2	0.87	0.87	58.88	ppb	533.40	32.33	3600	
As	75	72	2	-0.02	-0.02	-442.92	ppb	13.33	114.56	3600	
Se	78	72	1	0.05	0.05	77.05	ppb	60.00	52.07	3600	
Nb	93	72	2	0.04	0.04	80.28	ppb	553.39	25.64	7200	
Mo	95	115	2	0.19	0.19	10.04	ppb	273.36	8.45	3600	
Pd	105	115	2	0.03	0.03	91.29	ppb	86.68	74.18	3600	
Ag	107	115	2	-0.01	-0.01	-58.63	ppb	53.34	43.31	900	
Cd	111	115	2	0.09	0.09	40.35	ppb	60.01	33.34	3600	
Sn	120	115	2	0.14	0.14	102.89	ppb	413.38	41.15	3600	
Sb	121	115	2	0.19	0.19	20.41	ppb	166.68	18.33	3600	
Ba	137	115	2	37.38	37.38	6.56	ppb	9957.14	7.18	3600	
W	182	165	2	0.01	0.01	202.62	ppb	1093.48	7.39	3600	
Pt	195	165	2	-0.01	-0.01	-30.28	ppb	13.33	173.21	3600	
Tl	205	165	2	0.01	0.01	110.54	ppb	193.35	43.07	3600	
Pb	208	165	2	0.04	0.04	47.41	ppb	1526.84	16.01	3600	
Th	232	165	2	0.00	0.00	-8843.36	ppb	326.70	23.18	3600	
U	238	165	2	0.14	0.14	9.03	ppb	1966.98	7.22	3600	

QC ISTD Table

Element	m/z	Tune Step	CPS	%RSD	Ref CPS	%Rec	Lower Limit	Upper Limit	QC Flag
Li6	6	1	2147217	1.26	2424211	88.6	60	125	
Sc (IS)	45	2	1291380	1.72	1378306	93.7	60	125	
Ge (IS)	72	1	24519259	0.62	32235649	76.1	60	125	
Ge (IS)	72	2	1526974	1.04	1820299	83.9	60	125	
115In	115	2	3825636	1.01	4682921	81.7	60	125	
Ho-165	165	2	22475894	1.57	26948784	83.4	60	125	

TuneStep	TuneFile	TuneDate
1	h2_hmi.u	5/2/2012 4:46:00 PM
2	he_hmi.u	5/2/2012 4:46:00 PM

Continuing Calibration Verification (CCV) - US EPA Method 6020

Sample Name	ccv-1394868
Data File Name	1066CCV.D
DataPath	d:\DATA\050212.B
Acq Date Time	2012-05-02T16:50:44-06:00
Type	6-CCV
VialNumber	1107
Dilution	1
Comment	
Operator	LMT
ISTDRefDataFileName	098CALB.D
SamplePassFail	Fail
ISTD PassFail	Pass

QC Analyte Table

Element	m/z	ISTD	Tune Step	Meas Value	%RSD	Units	CPS	CPS%RSD	Exp Value	%Rec	QC Low	QC High	QC Flag
Be	9	6	1	52.13	4.54	ppb	36546.80	1.99	50	104.3	90	110	
Na	23	45	2	5530.15	5.67	ppb	2008683.04	1.73	5000	110.6	90	110	6-CCV Main Failed
Mg	24	45	2	5078.21	3.99	ppb	720847.38	0.81	5000	101.6	90	110	
Al	27	45	2	5076.14	3.64	ppb	126711.28	1.14	5000	101.5	90	110	
K	39	45	2	5065.28	2.62	ppb	294519.67	1.78	5000	101.3	90	110	
Ca	44	45	2	4950.54	10.05	ppb	16055.02	6.22	5000	99.0	90	110	
V	51	72	2	52.64	4.50	ppb	87580.08	3.28	50	105.3	90	110	
Cr	52	72	2	53.25	2.42	ppb	128191.27	1.03	50	106.5	90	110	
Mn	55	72	2	53.38	2.84	ppb	40494.56	1.96	50	106.8	90	110	
Fe	57	72	2	5224.54	1.79	ppb	249222.46	1.26	5000	104.5	90	110	
Co	59	72	2	53.68	1.31	ppb	266513.78	0.97	50	107.4	90	110	
Ni	60	72	2	54.34	4.92	ppb	78788.35	3.66	50	108.7	90	110	
Cu	63	72	2	54.37	1.51	ppb	236321.30	0.77	50	108.7	90	110	
Zn	66	72	2	54.41	4.20	ppb	21214.15	2.78	50	108.8	90	110	
As	75	72	2	53.30	1.12	ppb	10013.13	0.35	50	106.6	90	110	
Se	78	72	1	54.61	4.59	ppb	55383.73	1.67	50	109.2	90	110	
Nb	93	72	2	102.70	2.34	ppb	536998.71	1.12	100	102.7	90	110	
Mo	95	115	2	53.66	2.25	ppb	83568.27	1.34	50	107.3	90	110	
Pd	105	115	2	52.32	1.38	ppb	154914.06	1.95	50	104.6	90	110	
Ag	107	115	2	53.73	2.08	ppb	354639.52	1.25	50	107.5	90	110	
Cd	111	115	2	54.53	1.54	ppb	33709.00	1.51	50	109.1	90	110	
Sn	120	115	2	52.64	1.60	ppb	72201.38	0.84	50	105.3	90	110	
Sb	121	115	2	51.53	1.68	ppb	45562.59	0.90	50	103.1	90	110	
Ba	137	115	2	49.85	8.42	ppb	15508.43	7.69	50	99.7	90	110	
W	182	165	2	53.25	1.46	ppb	405664.28	0.88	50	106.5	90	110	
Pt	195	165	2	54.12	1.24	ppb	372659.37	0.56	50	108.2	90	110	
Tl	205	165	2	52.95	1.18	ppb	598556.34	0.79	50	105.9	90	110	
Pb	208	165	2	52.98	2.52	ppb	749965.32	1.89	50	106.0	90	110	
Th	232	165	2	51.65	2.86	ppb	685001.58	2.18	50	103.3	90	110	
U	238	165	2	52.45	2.04	ppb	860154.99	1.53	50	104.9	90	110	

QC ISTD Table

Element	m/z	Tune Step	CPS	%RSD	Ref CPS	%Rec	QC Low	QC High	QC Flag
Li6	6	1	2468907	2.82	2424211	101.8	60	125	
Sc (IS)	45	2	1369473	3.95	1378306	99.4	60	125	
Ge (IS)	72	1	31115808	3.03	32235649	96.5	60	125	
Ge (IS)	72	2	1769669	1.42	1820299	97.2	60	125	
115In	115	2	4471241	0.93	4682921	95.5	60	125	
Ho-165	165	2	26275912	0.68	26948784	97.5	60	125	

TuneStep	TuneFile
1	h2_hmi.u
2	he_hmi.u

Continuing Calibration Blank (CCB) - US EPA Method 6020

Sample Name	ccb-1394903
Data File Name	1076CCB.D
DataPath	d:\DATA\050212.B
Acq Date Time	2012-05-02T16:53:43-06:00
Type	6-CCB
VialNumber	1307
Dilution	1
Comment	
Operator	LMT
ISTDRefDataFileName	098CALB.D
SamplePassFail	Pass
ISTD PassFail	Pass

QC Analyte Table

Element	m/z	ISTD	Tune Step	Meas Value	%RSD	Units	CPS	CPS %RSD	QC High	QC Flag
Be	9	6	1	0.01	20.79	ppb	13.33	21.65	1	
Na	23	45	2	-9.33	-26.79	ppb	130011.24	0.22	20	
Mg	24	45	2	-0.54	-111.50	ppb	740.07	11.78	20	
Al	27	45	2	-1.59	-107.15	ppb	53.34	78.07	20	
K	39	45	2	0.27	1517.42	ppb	2533.74	8.66	20	
Ca	44	45	2	-28.78	-58.31	ppb	80.01	66.14	20	
V	51	72	2	-0.05	-108.82	ppb	1.48	5939.92	1	
Cr	52	72	2	0.03	91.88	ppb	266.69	22.91	1	
Mn	55	72	2	0.18	32.96	ppb	266.70	17.32	1	
Fe	57	72	2	1.35	94.24	ppb	246.69	24.77	20	
Co	59	72	2	0.00	144.18	ppb	40.00	50.01	1	
Ni	60	72	2	0.07	115.83	ppb	273.36	47.04	1	
Cu	63	72	2	-0.05	-171.98	ppb	2140.31	17.00	1	
Zn	66	72	2	0.21	71.03	ppb	366.71	16.66	5	
As	75	72	2	-0.05	-104.85	ppb	10.00	100.00	5	
Se	78	72	1	0.02	75.15	ppb	46.67	27.55	5	
Nb	93	72	2	0.79	17.46	ppb	4594.31	16.73	5	
Mo	95	115	2	0.03	119.51	ppb	73.34	87.67	1	
Pd	105	115	2	0.05	13.39	ppb	180.02	11.11	1	
Ag	107	115	2	-0.01	-81.06	ppb	73.34	41.66	1	
Cd	111	115	2	0.18	36.32	ppb	126.68	32.87	1	
Sn	120	115	2	0.06	175.90	ppb	380.04	36.84	5	
Sb	121	115	2	0.13	74.00	ppb	146.68	61.49	0.2	
Ba	137	115	2	0.06	173.21	ppb	20.00	173.21	1	
W	182	165	2	0.04	47.72	ppb	1520.21	8.22	1	
Pt	195	165	2	0.01	93.26	ppb	180.02	38.49	1	
Tl	205	165	2	0.01	7.30	ppb	293.37	3.93	1	
Pb	208	165	2	0.01	26.26	ppb	1386.81	3.63	1	
Th	232	165	2	0.10	16.80	ppb	1673.60	12.78	1	
U	238	165	2	0.02	33.77	ppb	426.71	28.64	1	

QC ISTD Table

Element	m/z	Tune Step	CPS	%RSD	Ref CPS	%Rec	QC Low	QC High	QC Flag
Li6	6	1	2584168	10.82	2424211	106.6	60	125	
Sc (IS)	45	2	1350571	0.68	1378306	98.0	60	125	
Ge (IS)	72	1	33698828	10.29	32235649	104.5	60	125	
Ge (IS)	72	2	1781096	1.27	1820299	97.8	60	125	
115In	115	2	4569564	0.85	4682921	97.6	60	125	
Ho-165	165	2	26639220	0.54	26948784	98.9	60	125	

TuneStep	TuneFile
1	h2_hmi.u
2	he_hmi.u

Sample Report

Sample Name	280-28286-B-5-B@10
Data File Name	108SMPL.D
DataPath	d:\DATA\050212.B
Acq Date Time	2012-05-02T16:56:41-06:00
Type	Sample
VialNumber	2506
Dilution	1
Comment	117485 6020
Operator	LMT
ISTDRefDataFileName	098CALB.D
SamplePassFail	Fail
ISTD PassFail	Pass

QC Analyte Table

Element	m/z	ISTD	Tune Step	Meas Value	FinalConc	%RSD	Units	CPS	CPS%RSD	High Value	QC Flag
Be	9	6	1	0.00	0.00	-1202.43	ppb	3.33	86.60	3600	
Na	23	45	2	1675324.79	1675324.79	0.27	ppb	458008286.51	1.30	1800000	
Mg	24	45	2	94407.10	94407.10	1.03	ppb	10793652.34	1.20	450000	
Al	27	45	2	177.34	177.34	16.37	ppb	3641.00	15.90	450000	
K	39	45	2	5318.54	5318.54	1.76	ppb	249161.66	2.27	180000	
Ca	44	45	2	290687.22	290687.22	0.31	ppb	753318.53	1.68	450000	
V	51	72	2	0.35	0.35	82.92	ppb	471.08	74.41	3600	
Cr	52	72	2	1.91	1.91	14.70	ppb	3353.94	15.74	3600	
Mn	55	72	2	222.80	222.80	2.45	ppb	117841.73	1.30	3600	
Fe	57	72	2	2164.49	2164.49	3.74	ppb	72240.33	3.16	90000	
Co	59	72	2	0.80	0.80	7.22	ppb	2800.47	5.58	3600	
Ni	60	72	2	1.92	1.92	6.19	ppb	2053.66	7.38	3600	
Cu	63	72	2	1.20	1.20	3.49	ppb	5254.55	3.89	3600	
Zn	66	72	2	2.04	2.04	21.03	ppb	746.74	16.15	3600	
As	75	72	2	0.51	0.51	41.58	ppb	80.00	33.08	3600	
Se	78	72	1	0.13	0.13	4.78	ppb	90.67	5.09	3600	
Nb	93	72	2	0.34	0.34	25.44	ppb	1540.22	21.70	7200	
Mo	95	115	2	0.58	0.58	32.81	ppb	653.41	30.05	3600	
Pd	105	115	2	0.12	0.12	34.15	ppb	266.69	31.22	3600	
Ag	107	115	2	0.00	0.00	-1274.17	ppb	73.34	41.66	900	
Cd	111	115	2	0.04	0.04	61.57	ppb	26.67	43.30	3600	
Sn	120	115	2	0.12	0.12	101.71	ppb	320.04	34.80	3600	
Sb	121	115	2	0.14	0.14	47.51	ppb	106.67	39.03	3600	
Ba	137	115	2	35.80	35.80	9.46	ppb	7849.22	6.93	3600	
W	182	165	2	0.00	0.00	-731.11	ppb	840.11	19.49	3600	
Pt	195	165	2	0.00	0.00	713.40	ppb	80.01	66.15	3600	
Tl	205	165	2	0.01	0.01	101.74	ppb	193.35	52.07	3600	
Pb	208	165	2	0.76	0.76	13.70	ppb	8354.90	13.10	3600	
Th	232	165	2	0.13	0.13	16.96	ppb	1486.89	13.21	3600	
U	238	165	2	0.28	0.28	8.03	ppb	3294.05	8.53	3600	

QC ISTD Table

Element	m/z	Tune Step	CPS	%RSD	Ref CPS	%Rec	Lower Limit	Upper Limit	QC Flag
Li6	6	1	1718386	1.30	2424211	70.9	60	125	
Sc (IS)	45	2	1103152	1.41	1378306	80.0	60	125	
Ge (IS)	72	1	18201537	1.13	32235649	56.5	60	125	IS Main Failed
Ge (IS)	72	2	1237038	1.84	1820299	68.0	60	125	
115In	115	2	3155416	2.70	4682921	67.4	60	125	
Ho-165	165	2	18384931	0.77	26948784	68.2	60	125	

TuneStep	TuneFile	TuneDate
1	h2_hmi.u	5/2/2012 4:55:00 PM
2	he_hmi.u	5/2/2012 4:55:00 PM

Sample Report

Sample Name	280-28201-C-1-B
Data File Name	109SMPL.D
DataPath	d:\DATA\050212.B
Acq Date Time	2012-05-02T16:59:44-06:00
Type	Sample
VialNumber	2211
Dilution	1
Comment	117485 6020
Operator	LMT
ISTDRefDataFileName	098CALB.D
SamplePassFail	Pass
ISTD PassFail	Pass

QC Analyte Table

Element	m/z	ISTD	Tune Step	Meas Value	FinalConc	%RSD	Units	CPS	CPS %RSD	High Value	QC Flag
Be	9	6	1	0.00	0.00	-338.75	ppb	3.33	173.21	3600	
Na	23	45	2	396.48	396.48	4.36	ppb	256205.50	1.96	1800000	
Mg	24	45	2	21.33	21.33	13.79	ppb	3667.39	12.10	450000	
Al	27	45	2	-2.34	-2.34	-55.62	ppb	33.33	91.65	450000	
K	39	45	2	-4.25	-4.25	-189.40	ppb	2193.64	19.65	180000	
Ca	44	45	2	109.75	109.75	34.41	ppb	500.06	22.27	450000	
V	51	72	2	-0.01	-0.01	-890.22	ppb	68.69	135.74	3600	
Cr	52	72	2	0.10	0.10	22.38	ppb	433.38	10.66	3600	
Mn	55	72	2	0.25	0.25	19.52	ppb	313.36	13.29	3600	
Fe	57	72	2	25.01	25.01	16.10	ppb	1346.84	14.65	90000	
Co	59	72	2	0.01	0.01	62.70	ppb	93.34	44.61	3600	
Ni	60	72	2	0.05	0.05	188.68	ppb	226.69	56.04	3600	
Cu	63	72	2	0.26	0.26	31.96	ppb	3400.62	10.61	3600	
Zn	66	72	2	0.49	0.49	146.97	ppb	466.72	60.21	3600	
As	75	72	2	-0.05	-0.05	-190.47	ppb	10.00	173.21	3600	
Se	78	72	1	0.03	0.03	50.41	ppb	52.00	27.74	3600	
Nb	93	72	2	0.21	0.21	32.47	ppb	1506.87	24.92	7200	
Mo	95	115	2	0.01	0.01	97.57	ppb	40.00	50.01	3600	
Pd	105	115	2	0.01	0.01	134.15	ppb	53.34	86.60	3600	
Ag	107	115	2	-0.01	-0.01	-84.84	ppb	46.67	107.86	900	
Cd	111	115	2	0.08	0.08	84.91	ppb	60.01	66.67	3600	
Sn	120	115	2	-0.05	-0.05	-95.47	ppb	226.69	25.47	3600	
Sb	121	115	2	0.02	0.02	145.32	ppb	46.67	65.47	3600	
Ba	137	115	2	0.11	0.11	173.21	ppb	33.34	173.21	3600	
W	182	165	2	-0.02	-0.02	-99.00	ppb	1046.80	15.45	3600	
Pt	195	165	2	0.00	0.00	-140.56	ppb	93.34	12.37	3600	
Tl	205	165	2	0.00	0.00	73.91	ppb	180.01	19.25	3600	
Pb	208	165	2	0.26	0.26	12.29	ppb	4767.42	9.22	3600	
Th	232	165	2	0.23	0.23	12.69	ppb	3400.70	11.90	3600	
U	238	165	2	0.01	0.01	103.92	ppb	153.35	65.65	3600	

QC ISTD Table

Element	m/z	Tune Step	CPS	%RSD	Ref CPS	%Rec	Lower Limit	Upper Limit	QC Flag
Li6	6	1	2434541	0.36	2424211	100.4	60	125	
Sc (IS)	45	2	1301888	1.26	1378306	94.5	60	125	
Ge (IS)	72	1	30724500	0.51	32235649	95.3	60	125	
Ge (IS)	72	2	1734960	1.68	1820299	95.3	60	125	
115In	115	2	4441475	1.76	4682921	94.8	60	125	
Ho-165	165	2	25869251	0.66	26948784	96.0	60	125	

TuneStep	TuneFile	TuneDate
1	h2_hmi.u	5/2/2012 4:58:00 PM
2	he_hmi.u	5/2/2012 4:58:00 PM

Sample Report

Sample Name	280-28201-C-2-B
Data File Name	110SMPL.D
DataPath	d:\DATA\050212.B
Acq Date Time	2012-05-02T17:02:43-06:00
Type	Sample
VialNumber	2212
Dilution	1
Comment	117485 6020
Operator	LMT
ISTDRefDataFileName	098CALB.D
SamplePassFail	Pass
ISTD PassFail	Pass

QC Analyte Table

Element	m/z	ISTD	Tune Step	Meas Value	FinalConc	%RSD	Units	CPS	CPS%RSD	High Value	QC Flag
Be	9	6	1	0.00	0.00	-449.70	ppb	3.33	173.21	3600	
Na	23	45	2	3945.07	3945.07	0.32	ppb	1385715.03	0.81	1800000	
Mg	24	45	2	2885.59	2885.59	0.98	ppb	385891.10	0.30	450000	
Al	27	45	2	17.54	17.54	31.94	ppb	500.06	26.23	450000	
K	39	45	2	1484.91	1484.91	0.35	ppb	82943.49	1.41	180000	
Ca	44	45	2	106843.84	106843.84	1.86	ppb	323363.41	2.70	450000	
V	51	72	2	30.79	30.79	1.12	ppb	48712.87	1.95	3600	
Cr	52	72	2	0.65	0.65	11.07	ppb	1686.90	10.76	3600	
Mn	55	72	2	0.96	0.96	10.34	ppb	813.42	7.51	3600	
Fe	57	72	2	43.75	43.75	12.33	ppb	2153.65	11.83	90000	
Co	59	72	2	0.26	0.26	12.25	ppb	1260.14	13.56	3600	
Ni	60	72	2	1.36	1.36	9.23	ppb	2026.97	9.89	3600	
Cu	63	72	2	2.63	2.63	4.98	ppb	12979.26	5.09	3600	
Zn	66	72	2	3.35	3.35	18.51	ppb	1493.52	14.32	3600	
As	75	72	2	1.75	1.75	48.80	ppb	330.02	45.25	3600	
Se	78	72	1	0.99	0.99	5.82	ppb	964.05	5.61	3600	
Nb	93	72	2	0.15	0.15	57.33	ppb	1193.49	38.23	7200	
Mo	95	115	2	2.97	2.97	8.21	ppb	4514.32	7.76	3600	
Pd	105	115	2	0.01	0.01	284.72	ppb	33.34	124.90	3600	
Ag	107	115	2	-0.01	-0.01	-51.31	ppb	46.67	65.47	900	
Cd	111	115	2	0.09	0.09	129.39	ppb	66.67	105.35	3600	
Sn	120	115	2	0.12	0.12	70.15	ppb	446.72	26.24	3600	
Sb	121	115	2	0.67	0.67	10.09	ppb	600.07	8.82	3600	
Ba	137	115	2	15.35	15.35	19.10	ppb	4641.06	18.49	3600	
W	182	165	2	0.01	0.01	253.41	ppb	1266.82	16.89	3600	
Pt	195	165	2	-0.01	-0.01	-67.24	ppb	40.00	100.00	3600	
Tl	205	165	2	0.24	0.24	10.24	ppb	2753.80	9.81	3600	
Pb	208	165	2	0.08	0.08	26.30	ppb	2206.94	12.96	3600	
Th	232	165	2	0.14	0.14	23.82	ppb	2113.71	19.72	3600	
U	238	165	2	12.66	12.66	0.26	ppb	199362.08	0.33	3600	

QC ISTD Table

Element	m/z	Tune Step	CPS	%RSD	Ref CPS	%Rec	Lower Limit	Upper Limit	QC Flag
Li6	6	1	2248176	1.45	2424211	92.7	60	125	
Sc (IS)	45	2	1287830	1.09	1378306	93.4	60	125	
Ge (IS)	72	1	29064540	0.62	32235649	90.2	60	125	
Ge (IS)	72	2	1681005	1.65	1820299	92.3	60	125	
115In	115	2	4346659	0.92	4682921	92.8	60	125	
Ho-165	165	2	25233302	0.08	26948784	93.6	60	125	

TuneStep	TuneFile	TuneDate
1	h2_hmi.u	5/2/2012 5:01:00 PM
2	he_hmi.u	5/2/2012 5:01:00 PM

Sample Report

Sample Name	280-28201-C-3-B
Data File Name	111SMPL.D
DataPath	d:\DATA\050212.B
Acq Date Time	2012-05-02T17:05:39-06:00
Type	Sample
VialNumber	2301
Dilution	1
Comment	117485 6020
Operator	LMT
ISTDRefDataFileName	098CALB.D
SamplePassFail	Fail
ISTD PassFail	Pass

QC Analyte Table

Element	m/z	ISTD	Tune Step	Meas Value	FinalConc	%RSD	Units	CPS	CPS%RSD	High Value	QC Flag
Be	9	6	1	0.01	0.01	143.72	ppb	10.00	86.60	3600	
Na	23	45	2	37262.52	37262.52	1.37	ppb	10843062.34	0.33	1800000	
Mg	24	45	2	12159.64	12159.64	1.68	ppb	1465226.54	1.68	450000	
Al	27	45	2	56.53	56.53	37.76	ppb	1280.22	36.55	450000	
K	39	45	2	16860.41	16860.41	2.00	ppb	827297.83	0.87	180000	
Ca	44	45	2	559384.28	559384.28	1.18	ppb	1527007.95	1.50	450000	Sample Main Failed
V	51	72	2	12.35	12.35	9.58	ppb	16619.41	9.82	3600	
Cr	52	72	2	1.34	1.34	17.62	ppb	2753.79	16.78	3600	
Mn	55	72	2	82.34	82.34	3.40	ppb	50286.57	3.62	3600	
Fe	57	72	2	307.33	307.33	6.20	ppb	11951.68	5.98	90000	
Co	59	72	2	2.82	2.82	3.80	ppb	11324.55	4.51	3600	
Ni	60	72	2	17.48	17.48	2.76	ppb	20519.56	3.09	3600	
Cu	63	72	2	16.30	16.30	3.33	ppb	58444.34	3.83	3600	
Zn	66	72	2	98.04	98.04	6.86	ppb	30628.57	6.75	3600	
As	75	72	2	3.52	3.52	11.34	ppb	546.70	10.40	3600	
Se	78	72	1	0.85	0.85	6.79	ppb	648.03	6.45	3600	
Nb	93	72	2	0.14	0.14	38.98	ppb	926.78	22.87	7200	
Mo	95	115	2	33.47	33.47	4.97	ppb	44432.58	3.79	3600	
Pd	105	115	2	0.02	0.02	52.42	ppb	73.34	41.66	3600	
Ag	107	115	2	0.01	0.01	178.90	ppb	166.68	79.90	900	
Cd	111	115	2	0.35	0.35	15.58	ppb	193.35	15.80	3600	
Sn	120	115	2	0.12	0.12	18.62	ppb	386.71	7.90	3600	
Sb	121	115	2	12.49	12.49	1.10	ppb	9430.18	1.73	3600	
Ba	137	115	2	76.65	76.65	3.13	ppb	20340.40	3.96	3600	
W	182	165	2	0.27	0.27	16.12	ppb	2827.16	10.02	3600	
Pt	195	165	2	-0.01	-0.01	-132.35	ppb	60.01	66.67	3600	
Tl	205	165	2	0.05	0.05	39.81	ppb	626.73	32.75	3600	
Pb	208	165	2	1.85	1.85	2.43	ppb	23696.13	2.34	3600	
Th	232	165	2	0.09	0.09	5.67	ppb	1326.85	4.61	3600	
U	238	165	2	10.39	10.39	1.80	ppb	148092.95	1.67	3600	

QC ISTD Table

Element	m/z	Tune Step	CPS	%RSD	Ref CPS	%Rec	Lower Limit	Upper Limit	QC Flag
Li6	6	1	1929694	1.02	2424211	79.6	60	125	
Sc (IS)	45	2	1162175	1.20	1378306	84.3	60	125	
Ge (IS)	72	1	22638390	1.45	32235649	70.2	60	125	
Ge (IS)	72	2	1426113	1.26	1820299	78.3	60	125	
115In	115	2	3811707	1.30	4682921	81.4	60	125	
Ho-165	165	2	22824334	0.59	26948784	84.7	60	125	

TuneStep	TuneFile	TuneDate
1	h2_hmi.u	5/2/2012 5:04:00 PM
2	he_hmi.u	5/2/2012 5:04:00 PM

Sample Report

Sample Name	280-28201-C-4-B
Data File Name	112SMPL.D
DataPath	d:\DATA\050212.B
Acq Date Time	2012-05-02T17:08:36-06:00
Type	Sample
VialNumber	2302
Dilution	1
Comment	117485 6020
Operator	LMT
ISTDRefDataFileName	098CALB.D
SamplePassFail	Pass
ISTD PassFail	Pass

QC Analyte Table

Element	m/z	ISTD	Tune Step	Meas Value	FinalConc	%RSD	Units	CPS	CPS %RSD	High Value	QC Flag
Be	9	6	1	0.01	0.01	131.87	ppb	8.33	69.28	3600	
Na	23	45	2	12421.32	12421.32	0.60	ppb	3663025.36	0.37	1800000	
Mg	24	45	2	4270.60	4270.60	0.80	ppb	511180.72	1.57	450000	
Al	27	45	2	6.71	6.71	13.57	ppb	220.03	9.09	450000	
K	39	45	2	11933.15	11933.15	1.63	ppb	581744.80	0.99	180000	
Ca	44	45	2	162789.48	162789.48	1.73	ppb	441148.72	2.51	450000	
V	51	72	2	2.89	2.89	23.30	ppb	4138.45	24.20	3600	
Cr	52	72	2	0.79	0.79	23.89	ppb	1786.92	22.87	3600	
Mn	55	72	2	38.61	38.61	0.81	ppb	24798.78	1.22	3600	
Fe	57	72	2	110.94	110.94	6.37	ppb	4627.65	7.46	90000	
Co	59	72	2	0.10	0.10	10.82	ppb	440.05	9.09	3600	
Ni	60	72	2	1.89	1.89	10.72	ppb	2447.06	9.47	3600	
Cu	63	72	2	0.16	0.16	39.69	ppb	2567.07	7.37	3600	
Zn	66	72	2	1.20	1.20	23.94	ppb	633.40	16.20	3600	
As	75	72	2	5.27	5.27	19.54	ppb	853.39	20.48	3600	
Se	78	72	1	0.10	0.10	65.41	ppb	100.00	52.31	3600	
Nb	93	72	2	0.06	0.06	32.18	ppb	660.07	13.89	7200	
Mo	95	115	2	15.10	15.10	3.24	ppb	21061.11	2.71	3600	
Pd	105	115	2	0.00	0.00	323.54	ppb	26.67	114.57	3600	
Ag	107	115	2	0.00	0.00	-116.39	ppb	86.68	13.32	900	
Cd	111	115	2	0.04	0.04	140.24	ppb	33.34	91.66	3600	
Sn	120	115	2	0.01	0.01	630.14	ppb	280.03	39.77	3600	
Sb	121	115	2	0.22	0.22	85.13	ppb	193.35	74.84	3600	
Ba	137	115	2	25.93	25.93	1.66	ppb	7222.16	1.66	3600	
W	182	165	2	0.33	0.33	24.47	ppb	3480.77	16.30	3600	
Pt	195	165	2	-0.01	-0.01	-57.01	ppb	60.00	33.34	3600	
Tl	205	165	2	0.00	0.00	187.03	ppb	166.68	45.43	3600	
Pb	208	165	2	0.02	0.02	43.06	ppb	1340.15	9.32	3600	
Th	232	165	2	0.04	0.04	47.65	ppb	853.44	27.77	3600	
U	238	165	2	0.29	0.29	9.89	ppb	4507.76	10.13	3600	

QC ISTD Table

Element	m/z	Tune Step	CPS	%RSD	Ref CPS	%Rec	Lower Limit	Upper Limit	QC Flag
Li6	6	1	1945178	1.24	2424211	80.2	60	125	
Sc (IS)	45	2	1153320	0.78	1378306	83.7	60	125	
Ge (IS)	72	1	25071712	0.46	32235649	77.8	60	125	
Ge (IS)	72	2	1496480	1.47	1820299	82.2	60	125	
115In	115	2	4001551	0.69	4682921	85.4	60	125	
Ho-165	165	2	24249550	1.18	26948784	90.0	60	125	

TuneStep	TuneFile	TuneDate
1	h2_hmi.u	5/2/2012 5:07:00 PM
2	he_hmi.u	5/2/2012 5:07:00 PM

Sample Report

Sample Name	280-28201-C-5-B
Data File Name	113SMPL.D
DataPath	d:\DATA\050212.B
Acq Date Time	2012-05-02T17:11:33-06:00
Type	Sample
VialNumber	2303
Dilution	1
Comment	117485 6020
Operator	LMT
ISTDRefDataFileName	098CALB.D
SamplePassFail	Pass
ISTD PassFail	Pass

QC Analyte Table

Element	m/z	ISTD	Tune Step	Meas Value	FinalConc	%RSD	Units	CPS	CPS %RSD	High Value	QC Flag
Be	9	6	1	0.02	0.02	58.65	ppb	16.67	45.83	3600	
Na	23	45	2	13787.92	13787.92	8.25	ppb	4316258.17	3.04	1800000	
Mg	24	45	2	3957.49	3957.49	10.17	ppb	504048.30	5.16	450000	
Al	27	45	2	4.10	4.10	97.78	ppb	173.35	46.63	450000	
K	39	45	2	6486.97	6486.97	7.07	ppb	337928.89	2.36	180000	
Ca	44	45	2	116755.68	116755.68	9.59	ppb	336727.12	4.59	450000	
V	51	72	2	2.68	2.68	7.03	ppb	4128.58	6.95	3600	
Cr	52	72	2	0.84	0.84	16.24	ppb	2013.66	11.51	3600	
Mn	55	72	2	12.47	12.47	8.58	ppb	8696.26	4.84	3600	
Fe	57	72	2	1459.59	1459.59	9.31	ppb	63426.53	5.68	90000	
Co	59	72	2	0.03	0.03	15.60	ppb	180.02	11.11	3600	
Ni	60	72	2	0.35	0.35	32.25	ppb	613.40	26.36	3600	
Cu	63	72	2	0.29	0.29	16.71	ppb	3300.61	2.64	3600	
Zn	66	72	2	3.94	3.94	8.11	ppb	1640.23	6.34	3600	
As	75	72	2	0.19	0.19	25.61	ppb	50.00	20.00	3600	
Se	78	72	1	0.46	0.46	7.51	ppb	396.01	8.08	3600	
Nb	93	72	2	0.03	0.03	103.50	ppb	526.72	26.94	7200	
Mo	95	115	2	2.82	2.82	7.60	ppb	4267.57	7.48	3600	
Pd	105	115	2	0.00	0.00	-100.99	ppb	6.67	173.21	3600	
Ag	107	115	2	-0.01	-0.01	-56.20	ppb	40.00	86.61	900	
Cd	111	115	2	0.13	0.13	108.26	ppb	86.68	93.26	3600	
Sn	120	115	2	0.11	0.11	52.58	ppb	426.71	17.75	3600	
Sb	121	115	2	0.18	0.18	36.55	ppb	180.02	29.40	3600	
Ba	137	115	2	13.37	13.37	3.27	ppb	4020.89	3.48	3600	
W	182	165	2	0.10	0.10	61.91	ppb	1926.96	20.25	3600	
Pt	195	165	2	0.00	0.00	-246.44	ppb	86.67	48.04	3600	
Tl	205	165	2	0.00	0.00	314.51	ppb	160.02	50.00	3600	
Pb	208	165	2	0.05	0.05	13.54	ppb	1880.23	3.84	3600	
Th	232	165	2	0.04	0.04	41.20	ppb	846.76	22.33	3600	
U	238	165	2	2.24	2.24	10.03	ppb	36050.91	6.16	3600	

QC ISTD Table

Element	m/z	Tune Step	CPS	%RSD	Ref CPS	%Rec	Lower Limit	Upper Limit	QC Flag
Li6	6	1	1967431	1.55	2424211	81.2	60	125	
Sc (IS)	45	2	1231457	5.21	1378306	89.3	60	125	
Ge (IS)	72	1	25356392	0.96	32235649	78.7	60	125	
Ge (IS)	72	2	1612617	3.73	1820299	88.6	60	125	
115In	115	2	4322110	3.31	4682921	92.3	60	125	
Ho-165	165	2	25795989	4.01	26948784	95.7	60	125	

TuneStep	TuneFile	TuneDate
1	h2_hmi.u	5/2/2012 5:10:00 PM
2	he_hmi.u	5/2/2012 5:10:00 PM

Continuing Calibration Verification (CCV) - US EPA Method 6020

Sample Name	ccv-1394868
Data File Name	1146CCV.D
DataPath	d:\DATA\050212.B
Acq Date Time	2012-05-02T17:14:32-06:00
Type	6-CCV
VialNumber	1107
Dilution	1
Comment	
Operator	LMT
ISTDRefDataFileName	098CALB.D
SamplePassFail	Pass
ISTD PassFail	Pass

QC Analyte Table

Element	m/z	ISTD	Tune Step	Meas Value	%RSD	Units	CPS	CPS%RSD	Exp Value	%Rec	QC Low	QC High	QC Flag
Be	9	6	1	50.42	0.65	ppb	29372.80	0.44	50	100.8	90	110	
Na	23	45	2	4940.03	2.36	ppb	1564768.78	1.33	5000	98.8	90	110	
Mg	24	45	2	4853.51	2.02	ppb	595847.14	0.85	5000	97.1	90	110	
Al	27	45	2	4943.85	3.11	ppb	106734.28	3.31	5000	98.9	90	110	
K	39	45	2	4963.76	2.13	ppb	249555.61	1.45	5000	99.3	90	110	
Ca	44	45	2	4937.65	5.59	ppb	13866.16	4.16	5000	98.8	90	110	
V	51	72	2	50.37	3.07	ppb	75907.31	3.23	50	100.7	90	110	
Cr	52	72	2	50.29	3.79	ppb	109605.38	2.74	50	100.6	90	110	
Mn	55	72	2	50.88	1.58	ppb	34949.99	0.27	50	101.8	90	110	
Fe	57	72	2	5019.10	2.22	ppb	216762.39	0.81	5000	100.4	90	110	
Co	59	72	2	51.64	2.48	ppb	232095.74	0.82	50	103.3	90	110	
Ni	60	72	2	52.45	3.26	ppb	68873.94	2.64	50	104.9	90	110	
Cu	63	72	2	51.92	3.01	ppb	204401.81	1.38	50	103.8	90	110	
Zn	66	72	2	51.46	1.19	ppb	18190.59	2.92	50	102.9	90	110	
As	75	72	2	53.31	3.91	ppb	9072.65	5.64	50	106.6	90	110	
Se	78	72	1	51.29	1.84	ppb	45992.02	2.16	50	102.6	90	110	
Nb	93	72	2	102.73	1.90	ppb	486371.94	0.13	100	102.7	90	110	
Mo	95	115	2	50.57	1.83	ppb	73611.43	1.36	50	101.1	90	110	
Pd	105	115	2	51.77	0.62	ppb	143294.14	0.95	50	103.5	90	110	
Ag	107	115	2	51.94	0.30	ppb	320470.75	0.40	50	103.9	90	110	
Cd	111	115	2	53.93	7.51	ppb	31157.11	7.22	50	107.9	90	110	
Sn	120	115	2	52.53	2.72	ppb	67355.80	3.19	50	105.1	90	110	
Sb	121	115	2	53.17	2.26	ppb	43945.92	2.63	50	106.3	90	110	
Ba	137	115	2	50.32	6.86	ppb	14634.37	6.44	50	100.6	90	110	
W	182	165	2	51.73	0.22	ppb	378641.20	1.37	50	103.5	90	110	
Pt	195	165	2	52.28	1.59	ppb	345832.35	0.94	50	104.6	90	110	
Tl	205	165	2	52.98	1.56	ppb	575285.71	0.12	50	106.0	90	110	
Pb	208	165	2	53.34	1.84	ppb	725365.67	0.59	50	106.7	90	110	
Th	232	165	2	52.33	0.80	ppb	666857.49	0.77	50	104.7	90	110	
U	238	165	2	52.48	1.57	ppb	826770.77	0.06	50	105.0	90	110	

QC ISTD Table

Element	m/z	Tune Step	CPS	%RSD	Ref CPS	%Rec	QC Low	QC High	QC Flag
Li6	6	1	2049987	0.73	2424211	84.6	60	125	
Sc (IS)	45	2	1183343	1.43	1378306	85.9	60	125	
Ge (IS)	72	1	27487200	0.48	32235649	85.3	60	125	
Ge (IS)	72	2	1602331	1.77	1820299	88.0	60	125	
115In	115	2	4179124	0.50	4682921	89.2	60	125	
Ho-165	165	2	25243806	1.53	26948784	93.7	60	125	

TuneStep	TuneFile
1	h2_hmi.u
2	he_hmi.u

Continuing Calibration Blank (CCB) - US EPA Method 6020

Sample Name	ccb-1394903
Data File Name	1156CCB.D
DataPath	d:\DATA\050212.B
Acq Date Time	2012-05-02T17:17:32-06:00
Type	6-CCB
VialNumber	1307
Dilution	1
Comment	
Operator	LMT
ISTDRefDataFileName	098CALB.D
SamplePassFail	Fail
ISTD PassFail	Pass

QC Analyte Table

Element	m/z	ISTD	Tune Step	Meas Value	%RSD	Units	CPS	CPS %RSD	QC High	QC Flag
Be	9	6	1	0.04	152.10	ppb	26.67	127.63	1	
Na	23	45	2	-199.03	-2.17	ppb	56557.11	2.32	20	
Mg	24	45	2	1.74	26.68	ppb	900.10	5.88	20	
Al	27	45	2	-2.80	-34.06	ppb	20.00	100.00	20	
K	39	45	2	1.50	106.79	ppb	2213.65	3.42	20	
Ca	44	45	2	5.23	847.87	ppb	160.01	75.00	20	
V	51	72	2	0.10	61.30	ppb	223.98	41.16	1	
Cr	52	72	2	0.02	91.13	ppb	233.36	19.79	1	
Mn	55	72	2	0.07	49.25	ppb	166.68	13.86	1	
Fe	57	72	2	2.55	11.25	ppb	273.36	4.23	20	
Co	59	72	2	0.01	61.58	ppb	80.01	43.30	1	
Ni	60	72	2	0.07	56.90	ppb	240.02	22.05	1	
Cu	63	72	2	0.06	130.22	ppb	2360.38	12.22	1	
Zn	66	72	2	-0.05	-865.36	ppb	240.02	65.09	5	
As	75	72	2	0.07	80.70	ppb	30.00	33.33	5	
Se	78	72	1	0.06	31.71	ppb	76.00	22.94	5	
Nb	93	72	2	0.73	16.17	ppb	3860.82	15.26	5	
Mo	95	115	2	0.06	52.68	ppb	113.34	44.41	1	
Pd	105	115	2	0.04	59.42	ppb	140.01	51.51	1	
Ag	107	115	2	0.00	2031.62	ppb	106.68	86.60	1	
Cd	111	115	2	0.02	80.24	ppb	26.67	43.30	1	
Sn	120	115	2	0.02	403.05	ppb	306.70	39.32	5	
Sb	121	115	2	0.21	59.14	ppb	200.02	51.96	0.2	6-CCB Main Failed
Ba	137	115	2	0.02	173.21	ppb	6.67	173.21	1	
W	182	165	2	0.04	20.40	ppb	1453.53	4.83	1	
Pt	195	165	2	0.01	95.93	ppb	186.68	44.61	1	
Tl	205	165	2	0.04	65.47	ppb	566.74	49.46	1	
Pb	208	165	2	0.03	91.89	ppb	1466.84	22.71	1	
Th	232	165	2	0.10	48.89	ppb	1680.28	38.98	1	
U	238	165	2	0.03	21.17	ppb	600.07	18.56	1	

QC ISTD Table

Element	m/z	Tune Step	CPS	%RSD	Ref CPS	%Rec	QC Low	QC High	QC Flag
Li6	6	1	2031703	1.04	2424211	83.8	60	125	
Sc (IS)	45	2	1147968	0.26	1378306	83.3	60	125	
Ge (IS)	72	1	27405790	0.49	32235649	85.0	60	125	
Ge (IS)	72	2	1600754	0.89	1820299	87.9	60	125	
115In	115	2	4223935	0.21	4682921	90.2	60	125	
Ho-165	165	2	25262650	1.08	26948784	93.7	60	125	

TuneStep	TuneFile
1	h2_hmi.u
2	he_hmi.u

Sample Report

Sample Name	rinse
Data File Name	116SMPL.D
DataPath	d:\DATA\050212.B
Acq Date Time	2012-05-02T17:20:30-06:00
Type	Sample
VialNumber	3
Dilution	1
Comment	
Operator	LMT
ISTDRefDataFileName	098CALB.D
SamplePassFail	Pass
ISTD PassFail	Pass

QC Analyte Table

Element	m/z	ISTD	Tune Step	Meas Value	FinalConc	%RSD	Units	CPS	CPS %RSD	High Value	QC Flag
Be	9	6	1	0.00	0.00	559.47	ppb	5.00	100.00	3600	
Na	23	45	2	-223.45	-223.45	-1.63	ppb	49435.07	2.72	1800000	
Mg	24	45	2	-0.43	-0.43	-81.10	ppb	640.08	6.25	450000	
Al	27	45	2	-0.86	-0.86	-296.66	ppb	60.00	88.20	450000	
K	39	45	2	1.92	1.92	222.28	ppb	2226.98	9.89	180000	
Ca	44	45	2	18.13	18.13	267.50	ppb	193.36	66.51	450000	
V	51	72	2	-0.10	-0.10	-79.90	ppb	-82.70	-152.04	3600	
Cr	52	72	2	0.02	0.02	114.74	ppb	226.69	22.21	3600	
Mn	55	72	2	0.15	0.15	18.43	ppb	220.02	9.09	3600	
Fe	57	72	2	-0.88	-0.88	-106.21	ppb	126.68	32.87	90000	
Co	59	72	2	0.01	0.01	230.58	ppb	66.67	147.99	3600	
Ni	60	72	2	0.02	0.02	225.71	ppb	180.02	40.06	3600	
Cu	63	72	2	0.01	0.01	126.67	ppb	2200.33	3.64	3600	
Zn	66	72	2	-0.01	-0.01	-2962.27	ppb	253.36	58.19	3600	
As	75	72	2	-0.03	-0.03	-493.96	ppb	13.33	173.21	3600	
Se	78	72	1	0.01	0.01	105.95	ppb	30.67	32.83	3600	
Nb	93	72	2	0.24	0.24	16.64	ppb	1533.54	12.80	7200	
Mo	95	115	2	0.03	0.03	208.58	ppb	60.01	145.30	3600	
Pd	105	115	2	0.00	0.00	-478.34	ppb	13.33	173.21	3600	
Ag	107	115	2	0.00	0.00	-347.21	ppb	93.34	32.74	900	
Cd	111	115	2	0.09	0.09	22.04	ppb	66.68	17.32	3600	
Sn	120	115	2	-0.06	-0.06	-27.77	ppb	193.35	11.94	3600	
Sb	121	115	2	0.11	0.11	104.35	ppb	113.35	81.51	3600	
Ba	137	115	2	0.11	0.11	91.51	ppb	33.34	91.66	3600	
W	182	165	2	0.00	0.00	518.57	ppb	1200.16	4.41	3600	
Pt	195	165	2	0.00	0.00	434.34	ppb	113.35	50.94	3600	
Tl	205	165	2	0.02	0.02	44.84	ppb	333.37	27.71	3600	
Pb	208	165	2	-0.01	-0.01	-190.86	ppb	1046.79	13.82	3600	
Th	232	165	2	0.01	0.01	102.09	ppb	480.06	23.20	3600	
U	238	165	2	0.01	0.01	34.83	ppb	233.36	26.19	3600	

QC ISTD Table

Element	m/z	Tune Step	CPS	%RSD	Ref CPS	%Rec	Lower Limit	Upper Limit	QC Flag
Li6	6	1	1986208	1.21	2424211	81.9	60	125	
Sc (IS)	45	2	1143827	0.69	1378306	83.0	60	125	
Ge (IS)	72	1	27374906	0.14	32235649	84.9	60	125	
Ge (IS)	72	2	1614035	0.85	1820299	88.7	60	125	
115In	115	2	4232574	0.79	4682921	90.4	60	125	
Ho-165	165	2	25393542	0.59	26948784	94.2	60	125	

TuneStep	TuneFile	TuneDate
1	h2_hmi.u	5/2/2012 5:19:00 PM
2	he_hmi.u	5/2/2012 5:19:00 PM

Sample Report

Sample Name	rinse
Data File Name	117SMPL.D
DataPath	d:\DATA\050212.B
Acq Date Time	2012-05-02T17:23:28-06:00
Type	Sample
VialNumber	3
Dilution	1
Comment	
Operator	LMT
ISTDRefDataFileName	098CALB.D
SamplePassFail	Pass
ISTD PassFail	Pass

QC Analyte Table

Element	m/z	ISTD	Tune Step	Meas Value	FinalConc	%RSD	Units	CPS	CPS %RSD	High Value	QC Flag
Be	9	6	1	-0.01	-0.01	0.00	ppb	0.00	#DIV/0!	3600	
Na	23	45	2	-252.91	-252.91	-3.05	ppb	40479.38	5.17	1800000	
Mg	24	45	2	-2.06	-2.06	-46.82	ppb	440.04	25.31	450000	
Al	27	45	2	-1.48	-1.48	-40.05	ppb	46.67	24.75	450000	
K	39	45	2	2.46	2.46	327.80	ppb	2220.32	17.72	180000	
Ca	44	45	2	-43.90	-43.90	-26.68	ppb	26.67	114.56	450000	
V	51	72	2	0.04	0.04	39.99	ppb	131.67	18.15	3600	
Cr	52	72	2	0.02	0.02	63.81	ppb	226.69	13.48	3600	
Mn	55	72	2	0.22	0.22	93.69	ppb	266.69	53.21	3600	
Fe	57	72	2	1.25	1.25	158.31	ppb	213.35	39.03	90000	
Co	59	72	2	0.00	0.00	405.39	ppb	33.34	124.90	3600	
Ni	60	72	2	0.00	0.00	2023.12	ppb	146.68	34.32	3600	
Cu	63	72	2	0.06	0.06	136.76	ppb	2307.05	12.58	3600	
Zn	66	72	2	0.04	0.04	1019.08	ppb	266.69	55.28	3600	
As	75	72	2	0.00	0.00	-3609.51	ppb	16.67	173.21	3600	
Se	78	72	1	0.01	0.01	101.01	ppb	30.67	32.83	3600	
Nb	93	72	2	0.12	0.12	35.78	ppb	940.12	20.30	7200	
Mo	95	115	2	0.01	0.01	275.43	ppb	33.34	124.90	3600	
Pd	105	115	2	0.00	0.00	363.01	ppb	26.67	114.57	3600	
Ag	107	115	2	-0.01	-0.01	-54.96	ppb	46.67	65.47	900	
Cd	111	115	2	0.06	0.06	67.57	ppb	46.67	49.49	3600	
Sn	120	115	2	-0.02	-0.02	-340.43	ppb	253.35	31.91	3600	
Sb	121	115	2	0.02	0.02	220.05	ppb	40.01	86.60	3600	
Ba	137	115	2	0.00	0.00	#DIV/0!	ppb	0.00	#DIV/0!	3600	
W	182	165	2	-0.05	-0.05	-97.85	ppb	820.10	44.11	3600	
Pt	195	165	2	0.01	0.01	127.18	ppb	186.69	59.01	3600	
Tl	205	165	2	0.02	0.02	26.29	ppb	313.37	14.74	3600	
Pb	208	165	2	0.00	0.00	300.24	ppb	1173.47	12.80	3600	
Th	232	165	2	-0.01	-0.01	-124.67	ppb	266.70	48.22	3600	
U	238	165	2	0.01	0.01	97.02	ppb	180.02	66.67	3600	

QC ISTD Table

Element	m/z	Tune Step	CPS	%RSD	Ref CPS	%Rec	Lower Limit	Upper Limit	QC Flag
Li6	6	1	1917861	1.74	2424211	79.1	60	125	
Sc (IS)	45	2	1127238	1.27	1378306	81.8	60	125	
Ge (IS)	72	1	26876236	0.60	32235649	83.4	60	125	
Ge (IS)	72	2	1571739	0.58	1820299	86.3	60	125	
115In	115	2	4240380	0.73	4682921	90.5	60	125	
Ho-165	165	2	25294905	0.61	26948784	93.9	60	125	

TuneStep	TuneFile	TuneDate
1	h2_hmi.u	5/2/2012 5:22:00 PM
2	he_hmi.u	5/2/2012 5:22:00 PM

Sample Report

Sample Name	rinse
Data File Name	118SMPL.D
DataPath	d:\DATA\050212.B
Acq Date Time	2012-05-02T17:26:27-06:00
Type	Sample
VialNumber	3
Dilution	1
Comment	
Operator	LMT
ISTDRefDataFileName	098CALB.D
SamplePassFail	Pass
ISTD PassFail	Pass

QC Analyte Table

Element	m/z	ISTD	Tune Step	Meas Value	FinalConc	%RSD	Units	CPS	CPS %RSD	High Value	QC Flag
Be	9	6	1	0.00	0.00	424.94	ppb	5.00	100.00	3600	
Na	23	45	2	-250.20	-250.20	-0.98	ppb	40674.07	1.90	1800000	
Mg	24	45	2	-1.90	-1.90	-36.18	ppb	453.37	17.83	450000	
Al	27	45	2	-2.11	-2.11	-27.25	ppb	33.33	34.64	450000	
K	39	45	2	-2.28	-2.28	-72.26	ppb	1966.94	3.85	180000	
Ca	44	45	2	-38.72	-38.72	-0.15	ppb	40.00	0.00	450000	
V	51	72	2	-0.01	-0.01	-930.66	ppb	59.50	162.68	3600	
Cr	52	72	2	-0.02	-0.02	-94.18	ppb	133.34	31.22	3600	
Mn	55	72	2	0.27	0.27	54.99	ppb	293.37	31.50	3600	
Fe	57	72	2	2.49	2.49	111.75	ppb	260.02	42.83	90000	
Co	59	72	2	0.00	0.00	199.48	ppb	40.00	86.61	3600	
Ni	60	72	2	0.06	0.06	75.33	ppb	213.35	23.59	3600	
Cu	63	72	2	0.01	0.01	480.35	ppb	2087.00	7.45	3600	
Zn	66	72	2	0.25	0.25	97.99	ppb	333.36	24.98	3600	
As	75	72	2	0.02	0.02	652.77	ppb	20.00	100.00	3600	
Se	78	72	1	0.00	0.00	291.75	ppb	24.00	44.10	3600	
Nb	93	72	2	0.02	0.02	118.08	ppb	466.72	21.57	7200	
Mo	95	115	2	0.03	0.03	82.27	ppb	60.00	57.74	3600	
Pd	105	115	2	0.01	0.01	181.46	ppb	40.00	100.00	3600	
Ag	107	115	2	-0.01	-0.01	-76.22	ppb	46.67	89.21	900	
Cd	111	115	2	0.12	0.12	0.17	ppb	80.01	0.00	3600	
Sn	120	115	2	-0.04	-0.04	-97.70	ppb	220.02	24.05	3600	
Sb	121	115	2	0.00	0.00	-512.97	ppb	20.00	100.00	3600	
Ba	137	115	2	0.07	0.07	173.21	ppb	20.00	173.21	3600	
W	182	165	2	-0.02	-0.02	-115.73	ppb	1006.77	19.90	3600	
Pt	195	165	2	0.00	0.00	-333.05	ppb	86.67	48.04	3600	
Tl	205	165	2	0.01	0.01	21.10	ppb	273.36	11.18	3600	
Pb	208	165	2	0.01	0.01	97.86	ppb	1286.80	13.22	3600	
Th	232	165	2	-0.01	-0.01	-97.73	ppb	246.69	47.51	3600	
U	238	165	2	0.00	0.00	155.59	ppb	100.01	69.28	3600	

QC ISTD Table

Element	m/z	Tune Step	CPS	%RSD	Ref CPS	%Rec	Lower Limit	Upper Limit	QC Flag
Li6	6	1	1836733	1.53	2424211	75.8	60	125	
Sc (IS)	45	2	1111678	0.38	1378306	80.7	60	125	
Ge (IS)	72	1	26327216	0.27	32235649	81.7	60	125	
Ge (IS)	72	2	1544177	2.05	1820299	84.8	60	125	
115In	115	2	4184721	0.14	4682921	89.4	60	125	
Ho-165	165	2	25152750	0.20	26948784	93.3	60	125	

TuneStep	TuneFile	TuneDate
1	h2_hmi.u	5/2/2012 5:25:00 PM
2	he_hmi.u	5/2/2012 5:25:00 PM

Sample Report

Sample Name	rinse
Data File Name	119SMPL.D
DataPath	d:\DATA\050212.B
Acq Date Time	2012-05-02T17:29:26-06:00
Type	Sample
VialNumber	3
Dilution	1
Comment	
Operator	LMT
ISTDRefDataFileName	098CALB.D
SamplePassFail	Pass
ISTD PassFail	Pass

QC Analyte Table

Element	m/z	ISTD	Tune Step	Meas Value	FinalConc	%RSD	Units	CPS	CPS %RSD	High Value	QC Flag
Be	9	6	1	0.01	0.01	201.49	ppb	6.67	86.60	3600	
Na	23	45	2	-256.57	-256.57	-1.43	ppb	38328.46	1.89	1800000	
Mg	24	45	2	-0.01	-0.01	-334.78	ppb	660.06	0.00	450000	
Al	27	45	2	-0.76	-0.76	-390.84	ppb	60.01	100.00	450000	
K	39	45	2	-1.16	-1.16	-673.36	ppb	1986.98	17.36	180000	
Ca	44	45	2	-33.30	-33.30	-27.01	ppb	53.33	43.30	450000	
V	51	72	2	-0.10	-0.10	-52.41	ppb	-73.16	-102.55	3600	
Cr	52	72	2	0.00	0.00	-4688.05	ppb	173.36	46.64	3600	
Mn	55	72	2	0.11	0.11	56.50	ppb	186.68	22.30	3600	
Fe	57	72	2	1.36	1.36	105.08	ppb	213.35	27.06	90000	
Co	59	72	2	0.02	0.02	68.39	ppb	100.01	52.92	3600	
Ni	60	72	2	0.05	0.05	63.11	ppb	206.69	20.14	3600	
Cu	63	72	2	-0.01	-0.01	-2718.21	ppb	2033.63	26.20	3600	
Zn	66	72	2	0.34	0.34	60.11	ppb	360.04	19.25	3600	
As	75	72	2	0.10	0.10	196.95	ppb	33.33	96.44	3600	
Se	78	72	1	0.01	0.01	259.06	ppb	28.00	75.59	3600	
Nb	93	72	2	0.01	0.01	126.00	ppb	440.05	16.39	7200	
Mo	95	115	2	0.02	0.02	64.89	ppb	53.34	43.31	3600	
Pd	105	115	2	0.00	0.00	1504.04	ppb	20.00	173.21	3600	
Ag	107	115	2	0.00	0.00	-286.54	ppb	73.34	103.26	900	
Cd	111	115	2	0.04	0.04	143.32	ppb	33.34	91.66	3600	
Sn	120	115	2	-0.02	-0.02	-284.38	ppb	240.02	36.32	3600	
Sb	121	115	2	0.00	0.00	1542.80	ppb	26.67	173.21	3600	
Ba	137	115	2	0.05	0.05	173.21	ppb	13.33	173.21	3600	
W	182	165	2	-0.02	-0.02	-126.14	ppb	1066.80	14.56	3600	
Pt	195	165	2	-0.01	-0.01	-66.00	ppb	53.34	57.29	3600	
Tl	205	165	2	0.01	0.01	39.25	ppb	286.70	21.32	3600	
Pb	208	165	2	0.02	0.02	65.00	ppb	1440.17	14.10	3600	
Th	232	165	2	-0.01	-0.01	-82.73	ppb	233.35	47.21	3600	
U	238	165	2	0.01	0.01	69.78	ppb	180.01	48.43	3600	

QC ISTD Table

Element	m/z	Tune Step	CPS	%RSD	Ref CPS	%Rec	Lower Limit	Upper Limit	QC Flag
Li6	6	1	1841010	2.90	2424211	75.9	60	125	
Sc (IS)	45	2	1094990	0.81	1378306	79.4	60	125	
Ge (IS)	72	1	25608420	0.95	32235649	79.4	60	125	
Ge (IS)	72	2	1539157	1.19	1820299	84.6	60	125	
115In	115	2	4141214	0.49	4682921	88.4	60	125	
Ho-165	165	2	25313301	0.83	26948784	93.9	60	125	

TuneStep	TuneFile	TuneDate
1	h2_hmi.u	5/2/2012 5:28:00 PM
2	he_hmi.u	5/2/2012 5:28:00 PM

Sample Report

Sample Name	rinse
Data File Name	120SMPL.D
DataPath	d:\DATA\050212.B
Acq Date Time	2012-05-02T17:32:25-06:00
Type	Sample
VialNumber	3
Dilution	1
Comment	
Operator	LMT
ISTDRefDataFileName	098CALB.D
SamplePassFail	Pass
ISTD PassFail	Pass

QC Analyte Table

Element	m/z	ISTD	Tune Step	Meas Value	FinalConc	%RSD	Units	CPS	CPS %RSD	High Value	QC Flag
Be	9	6	1	0.00	0.00	-149.29	ppb	1.67	173.21	3600	
Na	23	45	2	-253.62	-253.62	-2.22	ppb	38416.20	3.32	1800000	
Mg	24	45	2	-1.70	-1.70	-55.08	ppb	460.04	23.01	450000	
Al	27	45	2	-3.07	-3.07	-19.16	ppb	13.33	86.60	450000	
K	39	45	2	4.33	4.33	97.92	ppb	2200.32	8.08	180000	
Ca	44	45	2	-27.72	-27.72	-65.00	ppb	66.67	69.29	450000	
V	51	72	2	-0.04	-0.04	-185.92	ppb	9.18	1259.04	3600	
Cr	52	72	2	-0.01	-0.01	-313.04	ppb	146.68	56.78	3600	
Mn	55	72	2	0.07	0.07	108.08	ppb	160.02	33.07	3600	
Fe	57	72	2	1.58	1.58	162.08	ppb	220.03	47.24	90000	
Co	59	72	2	0.01	0.01	265.29	ppb	46.67	137.77	3600	
Ni	60	72	2	0.05	0.05	66.68	ppb	200.02	20.00	3600	
Cu	63	72	2	0.15	0.15	131.56	ppb	2601.19	28.50	3600	
Zn	66	72	2	0.25	0.25	52.95	ppb	326.71	14.14	3600	
As	75	72	2	0.06	0.06	259.01	ppb	26.67	94.37	3600	
Se	78	72	1	-0.01	-0.01	-236.50	ppb	12.00	145.30	3600	
Nb	93	72	2	-0.01	-0.01	-241.74	ppb	346.71	24.02	7200	
Mo	95	115	2	0.02	0.02	31.06	ppb	53.34	21.66	3600	
Pd	105	115	2	0.00	0.00	254.64	ppb	26.67	86.60	3600	
Ag	107	115	2	-0.01	-0.01	-25.07	ppb	20.00	100.00	900	
Cd	111	115	2	-0.01	-0.01	-226.42	ppb	6.67	173.21	3600	
Sn	120	115	2	0.06	0.06	146.33	ppb	340.04	29.41	3600	
Sb	121	115	2	0.01	0.01	573.87	ppb	33.34	173.21	3600	
Ba	137	115	2	0.07	0.07	173.21	ppb	20.00	173.21	3600	
W	182	165	2	-0.02	-0.02	-138.47	ppb	1013.45	22.70	3600	
Pt	195	165	2	0.00	0.00	-90.75	ppb	73.34	31.49	3600	
Tl	205	165	2	0.01	0.01	105.24	ppb	200.02	36.06	3600	
Pb	208	165	2	0.01	0.01	42.27	ppb	1306.83	6.18	3600	
Th	232	165	2	-0.01	-0.01	-45.03	ppb	273.36	15.23	3600	
U	238	165	2	0.01	0.01	82.21	ppb	160.02	54.49	3600	

QC ISTD Table

Element	m/z	Tune Step	CPS	%RSD	Ref CPS	%Rec	Lower Limit	Upper Limit	QC Flag
Li6	6	1	1772303	2.27	2424211	73.1	60	125	
Sc (IS)	45	2	1075053	0.79	1378306	78.0	60	125	
Ge (IS)	72	1	25402530	2.23	32235649	78.8	60	125	
Ge (IS)	72	2	1524557	0.87	1820299	83.8	60	125	
115In	115	2	4123083	1.26	4682921	88.0	60	125	
Ho-165	165	2	25191639	0.82	26948784	93.5	60	125	

TuneStep	TuneFile	TuneDate
1	h2_hmi.u	5/2/2012 5:31:00 PM
2	he_hmi.u	5/2/2012 5:31:00 PM

Calibration Blank Report

Sample Name	icis
Data File Name	121CALB.D
DataPath	d:\DATA\050212.B
Acq Date Time	2012-05-02T17:35:23-06:00
Type	CalBlk
VialNumber	2101
Dilution	1
Comment	
Operator	LMT

QC Analyte Table

Element	m/z	ISTD	Tune Step	CPS	%RSD
Be	9	6	1	3	173.21
Na	23	45	2	30707	3.74
Mg	24	45	2	307	16.42
Al	27	45	2	27	173.21
K	39	45	2	1874	17.91
Ca	44	45	2	40	50.01
V	51	72	2	69	107.83
Cr	52	72	2	173	35.25
Mn	55	72	2	87	13.32
Fe	57	72	2	140	107.86
Co	59	72	2	0	#DIV/0!
Ni	60	72	2	180	11.11
Cu	63	72	2	1940	15.26
Zn	66	72	2	300	30.55
As	75	72	2	0	#DIV/0!
Se	78	72	1	17	70.50
Nb	93	72	2	320	43.75
Mo	95	115	2	27	43.30
Pd	105	115	2	0	#DIV/0!
Ag	107	115	2	33	91.66
Cd	111	115	2	40	100.00
Sn	120	115	2	233	30.10
Sb	121	115	2	93	61.85
Ba	137	115	2	33	91.66
W	182	165	2	907	15.50
Pt	195	165	2	67	75.50
Tl	205	165	2	153	49.38
Pb	208	165	2	1267	14.33
Th	232	165	2	333	54.44
U	238	165	2	73	95.78

QC ISTD Table

Element	m/z	Tune Step	CPS	%RSD
Li6	6	1	1785568	2.21
Sc (IS)	45	2	1044004	0.25
Ge (IS)	72	1	25160288	2.85
Ge (IS)	72	2	1449538	1.26
115In	115	2	4071130	0.42
Ho-165	165	2	25018358	0.40

TuneStep	TuneFile	TuneDate
1	h2_hmi.u	5/2/2012 5:34:00 PM
2	he_hmi.u	5/2/2012 5:34:00 PM

Calibration Standard Report

Sample Name	ic
Data File Name	122CALS.D
DataPath	d:\DATA\050212.B
Acq Date Time	2012-05-02T17:38:20-06:00
Type	CalStd
VialNumber	2102
Dilution	1
Comment	
Operator	LMT
ISTDRefDataFileName	121CALB.D
ISTD PassFail	Pass

QC Analyte Table

Element	m/z	ISTD	Tune Step	CPS	%RSD
Be	9	6	1	45538	2.96
Na	23	45	2	2554751	0.86
Mg	24	45	2	1026665	0.85
Al	27	45	2	189860	1.27
K	39	45	2	434437	1.21
Ca	44	45	2	23891	1.19
V	51	72	2	130003	2.95
Cr	52	72	2	189905	0.94
Mn	55	72	2	61248	1.20
Fe	57	72	2	373661	0.63
Co	59	72	2	392528	1.29
Ni	60	72	2	114225	1.86
Cu	63	72	2	337665	0.64
Zn	66	72	2	31710	2.10
As	75	72	2	15491	2.14
Se	78	72	1	76923	0.29
Nb	93	72	2	873751	0.87
Mo	95	115	2	130712	1.80
Pd	105	115	2	252687	1.06
Ag	107	115	2	564962	0.90
Cd	111	115	2	54067	2.77
(Cd)	114	115	2	140529	0.68
Sn	120	115	2	123121	1.92
Sb	121	115	2	78562	2.59
Ba	137	115	2	27337	2.06
W	182	165	2	722549	1.21
Pt	195	165	2	653138	0.43
Tl	205	165	2	1087373	0.56
Pb	208	165	2	1366035	0.45
Th	232	165	2	1288618	0.61
U	238	165	2	1600824	0.48

QC ISTD Table

Element	m/z	Tune Step	CPS	%RSD	Reference CPS	%Recovery	Lower Limit	Upper Limit	QC Flag
Li6	6	1	1650383	0.95	1785568	92.4	60	125	
Sc (IS)	45	2	1021108	0.70	1044004	97.8	60	125	
Ge (IS)	72	1	23166783	0.56	25160288	92.1	60	125	
Ge (IS)	72	2	1412762	0.57	1449538	97.5	60	125	
115In	115	2	3940130	0.31	4071130	96.8	60	125	
Ho-165	165	2	24511047	0.81	25018358	98.0	60	125	

TuneStep	TuneFile	TuneDate
1	h2_hmi.u	5/2/2012 5:37:00 PM
2	he_hmi.u	5/2/2012 5:37:00 PM

Continuing Calibration Verification (CCV) - US EPA Method 6020

Sample Name	ccv-1394868
Data File Name	1236CCV.D
DataPath	d:\DATA\050212.B
Acq Date Time	2012-05-02T17:41:20-06:00
Type	6-CCV
VialNumber	1107
Dilution	1
Comment	
Operator	LMT
ISTDRefDataFileName	121CALB.D
SamplePassFail	Pass
ISTD PassFail	Pass

QC Analyte Table

Element	m/z	ISTD	Tune Step	Meas Value	%RSD	Units	CPS	CPS%RSD	Exp Value	%Rec	QC Low	QC High	QC Flag
Be	9	6	1	52.74	0.60	ppb	23876.91	0.38	50	105.5	90	110	
Na	23	45	2	5075.50	0.55	ppb	1294536.67	1.38	5000	101.5	90	110	
Mg	24	45	2	4992.19	0.65	ppb	506004.94	0.59	5000	99.8	90	110	
Al	27	45	2	4881.01	1.50	ppb	91487.19	2.40	5000	97.6	90	110	
K	39	45	2	4985.09	1.22	ppb	214667.21	1.87	5000	99.7	90	110	
Ca	44	45	2	5163.75	5.48	ppb	12191.75	4.69	5000	103.3	90	110	
V	51	72	2	50.05	4.23	ppb	64940.25	4.41	50	100.1	90	110	
Cr	52	72	2	51.24	2.26	ppb	97141.66	2.38	50	102.5	90	110	
Mn	55	72	2	50.34	1.68	ppb	30794.50	1.82	50	100.7	90	110	
Fe	57	72	2	5043.20	2.39	ppb	188024.34	2.18	5000	100.9	90	110	
Co	59	72	2	51.39	1.56	ppb	201197.31	1.51	50	102.8	90	110	
Ni	60	72	2	52.40	1.09	ppb	59788.57	1.49	50	104.8	90	110	
Cu	63	72	2	51.95	1.55	ppb	175883.55	1.46	50	103.9	90	110	
Zn	66	72	2	48.95	8.05	ppb	15628.02	7.51	50	97.9	90	110	
As	75	72	2	51.27	4.58	ppb	7922.05	4.19	50	102.5	90	110	
Se	78	72	1	51.24	1.81	ppb	39286.96	1.62	50	102.5	90	110	
Nb	93	72	2	103.88	0.62	ppb	452826.39	0.22	100	103.9	90	110	
Mo	95	115	2	51.29	0.19	ppb	68061.98	1.35	50	102.6	90	110	
Pd	105	115	2	51.06	2.00	ppb	130945.43	0.92	50	102.1	90	110	
Ag	107	115	2	51.90	2.45	ppb	297596.64	1.47	50	103.8	90	110	
Cd	111	115	2	50.95	1.21	ppb	27978.34	1.04	50	101.9	90	110	
Sn	120	115	2	50.52	2.61	ppb	63240.29	1.62	50	101.0	90	110	
Sb	121	115	2	51.37	4.37	ppb	40997.70	3.27	50	102.7	90	110	
Ba	137	115	2	50.86	2.27	ppb	14126.93	2.09	50	101.7	90	110	
W	182	165	2	51.09	0.20	ppb	369504.58	0.35	50	102.2	90	110	
Pt	195	165	2	51.56	0.74	ppb	336686.23	0.87	50	103.1	90	110	
Tl	205	165	2	52.64	0.43	ppb	572327.74	0.95	50	105.3	90	110	
Pb	208	165	2	52.27	0.96	ppb	714365.77	1.11	50	104.5	90	110	
Th	232	165	2	52.11	0.33	ppb	671420.51	0.26	50	104.2	90	110	
U	238	165	2	51.95	1.61	ppb	831435.22	1.11	50	103.9	90	110	

QC ISTD Table

Element	m/z	Tune Step	CPS	%RSD	Ref CPS	%Rec	QC Low	QC High	QC Flag
Li6	6	1	1640598	0.95	1785568	91.9	60	125	
Sc (IS)	45	2	1007840	0.94	1044004	96.5	60	125	
Ge (IS)	72	1	23087676	0.33	25160288	91.8	60	125	
Ge (IS)	72	2	1409151	0.40	1449538	97.2	60	125	
115In	115	2	3999310	1.18	4071130	98.2	60	125	
Ho-165	165	2	24503370	0.55	25018358	97.9	60	125	

TuneStep	TuneFile
1	h2_hmi.u
2	he_hmi.u

Continuing Calibration Blank (CCB) - US EPA Method 6020

Sample Name	ccb-1394903
Data File Name	1246CCB.D
DataPath	d:\DATA\050212.B
Acq Date Time	2012-05-02T17:44:19-06:00
Type	6-CCB
VialNumber	1307
Dilution	1
Comment	
Operator	LMT
ISTDRefDataFileName	121CALB.D
SamplePassFail	Fail
ISTD PassFail	Pass

QC Analyte Table

Element	m/z	ISTD	Tune Step	Meas Value	%RSD	Units	CPS	CPS %RSD	QC High	QC Flag
Be	9	6	1	0.00	2152.35	ppb	3.33	173.21	1	
Na	23	45	2	-15.89	-5.15	ppb	25305.57	0.59	20	
Mg	24	45	2	1.89	63.36	ppb	480.05	25.00	20	
Al	27	45	2	1.16	194.94	ppb	46.67	89.21	20	
K	39	45	2	-3.39	-165.02	ppb	1640.24	14.38	20	
Ca	44	45	2	12.38	282.44	ppb	66.67	121.25	20	
V	51	72	2	-0.06	-121.16	ppb	-7.53	-1176.99	1	
Cr	52	72	2	0.05	107.84	ppb	260.03	38.46	1	
Mn	55	72	2	0.09	94.96	ppb	140.02	37.80	1	
Fe	57	72	2	1.25	113.18	ppb	180.02	29.40	20	
Co	59	72	2	0.01	49.81	ppb	40.00	50.00	1	
Ni	60	72	2	0.03	364.01	ppb	206.69	59.13	1	
Cu	63	72	2	-0.05	-206.88	ppb	1706.92	19.66	1	
Zn	66	72	2	-0.05	-149.29	ppb	273.36	8.45	5	
As	75	72	2	0.22	68.93	ppb	33.33	69.28	5	
Se	78	72	1	0.04	28.79	ppb	44.00	18.18	5	
Nb	93	72	2	0.80	19.16	ppb	3760.76	18.09	5	
Mo	95	115	2	0.10	95.10	ppb	153.35	78.63	1	
Pd	105	115	2	0.07	42.18	ppb	166.68	42.14	1	
Ag	107	115	2	0.02	23.72	ppb	120.01	16.67	1	
Cd	111	115	2	0.03	158.32	ppb	53.34	43.31	1	
Sn	120	115	2	-0.03	-327.00	ppb	193.35	52.07	5	
Sb	121	115	2	0.23	29.75	ppb	273.36	21.12	0.2	6-CCB Main Failed
Ba	137	115	2	-0.12	0.00	ppb	0.00	#DIV/0!	1	
W	182	165	2	0.08	11.16	ppb	1486.89	4.33	1	
Pt	195	165	2	0.02	105.66	ppb	173.35	65.61	1	
Tl	205	165	2	0.03	52.50	ppb	493.39	36.79	1	
Pb	208	165	2	0.02	55.76	ppb	1546.87	11.15	1	
Th	232	165	2	0.08	14.64	ppb	1420.20	11.00	1	
U	238	165	2	0.03	4.46	ppb	566.73	4.08	1	

QC ISTD Table

Element	m/z	Tune Step	CPS	%RSD	Ref CPS	%Rec	QC Low	QC High	QC Flag
Li6	6	1	1600506	0.48	1785568	89.6	60	125	
Sc (IS)	45	2	993052	0.23	1044004	95.1	60	125	
Ge (IS)	72	1	22782915	0.58	25160288	90.6	60	125	
Ge (IS)	72	2	1393356	0.63	1449538	96.1	60	125	
115In	115	2	3925662	1.15	4071130	96.4	60	125	
Ho-165	165	2	24572535	0.30	25018358	98.2	60	125	

TuneStep	TuneFile
1	h2_hmi.u
2	he_hmi.u

Sample Report

Sample Name	MB 280-117181/1-A
Data File Name	125SMPL.D
DataPath	d:\DATA\050212.B
Acq Date Time	2012-05-02T17:47:18-06:00
Type	Sample
VialNumber	4101
Dilution	1
Comment	117181 6020
Operator	LMT
ISTDRefDataFileName	121CALB.D
SamplePassFail	Pass
ISTD PassFail	Pass

QC Analyte Table

Element	m/z	ISTD	Tune Step	Meas Value	FinalConc	%RSD	Units	CPS	CPS %RSD	High Value	QC Flag
Be	9	6	1	0.01	0.01	229.11	ppb	5.00	100.00	3600	
Na	23	45	2	-36.22	-36.22	-1.42	ppb	20105.60	0.35	1800000	
Mg	24	45	2	2.07	2.07	29.95	ppb	493.39	12.39	450000	
Al	27	45	2	5.19	5.19	20.74	ppb	120.01	16.67	450000	
K	39	45	2	1.00	1.00	1341.04	ppb	1806.94	31.00	180000	
Ca	44	45	2	6.78	6.78	296.27	ppb	53.34	86.60	450000	
V	51	72	2	-0.11	-0.11	-99.61	ppb	-77.86	-182.22	3600	
Cr	52	72	2	0.06	0.06	93.56	ppb	273.36	37.55	3600	
Mn	55	72	2	-0.01	-0.01	-528.74	ppb	73.34	62.99	3600	
Fe	57	72	2	8.68	8.68	42.08	ppb	446.72	29.82	90000	
Co	59	72	2	0.02	0.02	0.26	ppb	60.01	0.01	3600	
Ni	60	72	2	0.00	0.00	3013.84	ppb	173.34	52.03	3600	
Cu	63	72	2	0.12	0.12	37.70	ppb	2233.70	6.96	3600	
Zn	66	72	2	0.12	0.12	198.38	ppb	320.03	22.53	3600	
As	75	72	2	0.07	0.07	100.01	ppb	10.00	100.00	3600	
Se	78	72	1	0.06	0.06	19.25	ppb	52.00	15.38	3600	
Nb	93	72	2	0.59	0.59	2.96	ppb	2820.46	2.56	7200	
Mo	95	115	2	0.01	0.01	289.71	ppb	40.00	100.00	3600	
Pd	105	115	2	0.02	0.02	21.97	ppb	53.34	21.65	3600	
Ag	107	115	2	0.01	0.01	136.65	ppb	100.02	91.66	900	
Cd	111	115	2	0.10	0.10	171.55	ppb	93.34	98.98	3600	
Sn	120	115	2	0.07	0.07	66.90	ppb	320.03	18.75	3600	
Sb	121	115	2	0.06	0.06	110.68	ppb	140.01	37.80	3600	
Ba	137	115	2	-0.09	-0.09	-43.99	ppb	6.67	173.21	3600	
W	182	165	2	0.07	0.07	46.89	ppb	1406.87	17.78	3600	
Pt	195	165	2	0.01	0.01	25.25	ppb	113.34	10.19	3600	
Tl	205	165	2	0.01	0.01	45.47	ppb	313.36	24.17	3600	
Pb	208	165	2	-0.01	-0.01	-55.56	ppb	1073.44	9.19	3600	
Th	232	165	2	0.61	0.61	7.86	ppb	8349.63	6.41	3600	
U	238	165	2	0.02	0.02	19.35	ppb	473.38	17.08	3600	

QC ISTD Table

Element	m/z	Tune Step	CPS	%RSD	Ref CPS	%Rec	Lower Limit	Upper Limit	QC Flag
Li6	6	1	1464860	1.58	1785568	82.0	60	125	
Sc (IS)	45	2	982908	0.28	1044004	94.1	60	125	
Ge (IS)	72	1	20423469	1.44	25160288	81.2	60	125	
Ge (IS)	72	2	1372160	0.25	1449538	94.7	60	125	
115In	115	2	4008188	0.45	4071130	98.5	60	125	
Ho-165	165	2	25062999	1.25	25018358	100.2	60	125	

TuneStep	TuneFile	TuneDate
1	h2_hmi.u	5/2/2012 5:45:00 PM
2	he_hmi.u	5/2/2012 5:46:00 PM

Sample Report

Sample Name	LCS 280-117181/2-A
Data File Name	126SMPL.D
DataPath	d:\DATA\050212.B
Acq Date Time	2012-05-02T17:50:17-06:00
Type	Sample
VialNumber	4102
Dilution	1
Comment	117181 6020
Operator	LMT
ISTDRefDataFileName	121CALB.D
SamplePassFail	Pass
ISTD PassFail	Pass

QC Analyte Table

Element	m/z	ISTD	Tune Step	Meas Value	FinalConc	%RSD	Units	CPS	CPS %RSD	High Value	QC Flag
Be	9	6	1	36.03	36.03	2.51	ppb	14447.35	0.81	3600	
Na	23	45	2	-40.81	-40.81	-9.76	ppb	18810.72	4.15	1800000	
Mg	24	45	2	1.02	1.02	46.53	ppb	386.70	13.02	450000	
Al	27	45	2	0.84	0.84	132.41	ppb	40.00	50.01	450000	
K	39	45	2	-2.90	-2.90	-254.41	ppb	1626.87	17.75	180000	
Ca	44	45	2	7.10	7.10	259.30	ppb	53.34	78.07	450000	
V	51	72	2	39.14	39.14	5.37	ppb	49059.26	5.15	3600	
Cr	52	72	2	39.86	39.86	1.98	ppb	73035.28	2.19	3600	
Mn	55	72	2	41.52	41.52	4.57	ppb	24545.08	4.18	3600	
Fe	57	72	2	1.74	1.74	19.30	ppb	193.35	5.98	90000	
Co	59	72	2	40.88	40.88	0.47	ppb	154615.70	0.91	3600	
Ni	60	72	2	41.09	41.09	1.21	ppb	45319.57	0.77	3600	
Cu	63	72	2	41.23	41.23	1.73	ppb	135206.59	1.48	3600	
Zn	66	72	2	34.98	34.98	2.37	ppb	10870.88	2.37	3600	
As	75	72	2	36.09	36.09	9.42	ppb	5387.74	9.84	3600	
Se	78	72	1	31.64	31.64	0.79	ppb	21428.97	0.39	3600	
Nb	93	72	2	0.28	0.28	24.76	ppb	1493.53	20.15	7200	
Mo	95	115	2	38.56	38.56	3.03	ppb	51009.97	3.22	3600	
Pd	105	115	2	0.01	0.01	173.21	ppb	26.67	173.21	3600	
Ag	107	115	2	40.42	40.42	1.14	ppb	231030.27	1.32	900	
Cd	111	115	2	38.37	38.37	3.02	ppb	21007.63	2.99	3600	
Sn	120	115	2	39.97	39.97	0.77	ppb	49915.30	0.96	3600	
Sb	121	115	2	38.15	38.15	3.64	ppb	30375.82	3.41	3600	
Ba	137	115	2	40.45	40.45	8.05	ppb	11204.70	7.73	3600	
W	182	165	2	0.01	0.01	414.26	ppb	953.46	25.29	3600	
Pt	195	165	2	0.02	0.02	21.99	ppb	166.68	13.85	3600	
Tl	205	165	2	41.52	41.52	1.06	ppb	454824.00	0.10	3600	
Pb	208	165	2	41.54	41.54	0.10	ppb	572369.58	1.17	3600	
Th	232	165	2	41.20	41.20	1.19	ppb	534952.36	0.28	3600	
U	238	165	2	41.45	41.45	0.96	ppb	668463.12	0.35	3600	

QC ISTD Table

Element	m/z	Tune Step	CPS	%RSD	Ref CPS	%Rec	Lower Limit	Upper Limit	QC Flag
Li6	6	1	1453523	2.10	1785568	81.4	60	125	
Sc (IS)	45	2	973931	1.19	1044004	93.3	60	125	
Ge (IS)	72	1	20385907	0.94	25160288	81.0	60	125	
Ge (IS)	72	2	1361099	0.44	1449538	93.9	60	125	
115In	115	2	3985870	0.34	4071130	97.9	60	125	
Ho-165	165	2	24688744	1.16	25018358	98.7	60	125	

TuneStep	TuneFile	TuneDate
1	h2_hmi.u	5/2/2012 5:48:00 PM
2	he_hmi.u	5/2/2012 5:49:00 PM

Sample Report

Sample Name	LCSD 280-117181/3-A
Data File Name	127SMPL.D
DataPath	d:\DATA\050212.B
Acq Date Time	2012-05-02T17:53:17-06:00
Type	Sample
VialNumber	4103
Dilution	1
Comment	117181 6020
Operator	LMT
ISTDRefDataFileName	121CALB.D
SamplePassFail	Pass
ISTD PassFail	Pass

QC Analyte Table

Element	m/z	ISTD	Tune Step	Meas Value	FinalConc	%RSD	Units	CPS	CPS %RSD	High Value	QC Flag
Be	9	6	1	38.68	38.68	11.71	ppb	14829.36	8.07	3600	
Na	23	45	2	-39.55	-39.55	-12.99	ppb	18817.89	5.90	1800000	
Mg	24	45	2	0.26	0.26	125.27	ppb	306.70	9.96	450000	
Al	27	45	2	0.88	0.88	222.99	ppb	40.00	86.61	450000	
K	39	45	2	-2.14	-2.14	-149.43	ppb	1633.57	7.38	180000	
Ca	44	45	2	1.38	1.38	1290.36	ppb	40.00	100.00	450000	
V	51	72	2	42.46	42.46	6.58	ppb	52286.74	6.60	3600	
Cr	52	72	2	41.45	41.45	0.49	ppb	74594.78	0.94	3600	
Mn	55	72	2	41.54	41.54	3.10	ppb	24131.01	3.08	3600	
Fe	57	72	2	2.22	2.22	106.97	ppb	206.69	40.29	90000	
Co	59	72	2	40.96	40.96	1.63	ppb	152175.92	1.18	3600	
Ni	60	72	2	41.65	41.65	2.82	ppb	45119.52	2.58	3600	
Cu	63	72	2	42.11	42.11	0.97	ppb	135630.83	0.96	3600	
Zn	66	72	2	36.03	36.03	10.67	ppb	10991.04	10.24	3600	
As	75	72	2	35.29	35.29	3.96	ppb	5174.29	3.69	3600	
Se	78	72	1	32.26	32.26	13.81	ppb	21087.26	8.02	3600	
Nb	93	72	2	0.15	0.15	21.05	ppb	913.44	14.08	7200	
Mo	95	115	2	40.36	40.36	2.45	ppb	52742.81	2.83	3600	
Pd	105	115	2	0.01	0.01	91.68	ppb	33.34	91.66	3600	
Ag	107	115	2	40.93	40.93	0.59	ppb	231086.22	0.25	900	
Cd	111	115	2	38.25	38.25	3.39	ppb	20687.49	3.15	3600	
Sn	120	115	2	40.64	40.64	2.63	ppb	50135.82	2.99	3600	
Sb	121	115	2	38.29	38.29	1.77	ppb	30114.98	1.36	3600	
Ba	137	115	2	40.55	40.55	2.05	ppb	11097.94	2.05	3600	
W	182	165	2	0.01	0.01	244.67	ppb	993.46	22.09	3600	
Pt	195	165	2	0.02	0.02	69.36	ppb	173.35	43.69	3600	
Tl	205	165	2	40.94	40.94	0.65	ppb	451877.30	0.76	3600	
Pb	208	165	2	41.01	41.01	1.27	ppb	569179.48	0.43	3600	
Th	232	165	2	41.41	41.41	1.71	ppb	541644.60	1.29	3600	
U	238	165	2	41.79	41.79	1.48	ppb	678913.32	0.65	3600	

QC ISTD Table

Element	m/z	Tune Step	CPS	%RSD	Ref CPS	%Rec	Lower Limit	Upper Limit	QC Flag
Li6	6	1	1393541	4.21	1785568	78.0	60	125	
Sc (IS)	45	2	958756	0.60	1044004	91.8	60	125	
Ge (IS)	72	1	19777966	5.73	25160288	78.6	60	125	
Ge (IS)	72	2	1337173	0.45	1449538	92.2	60	125	
115In	115	2	3937399	0.42	4071130	96.7	60	125	
Ho-165	165	2	24872999	0.83	25018358	99.4	60	125	

TuneStep	TuneFile	TuneDate
1	h2_hmi.u	5/2/2012 5:51:00 PM
2	he_hmi.u	5/2/2012 5:52:00 PM

Sample Report

Sample Name	280-28131-S-1-A
Data File Name	128SMPL.D
DataPath	d:\DATA\050212.B
Acq Date Time	2012-05-02T17:56:16-06:00
Type	Sample
VialNumber	4104
Dilution	1
Comment	117181 6020
Operator	LMT
ISTDRefDataFileName	121CALB.D
SamplePassFail	Pass
ISTD PassFail	Pass

QC Analyte Table

Element	m/z	ISTD	Tune Step	Meas Value	FinalConc	%RSD	Units	CPS	CPS %RSD	High Value	QC Flag
Be	9	6	1	0.04	0.04	107.21	ppb	15.00	88.19	3600	
Na	23	45	2	257268.92	257268.92	1.12	ppb	59483720.78	1.15	1800000	
Mg	24	45	2	172.03	172.03	4.06	ppb	16435.16	3.91	450000	
Al	27	45	2	122.58	122.58	5.64	ppb	2153.66	5.44	450000	
K	39	45	2	12024.07	12024.07	1.89	ppb	477778.53	1.94	180000	
Ca	44	45	2	12213.72	12213.72	4.52	ppb	26701.68	4.64	450000	
V	51	72	2	0.53	0.53	29.72	ppb	676.50	26.55	3600	
Cr	52	72	2	0.41	0.41	8.83	ppb	840.10	6.30	3600	
Mn	55	72	2	0.80	0.80	19.85	ppb	513.39	18.00	3600	
Fe	57	72	2	24.22	24.22	17.73	ppb	926.78	15.61	90000	
Co	59	72	2	0.04	0.04	15.63	ppb	146.68	15.75	3600	
Ni	60	72	2	0.27	0.27	23.06	ppb	433.39	14.10	3600	
Cu	63	72	2	0.25	0.25	53.98	ppb	2427.08	16.66	3600	
Zn	66	72	2	1.64	1.64	32.87	ppb	720.08	21.70	3600	
As	75	72	2	0.48	0.48	84.35	ppb	66.67	85.30	3600	
Se	78	72	1	0.16	0.16	35.87	ppb	106.67	31.89	3600	
Nb	93	72	2	0.14	0.14	26.06	ppb	833.45	18.02	7200	
Mo	95	115	2	7.85	7.85	7.71	ppb	9490.10	6.82	3600	
Pd	105	115	2	0.03	0.03	35.26	ppb	66.67	34.65	3600	
Ag	107	115	2	0.01	0.01	58.34	ppb	100.01	40.00	900	
Cd	111	115	2	-0.02	-0.02	-125.02	ppb	26.67	43.30	3600	
Sn	120	115	2	0.23	0.23	7.28	ppb	473.39	4.88	3600	
Sb	121	115	2	0.14	0.14	31.62	ppb	186.69	16.37	3600	
Ba	137	115	2	20.62	20.62	6.65	ppb	5227.96	6.42	3600	
W	182	165	2	1.55	1.55	2.99	ppb	11398.27	2.12	3600	
Pt	195	165	2	0.01	0.01	68.47	ppb	120.01	33.33	3600	
Tl	205	165	2	0.10	0.10	9.44	ppb	1120.18	7.78	3600	
Pb	208	165	2	0.06	0.06	34.81	ppb	1913.58	13.07	3600	
Th	232	165	2	0.76	0.76	5.14	ppb	9557.19	5.55	3600	
U	238	165	2	0.14	0.14	24.12	ppb	2127.04	22.99	3600	

QC ISTD Table

Element	m/z	Tune Step	CPS	%RSD	Ref CPS	%Rec	Lower Limit	Upper Limit	QC Flag
Li6	6	1	1297238	1.51	1785568	72.7	60	125	
Sc (IS)	45	2	934623	0.15	1044004	89.5	60	125	
Ge (IS)	72	1	17622092	0.83	25160288	70.0	60	125	
Ge (IS)	72	2	1258386	1.06	1449538	86.8	60	125	
115In	115	2	3638157	1.08	4071130	89.4	60	125	
Ho-165	165	2	23104985	0.76	25018358	92.4	60	125	

TuneStep	TuneFile	TuneDate
1	h2_hmi.u	5/2/2012 5:54:00 PM
2	he_hmi.u	5/2/2012 5:54:00 PM

Sample Report

Sample Name	280-28131-S-3-A
Data File Name	129SMPL.D
DataPath	d:\DATA\050212.B
Acq Date Time	2012-05-02T17:59:15-06:00
Type	Sample
VialNumber	4105
Dilution	1
Comment	117181 6020
Operator	LMT
ISTDRefDataFileName	121CALB.D
SamplePassFail	Pass
ISTD PassFail	Pass

QC Analyte Table

Element	m/z	ISTD	Tune Step	Meas Value	FinalConc	%RSD	Units	CPS	CPS%RSD	High Value	QC Flag
Be	9	6	1	0.00	0.00	469.97	ppb	3.33	86.60	3600	
Na	23	45	2	257024.70	257024.70	1.16	ppb	60939009.09	1.44	1800000	
Mg	24	45	2	156.38	156.38	1.86	ppb	15347.62	2.54	450000	
Al	27	45	2	160.78	160.78	17.38	ppb	2887.13	16.61	450000	
K	39	45	2	14268.15	14268.15	0.88	ppb	581058.53	1.47	180000	
Ca	44	45	2	12705.01	12705.01	1.46	ppb	28477.69	0.79	450000	
V	51	72	2	0.29	0.29	55.23	ppb	402.87	47.72	3600	
Cr	52	72	2	0.21	0.21	43.58	ppb	506.72	29.63	3600	
Mn	55	72	2	0.46	0.46	37.05	ppb	326.70	27.61	3600	
Fe	57	72	2	9.54	9.54	12.31	ppb	440.04	7.87	90000	
Co	59	72	2	0.02	0.02	91.52	ppb	66.68	91.65	3600	
Ni	60	72	2	0.44	0.44	51.61	ppb	606.74	39.05	3600	
Cu	63	72	2	0.09	0.09	57.85	ppb	1960.25	7.14	3600	
Zn	66	72	2	0.16	0.16	105.56	ppb	306.70	16.41	3600	
As	75	72	2	0.50	0.50	13.96	ppb	70.00	14.29	3600	
Se	78	72	1	0.08	0.08	17.39	ppb	61.33	13.58	3600	
Nb	93	72	2	0.10	0.10	22.83	ppb	660.07	13.89	7200	
Mo	95	115	2	10.08	10.08	8.70	ppb	12198.59	8.72	3600	
Pd	105	115	2	0.01	0.01	173.21	ppb	20.00	173.21	3600	
Ag	107	115	2	0.01	0.01	132.41	ppb	60.01	66.67	900	
Cd	111	115	2	0.05	0.05	219.12	ppb	60.00	88.20	3600	
Sn	120	115	2	0.02	0.02	168.71	ppb	226.69	13.48	3600	
Sb	121	115	2	0.11	0.11	69.48	ppb	160.02	33.07	3600	
Ba	137	115	2	20.05	20.05	5.42	ppb	5087.94	5.37	3600	
W	182	165	2	2.19	2.19	3.53	ppb	15688.80	3.16	3600	
Pt	195	165	2	0.00	0.00	-2693.33	ppb	60.01	57.74	3600	
Tl	205	165	2	0.00	0.00	144.61	ppb	173.35	26.65	3600	
Pb	208	165	2	0.05	0.05	43.54	ppb	1806.89	15.11	3600	
Th	232	165	2	0.12	0.12	10.32	ppb	1793.61	8.37	3600	
U	238	165	2	0.04	0.04	28.56	ppb	740.09	25.78	3600	

QC ISTD Table

Element	m/z	Tune Step	CPS	%RSD	Ref CPS	%Rec	Lower Limit	Upper Limit	QC Flag
Li6	6	1	1426214	1.41	1785568	79.9	60	125	
Sc (IS)	45	2	958410	1.03	1044004	91.8	60	125	
Ge (IS)	72	1	18581493	0.20	25160288	73.9	60	125	
Ge (IS)	72	2	1264150	1.04	1449538	87.2	60	125	
115In	115	2	3640122	0.21	4071130	89.4	60	125	
Ho-165	165	2	23043669	0.31	25018358	92.1	60	125	

TuneStep	TuneFile	TuneDate
1	h2_hmi.u	5/2/2012 5:57:00 PM
2	he_hmi.u	5/2/2012 5:57:00 PM

Sample Report

Sample Name	280-28131-S-4-B
Data File Name	130SMPL.D
DataPath	d:\DATA\050212.B
Acq Date Time	2012-05-02T18:02:14-06:00
Type	Sample
VialNumber	4106
Dilution	1
Comment	117181 6020
Operator	LMT
ISTDRefDataFileName	121CALB.D
SamplePassFail	Pass
ISTD PassFail	Pass

QC Analyte Table

Element	m/z	ISTD	Tune Step	Meas Value	FinalConc	%RSD	Units	CPS	CPS %RSD	High Value	QC Flag
Be	9	6	1	0.02	0.02	1.06	ppb	10.00	0.00	3600	
Na	23	45	2	253062.40	253062.40	1.12	ppb	60617200.76	0.23	1800000	
Mg	24	45	2	170.75	170.75	3.74	ppb	16902.45	3.49	450000	
Al	27	45	2	155.30	155.30	5.49	ppb	2820.48	5.54	450000	
K	39	45	2	13955.65	13955.65	1.03	ppb	574218.62	0.80	180000	
Ca	44	45	2	12071.48	12071.48	1.53	ppb	27342.71	2.05	450000	
V	51	72	2	0.43	0.43	11.61	ppb	562.09	10.73	3600	
Cr	52	72	2	0.18	0.18	67.88	ppb	466.71	45.42	3600	
Mn	55	72	2	0.57	0.57	44.97	ppb	393.37	36.08	3600	
Fe	57	72	2	12.98	12.98	41.67	ppb	560.10	32.14	90000	
Co	59	72	2	0.05	0.05	61.38	ppb	186.69	61.86	3600	
Ni	60	72	2	0.30	0.30	50.12	ppb	466.71	32.73	3600	
Cu	63	72	2	0.30	0.30	30.73	ppb	2620.45	10.69	3600	
Zn	66	72	2	0.17	0.17	246.71	ppb	313.37	39.00	3600	
As	75	72	2	0.38	0.38	43.71	ppb	53.33	43.30	3600	
Se	78	72	1	0.15	0.15	33.93	ppb	108.00	29.63	3600	
Nb	93	72	2	0.05	0.05	35.40	ppb	480.04	15.02	7200	
Mo	95	115	2	9.84	9.84	4.82	ppb	11978.34	5.02	3600	
Pd	105	115	2	0.01	0.01	99.96	ppb	20.00	100.00	3600	
Ag	107	115	2	0.01	0.01	96.26	ppb	73.34	56.78	900	
Cd	111	115	2	0.11	0.11	122.44	ppb	93.34	75.26	3600	
Sn	120	115	2	0.08	0.08	155.55	ppb	300.03	46.67	3600	
Sb	121	115	2	0.02	0.02	670.52	ppb	100.01	105.83	3600	
Ba	137	115	2	18.75	18.75	5.46	ppb	4787.72	5.52	3600	
W	182	165	2	2.15	2.15	4.70	ppb	15555.61	4.04	3600	
Pt	195	165	2	0.00	0.00	291.70	ppb	80.00	66.15	3600	
Tl	205	165	2	0.07	0.07	31.24	ppb	840.11	25.76	3600	
Pb	208	165	2	0.06	0.06	10.82	ppb	1913.55	4.71	3600	
Th	232	165	2	0.08	0.08	20.04	ppb	1240.17	15.56	3600	
U	238	165	2	0.14	0.14	7.40	ppb	2180.37	7.34	3600	

QC ISTD Table

Element	m/z	Tune Step	CPS	%RSD	Ref CPS	%Rec	Lower Limit	Upper Limit	QC Flag
Li6	6	1	1455344	0.77	1785568	81.5	60	125	
Sc (IS)	45	2	968322	0.90	1044004	92.8	60	125	
Ge (IS)	72	1	19063132	0.78	25160288	75.8	60	125	
Ge (IS)	72	2	1276155	0.47	1449538	88.0	60	125	
115In	115	2	3661132	0.32	4071130	89.9	60	125	
Ho-165	165	2	23228316	0.56	25018358	92.8	60	125	

TuneStep	TuneFile	TuneDate
1	h2_hmi.u	5/2/2012 6:00:00 PM
2	he_hmi.u	5/2/2012 6:00:00 PM

Sample Report

Sample Name	280-28131-S-4-B sd@5
Data File Name	131SMPL.D
DataPath	d:\DATA\050212.B
Acq Date Time	2012-05-02T18:05:13-06:00
Type	Sample
VialNumber	4107
Dilution	1
Comment	117181 6020
Operator	LMT
ISTDRefDataFileName	121CALB.D
SamplePassFail	Pass
ISTD PassFail	Pass

QC Analyte Table

Element	m/z	ISTD	Tune Step	Meas Value	FinalConc	%RSD	Units	CPS	CPS %RSD	High Value	QC Flag
Be	9	6	1	0.00	0.00	-200.69	ppb	1.67	173.21	3600	
Na	23	45	2	50973.09	50973.09	0.43	ppb	12298866.07	0.76	1800000	
Mg	24	45	2	30.20	30.20	2.45	ppb	3240.56	1.63	450000	
Al	27	45	2	29.61	29.61	26.93	ppb	560.06	25.00	450000	
K	39	45	2	2803.20	2803.20	2.01	ppb	117348.07	1.22	180000	
Ca	44	45	2	2553.27	2553.27	7.62	ppb	5841.46	6.85	450000	
V	51	72	2	-0.07	-0.07	-164.33	ppb	-22.44	-627.32	3600	
Cr	52	72	2	-0.01	-0.01	-674.25	ppb	140.01	100.00	3600	
Mn	55	72	2	-0.05	-0.05	-112.21	ppb	53.34	57.29	3600	
Fe	57	72	2	4.78	4.78	42.81	ppb	300.03	24.04	90000	
Co	59	72	2	0.01	0.01	50.07	ppb	40.00	50.01	3600	
Ni	60	72	2	0.05	0.05	141.27	ppb	226.69	36.74	3600	
Cu	63	72	2	0.05	0.05	33.92	ppb	1960.29	2.70	3600	
Zn	66	72	2	0.94	0.94	44.65	ppb	560.06	22.30	3600	
As	75	72	2	0.18	0.18	42.75	ppb	26.67	43.30	3600	
Se	78	72	1	0.04	0.04	44.29	ppb	46.67	30.10	3600	
Nb	93	72	2	-0.02	-0.02	-108.40	ppb	213.35	44.31	7200	
Mo	95	115	2	1.74	1.74	6.88	ppb	2200.31	5.68	3600	
Pd	105	115	2	0.03	0.03	79.69	ppb	73.34	78.73	3600	
Ag	107	115	2	0.01	0.01	162.79	ppb	80.01	100.00	900	
Cd	111	115	2	-0.02	-0.02	-455.50	ppb	26.67	173.21	3600	
Sn	120	115	2	0.04	0.04	357.02	ppb	260.03	60.08	3600	
Sb	121	115	2	-0.02	-0.02	-454.89	ppb	73.34	83.33	3600	
Ba	137	115	2	4.09	4.09	33.06	ppb	1100.14	31.96	3600	
W	182	165	2	0.45	0.45	15.00	ppb	4007.60	11.41	3600	
Pt	195	165	2	0.01	0.01	94.28	ppb	120.01	44.09	3600	
Tl	205	165	2	0.01	0.01	70.20	ppb	266.70	31.23	3600	
Pb	208	165	2	0.01	0.01	57.11	ppb	1406.82	7.83	3600	
Th	232	165	2	-0.01	-0.01	-31.97	ppb	226.69	13.48	3600	
U	238	165	2	0.02	0.02	50.53	ppb	380.04	41.11	3600	

QC ISTD Table

Element	m/z	Tune Step	CPS	%RSD	Ref CPS	%Rec	Lower Limit	Upper Limit	QC Flag
Li6	6	1	1598670	1.50	1785568	89.5	60	125	
Sc (IS)	45	2	973516	0.84	1044004	93.2	60	125	
Ge (IS)	72	1	22082076	0.61	25160288	87.8	60	125	
Ge (IS)	72	2	1349767	0.50	1449538	93.1	60	125	
115In	115	2	3776055	1.16	4071130	92.8	60	125	
Ho-165	165	2	23961692	0.42	25018358	95.8	60	125	

TuneStep	TuneFile	TuneDate
1	h2_hmi.u	5/2/2012 6:03:00 PM
2	he_hmi.u	5/2/2012 6:03:00 PM

Continuing Calibration Verification (CCV) - US EPA Method 6020

Sample Name	ccv-1394868
Data File Name	1326CCV.D
DataPath	d:\DATA\050212.B
Acq Date Time	2012-05-02T18:08:12-06:00
Type	6-CCV
VialNumber	1106
Dilution	1
Comment	
Operator	LMT
ISTDRefDataFileName	121CALB.D
SamplePassFail	Pass
ISTD PassFail	Pass

QC Analyte Table

Element	m/z	ISTD	Tune Step	Meas Value	%RSD	Units	CPS	CPS%RSD	Exp Value	%Rec	QC Low	QC High	QC Flag
Be	9	6	1	51.27	1.58	ppb	22194.84	1.14	50	102.5	90	110	
Na	23	45	2	5182.51	1.09	ppb	1235327.22	0.47	5000	103.7	90	110	
Mg	24	45	2	5036.02	0.39	ppb	477309.88	0.55	5000	100.7	90	110	
Al	27	45	2	4912.36	1.63	ppb	86081.64	0.89	5000	98.2	90	110	
K	39	45	2	5005.92	1.06	ppb	201556.26	1.50	5000	100.1	90	110	
Ca	44	45	2	5067.05	1.52	ppb	11191.07	2.09	5000	101.3	90	110	
V	51	72	2	50.23	2.35	ppb	61730.44	2.20	50	100.5	90	110	
Cr	52	72	2	49.91	3.36	ppb	89622.86	3.25	50	99.8	90	110	
Mn	55	72	2	49.48	3.86	ppb	28678.06	4.01	50	99.0	90	110	
Fe	57	72	2	5074.54	1.25	ppb	179219.17	1.25	5000	101.5	90	110	
Co	59	72	2	49.89	0.75	ppb	185019.65	0.64	50	99.8	90	110	
Ni	60	72	2	51.19	3.78	ppb	55327.55	3.73	50	102.4	90	110	
Cu	63	72	2	50.74	0.74	ppb	162760.13	0.82	50	101.5	90	110	
Zn	66	72	2	49.31	4.74	ppb	14914.20	4.59	50	98.6	90	110	
As	75	72	2	53.06	6.89	ppb	7765.37	6.74	50	106.1	90	110	
Se	78	72	1	49.67	0.72	ppb	36716.17	1.37	50	99.3	90	110	
Nb	93	72	2	100.66	0.72	ppb	415625.05	0.82	100	100.7	90	110	
Mo	95	115	2	48.90	0.85	ppb	61998.96	1.08	50	97.8	90	110	
Pd	105	115	2	49.97	1.04	ppb	122457.56	0.59	50	99.9	90	110	
Ag	107	115	2	50.29	1.34	ppb	275559.38	1.59	50	100.6	90	110	
Cd	111	115	2	49.32	2.06	ppb	25880.82	2.21	50	98.6	90	110	
Sn	120	115	2	49.72	2.80	ppb	59473.15	2.49	50	99.4	90	110	
Sb	121	115	2	51.97	5.84	ppb	39628.59	5.33	50	103.9	90	110	
Ba	137	115	2	51.37	2.15	ppb	13633.40	1.96	50	102.7	90	110	
W	182	165	2	50.57	1.69	ppb	359350.27	0.84	50	101.1	90	110	
Pt	195	165	2	50.23	1.19	ppb	322344.77	0.52	50	100.5	90	110	
Tl	205	165	2	51.29	2.17	ppb	547939.12	1.50	50	102.6	90	110	
Pb	208	165	2	51.24	1.10	ppb	688238.09	0.25	50	102.5	90	110	
Th	232	165	2	50.96	1.49	ppb	645280.00	0.68	50	101.9	90	110	
U	238	165	2	51.36	0.92	ppb	807671.00	0.17	50	102.7	90	110	

QC ISTD Table

Element	m/z	Tune Step	CPS	%RSD	Ref CPS	%Rec	QC Low	QC High	QC Flag
Li6	6	1	1568845	0.67	1785568	87.9	60	125	
Sc (IS)	45	2	942401	0.77	1044004	90.3	60	125	
Ge (IS)	72	1	22255175	0.65	25160288	88.5	60	125	
Ge (IS)	72	2	1334824	0.16	1449538	92.1	60	125	
115In	115	2	3821134	0.50	4071130	93.9	60	125	
Ho-165	165	2	24078779	0.87	25018358	96.2	60	125	

TuneStep	TuneFile
1	h2_hmi.u
2	he_hmi.u

Continuing Calibration Blank (CCB) - US EPA Method 6020

Sample Name	ccb-1394903
Data File Name	1336CCB.D
DataPath	d:\DATA\050212.B
Acq Date Time	2012-05-02T18:11:10-06:00
Type	6-CCB
VialNumber	1306
Dilution	1
Comment	
Operator	LMT
ISTDRefDataFileName	121CALB.D
SamplePassFail	Pass
ISTD PassFail	Pass

QC Analyte Table

Element	m/z	ISTD	Tune Step	Meas Value	%RSD	Units	CPS	CPS %RSD	QC High	QC Flag
Be	9	6	1	0.01	202.84	ppb	6.67	114.56	1	
Na	23	45	2	-24.27	-16.02	ppb	20873.16	3.37	20	
Mg	24	45	2	0.49	124.45	ppb	306.69	19.92	20	
Al	27	45	2	1.87	189.05	ppb	53.34	108.26	20	
K	39	45	2	1.53	372.10	ppb	1653.57	9.08	20	
Ca	44	45	2	9.06	52.35	ppb	53.34	21.66	20	
V	51	72	2	0.03	489.64	ppb	103.16	191.32	1	
Cr	52	72	2	-0.02	-222.66	ppb	120.01	66.67	1	
Mn	55	72	2	0.01	81.64	ppb	80.01	0.00	1	
Fe	57	72	2	1.50	91.69	ppb	173.35	29.04	20	
Co	59	72	2	0.01	52.39	ppb	40.00	50.01	1	
Ni	60	72	2	0.06	88.00	ppb	213.35	19.51	1	
Cu	63	72	2	-0.03	-156.57	ppb	1606.90	11.23	1	
Zn	66	72	2	-0.22	-40.64	ppb	200.02	10.00	5	
As	75	72	2	0.17	28.19	ppb	23.33	24.74	5	
Se	78	72	1	0.03	117.60	ppb	37.33	71.34	5	
Nb	93	72	2	0.86	30.23	ppb	3634.03	24.48	5	
Mo	95	115	2	0.02	72.07	ppb	53.34	43.31	1	
Pd	105	115	2	0.03	4.32	ppb	80.01	0.00	1	
Ag	107	115	2	0.02	35.89	ppb	133.35	31.23	1	
Cd	111	115	2	0.03	125.26	ppb	53.34	43.31	1	
Sn	120	115	2	0.08	6.94	ppb	306.69	3.76	5	
Sb	121	115	2	0.11	122.43	ppb	166.68	60.40	0.2	
Ba	137	115	2	-0.12	0.00	ppb	0.00	#DIV/0!	1	
W	182	165	2	0.07	77.06	ppb	1320.21	23.81	1	
Pt	195	165	2	0.02	58.45	ppb	193.36	43.07	1	
Tl	205	165	2	0.01	44.17	ppb	293.36	20.83	1	
Pb	208	165	2	0.00	-621.84	ppb	1173.47	9.84	1	
Th	232	165	2	0.23	26.16	ppb	3087.29	18.58	1	
U	238	165	2	0.02	41.05	ppb	400.04	31.23	1	

QC ISTD Table

Element	m/z	Tune Step	CPS	%RSD	Ref CPS	%Rec	QC Low	QC High	QC Flag
Li6	6	1	1520334	0.51	1785568	85.1	60	125	
Sc (IS)	45	2	892671	5.40	1044004	85.5	60	125	
Ge (IS)	72	1	21451666	1.15	25160288	85.3	60	125	
Ge (IS)	72	2	1272637	4.04	1449538	87.8	60	125	
115In	115	2	3687192	4.32	4071130	90.6	60	125	
Ho-165	165	2	23380509	5.27	25018358	93.5	60	125	

TuneStep	TuneFile
1	h2_hmi.u
2	he_hmi.u

Sample Report

Sample Name	280-28131-S-4-C MS
Data File Name	134SMPL.D
DataPath	d:\DATA\050212.B
Acq Date Time	2012-05-02T18:14:08-06:00
Type	Sample
VialNumber	4108
Dilution	1
Comment	117181 6020
Operator	LMT
ISTDRefDataFileName	121CALB.D
SamplePassFail	Pass
ISTD PassFail	Pass

QC Analyte Table

Element	m/z	ISTD	Tune Step	Meas Value	FinalConc	%RSD	Units	CPS	CPS %RSD	High Value	QC Flag
Be	9	6	1	36.43	36.43	1.18	ppb	12744.46	2.83	3600	
Na	23	45	2	244200.90	244200.90	3.44	ppb	54513450.86	2.17	1800000	
Mg	24	45	2	148.39	148.39	5.32	ppb	13719.58	3.37	450000	
Al	27	45	2	144.98	144.98	6.41	ppb	2453.70	4.19	450000	
K	39	45	2	13337.37	13337.37	1.46	ppb	511590.91	1.23	180000	
Ca	44	45	2	11855.87	11855.87	4.18	ppb	25019.06	2.08	450000	
V	51	72	2	41.58	41.58	3.28	ppb	46092.16	2.25	3600	
Cr	52	72	2	39.66	39.66	4.55	ppb	64249.83	3.57	3600	
Mn	55	72	2	40.89	40.89	3.39	ppb	21380.79	2.57	3600	
Fe	57	72	2	5.81	5.81	55.55	ppb	300.03	33.33	90000	
Co	59	72	2	39.08	39.08	5.88	ppb	130685.84	4.98	3600	
Ni	60	72	2	38.28	38.28	7.42	ppb	37334.20	6.37	3600	
Cu	63	72	2	38.96	38.96	4.58	ppb	113067.55	3.58	3600	
Zn	66	72	2	32.72	32.72	12.91	ppb	9003.05	11.60	3600	
As	75	72	2	37.90	37.90	0.41	ppb	5004.25	1.42	3600	
Se	78	72	1	28.13	28.13	2.19	ppb	15793.82	2.46	3600	
Nb	93	72	2	0.56	0.56	20.68	ppb	2353.70	17.43	7200	
Mo	95	115	2	47.77	47.77	3.41	ppb	56820.86	2.84	3600	
Pd	105	115	2	0.00	0.00	173.21	ppb	6.67	173.21	3600	
Ag	107	115	2	36.01	36.01	3.02	ppb	185072.37	0.31	900	
Cd	111	115	2	35.65	35.65	3.42	ppb	17570.32	6.04	3600	
Sn	120	115	2	36.81	36.81	4.55	ppb	41345.74	3.52	3600	
Sb	121	115	2	36.19	36.19	7.39	ppb	25894.76	4.59	3600	
Ba	137	115	2	60.14	60.14	4.26	ppb	14960.99	1.49	3600	
W	182	165	2	2.15	2.15	1.79	ppb	15562.01	1.54	3600	
Pt	195	165	2	0.01	0.01	226.77	ppb	100.01	87.18	3600	
Tl	205	165	2	38.25	38.25	2.89	ppb	393904.47	1.83	3600	
Pb	208	165	2	37.90	37.90	4.94	ppb	490796.64	2.97	3600	
Th	232	165	2	39.73	39.73	4.20	ppb	484822.60	1.96	3600	
U	238	165	2	39.84	39.84	3.82	ppb	603854.14	1.65	3600	

QC ISTD Table

Element	m/z	Tune Step	CPS	%RSD	Ref CPS	%Rec	Lower Limit	Upper Limit	QC Flag
Li6	6	1	1267613	2.26	1785568	71.0	60	125	
Sc (IS)	45	2	902752	2.54	1044004	86.5	60	125	
Ge (IS)	72	1	16900568	0.33	25160288	67.2	60	125	
Ge (IS)	72	2	1203954	1.07	1449538	83.1	60	125	
115In	115	2	3585827	2.92	4071130	88.1	60	125	
Ho-165	165	2	23215351	2.27	25018358	92.8	60	125	

TuneStep	TuneFile	TuneDate
1	h2_hmi.u	5/2/2012 6:12:00 PM
2	he_hmi.u	5/2/2012 6:12:00 PM

Sample Report

Sample Name	280-28131-S-4-D MSD
Data File Name	135SMPL.D
DataPath	d:\DATA\050212.B
Acq Date Time	2012-05-02T18:17:08-06:00
Type	Sample
VialNumber	4109
Dilution	1
Comment	117181 6020
Operator	LMT
ISTDRefDataFileName	121CALB.D
SamplePassFail	Pass
ISTD PassFail	Pass

QC Analyte Table

Element	m/z	ISTD	Tune Step	Meas Value	FinalConc	%RSD	Units	CPS	CPS %RSD	High Value	QC Flag
Be	9	6	1	35.77	35.77	3.74	ppb	13219.77	3.79	3600	
Na	23	45	2	257584.98	257584.98	0.58	ppb	56618635.82	1.23	1800000	
Mg	24	45	2	155.44	155.44	3.03	ppb	14146.64	4.22	450000	
Al	27	45	2	156.53	156.53	6.61	ppb	2607.11	5.66	450000	
K	39	45	2	14033.25	14033.25	1.33	ppb	529809.55	1.21	180000	
Ca	44	45	2	12827.51	12827.51	5.13	ppb	26654.46	4.95	450000	
V	51	72	2	43.15	43.15	9.11	ppb	47505.83	8.95	3600	
Cr	52	72	2	40.45	40.45	4.21	ppb	65065.21	2.67	3600	
Mn	55	72	2	43.20	43.20	4.95	ppb	22422.15	3.59	3600	
Fe	57	72	2	7.40	7.40	110.91	ppb	346.71	73.05	90000	
Co	59	72	2	41.81	41.81	2.58	ppb	138898.67	2.32	3600	
Ni	60	72	2	41.10	41.10	5.53	ppb	39799.41	4.03	3600	
Cu	63	72	2	40.25	40.25	3.07	ppb	115940.40	1.73	3600	
Zn	66	72	2	35.47	35.47	8.12	ppb	9670.04	6.43	3600	
As	75	72	2	38.00	38.00	5.54	ppb	4984.26	6.73	3600	
Se	78	72	1	28.59	28.59	1.64	ppb	16643.92	1.67	3600	
Nb	93	72	2	0.23	0.23	8.87	ppb	1120.14	8.18	7200	
Mo	95	115	2	51.25	51.25	6.05	ppb	59276.13	2.67	3600	
Pd	105	115	2	0.01	0.01	36.58	ppb	33.33	34.64	3600	
Ag	107	115	2	38.41	38.41	4.83	ppb	192020.90	1.51	900	
Cd	111	115	2	34.86	34.86	10.77	ppb	16689.40	9.10	3600	
Sn	120	115	2	39.85	39.85	1.65	ppb	43564.94	1.84	3600	
Sb	121	115	2	36.62	36.62	5.23	ppb	25507.50	1.95	3600	
Ba	137	115	2	63.47	63.47	4.59	ppb	15388.19	6.81	3600	
W	182	165	2	2.09	2.09	7.43	ppb	14667.89	5.71	3600	
Pt	195	165	2	0.00	0.00	262.40	ppb	80.01	66.15	3600	
Tl	205	165	2	39.54	39.54	2.54	ppb	395277.78	0.47	3600	
Pb	208	165	2	40.06	40.06	3.20	ppb	503687.62	1.33	3600	
Th	232	165	2	42.01	42.01	4.11	ppb	497760.34	2.21	3600	
U	238	165	2	41.67	41.67	3.33	ppb	613256.75	1.24	3600	

QC ISTD Table

Element	m/z	Tune Step	CPS	%RSD	Ref CPS	%Rec	Lower Limit	Upper Limit	QC Flag
Li6	6	1	1339365	0.72	1785568	75.0	60	125	
Sc (IS)	45	2	888559	1.63	1044004	85.1	60	125	
Ge (IS)	72	1	17522514	0.74	25160288	69.6	60	125	
Ge (IS)	72	2	1195628	1.52	1449538	82.5	60	125	
115In	115	2	3490328	3.46	4071130	85.7	60	125	
Ho-165	165	2	22539771	2.11	25018358	90.1	60	125	

TuneStep	TuneFile	TuneDate
1	h2_hmi.u	5/2/2012 6:15:00 PM
2	he_hmi.u	5/2/2012 6:15:00 PM

Sample Report

Sample Name	280-28131-S-4-B pds
Data File Name	136SMPL.D
DataPath	d:\DATA\050212.B
Acq Date Time	2012-05-02T18:20:06-06:00
Type	Sample
VialNumber	4110
Dilution	1
Comment	117181 6020
Operator	LMT
ISTDRefDataFileName	121CALB.D
SamplePassFail	Pass
ISTD PassFail	Pass

QC Analyte Table

Element	m/z	ISTD	Tune Step	Meas Value	FinalConc	%RSD	Units	CPS	CPS %RSD	High Value	QC Flag
Be	9	6	1	183.63	183.63	1.36	ppb	68406.76	0.63	3600	
Na	23	45	2	250234.58	250234.58	0.66	ppb	55535379.17	1.19	1800000	
Mg	24	45	2	153.40	153.40	5.77	ppb	14093.12	5.19	450000	
Al	27	45	2	157.74	157.74	14.03	ppb	2653.74	13.91	450000	
K	39	45	2	13689.74	13689.74	1.24	ppb	521872.24	0.90	180000	
Ca	44	45	2	12641.49	12641.49	1.91	ppb	26527.72	2.73	450000	
V	51	72	2	213.95	213.95	1.34	ppb	234449.90	1.92	3600	
Cr	52	72	2	204.26	204.26	0.37	ppb	326859.89	0.95	3600	
Mn	55	72	2	208.77	208.77	1.80	ppb	107715.79	1.73	3600	
Fe	57	72	2	13.72	13.72	27.50	ppb	546.73	22.36	90000	
Co	59	72	2	207.99	207.99	0.42	ppb	688285.35	0.62	3600	
Ni	60	72	2	203.41	203.41	1.64	ppb	195699.07	1.07	3600	
Cu	63	72	2	202.58	202.58	0.44	ppb	575047.33	0.68	3600	
Zn	66	72	2	173.35	173.35	0.18	ppb	46161.70	0.64	3600	
As	75	72	2	182.89	182.89	0.88	ppb	23883.23	0.31	3600	
Se	78	72	1	163.06	163.06	1.04	ppb	96059.26	0.17	3600	
Nb	93	72	2	0.17	0.17	66.15	ppb	886.79	47.01	7200	
Mo	95	115	2	211.55	211.55	0.71	ppb	245201.28	0.88	3600	
Pd	105	115	2	0.01	0.01	86.60	ppb	13.33	86.60	3600	
Ag	107	115	2	129.11	129.11	32.85	ppb	647443.79	33.20	900	
Cd	111	115	2	186.70	186.70	1.01	ppb	89480.20	0.61	3600	
Sn	120	115	2	199.40	199.40	2.17	ppb	217503.73	1.81	3600	
Sb	121	115	2	192.35	192.35	1.15	ppb	133939.36	1.16	3600	
Ba	137	115	2	228.55	228.55	6.29	ppb	55366.80	6.17	3600	
W	182	165	2	2.13	2.13	3.59	ppb	14968.00	3.76	3600	
Pt	195	165	2	0.00	0.00	-259.51	ppb	40.00	132.29	3600	
Tl	205	165	2	200.56	200.56	2.00	ppb	2007107.52	1.53	3600	
Pb	208	165	2	200.10	200.10	0.32	ppb	2514960.44	0.27	3600	
Th	232	165	2	211.68	211.68	1.60	ppb	2510511.68	1.55	3600	
U	238	165	2	211.31	211.31	0.92	ppb	3113638.39	0.36	3600	

QC ISTD Table

Element	m/z	Tune Step	CPS	%RSD	Ref CPS	%Rec	Lower Limit	Upper Limit	QC Flag
Li6	6	1	1350238	0.80	1785568	75.6	60	125	
Sc (IS)	45	2	897097	0.86	1044004	85.9	60	125	
Ge (IS)	72	1	17744145	0.89	25160288	70.5	60	125	
Ge (IS)	72	2	1190966	0.60	1449538	82.2	60	125	
115In	115	2	3494186	0.42	4071130	85.8	60	125	
Ho-165	165	2	22561530	0.60	25018358	90.2	60	125	

TuneStep	TuneFile	TuneDate
1	h2_hmi.u	5/2/2012 6:18:00 PM
2	he_hmi.u	5/2/2012 6:18:00 PM

Sample Report

Sample Name	280-28131-S-5-A
Data File Name	137SMPL.D
DataPath	d:\DATA\050212.B
Acq Date Time	2012-05-02T18:23:05-06:00
Type	Sample
VialNumber	4111
Dilution	1
Comment	117181 6020
Operator	LMT
ISTDRefDataFileName	121CALB.D
SamplePassFail	Pass
ISTD PassFail	Pass

QC Analyte Table

Element	m/z	ISTD	Tune Step	Meas Value	FinalConc	%RSD	Units	CPS	CPS %RSD	High Value	QC Flag
Be	9	6	1	0.08	0.08	40.30	ppb	35.00	37.80	3600	
Na	23	45	2	42.47	42.47	33.11	ppb	37012.80	8.71	1800000	
Mg	24	45	2	2.09	2.09	69.90	ppb	466.71	28.54	450000	
Al	27	45	2	-0.99	-0.99	-65.98	ppb	6.67	173.21	450000	
K	39	45	2	0.29	0.29	2436.53	ppb	1673.54	14.95	180000	
Ca	44	45	2	4.91	4.91	462.30	ppb	46.67	107.86	450000	
V	51	72	2	-0.05	-0.05	-287.80	ppb	2.14	7806.13	3600	
Cr	52	72	2	0.09	0.09	86.39	ppb	313.36	42.50	3600	
Mn	55	72	2	0.16	0.16	79.10	ppb	166.68	42.14	3600	
Fe	57	72	2	5.78	5.78	38.04	ppb	320.02	21.65	90000	
Co	59	72	2	0.05	0.05	14.51	ppb	186.69	16.36	3600	
Ni	60	72	2	0.06	0.06	287.99	ppb	226.69	84.79	3600	
Cu	63	72	2	0.18	0.18	20.76	ppb	2287.02	3.64	3600	
Zn	66	72	2	0.10	0.10	445.96	ppb	293.36	41.10	3600	
As	75	72	2	0.24	0.24	75.44	ppb	33.33	75.50	3600	
Se	78	72	1	0.14	0.14	18.40	ppb	108.00	16.14	3600	
Nb	93	72	2	0.07	0.07	99.43	ppb	566.74	50.08	7200	
Mo	95	115	2	0.13	0.13	68.66	ppb	193.35	56.97	3600	
Pd	105	115	2	0.00	0.00	173.21	ppb	6.67	173.21	3600	
Ag	107	115	2	1.20	1.20	5.47	ppb	6601.86	6.31	900	
Cd	111	115	2	0.04	0.04	159.72	ppb	60.00	57.74	3600	
Sn	120	115	2	0.28	0.28	28.39	ppb	546.73	14.78	3600	
Sb	121	115	2	0.63	0.63	11.81	ppb	566.74	11.35	3600	
Ba	137	115	2	0.26	0.26	103.30	ppb	100.02	72.12	3600	
W	182	165	2	0.06	0.06	37.30	ppb	1300.18	11.62	3600	
Pt	195	165	2	0.01	0.01	48.34	ppb	113.35	20.37	3600	
Tl	205	165	2	0.05	0.05	7.71	ppb	733.42	6.30	3600	
Pb	208	165	2	0.08	0.08	4.10	ppb	2246.94	1.85	3600	
Th	232	165	2	1.48	1.48	2.98	ppb	19180.08	1.26	3600	
U	238	165	2	0.10	0.10	9.01	ppb	1700.27	8.48	3600	

QC ISTD Table

Element	m/z	Tune Step	CPS	%RSD	Ref CPS	%Rec	Lower Limit	Upper Limit	QC Flag
Li6	6	1	1466941	1.10	1785568	82.2	60	125	
Sc (IS)	45	2	927455	2.02	1044004	88.8	60	125	
Ge (IS)	72	1	20203510	0.44	25160288	80.3	60	125	
Ge (IS)	72	2	1289225	1.83	1449538	88.9	60	125	
115In	115	2	3817189	2.62	4071130	93.8	60	125	
Ho-165	165	2	24214810	1.73	25018358	96.8	60	125	

TuneStep	TuneFile	TuneDate
1	h2_hmi.u	5/2/2012 6:21:00 PM
2	he_hmi.u	5/2/2012 6:21:00 PM

Sample Report

Sample Name	280-28131-S-6-A
Data File Name	138SMPL.D
DataPath	d:\DATA\050212.B
Acq Date Time	2012-05-02T18:26:05-06:00
Type	Sample
VialNumber	4112
Dilution	1
Comment	117181 6020
Operator	LMT
ISTDRefDataFileName	121CALB.D
SamplePassFail	Pass
ISTD PassFail	Pass

QC Analyte Table

Element	m/z	ISTD	Tune Step	Meas Value	FinalConc	%RSD	Units	CPS	CPS %RSD	High Value	QC Flag
Be	9	6	1	0.03	0.03	70.41	ppb	15.00	57.74	3600	
Na	23	45	2	-12.95	-12.95	-45.24	ppb	23957.03	4.58	1800000	
Mg	24	45	2	2.60	2.60	61.48	ppb	506.72	28.01	450000	
Al	27	45	2	1.77	1.77	101.63	ppb	53.34	57.29	450000	
K	39	45	2	-5.72	-5.72	-25.30	ppb	1420.20	4.88	180000	
Ca	44	45	2	36.69	36.69	39.34	ppb	113.34	26.95	450000	
V	51	72	2	-0.02	-0.02	-461.30	ppb	37.70	272.19	3600	
Cr	52	72	2	0.10	0.10	32.71	ppb	326.70	17.68	3600	
Mn	55	72	2	-0.02	-0.02	-237.12	ppb	66.67	34.64	3600	
Fe	57	72	2	7.83	7.83	75.65	ppb	386.71	51.81	90000	
Co	59	72	2	0.05	0.05	32.94	ppb	160.02	33.07	3600	
Ni	60	72	2	0.01	0.01	426.96	ppb	173.35	37.09	3600	
Cu	63	72	2	3.40	3.40	10.79	ppb	12005.01	9.31	3600	
Zn	66	72	2	1.21	1.21	68.92	ppb	606.74	39.06	3600	
As	75	72	2	0.05	0.05	86.60	ppb	6.67	86.60	3600	
Se	78	72	1	0.08	0.08	8.57	ppb	64.00	6.25	3600	
Nb	93	72	2	0.05	0.05	78.77	ppb	480.05	32.54	7200	
Mo	95	115	2	0.06	0.06	53.45	ppb	100.01	40.01	3600	
Pd	105	115	2	0.01	0.01	173.21	ppb	13.33	173.21	3600	
Ag	107	115	2	0.59	0.59	15.38	ppb	3280.59	15.39	900	
Cd	111	115	2	0.12	0.12	64.49	ppb	100.01	40.00	3600	
Sn	120	115	2	0.17	0.17	31.48	ppb	426.71	15.07	3600	
Sb	121	115	2	0.01	0.01	826.06	ppb	93.34	44.61	3600	
Ba	137	115	2	0.06	0.06	332.35	ppb	46.67	107.86	3600	
W	182	165	2	0.02	0.02	205.79	ppb	1013.47	25.45	3600	
Pt	195	165	2	0.00	0.00	813.51	ppb	80.01	152.07	3600	
Tl	205	165	2	0.04	0.04	17.93	ppb	546.73	12.85	3600	
Pb	208	165	2	0.05	0.05	50.01	ppb	1880.22	17.12	3600	
Th	232	165	2	0.27	0.27	7.24	ppb	3760.81	6.45	3600	
U	238	165	2	0.05	0.05	34.31	ppb	920.11	31.35	3600	

QC ISTD Table

Element	m/z	Tune Step	CPS	%RSD	Ref CPS	%Rec	Lower Limit	Upper Limit	QC Flag
Li6	6	1	1388685	0.83	1785568	77.8	60	125	
Sc (IS)	45	2	914381	0.98	1044004	87.6	60	125	
Ge (IS)	72	1	19365878	0.64	25160288	77.0	60	125	
Ge (IS)	72	2	1275141	0.22	1449538	88.0	60	125	
115In	115	2	3843878	0.19	4071130	94.4	60	125	
Ho-165	165	2	24498174	0.29	25018358	97.9	60	125	

TuneStep	TuneFile	TuneDate
1	h2_hmi.u	5/2/2012 6:24:00 PM
2	he_hmi.u	5/2/2012 6:24:00 PM

Sample Report

Sample Name	280-28076-R-1-A
Data File Name	139SMPL.D
DataPath	d:\DATA\050212.B
Acq Date Time	2012-05-02T18:29:05-06:00
Type	Sample
VialNumber	4201
Dilution	1
Comment	117181 6020
Operator	LMT
ISTDRefDataFileName	121CALB.D
SamplePassFail	Pass
ISTD PassFail	Pass

QC Analyte Table

Element	m/z	ISTD	Tune Step	Meas Value	FinalConc	%RSD	Units	CPS	CPS %RSD	High Value	QC Flag
Be	9	6	1	0.02	0.02	47.71	ppb	8.33	34.64	3600	
Na	23	45	2	379125.54	379125.54	1.32	ppb	80772332.13	0.44	1800000	
Mg	24	45	2	215.32	215.32	3.00	ppb	18891.07	1.19	450000	
Al	27	45	2	1121.62	1121.62	2.44	ppb	17983.47	2.54	450000	
K	39	45	2	14609.62	14609.62	1.05	ppb	534703.99	1.48	180000	
Ca	44	45	2	45271.82	45271.82	2.95	ppb	91102.05	1.20	450000	
V	51	72	2	5.23	5.23	22.32	ppb	5522.56	23.13	3600	
Cr	52	72	2	34.77	34.77	3.72	ppb	53180.93	4.09	3600	
Mn	55	72	2	32.50	32.50	4.01	ppb	16055.12	4.72	3600	
Fe	57	72	2	3462.57	3462.57	1.04	ppb	104087.91	0.80	90000	
Co	59	72	2	0.66	0.66	4.39	ppb	2086.96	3.87	3600	
Ni	60	72	2	20.95	20.95	2.85	ppb	19345.24	1.96	3600	
Cu	63	72	2	17.11	17.11	3.48	ppb	47719.69	4.38	3600	
Zn	66	72	2	233.28	233.28	1.75	ppb	59159.78	1.43	3600	
As	75	72	2	2.86	2.86	7.07	ppb	356.68	7.06	3600	
Se	78	72	1	0.12	0.12	48.99	ppb	74.67	40.92	3600	
Nb	93	72	2	0.09	0.09	47.11	ppb	580.06	27.37	7200	
Mo	95	115	2	3.20	3.20	5.02	ppb	3640.67	5.24	3600	
Pd	105	115	2	0.01	0.01	173.21	ppb	20.00	173.21	3600	
Ag	107	115	2	0.53	0.53	10.34	ppb	2613.77	10.19	900	
Cd	111	115	2	0.04	0.04	155.16	ppb	53.34	57.29	3600	
Sn	120	115	2	0.59	0.59	39.94	ppb	826.77	30.25	3600	
Sb	121	115	2	0.88	0.88	17.09	ppb	673.41	15.24	3600	
Ba	137	115	2	169.42	169.42	4.50	ppb	40090.19	4.29	3600	
W	182	165	2	4.36	4.36	2.64	ppb	28947.62	2.60	3600	
Pt	195	165	2	0.00	0.00	185.54	ppb	80.01	50.00	3600	
Tl	205	165	2	0.01	0.01	35.25	ppb	266.70	17.32	3600	
Pb	208	165	2	0.43	0.43	4.34	ppb	6381.16	3.26	3600	
Th	232	165	2	0.31	0.31	7.08	ppb	3854.19	6.26	3600	
U	238	165	2	0.05	0.05	15.20	ppb	740.09	14.04	3600	

QC ISTD Table

Element	m/z	Tune Step	CPS	%RSD	Ref CPS	%Rec	Lower Limit	Upper Limit	QC Flag
Li6	6	1	1222695	0.49	1785568	68.5	60	125	
Sc (IS)	45	2	861464	1.75	1044004	82.5	60	125	
Ge (IS)	72	1	15922895	0.86	25160288	63.3	60	125	
Ge (IS)	72	2	1135854	1.26	1449538	78.4	60	125	
115In	115	2	3412556	0.26	4071130	83.8	60	125	
Ho-165	165	2	21944340	0.33	25018358	87.7	60	125	

TuneStep	TuneFile	TuneDate
1	h2_hmi.u	5/2/2012 6:27:00 PM
2	he_hmi.u	5/2/2012 6:27:00 PM

Continuing Calibration Verification (CCV) - US EPA Method 6020

Sample Name	ccv-1394868
Data File Name	1406CCV.D
DataPath	d:\DATA\050212.B
Acq Date Time	2012-05-02T18:32:03-06:00
Type	6-CCV
VialNumber	1106
Dilution	1
Comment	
Operator	LMT
ISTDRefDataFileName	121CALB.D
SamplePassFail	Pass
ISTD PassFail	Pass

QC Analyte Table

Element	m/z	ISTD	Tune Step	Meas Value	%RSD	Units	CPS	CPS%RSD	Exp Value	%Rec	QC Low	QC High	QC Flag
Be	9	6	1	51.52	0.95	ppb	21360.55	0.81	50	103.0	90	110	
Na	23	45	2	5014.61	2.52	ppb	1168359.59	0.94	5000	100.3	90	110	
Mg	24	45	2	4872.65	0.68	ppb	451155.49	1.03	5000	97.5	90	110	
Al	27	45	2	4869.39	3.21	ppb	83341.64	1.95	5000	97.4	90	110	
K	39	45	2	4925.22	2.11	ppb	193714.11	0.81	5000	98.5	90	110	
Ca	44	45	2	5170.97	4.72	ppb	11150.98	3.45	5000	103.4	90	110	
V	51	72	2	48.45	3.85	ppb	57706.49	4.24	50	96.9	90	110	
Cr	52	72	2	48.61	1.85	ppb	84578.32	1.31	50	97.2	90	110	
Mn	55	72	2	48.66	0.35	ppb	27322.69	0.78	50	97.3	90	110	
Fe	57	72	2	4960.02	2.18	ppb	169726.85	1.78	5000	99.2	90	110	
Co	59	72	2	49.23	2.48	ppb	176890.10	1.72	50	98.5	90	110	
Ni	60	72	2	50.60	1.05	ppb	52986.73	1.33	50	101.2	90	110	
Cu	63	72	2	50.15	3.06	ppb	155861.64	2.30	50	100.3	90	110	
Zn	66	72	2	50.79	4.52	ppb	14880.80	5.15	50	101.6	90	110	
As	75	72	2	48.19	1.87	ppb	6834.92	2.20	50	96.4	90	110	
Se	78	72	1	49.58	1.56	ppb	34809.73	1.55	50	99.2	90	110	
Nb	93	72	2	99.41	2.58	ppb	397695.10	1.81	100	99.4	90	110	
Mo	95	115	2	47.73	2.28	ppb	59965.49	1.60	50	95.5	90	110	
Pd	105	115	2	48.78	0.44	ppb	118468.16	0.86	50	97.6	90	110	
Ag	107	115	2	50.46	1.87	ppb	274023.20	1.36	50	100.9	90	110	
Cd	111	115	2	50.79	0.80	ppb	26408.51	1.05	50	101.6	90	110	
Sn	120	115	2	49.03	3.35	ppb	58120.61	2.75	50	98.1	90	110	
Sb	121	115	2	48.81	2.92	ppb	36895.18	2.37	50	97.6	90	110	
Ba	137	115	2	48.35	7.08	ppb	12719.04	6.94	50	96.7	90	110	
W	182	165	2	49.80	3.91	ppb	355294.91	2.80	50	99.6	90	110	
Pt	195	165	2	49.76	3.20	ppb	320600.27	2.10	50	99.5	90	110	
Tl	205	165	2	50.40	1.63	ppb	540617.36	0.67	50	100.8	90	110	
Pb	208	165	2	50.37	2.59	ppb	679328.16	1.72	50	100.7	90	110	
Th	232	165	2	50.47	1.85	ppb	641755.96	0.90	50	100.9	90	110	
U	238	165	2	51.09	2.63	ppb	806715.22	1.51	50	102.2	90	110	

QC ISTD Table

Element	m/z	Tune Step	CPS	%RSD	Ref CPS	%Rec	QC Low	QC High	QC Flag
Li6	6	1	1502659	0.26	1785568	84.2	60	125	
Sc (IS)	45	2	920653	1.56	1044004	88.2	60	125	
Ge (IS)	72	1	21141653	0.79	25160288	84.0	60	125	
Ge (IS)	72	2	1293382	0.78	1449538	89.2	60	125	
115In	115	2	3786987	0.70	4071130	93.0	60	125	
Ho-165	165	2	24180256	1.14	25018358	96.7	60	125	

TuneStep	TuneFile
1	h2_hmi.u
2	he_hmi.u

Continuing Calibration Blank (CCB) - US EPA Method 6020

Sample Name	ccb-1394903
Data File Name	1416CCB.D
DataPath	d:\DATA\050212.B
Acq Date Time	2012-05-02T18:35:02-06:00
Type	6-CCB
VialNumber	1306
Dilution	1
Comment	
Operator	LMT
ISTDRefDataFileName	121CALB.D
SamplePassFail	Fail
ISTD PassFail	Pass

QC Analyte Table

Element	m/z	ISTD	Tune Step	Meas Value	%RSD	Units	CPS	CPS%RSD	QC High	QC Flag
Be	9	6	1	0.01	222.53	ppb	5.00	100.00	1	
Na	23	45	2	-20.62	-8.86	ppb	20946.70	2.22	20	
Mg	24	45	2	0.54	195.66	ppb	300.03	30.55	20	
Al	27	45	2	-0.54	-269.39	ppb	13.33	173.21	20	
K	39	45	2	0.02	46698.19	ppb	1546.87	19.88	20	
Ca	44	45	2	3.46	287.95	ppb	40.00	50.01	20	
V	51	72	2	0.00	2557.95	ppb	61.87	164.10	1	
Cr	52	72	2	-0.03	-72.16	ppb	100.01	34.64	1	
Mn	55	72	2	0.10	22.87	ppb	126.68	9.11	1	
Fe	57	72	2	0.24	586.60	ppb	126.68	36.46	20	
Co	59	72	2	0.01	89.35	ppb	46.67	89.21	1	
Ni	60	72	2	-0.03	-258.93	ppb	126.68	55.45	1	
Cu	63	72	2	0.04	55.90	ppb	1773.62	3.45	1	
Zn	66	72	2	0.02	3331.25	ppb	260.03	55.47	5	
As	75	72	2	0.34	65.41	ppb	46.67	65.47	5	
Se	78	72	1	0.08	47.88	ppb	65.33	37.41	5	
Nb	93	72	2	0.91	19.04	ppb	3754.05	17.91	5	
Mo	95	115	2	0.04	140.46	ppb	73.34	95.78	1	
Pd	105	115	2	0.03	46.78	ppb	66.67	45.83	1	
Ag	107	115	2	1.64	10.53	ppb	8476.26	11.38	1	6-CCB Main Failed
Cd	111	115	2	0.04	171.78	ppb	53.34	57.29	1	
Sn	120	115	2	0.06	147.86	ppb	273.36	36.83	5	
Sb	121	115	2	0.24	42.40	ppb	253.35	27.73	0.2	6-CCB Main Failed
Ba	137	115	2	-0.07	-70.51	ppb	13.33	86.60	1	
W	182	165	2	0.09	24.67	ppb	1480.22	10.55	1	
Pt	195	165	2	0.01	160.44	ppb	100.01	60.00	1	
Tl	205	165	2	0.04	23.39	ppb	520.06	16.76	1	
Pb	208	165	2	0.02	13.30	ppb	1420.17	2.44	1	
Th	232	165	2	0.25	11.58	ppb	3374.00	10.21	1	
U	238	165	2	0.04	18.64	ppb	620.07	16.76	1	

QC ISTD Table

Element	m/z	Tune Step	CPS	%RSD	Ref CPS	%Rec	QC Low	QC High	QC Flag
Li6	6	1	1447497	0.98	1785568	81.1	60	125	
Sc (IS)	45	2	861562	0.43	1044004	82.5	60	125	
Ge (IS)	72	1	20237215	1.20	25160288	80.4	60	125	
Ge (IS)	72	2	1237085	0.40	1449538	85.3	60	125	
115In	115	2	3600502	0.94	4071130	88.4	60	125	
Ho-165	165	2	23525544	0.31	25018358	94.0	60	125	

TuneStep	TuneFile
1	h2_hmi.u
2	he_hmi.u

Sample Report

Sample Name	MB 280-117259/1-A
Data File Name	142SMPL.D
DataPath	d:\DATA\050212.B
Acq Date Time	2012-05-02T18:38:00-06:00
Type	Sample
VialNumber	3101
Dilution	1
Comment	117259 6020
Operator	LMT
ISTDRefDataFileName	121CALB.D
SamplePassFail	Pass
ISTD PassFail	Pass

QC Analyte Table

Element	m/z	ISTD	Tune Step	Meas Value	FinalConc	%RSD	Units	CPS	CPS %RSD	High Value	QC Flag
Be	9	6	1	-0.01	-0.01	0.00	ppb	0.00	#DIV/0!	3600	
Na	23	45	2	-27.78	-27.78	-15.33	ppb	18944.52	4.63	1800000	
Mg	24	45	2	1.66	1.66	73.64	ppb	386.71	26.54	450000	
Al	27	45	2	3.76	3.76	118.57	ppb	80.01	86.61	450000	
K	39	45	2	-0.61	-0.61	-766.50	ppb	1486.86	11.20	180000	
Ca	44	45	2	41.25	41.25	92.98	ppb	113.34	66.80	450000	
V	51	72	2	-0.08	-0.08	-170.06	ppb	-27.02	-524.31	3600	
Cr	52	72	2	0.04	0.04	153.57	ppb	200.02	43.59	3600	
Mn	55	72	2	1.08	1.08	56.72	ppb	633.40	50.17	3600	
Fe	57	72	2	66.06	66.06	2.74	ppb	2213.68	2.61	90000	
Co	59	72	2	0.02	0.02	57.36	ppb	53.34	57.29	3600	
Ni	60	72	2	0.11	0.11	55.37	ppb	253.36	22.79	3600	
Cu	63	72	2	0.82	0.82	8.81	ppb	3960.76	5.35	3600	
Zn	66	72	2	3.06	3.06	8.51	ppb	1066.79	6.59	3600	
As	75	72	2	0.13	0.13	69.18	ppb	16.67	69.28	3600	
Se	78	72	1	0.02	0.02	114.73	ppb	26.67	60.62	3600	
Nb	93	72	2	0.33	0.33	21.50	ppb	1506.84	17.68	7200	
Mo	95	115	2	0.01	0.01	429.63	ppb	33.34	124.90	3600	
Pd	105	115	2	0.02	0.02	86.61	ppb	40.01	86.60	3600	
Ag	107	115	2	1.14	1.14	6.55	ppb	5941.51	7.20	900	
Cd	111	115	2	0.00	0.00	-462.60	ppb	33.33	34.64	3600	
Sn	120	115	2	0.06	0.06	329.52	ppb	273.36	78.24	3600	
Sb	121	115	2	-0.07	-0.07	-23.24	ppb	33.33	34.64	3600	
Ba	137	115	2	0.75	0.75	75.09	ppb	220.03	65.56	3600	
W	182	165	2	0.06	0.06	62.46	ppb	1246.81	20.31	3600	
Pt	195	165	2	0.00	0.00	-519.50	ppb	53.34	86.60	3600	
Tl	205	165	2	0.01	0.01	47.87	ppb	246.69	20.40	3600	
Pb	208	165	2	0.54	0.54	6.76	ppb	8274.86	6.05	3600	
Th	232	165	2	0.27	0.27	21.95	ppb	3580.76	20.51	3600	
U	238	165	2	0.01	0.01	106.15	ppb	220.02	72.73	3600	

QC ISTD Table

Element	m/z	Tune Step	CPS	%RSD	Ref CPS	%Rec	Lower Limit	Upper Limit	QC Flag
Li6	6	1	1266643	1.54	1785568	70.9	60	125	
Sc (IS)	45	2	840450	0.30	1044004	80.5	60	125	
Ge (IS)	72	1	18212831	0.52	25160288	72.4	60	125	
Ge (IS)	72	2	1201373	0.12	1449538	82.9	60	125	
115In	115	2	3625335	0.87	4071130	89.0	60	125	
Ho-165	165	2	23437766	0.45	25018358	93.7	60	125	

TuneStep	TuneFile	TuneDate
1	h2_hmi.u	5/2/2012 6:36:00 PM
2	he_hmi.u	5/2/2012 6:36:00 PM

Sample Report

Sample Name	LCS 280-117259/2-A
Data File Name	143SMPL.D
DataPath	d:\DATA\050212.B
Acq Date Time	2012-05-02T18:40:59-06:00
Type	Sample
VialNumber	3102
Dilution	1
Comment	117259 6020
Operator	LMT
ISTDRefDataFileName	121CALB.D
SamplePassFail	Pass
ISTD PassFail	Pass

QC Analyte Table

Element	m/z	ISTD	Tune Step	Meas Value	FinalConc	%RSD	Units	CPS	CPS %RSD	High Value	QC Flag
Be	9	6	1	39.52	39.52	0.92	ppb	13383.28	0.61	3600	
Na	23	45	2	-54.84	-54.84	-4.07	ppb	12832.07	4.01	1800000	
Mg	24	45	2	1.01	1.01	109.78	ppb	320.03	28.64	450000	
Al	27	45	2	2.17	2.17	34.78	ppb	53.34	21.65	450000	
K	39	45	2	-3.66	-3.66	-214.56	ppb	1326.84	19.91	180000	
Ca	44	45	2	-5.82	-5.82	-314.97	ppb	20.00	173.21	450000	
V	51	72	2	40.73	40.73	1.03	ppb	44013.36	0.85	3600	
Cr	52	72	2	40.33	40.33	2.39	ppb	63687.21	2.67	3600	
Mn	55	72	2	42.18	42.18	4.38	ppb	21494.21	4.21	3600	
Fe	57	72	2	8.84	8.84	23.86	ppb	386.71	16.63	90000	
Co	59	72	2	42.21	42.21	0.88	ppb	137593.89	0.60	3600	
Ni	60	72	2	43.44	43.44	3.16	ppb	41289.56	2.96	3600	
Cu	63	72	2	43.34	43.34	0.68	ppb	122420.93	0.59	3600	
Zn	66	72	2	39.58	39.58	4.45	ppb	10570.62	4.63	3600	
As	75	72	2	38.12	38.12	1.99	ppb	4904.21	2.24	3600	
Se	78	72	1	36.06	36.06	1.16	ppb	21105.94	0.23	3600	
Nb	93	72	2	0.12	0.12	14.25	ppb	693.40	8.81	7200	
Mo	95	115	2	40.19	40.19	3.44	ppb	47045.58	3.08	3600	
Pd	105	115	2	0.01	0.01	0.90	ppb	20.00	0.00	3600	
Ag	107	115	2	43.03	43.03	0.97	ppb	217652.83	0.85	900	
Cd	111	115	2	41.30	41.30	4.48	ppb	20006.53	3.75	3600	
Sn	120	115	2	42.72	42.72	1.78	ppb	47208.09	1.58	3600	
Sb	121	115	2	40.38	40.38	4.18	ppb	28445.91	3.32	3600	
Ba	137	115	2	44.06	44.06	7.31	ppb	10797.73	6.95	3600	
W	182	165	2	0.04	0.04	76.28	ppb	1146.80	20.22	3600	
Pt	195	165	2	0.00	0.00	110.76	ppb	80.01	25.00	3600	
Tl	205	165	2	43.46	43.46	0.87	ppb	450161.53	0.84	3600	
Pb	208	165	2	44.33	44.33	0.43	ppb	577387.12	0.51	3600	
Th	232	165	2	42.34	42.34	1.14	ppb	519864.65	1.48	3600	
U	238	165	2	45.29	45.29	0.28	ppb	690485.48	0.13	3600	

QC ISTD Table

Element	m/z	Tune Step	CPS	%RSD	Ref CPS	%Rec	Lower Limit	Upper Limit	QC Flag
Li6	6	1	1227231	0.85	1785568	68.7	60	125	
Sc (IS)	45	2	809408	0.55	1044004	77.5	60	125	
Ge (IS)	72	1	17621747	0.93	25160288	70.0	60	125	
Ge (IS)	72	2	1173237	0.29	1449538	80.9	60	125	
115In	115	2	3527614	0.90	4071130	86.6	60	125	
Ho-165	165	2	23342487	0.34	25018358	93.3	60	125	

TuneStep	TuneFile	TuneDate
1	h2_hmi.u	5/2/2012 6:39:00 PM
2	he_hmi.u	5/2/2012 6:39:00 PM

Sample Report

Sample Name	280-28099-E-4-B
Data File Name	144SMPL.D
DataPath	d:\DATA\050212.B
Acq Date Time	2012-05-02T18:43:57-06:00
Type	Sample
VialNumber	3103
Dilution	1
Comment	117259 6020
Operator	LMT
ISTDRefDataFileName	121CALB.D
SamplePassFail	Pass
ISTD PassFail	Pass

QC Analyte Table

Element	m/z	ISTD	Tune Step	Meas Value	FinalConc	%RSD	Units	CPS	CPS %RSD	High Value	QC Flag
Be	9	6	1	0.01	0.01	131.90	ppb	6.67	86.60	3600	
Na	23	45	2	10577.84	10577.84	1.84	ppb	2121957.89	1.06	1800000	
Mg	24	45	2	3225.72	3225.72	1.37	ppb	260357.84	0.54	450000	
Al	27	45	2	0.86	0.86	238.90	ppb	33.34	91.66	450000	
K	39	45	2	6242.48	6242.48	3.02	ppb	213597.02	2.33	180000	
Ca	44	45	2	13172.63	13172.63	4.29	ppb	24711.82	3.35	450000	
V	51	72	2	-0.02	-0.02	-982.24	ppb	29.10	806.51	3600	
Cr	52	72	2	0.20	0.20	52.08	ppb	446.71	35.92	3600	
Mn	55	72	2	770.16	770.16	0.91	ppb	379927.70	0.62	3600	
Fe	57	72	2	1954.83	1954.83	1.14	ppb	58992.06	1.53	90000	
Co	59	72	2	0.58	0.58	3.56	ppb	1840.28	3.92	3600	
Ni	60	72	2	0.57	0.57	24.06	ppb	666.74	19.29	3600	
Cu	63	72	2	0.17	0.17	37.18	ppb	1980.27	8.27	3600	
Zn	66	72	2	0.68	0.68	76.90	ppb	406.71	32.00	3600	
As	75	72	2	6.06	6.06	3.28	ppb	756.72	3.05	3600	
Se	78	72	1	0.07	0.07	37.71	ppb	49.33	28.47	3600	
Nb	93	72	2	0.08	0.08	8.20	ppb	546.73	4.23	7200	
Mo	95	115	2	0.15	0.15	40.40	ppb	200.02	36.06	3600	
Pd	105	115	2	0.00	0.00	#DIV/0!	ppb	0.00	#DIV/0!	3600	
Ag	107	115	2	0.19	0.19	6.63	ppb	966.78	6.65	900	
Cd	111	115	2	0.01	0.01	1252.03	ppb	40.00	173.21	3600	
Sn	120	115	2	0.00	0.00	-324041.04	ppb	200.02	43.59	3600	
Sb	121	115	2	0.23	0.23	44.67	ppb	240.02	30.05	3600	
Ba	137	115	2	8.59	8.59	18.70	ppb	2106.98	18.52	3600	
W	182	165	2	-0.01	-0.01	-176.95	ppb	793.42	9.54	3600	
Pt	195	165	2	0.01	0.01	154.82	ppb	106.68	65.85	3600	
Tl	205	165	2	0.03	0.03	24.70	ppb	480.05	16.67	3600	
Pb	208	165	2	0.05	0.05	36.21	ppb	1806.89	13.84	3600	
Th	232	165	2	1.44	1.44	13.54	ppb	17711.66	14.30	3600	
U	238	165	2	0.02	0.02	14.82	ppb	340.04	11.76	3600	

QC ISTD Table

Element	m/z	Tune Step	CPS	%RSD	Ref CPS	%Rec	Lower Limit	Upper Limit	QC Flag
Li6	6	1	1195275	3.53	1785568	66.9	60	125	
Sc (IS)	45	2	802334	0.96	1044004	76.9	60	125	
Ge (IS)	72	1	16752305	0.65	25160288	66.6	60	125	
Ge (IS)	72	2	1139230	0.40	1449538	78.6	60	125	
115In	115	2	3489708	0.39	4071130	85.7	60	125	
Ho-165	165	2	22923663	1.02	25018358	91.6	60	125	

TuneStep	TuneFile	TuneDate
1	h2_hmi.u	5/2/2012 6:42:00 PM
2	he_hmi.u	5/2/2012 6:42:00 PM

Sample Report

Sample Name	280-28099-E-5-B
Data File Name	145SMPL.D
DataPath	d:\DATA\050212.B
Acq Date Time	2012-05-02T18:46:56-06:00
Type	Sample
VialNumber	3104
Dilution	1
Comment	117259 6020
Operator	LMT
ISTDRefDataFileName	121CALB.D
SamplePassFail	Pass
ISTD PassFail	Pass

QC Analyte Table

Element	m/z	ISTD	Tune Step	Meas Value	FinalConc	%RSD	Units	CPS	CPS %RSD	High Value	QC Flag
Be	9	6	1	0.01	0.01	262.10	ppb	6.67	173.21	3600	
Na	23	45	2	5586.22	5586.22	1.72	ppb	1120580.87	1.18	1800000	
Mg	24	45	2	2961.31	2961.31	2.11	ppb	236689.98	2.32	450000	
Al	27	45	2	4.96	4.96	63.43	ppb	93.34	49.49	450000	
K	39	45	2	3133.60	3133.60	0.37	ppb	106885.38	0.91	180000	
Ca	44	45	2	10124.57	10124.57	3.27	ppb	18817.85	3.41	450000	
V	51	72	2	0.09	0.09	176.84	ppb	144.77	111.87	3600	
Cr	52	72	2	0.04	0.04	76.80	ppb	193.35	23.89	3600	
Mn	55	72	2	151.85	151.85	3.15	ppb	74193.93	2.42	3600	
Fe	57	72	2	3.74	3.74	35.05	ppb	220.02	18.18	90000	
Co	59	72	2	0.04	0.04	62.27	ppb	133.35	62.45	3600	
Ni	60	72	2	0.37	0.37	21.27	ppb	480.04	15.02	3600	
Cu	63	72	2	1.03	1.03	8.11	ppb	4274.20	5.85	3600	
Zn	66	72	2	1.30	1.30	34.79	ppb	560.07	19.89	3600	
As	75	72	2	0.49	0.49	34.02	ppb	60.00	33.33	3600	
Se	78	72	1	0.01	0.01	158.69	ppb	18.67	61.86	3600	
Nb	93	72	2	0.06	0.06	102.15	ppb	460.05	47.03	7200	
Mo	95	115	2	0.04	0.04	22.96	ppb	73.34	15.75	3600	
Pd	105	115	2	0.02	0.02	91.52	ppb	33.33	91.65	3600	
Ag	107	115	2	0.13	0.13	19.26	ppb	680.07	18.37	900	
Cd	111	115	2	0.03	0.03	92.74	ppb	46.67	24.75	3600	
Sn	120	115	2	0.01	0.01	584.59	ppb	206.69	24.35	3600	
Sb	121	115	2	0.05	0.05	33.02	ppb	113.34	10.19	3600	
Ba	137	115	2	3.47	3.47	16.77	ppb	860.11	16.28	3600	
W	182	165	2	0.05	0.05	12.42	ppb	1133.49	4.44	3600	
Pt	195	165	2	0.00	0.00	103.32	ppb	80.01	25.00	3600	
Tl	205	165	2	0.01	0.01	67.57	ppb	220.02	24.05	3600	
Pb	208	165	2	0.01	0.01	205.69	ppb	1306.82	23.73	3600	
Th	232	165	2	0.38	0.38	20.47	ppb	4854.55	19.30	3600	
U	238	165	2	0.01	0.01	104.32	ppb	173.35	63.55	3600	

QC ISTD Table

Element	m/z	Tune Step	CPS	%RSD	Ref CPS	%Rec	Lower Limit	Upper Limit	QC Flag
Li6	6	1	1162595	1.99	1785568	65.1	60	125	
Sc (IS)	45	2	794379	0.61	1044004	76.1	60	125	
Ge (IS)	72	1	16566477	0.75	25160288	65.8	60	125	
Ge (IS)	72	2	1127682	0.72	1449538	77.8	60	125	
115In	115	2	3456378	0.32	4071130	84.9	60	125	
Ho-165	165	2	22756474	1.31	25018358	91.0	60	125	

TuneStep	TuneFile	TuneDate
1	h2_hmi.u	5/2/2012 6:45:00 PM
2	he_hmi.u	5/2/2012 6:45:00 PM

Sample Report

Sample Name	280-28099-E-6-D
Data File Name	146SMPL.D
DataPath	d:\DATA\050212.B
Acq Date Time	2012-05-02T18:49:54-06:00
Type	Sample
VialNumber	3105
Dilution	1
Comment	117259 6020
Operator	LMT
ISTDRefDataFileName	121CALB.D
SamplePassFail	Pass
ISTD PassFail	Pass

QC Analyte Table

Element	m/z	ISTD	Tune Step	Meas Value	FinalConc	%RSD	Units	CPS	CPS %RSD	High Value	QC Flag
Be	9	6	1	0.00	0.00	-505.27	ppb	1.67	173.21	3600	
Na	23	45	2	6128.86	6128.86	0.88	ppb	1201305.74	0.88	1800000	
Mg	24	45	2	4489.29	4489.29	1.51	ppb	351100.98	1.22	450000	
Al	27	45	2	0.47	0.47	169.34	ppb	26.67	43.30	450000	
K	39	45	2	1278.61	1278.61	4.85	ppb	43521.22	5.02	180000	
Ca	44	45	2	15977.45	15977.45	4.54	ppb	29051.72	4.61	450000	
V	51	72	2	1.14	1.14	26.66	ppb	1220.50	25.41	3600	
Cr	52	72	2	0.33	0.33	49.84	ppb	620.06	39.11	3600	
Mn	55	72	2	0.24	0.24	63.13	ppb	180.02	40.06	3600	
Fe	57	72	2	-0.46	-0.46	-600.64	ppb	93.34	86.60	90000	
Co	59	72	2	0.03	0.03	72.23	ppb	100.01	72.11	3600	
Ni	60	72	2	0.55	0.55	27.21	ppb	626.74	21.25	3600	
Cu	63	72	2	0.66	0.66	31.56	ppb	3233.92	17.32	3600	
Zn	66	72	2	1.55	1.55	46.94	ppb	613.40	29.23	3600	
As	75	72	2	0.36	0.36	48.04	ppb	43.33	48.04	3600	
Se	78	72	1	0.03	0.03	45.09	ppb	25.33	24.12	3600	
Nb	93	72	2	0.04	0.04	19.84	ppb	366.71	6.30	7200	
Mo	95	115	2	0.47	0.47	4.28	ppb	560.06	3.57	3600	
Pd	105	115	2	0.00	0.00	173.21	ppb	6.67	173.21	3600	
Ag	107	115	2	0.09	0.09	38.83	ppb	466.72	35.69	900	
Cd	111	115	2	0.00	0.00	-3046.69	ppb	33.33	34.64	3600	
Sn	120	115	2	-0.03	-0.03	-173.38	ppb	160.02	37.50	3600	
Sb	121	115	2	-0.03	-0.03	-103.68	ppb	60.01	33.34	3600	
Ba	137	115	2	2.22	2.22	5.39	ppb	553.39	5.52	3600	
W	182	165	2	0.04	0.04	150.09	ppb	1080.13	35.19	3600	
Pt	195	165	2	0.00	0.00	822.75	ppb	66.67	75.50	3600	
Tl	205	165	2	0.00	0.00	-971.81	ppb	133.35	45.83	3600	
Pb	208	165	2	0.02	0.02	77.86	ppb	1453.50	16.53	3600	
Th	232	165	2	0.23	0.23	17.20	ppb	3093.99	15.06	3600	
U	238	165	2	0.01	0.01	34.72	ppb	273.36	25.70	3600	

QC ISTD Table

Element	m/z	Tune Step	CPS	%RSD	Ref CPS	%Rec	Lower Limit	Upper Limit	QC Flag
Li6	6	1	1146390	2.51	1785568	64.2	60	125	
Sc (IS)	45	2	777596	0.37	1044004	74.5	60	125	
Ge (IS)	72	1	16297084	2.53	25160288	64.8	60	125	
Ge (IS)	72	2	1110409	0.24	1449538	76.6	60	125	
115In	115	2	3420514	1.07	4071130	84.0	60	125	
Ho-165	165	2	22801651	0.58	25018358	91.1	60	125	

TuneStep	TuneFile	TuneDate
1	h2_hmi.u	5/2/2012 6:48:00 PM
2	he_hmi.u	5/2/2012 6:48:00 PM

Continuing Calibration Verification (CCV) - US EPA Method 6020

Sample Name	ccv-1394868
Data File Name	1476CCV.D
DataPath	d:\DATA\050212.B
Acq Date Time	2012-05-02T18:52:52-06:00
Type	6-CCV
VialNumber	1106
Dilution	1
Comment	
Operator	LMT
ISTDRefDataFileName	121CALB.D
SamplePassFail	Pass
ISTD PassFail	Pass

QC Analyte Table

Element	m/z	ISTD	Tune Step	Meas Value	%RSD	Units	CPS	CPS%RSD	Exp Value	%Rec	QC Low	QC High	QC Flag
Be	9	6	1	51.18	3.72	ppb	16922.81	3.37	50	102.4	90	110	
Na	23	45	2	4890.37	0.37	ppb	955347.22	0.12	5000	97.8	90	110	
Mg	24	45	2	4982.78	1.02	ppb	386511.39	0.75	5000	99.7	90	110	
Al	27	45	2	5019.45	1.79	ppb	71988.76	1.35	5000	100.4	90	110	
K	39	45	2	4858.36	0.82	ppb	160131.25	0.57	5000	97.2	90	110	
Ca	44	45	2	4920.75	4.90	ppb	8896.30	5.34	5000	98.4	90	110	
V	51	72	2	48.07	5.14	ppb	48816.79	5.89	50	96.1	90	110	
Cr	52	72	2	48.49	1.62	ppb	71937.93	1.18	50	97.0	90	110	
Mn	55	72	2	50.17	7.61	ppb	24018.12	7.65	50	100.3	90	110	
Fe	57	72	2	5057.69	1.86	ppb	147543.48	1.14	5000	101.2	90	110	
Co	59	72	2	50.51	0.89	ppb	154749.90	0.79	50	101.0	90	110	
Ni	60	72	2	49.74	2.76	ppb	44409.98	2.99	50	99.5	90	110	
Cu	63	72	2	50.70	1.46	ppb	134332.08	0.75	50	101.4	90	110	
Zn	66	72	2	48.63	3.17	ppb	12151.74	2.68	50	97.3	90	110	
As	75	72	2	51.16	2.48	ppb	6184.66	1.86	50	102.3	90	110	
Se	78	72	1	49.97	0.20	ppb	28108.82	0.95	50	99.9	90	110	
Nb	93	72	2	102.62	0.40	ppb	350044.29	1.16	100	102.6	90	110	
Mo	95	115	2	47.80	3.50	ppb	53242.90	2.74	50	95.6	90	110	
Pd	105	115	2	49.34	1.19	ppb	106232.33	0.47	50	98.7	90	110	
Ag	107	115	2	49.54	0.34	ppb	238490.26	0.74	50	99.1	90	110	
Cd	111	115	2	50.75	4.54	ppb	23390.68	4.08	50	101.5	90	110	
Sn	120	115	2	50.83	2.68	ppb	53412.37	1.93	50	101.7	90	110	
Sb	121	115	2	48.59	1.71	ppb	32566.37	0.96	50	97.2	90	110	
Ba	137	115	2	51.85	7.98	ppb	12092.03	8.22	50	103.7	90	110	
W	182	165	2	49.94	0.31	ppb	332607.22	0.62	50	99.9	90	110	
Pt	195	165	2	50.23	0.48	ppb	302107.41	0.47	50	100.5	90	110	
Tl	205	165	2	51.69	0.90	ppb	517558.39	0.42	50	103.4	90	110	
Pb	208	165	2	51.36	0.83	ppb	646536.07	0.27	50	102.7	90	110	
Th	232	165	2	53.06	1.01	ppb	629693.17	0.41	50	106.1	90	110	
U	238	165	2	52.62	0.61	ppb	775586.73	1.06	50	105.2	90	110	

QC ISTD Table

Element	m/z	Tune Step	CPS	%RSD	Ref CPS	%Rec	QC Low	QC High	QC Flag
Li6	6	1	1198318	0.49	1785568	67.1	60	125	
Sc (IS)	45	2	771284	0.45	1044004	73.9	60	125	
Ge (IS)	72	1	16938872	0.91	25160288	67.3	60	125	
Ge (IS)	72	2	1102662	0.77	1449538	76.1	60	125	
115In	115	2	3357381	0.78	4071130	82.5	60	125	
Ho-165	165	2	22566572	0.60	25018358	90.2	60	125	

TuneStep	TuneFile
1	h2_hmi.u
2	he_hmi.u

Continuing Calibration Blank (CCB) - US EPA Method 6020

Sample Name	ccb-1394903
Data File Name	1486CCB.D
DataPath	d:\DATA\050212.B
Acq Date Time	2012-05-02T18:55:50-06:00
Type	6-CCB
VialNumber	1306
Dilution	1
Comment	
Operator	LMT
ISTDRefDataFileName	121CALB.D
SamplePassFail	Pass
ISTD PassFail	Pass

QC Analyte Table

Element	m/z	ISTD	Tune Step	Meas Value	%RSD	Units	CPS	CPS %RSD	QC High	QC Flag
Be	9	6	1	0.01	132.01	ppb	6.67	86.60	1	
Na	23	45	2	-68.59	-3.68	ppb	9269.69	4.76	20	
Mg	24	45	2	0.11	1618.30	ppb	226.69	57.41	20	
Al	27	45	2	3.94	106.60	ppb	73.34	78.74	20	
K	39	45	2	-3.12	-392.46	ppb	1240.17	32.14	20	
Ca	44	45	2	10.54	228.04	ppb	46.67	89.21	20	
V	51	72	2	0.09	201.46	ppb	137.17	127.36	1	
Cr	52	72	2	0.00	-6899.75	ppb	126.68	105.14	1	
Mn	55	72	2	-0.07	-98.04	ppb	33.33	91.65	1	
Fe	57	72	2	-0.58	-366.12	ppb	86.67	70.50	20	
Co	59	72	2	0.01	50.34	ppb	40.00	50.01	1	
Ni	60	72	2	0.05	76.05	ppb	180.02	19.25	1	
Cu	63	72	2	-0.06	-87.13	ppb	1293.49	9.32	1	
Zn	66	72	2	-0.18	-308.50	ppb	180.02	72.86	5	
As	75	72	2	0.17	49.59	ppb	20.00	50.00	5	
Se	78	72	1	0.05	51.60	ppb	37.33	34.44	5	
Nb	93	72	2	1.02	22.60	ppb	3614.02	20.64	5	
Mo	95	115	2	0.06	151.41	ppb	86.67	113.84	1	
Pd	105	115	2	0.03	30.85	ppb	73.34	31.49	1	
Ag	107	115	2	0.13	75.96	ppb	666.74	72.02	1	
Cd	111	115	2	0.02	537.49	ppb	40.00	100.00	1	
Sn	120	115	2	0.06	148.02	ppb	253.36	37.31	5	
Sb	121	115	2	0.08	58.72	ppb	126.68	24.12	0.2	
Ba	137	115	2	-0.12	0.00	ppb	0.00	#DIV/0!	1	
W	182	165	2	0.10	9.21	ppb	1440.21	4.17	1	
Pt	195	165	2	0.01	108.17	ppb	140.02	62.27	1	
Tl	205	165	2	0.01	27.35	ppb	280.03	14.29	1	
Pb	208	165	2	0.00	-751.22	ppb	1093.45	15.34	1	
Th	232	165	2	0.24	17.91	ppb	3027.30	15.50	1	
U	238	165	2	0.02	29.33	ppb	400.04	25.00	1	

QC ISTD Table

Element	m/z	Tune Step	CPS	%RSD	Ref CPS	%Rec	QC Low	QC High	QC Flag
Li6	6	1	1194896	0.54	1785568	66.9	60	125	
Sc (IS)	45	2	744559	0.82	1044004	71.3	60	125	
Ge (IS)	72	1	16706407	1.18	25160288	66.4	60	125	
Ge (IS)	72	2	1074423	0.56	1449538	74.1	60	125	
115In	115	2	3321778	1.13	4071130	81.6	60	125	
Ho-165	165	2	22040563	0.65	25018358	88.1	60	125	

TuneStep	TuneFile
1	h2_hmi.u
2	he_hmi.u

Sample Report

Sample Name	280-28141-F-1-B
Data File Name	149SMPL.D
DataPath	d:\DATA\050212.B
Acq Date Time	2012-05-02T18:58:49-06:00
Type	Sample
VialNumber	3106
Dilution	1
Comment	117259 6020
Operator	LMT
ISTDRefDataFileName	121CALB.D
SamplePassFail	Fail
ISTD PassFail	Pass

QC Analyte Table

Element	m/z	ISTD	Tune Step	Meas Value	FinalConc	%RSD	Units	CPS	CPS %RSD	High Value	QC Flag
Be	9	6	1	0.00	0.00	-820.91	ppb	1.67	173.21	3600	
Na	23	45	2	26997.21	26997.21	0.72	ppb	4850861.28	0.26	1800000	
Mg	24	45	2	5733.23	5733.23	0.87	ppb	417136.45	0.94	450000	
Al	27	45	2	2.11	2.11	147.23	ppb	46.67	89.21	450000	
K	39	45	2	3234.15	3234.15	0.85	ppb	100429.41	1.31	180000	
Ca	44	45	2	21563.88	21563.88	1.93	ppb	36472.02	2.31	450000	
V	51	72	2	0.62	0.62	23.12	ppb	638.04	21.35	3600	
Cr	52	72	2	0.14	0.14	43.54	ppb	313.37	25.80	3600	
Mn	55	72	2	0.13	0.13	119.64	ppb	120.01	57.74	3600	
Fe	57	72	2	20.21	20.21	22.69	ppb	653.40	18.45	90000	
Co	59	72	2	0.23	0.23	13.38	ppb	653.40	14.14	3600	
Ni	60	72	2	1.30	1.30	22.00	ppb	1220.15	18.91	3600	
Cu	63	72	2	1.02	1.02	11.74	ppb	3907.44	7.19	3600	
Zn	66	72	2	0.54	0.54	29.77	ppb	340.03	11.77	3600	
As	75	72	2	0.47	0.47	42.50	ppb	53.33	43.30	3600	
Se	78	72	1	0.01	0.01	70.94	ppb	16.00	25.00	3600	
Nb	93	72	2	0.40	0.40	24.85	ppb	1506.86	21.17	7200	
Mo	95	115	2	0.05	0.05	22.19	ppb	73.34	15.74	3600	
Pd	105	115	2	0.00	0.00	173.21	ppb	6.67	173.21	3600	
Ag	107	115	2	0.02	0.02	66.59	ppb	113.34	50.95	900	
Cd	111	115	2	-0.01	-0.01	-564.95	ppb	26.67	114.57	3600	
Sn	120	115	2	0.30	0.30	31.23	ppb	486.72	19.42	3600	
Sb	121	115	2	0.11	0.11	111.84	ppb	146.68	55.11	3600	
Ba	137	115	2	6.72	6.72	6.95	ppb	1540.25	6.88	3600	
W	182	165	2	0.02	0.02	33.55	ppb	926.78	4.49	3600	
Pt	195	165	2	0.00	0.00	-887.85	ppb	53.34	78.07	3600	
Tl	205	165	2	0.00	0.00	226.55	ppb	166.68	45.43	3600	
Pb	208	165	2	0.04	0.04	62.91	ppb	1540.17	17.47	3600	
Th	232	165	2	0.35	0.35	11.56	ppb	4334.37	9.79	3600	
U	238	165	2	0.17	0.17	26.65	ppb	2433.77	25.17	3600	

QC ISTD Table

Element	m/z	Tune Step	CPS	%RSD	Ref CPS	%Rec	Lower Limit	Upper Limit	QC Flag
Li6	6	1	1064674	1.40	1785568	59.6	60	125	IS Main Failed
Sc (IS)	45	2	723481	0.46	1044004	69.3	60	125	
Ge (IS)	72	1	14871487	0.44	25160288	59.1	60	125	IS Main Failed
Ge (IS)	72	2	1037396	0.80	1449538	71.6	60	125	
115In	115	2	3249832	0.23	4071130	79.8	60	125	
Ho-165	165	2	21721168	1.02	25018358	86.8	60	125	

TuneStep	TuneFile	TuneDate
1	h2_hmi.u	5/2/2012 6:57:00 PM
2	he_hmi.u	5/2/2012 6:57:00 PM

Sample Report

Sample Name	280-28141-F-1-B sd@5
Data File Name	150SMPL.D
DataPath	d:\DATA\050212.B
Acq Date Time	2012-05-02T19:01:47-06:00
Type	Sample
VialNumber	3107
Dilution	1
Comment	117259 6020
Operator	LMT
ISTDRefDataFileName	121CALB.D
SamplePassFail	Pass
ISTD PassFail	Pass

QC Analyte Table

Element	m/z	ISTD	Tune Step	Meas Value	FinalConc	%RSD	Units	CPS	CPS %RSD	High Value	QC Flag
Be	9	6	1	0.02	0.02	167.63	ppb	8.33	124.90	3600	
Na	23	45	2	5409.17	5409.17	0.99	ppb	992470.12	0.60	1800000	
Mg	24	45	2	1192.27	1192.27	0.45	ppb	87226.97	0.77	450000	
Al	27	45	2	-0.39	-0.39	-221.02	ppb	13.33	86.60	450000	
K	39	45	2	659.88	659.88	1.20	ppb	21601.02	0.91	180000	
Ca	44	45	2	4655.18	4655.18	8.79	ppb	7922.39	8.62	450000	
V	51	72	2	0.13	0.13	107.05	ppb	177.68	77.03	3600	
Cr	52	72	2	0.01	0.01	152.17	ppb	140.01	14.28	3600	
Mn	55	72	2	0.25	0.25	52.13	ppb	180.02	33.33	3600	
Fe	57	72	2	1.12	1.12	160.09	ppb	133.35	37.75	90000	
Co	59	72	2	0.03	0.03	35.09	ppb	86.67	35.25	3600	
Ni	60	72	2	0.32	0.32	22.81	ppb	406.71	15.02	3600	
Cu	63	72	2	0.27	0.27	49.56	ppb	2100.29	16.25	3600	
Zn	66	72	2	0.68	0.68	25.95	ppb	380.04	10.53	3600	
As	75	72	2	0.26	0.26	88.57	ppb	30.00	88.19	3600	
Se	78	72	1	0.02	0.02	118.55	ppb	20.00	52.92	3600	
Nb	93	72	2	0.12	0.12	44.97	ppb	620.07	27.56	7200	
Mo	95	115	2	0.02	0.02	280.20	ppb	40.00	132.29	3600	
Pd	105	115	2	0.01	0.01	115.70	ppb	26.67	114.57	3600	
Ag	107	115	2	0.04	0.04	24.61	ppb	206.69	20.15	900	
Cd	111	115	2	-0.03	-0.03	-160.98	ppb	20.00	100.00	3600	
Sn	120	115	2	0.02	0.02	567.38	ppb	206.69	56.70	3600	
Sb	121	115	2	-0.06	-0.06	-55.22	ppb	33.34	69.29	3600	
Ba	137	115	2	1.57	1.57	17.31	ppb	380.04	15.79	3600	
W	182	165	2	0.02	0.02	173.41	ppb	926.77	24.83	3600	
Pt	195	165	2	0.00	0.00	527.79	ppb	66.67	69.29	3600	
Tl	205	165	2	0.00	0.00	-182.38	ppb	106.67	47.19	3600	
Pb	208	165	2	0.01	0.01	96.47	ppb	1246.81	11.83	3600	
Th	232	165	2	0.01	0.01	84.54	ppb	460.05	30.44	3600	
U	238	165	2	0.03	0.03	11.07	ppb	466.72	8.92	3600	

QC ISTD Table

Element	m/z	Tune Step	CPS	%RSD	Ref CPS	%Rec	Lower Limit	Upper Limit	QC Flag
Li6	6	1	1123461	1.90	1785568	62.9	60	125	
Sc (IS)	45	2	726069	0.40	1044004	69.5	60	125	
Ge (IS)	72	1	16036033	0.36	25160288	63.7	60	125	
Ge (IS)	72	2	1060941	0.45	1449538	73.2	60	125	
115In	115	2	3254329	1.60	4071130	79.9	60	125	
Ho-165	165	2	21805595	0.93	25018358	87.2	60	125	

TuneStep	TuneFile	TuneDate
1	h2_hmi.u	5/2/2012 7:00:00 PM
2	he_hmi.u	5/2/2012 7:00:00 PM

Sample Report

Sample Name	280-28141-F-1-C MS
Data File Name	151SMPL.D
DataPath	d:\DATA\050212.B
Acq Date Time	2012-05-02T19:04:46-06:00
Type	Sample
VialNumber	3108
Dilution	1
Comment	117259 6020
Operator	LMT
ISTDRefDataFileName	121CALB.D
SamplePassFail	Fail
ISTD PassFail	Pass

QC Analyte Table

Element	m/z	ISTD	Tune Step	Meas Value	FinalConc	%RSD	Units	CPS	CPS %RSD	High Value	QC Flag
Be	9	6	1	40.38	40.38	5.48	ppb	11293.53	3.00	3600	
Na	23	45	2	27021.18	27021.18	1.47	ppb	4728595.24	1.22	1800000	
Mg	24	45	2	5709.88	5709.88	1.21	ppb	404623.95	1.56	450000	
Al	27	45	2	2.68	2.68	142.31	ppb	53.34	94.37	450000	
K	39	45	2	3294.74	3294.74	2.55	ppb	99610.11	2.01	180000	
Ca	44	45	2	22059.83	22059.83	2.77	ppb	36332.31	2.16	450000	
V	51	72	2	41.74	41.74	0.93	ppb	38462.97	1.42	3600	
Cr	52	72	2	41.97	41.97	4.73	ppb	56523.91	4.93	3600	
Mn	55	72	2	41.47	41.47	5.52	ppb	18030.38	6.00	3600	
Fe	57	72	2	33.16	33.16	8.63	ppb	973.44	7.78	90000	
Co	59	72	2	42.31	42.31	0.61	ppb	117635.57	0.45	3600	
Ni	60	72	2	44.20	44.20	0.62	ppb	35825.21	0.91	3600	
Cu	63	72	2	44.28	44.28	1.02	ppb	106642.18	1.44	3600	
Zn	66	72	2	36.63	36.63	5.69	ppb	8356.00	5.12	3600	
As	75	72	2	39.39	39.39	6.41	ppb	4320.68	6.03	3600	
Se	78	72	1	34.94	34.94	2.16	ppb	16853.42	1.82	3600	
Nb	93	72	2	0.13	0.13	27.55	ppb	633.41	17.39	7200	
Mo	95	115	2	38.22	38.22	6.55	ppb	40228.38	6.04	3600	
Pd	105	115	2	0.00	0.00	#DIV/0!	ppb	0.00	#DIV/0!	3600	
Ag	107	115	2	40.17	40.17	0.68	ppb	182735.81	1.35	900	
Cd	111	115	2	39.62	39.62	5.42	ppb	17263.45	5.39	3600	
Sn	120	115	2	41.63	41.63	1.81	ppb	41372.47	1.30	3600	
Sb	121	115	2	41.12	41.12	3.11	ppb	26048.30	2.54	3600	
Ba	137	115	2	53.63	53.63	4.08	ppb	11818.60	4.75	3600	
W	182	165	2	0.03	0.03	95.31	ppb	940.13	16.62	3600	
Pt	195	165	2	0.01	0.01	138.36	ppb	86.67	48.04	3600	
Tl	205	165	2	43.62	43.62	2.39	ppb	412180.66	1.64	3600	
Pb	208	165	2	43.89	43.89	0.26	ppb	521635.42	0.56	3600	
Th	232	165	2	43.35	43.35	1.44	ppb	485624.41	1.00	3600	
U	238	165	2	46.38	46.38	1.89	ppb	645336.07	1.63	3600	

QC ISTD Table

Element	m/z	Tune Step	CPS	%RSD	Ref CPS	%Rec	Lower Limit	Upper Limit	QC Flag
Li6	6	1	1014739	3.77	1785568	56.8	60	125	IS Main Failed
Sc (IS)	45	2	704631	0.62	1044004	67.5	60	125	
Ge (IS)	72	1	14520765	0.56	25160288	57.7	60	125	IS Main Failed
Ge (IS)	72	2	1000604	0.53	1449538	69.0	60	125	
115In	115	2	3172438	0.67	4071130	77.9	60	125	
Ho-165	165	2	21300986	0.74	25018358	85.1	60	125	

TuneStep	TuneFile	TuneDate
1	h2_hmi.u	5/2/2012 7:03:00 PM
2	he_hmi.u	5/2/2012 7:03:00 PM

Sample Report

Sample Name	280-28141-F-1-D MSD
Data File Name	152SMPL.D
DataPath	d:\DATA\050212.B
Acq Date Time	2012-05-02T19:07:46-06:00
Type	Sample
VialNumber	3109
Dilution	1
Comment	117259 6020
Operator	LMT
ISTDRefDataFileName	121CALB.D
SamplePassFail	Fail
ISTD PassFail	Pass

QC Analyte Table

Element	m/z	ISTD	Tune Step	Meas Value	FinalConc	%RSD	Units	CPS	CPS %RSD	High Value	QC Flag
Be	9	6	1	39.24	39.24	4.79	ppb	11101.75	2.74	3600	
Na	23	45	2	26723.09	26723.09	0.60	ppb	4696504.41	0.47	1800000	
Mg	24	45	2	5651.19	5651.19	1.51	ppb	402152.41	1.67	450000	
Al	27	45	2	1.16	1.16	75.97	ppb	33.33	34.64	450000	
K	39	45	2	3280.74	3280.74	1.84	ppb	99625.41	2.29	180000	
Ca	44	45	2	21660.87	21660.87	1.43	ppb	35831.34	1.76	450000	
V	51	72	2	40.53	40.53	6.32	ppb	37540.12	6.47	3600	
Cr	52	72	2	40.26	40.26	1.12	ppb	54490.45	0.74	3600	
Mn	55	72	2	43.61	43.61	1.44	ppb	19045.01	2.01	3600	
Fe	57	72	2	8.67	8.67	49.89	ppb	326.70	34.81	90000	
Co	59	72	2	41.30	41.30	0.70	ppb	115374.72	0.22	3600	
Ni	60	72	2	41.78	41.78	4.26	ppb	34047.29	4.83	3600	
Cu	63	72	2	43.60	43.60	3.54	ppb	105524.14	2.99	3600	
Zn	66	72	2	36.40	36.40	4.21	ppb	8349.20	4.19	3600	
As	75	72	2	38.74	38.74	1.88	ppb	4270.70	1.30	3600	
Se	78	72	1	35.40	35.40	1.70	ppb	17077.63	2.69	3600	
Nb	93	72	2	0.06	0.06	129.12	ppb	413.38	59.72	7200	
Mo	95	115	2	38.77	38.77	3.94	ppb	40951.14	5.00	3600	
Pd	105	115	2	0.01	0.01	99.38	ppb	20.00	100.00	3600	
Ag	107	115	2	39.52	39.52	1.28	ppb	180316.92	0.36	900	
Cd	111	115	2	39.68	39.68	3.36	ppb	17343.26	3.38	3600	
Sn	120	115	2	42.48	42.48	2.61	ppb	42341.54	2.97	3600	
Sb	121	115	2	40.46	40.46	2.41	ppb	25721.29	3.52	3600	
Ba	137	115	2	47.60	47.60	5.74	ppb	10517.42	4.22	3600	
W	182	165	2	0.02	0.02	85.50	ppb	933.45	15.20	3600	
Pt	195	165	2	0.01	0.01	15.41	ppb	133.35	8.66	3600	
Tl	205	165	2	43.10	43.10	2.04	ppb	409218.21	1.42	3600	
Pb	208	165	2	43.90	43.90	0.98	ppb	524087.19	0.12	3600	
Th	232	165	2	44.90	44.90	1.00	ppb	505244.98	0.97	3600	
U	238	165	2	45.72	45.72	0.70	ppb	638965.51	0.56	3600	

QC ISTD Table

Element	m/z	Tune Step	CPS	%RSD	Ref CPS	%Rec	Lower Limit	Upper Limit	QC Flag
Li6	6	1	1025850	2.30	1785568	57.5	60	125	IS Main Failed
Sc (IS)	45	2	707626	1.05	1044004	67.8	60	125	
Ge (IS)	72	1	14521287	1.03	25160288	57.7	60	125	IS Main Failed
Ge (IS)	72	2	1005535	0.58	1449538	69.4	60	125	
115In	115	2	3182093	1.54	4071130	78.2	60	125	
Ho-165	165	2	21398066	0.86	25018358	85.5	60	125	

TuneStep	TuneFile	TuneDate
1	h2_hmi.u	5/2/2012 7:06:00 PM
2	he_hmi.u	5/2/2012 7:06:00 PM

Sample Report

Sample Name	280-28141-F-1-B pds
Data File Name	153SMPL.D
DataPath	d:\DATA\050212.B
Acq Date Time	2012-05-02T19:10:44-06:00
Type	Sample
VialNumber	3110
Dilution	1
Comment	117259 6020
Operator	LMT
ISTDRefDataFileName	121CALB.D
SamplePassFail	Fail
ISTD PassFail	Pass

QC Analyte Table

Element	m/z	ISTD	Tune Step	Meas Value	FinalConc	%RSD	Units	CPS	CPS %RSD	High Value	QC Flag
Be	9	6	1	163.63	163.63	2.12	ppb	45678.10	1.44	3600	
Na	23	45	2	25997.52	25997.52	1.84	ppb	4471601.19	0.98	1800000	
Mg	24	45	2	5535.95	5535.95	1.63	ppb	385532.47	1.60	450000	
Al	27	45	2	3.28	3.28	45.44	ppb	60.01	33.34	450000	
K	39	45	2	3251.63	3251.63	2.07	ppb	96624.55	0.70	180000	
Ca	44	45	2	21722.80	21722.80	5.64	ppb	35149.22	4.25	450000	
V	51	72	2	172.33	172.33	1.23	ppb	157074.55	1.13	3600	
Cr	52	72	2	167.28	167.28	1.78	ppb	222656.82	1.52	3600	
Mn	55	72	2	168.96	168.96	2.66	ppb	72528.81	2.88	3600	
Fe	57	72	2	17.99	17.99	42.52	ppb	566.72	35.71	90000	
Co	59	72	2	171.10	171.10	0.65	ppb	470945.11	0.75	3600	
Ni	60	72	2	173.74	173.74	1.75	ppb	139053.35	1.59	3600	
Cu	63	72	2	173.78	173.78	1.32	ppb	410492.51	1.09	3600	
Zn	66	72	2	158.23	158.23	1.21	ppb	35063.48	0.92	3600	
As	75	72	2	158.42	158.42	4.85	ppb	17208.93	4.95	3600	
Se	78	72	1	145.10	145.10	0.93	ppb	68998.17	0.39	3600	
Nb	93	72	2	0.07	0.07	45.13	ppb	420.04	21.82	7200	
Mo	95	115	2	189.37	189.37	0.80	ppb	196769.05	0.83	3600	
Pd	105	115	2	0.01	0.01	100.50	ppb	20.00	100.00	3600	
Ag	107	115	2	97.84	97.84	44.37	ppb	439890.05	44.78	900	
Cd	111	115	2	157.94	157.94	2.37	ppb	67855.79	1.53	3600	
Sn	120	115	2	202.42	202.42	3.12	ppb	197931.75	2.89	3600	
Sb	121	115	2	194.72	194.72	1.31	ppb	121555.42	1.77	3600	
Ba	137	115	2	184.94	184.94	3.15	ppb	40176.13	3.81	3600	
W	182	165	2	0.02	0.02	79.01	ppb	866.76	9.33	3600	
Pt	195	165	2	0.00	0.00	111.88	ppb	66.67	17.33	3600	
Tl	205	165	2	181.25	181.25	1.29	ppb	1710278.20	0.77	3600	
Pb	208	165	2	179.86	179.86	0.98	ppb	2131366.06	0.69	3600	
Th	232	165	2	187.53	187.53	1.89	ppb	2096982.83	1.68	3600	
U	238	165	2	190.20	190.20	0.95	ppb	2642386.94	0.66	3600	

QC ISTD Table

Element	m/z	Tune Step	CPS	%RSD	Ref CPS	%Rec	Lower Limit	Upper Limit	QC Flag
Li6	6	1	1011844	1.00	1785568	56.7	60	125	IS Main Failed
Sc (IS)	45	2	692558	1.80	1044004	66.3	60	125	
Ge (IS)	72	1	14322701	1.32	25160288	56.9	60	125	IS Main Failed
Ge (IS)	72	2	990616	0.29	1449538	68.3	60	125	
115In	115	2	3132441	0.83	4071130	76.9	60	125	
Ho-165	165	2	21271705	0.66	25018358	85.0	60	125	

TuneStep	TuneFile	TuneDate
1	h2_hmi.u	5/2/2012 7:09:00 PM
2	he_hmi.u	5/2/2012 7:09:00 PM

Continuing Calibration Verification (CCV) - US EPA Method 6020

Sample Name	ccv-1394868
Data File Name	1546CCV.D
DataPath	d:\DATA\050212.B
Acq Date Time	2012-05-02T19:13:41-06:00
Type	6-CCV
VialNumber	1106
Dilution	1
Comment	
Operator	LMT
ISTDRefDataFileName	121CALB.D
SamplePassFail	Fail
ISTD PassFail	Pass

QC Analyte Table

Element	m/z	ISTD	Tune Step	Meas Value	%RSD	Units	CPS	CPS%RSD	Exp Value	%Rec	QC Low	QC High	QC Flag
Be	9	6	1	53.47	2.01	ppb	15556.61	0.77	50	106.9	90	110	
Na	23	45	2	4856.55	0.85	ppb	850533.11	0.80	5000	97.1	90	110	
Mg	24	45	2	4998.16	1.08	ppb	347519.84	1.14	5000	100.0	90	110	
Al	27	45	2	5089.19	1.34	ppb	65425.03	1.24	5000	101.8	90	110	
K	39	45	2	4892.42	0.38	ppb	144530.41	0.30	5000	97.8	90	110	
Ca	44	45	2	5285.98	1.47	ppb	8562.64	1.42	5000	105.7	90	110	
V	51	72	2	46.21	4.25	ppb	43347.53	4.95	50	92.4	90	110	
Cr	52	72	2	47.44	1.30	ppb	65005.78	1.29	50	94.9	90	110	
Mn	55	72	2	49.23	5.66	ppb	21774.72	6.46	50	98.5	90	110	
Fe	57	72	2	5034.82	1.50	ppb	135665.83	1.00	5000	100.7	90	110	
Co	59	72	2	48.60	1.61	ppb	137540.35	1.56	50	97.2	90	110	
Ni	60	72	2	49.87	2.81	ppb	41123.11	2.00	50	99.7	90	110	
Cu	63	72	2	50.84	2.81	ppb	124409.16	1.98	50	101.7	90	110	
Zn	66	72	2	50.55	5.39	ppb	11658.14	4.46	50	101.1	90	110	
As	75	72	2	50.87	4.43	ppb	5681.11	4.67	50	101.7	90	110	
Se	78	72	1	49.34	0.70	ppb	25479.51	0.99	50	98.7	90	110	
Nb	93	72	2	102.94	1.73	ppb	324289.43	1.08	100	102.9	90	110	
Mo	95	115	2	47.82	1.92	ppb	49519.50	1.46	50	95.6	90	110	
Pd	105	115	2	50.81	3.70	ppb	101684.47	3.34	50	101.6	90	110	
Ag	107	115	2	49.89	0.41	ppb	223253.39	0.18	50	99.8	90	110	
Cd	111	115	2	49.65	4.80	ppb	21281.37	5.34	50	99.3	90	110	
Sn	120	115	2	51.09	1.75	ppb	49909.25	1.95	50	102.2	90	110	
Sb	121	115	2	50.63	3.37	ppb	31537.83	3.14	50	101.3	90	110	
Ba	137	115	2	50.49	2.34	ppb	10944.55	1.80	50	101.0	90	110	
W	182	165	2	51.00	0.54	ppb	319266.05	0.68	50	102.0	90	110	
Pt	195	165	2	50.88	0.19	ppb	287616.27	0.71	50	101.8	90	110	
Tl	205	165	2	52.61	0.66	ppb	495118.39	0.58	50	105.2	90	110	
Pb	208	165	2	53.30	0.30	ppb	630616.53	0.70	50	106.6	90	110	
Th	232	165	2	58.36	1.23	ppb	651000.60	0.94	50	116.7	90	110	6-CCV Main Failed
U	238	165	2	54.96	1.29	ppb	761500.61	1.38	50	109.9	90	110	

QC ISTD Table

Element	m/z	Tune Step	CPS	%RSD	Ref CPS	%Rec	QC Low	QC High	QC Flag
Li6	6	1	1054489	1.37	1785568	59.1	60	125	IS Main Failed
Sc (IS)	45	2	691326	0.10	1044004	66.2	60	125	
Ge (IS)	72	1	15549753	0.42	25160288	61.8	60	125	
Ge (IS)	72	2	1018470	0.82	1449538	70.3	60	125	
115In	115	2	3120891	0.57	4071130	76.7	60	125	
Ho-165	165	2	21211900	0.55	25018358	84.8	60	125	

TuneStep	TuneFile
1	h2_hmi.u
2	he_hmi.u

Continuing Calibration Blank (CCB) - US EPA Method 6020

Sample Name	ccb-1394903
Data File Name	1556CCB.D
DataPath	d:\DATA\050212.B
Acq Date Time	2012-05-02T19:16:40-06:00
Type	6-CCB
VialNumber	1306
Dilution	1
Comment	
Operator	LMT
ISTDRefDataFileName	121CALB.D
SamplePassFail	Fail
ISTD PassFail	Pass

QC Analyte Table

Element	m/z	ISTD	Tune Step	Meas Value	%RSD	Units	CPS	CPS %RSD	QC High	QC Flag
Be	9	6	1	0.01	166.01	ppb	6.67	114.56	1	
Na	23	45	2	-72.32	-5.30	ppb	7889.09	7.53	20	
Mg	24	45	2	-0.70	-45.99	ppb	153.35	15.06	20	
Al	27	45	2	1.79	234.51	ppb	40.00	132.29	20	
K	39	45	2	-10.39	-40.86	ppb	926.78	12.46	20	
Ca	44	45	2	0.14	21077.47	ppb	26.67	173.21	20	
V	51	72	2	0.02	1110.89	ppb	63.18	265.62	1	
Cr	52	72	2	0.05	167.57	ppb	193.35	63.21	1	
Mn	55	72	2	-0.03	-297.73	ppb	46.67	89.21	1	
Fe	57	72	2	0.10	3955.10	ppb	100.01	103.93	20	
Co	59	72	2	0.04	72.45	ppb	100.01	72.11	1	
Ni	60	72	2	-0.05	-258.37	ppb	86.67	113.84	1	
Cu	63	72	2	-0.12	-106.79	ppb	1066.80	27.13	1	
Zn	66	72	2	0.11	378.64	ppb	233.36	40.51	5	
As	75	72	2	0.36	25.90	ppb	40.00	25.00	5	
Se	78	72	1	0.04	46.37	ppb	30.67	30.12	5	
Nb	93	72	2	1.13	17.27	ppb	3754.08	16.11	5	
Mo	95	115	2	0.14	58.60	ppb	160.02	50.00	1	
Pd	105	115	2	0.02	1.32	ppb	40.00	0.00	1	
Ag	107	115	2	0.57	19.66	ppb	2587.09	19.35	1	
Cd	111	115	2	0.02	368.86	ppb	40.01	86.60	1	
Sn	120	115	2	0.20	39.34	ppb	373.37	21.65	5	
Sb	121	115	2	0.32	58.85	ppb	273.36	44.11	0.2	6-CCB Main Failed
Ba	137	115	2	-0.06	-184.83	ppb	13.33	173.21	1	
W	182	165	2	0.06	60.00	ppb	1133.48	18.87	1	
Pt	195	165	2	0.02	125.14	ppb	153.35	79.70	1	
Tl	205	165	2	0.04	21.86	ppb	486.72	15.56	1	
Pb	208	165	2	0.02	59.94	ppb	1286.80	9.87	1	
Th	232	165	2	0.45	23.31	ppb	5221.34	21.25	1	
U	238	165	2	0.04	8.46	ppb	660.08	8.02	1	

QC ISTD Table

Element	m/z	Tune Step	CPS	%RSD	Ref CPS	%Rec	QC Low	QC High	QC Flag
Li6	6	1	1094595	1.57	1785568	61.3	60	125	
Sc (IS)	45	2	684512	0.83	1044004	65.6	60	125	
Ge (IS)	72	1	15427729	0.26	25160288	61.3	60	125	
Ge (IS)	72	2	1007589	1.00	1449538	69.5	60	125	
115In	115	2	3114368	1.31	4071130	76.5	60	125	
Ho-165	165	2	21035961	0.75	25018358	84.1	60	125	

TuneStep	TuneFile
1	h2_hmi.u
2	he_hmi.u

Sample Report

Sample Name	280-28141-F-2-B
Data File Name	156SMPL.D
DataPath	d:\DATA\050212.B
Acq Date Time	2012-05-02T19:19:41-06:00
Type	Sample
VialNumber	3111
Dilution	1
Comment	117259 6020
Operator	LMT
ISTDRefDataFileName	121CALB.D
SamplePassFail	Fail
ISTD PassFail	Pass

QC Analyte Table

Element	m/z	ISTD	Tune Step	Meas Value	FinalConc	%RSD	Units	CPS	CPS %RSD	High Value	QC Flag
Be	9	6	1	0.01	0.01	160.52	ppb	5.00	100.00	3600	
Na	23	45	2	29357.20	29357.20	4.26	ppb	4907166.07	1.73	1800000	
Mg	24	45	2	7878.76	7878.76	6.49	ppb	533131.62	3.54	450000	
Al	27	45	2	2.40	2.40	107.45	ppb	46.67	65.47	450000	
K	39	45	2	10604.14	10604.14	6.19	ppb	303541.46	3.12	180000	
Ca	44	45	2	28701.91	28701.91	9.51	ppb	45118.81	6.55	450000	
V	51	72	2	0.90	0.90	25.95	ppb	851.64	25.55	3600	
Cr	52	72	2	0.20	0.20	43.83	ppb	380.05	32.02	3600	
Mn	55	72	2	103.05	103.05	6.31	ppb	43347.79	4.16	3600	
Fe	57	72	2	4.17	4.17	22.41	ppb	200.02	10.00	90000	
Co	59	72	2	0.87	0.87	13.24	ppb	2340.37	11.21	3600	
Ni	60	72	2	1.58	1.58	14.46	ppb	1360.15	11.10	3600	
Cu	63	72	2	1.99	1.99	11.53	ppb	5888.04	7.00	3600	
Zn	66	72	2	0.68	0.68	36.91	ppb	346.71	13.32	3600	
As	75	72	2	0.65	0.65	55.98	ppb	70.00	57.15	3600	
Se	78	72	1	0.05	0.05	76.21	ppb	33.33	54.11	3600	
Nb	93	72	2	0.58	0.58	17.81	ppb	1953.62	16.20	7200	
Mo	95	115	2	0.14	0.14	39.68	ppb	160.02	33.07	3600	
Pd	105	115	2	0.01	0.01	86.66	ppb	26.67	86.60	3600	
Ag	107	115	2	0.13	0.13	32.92	ppb	586.74	28.59	900	
Cd	111	115	2	0.11	0.11	69.16	ppb	73.34	41.66	3600	
Sn	120	115	2	0.03	0.03	127.99	ppb	200.02	17.32	3600	
Sb	121	115	2	0.25	0.25	80.40	ppb	220.02	56.77	3600	
Ba	137	115	2	18.79	18.79	11.59	ppb	3914.21	9.37	3600	
W	182	165	2	0.26	0.26	20.28	ppb	2287.03	14.03	3600	
Pt	195	165	2	0.00	0.00	-336.38	ppb	40.01	132.29	3600	
Tl	205	165	2	0.03	0.03	79.91	ppb	366.71	50.68	3600	
Pb	208	165	2	0.03	0.03	77.32	ppb	1393.49	18.46	3600	
Th	232	165	2	0.81	0.81	17.55	ppb	8950.00	13.77	3600	
U	238	165	2	0.08	0.08	27.00	ppb	1080.13	23.13	3600	

QC ISTD Table

Element	m/z	Tune Step	CPS	%RSD	Ref CPS	%Rec	Lower Limit	Upper Limit	QC Flag
Li6	6	1	966195	2.21	1785568	54.1	60	125	IS Main Failed
Sc (IS)	45	2	673798	2.97	1044004	64.5	60	125	
Ge (IS)	72	1	14004286	0.34	25160288	55.7	60	125	IS Main Failed
Ge (IS)	72	2	971101	2.09	1449538	67.0	60	125	
115In	115	2	2991991	2.65	4071130	73.5	60	125	
Ho-165	165	2	20529375	3.14	25018358	82.1	60	125	

TuneStep	TuneFile	TuneDate
1	h2_hmi.u	5/2/2012 7:18:00 PM
2	he_hmi.u	5/2/2012 7:18:00 PM

Sample Report

Sample Name	280-28141-F-3-B
Data File Name	157SMPL.D
DataPath	d:\DATA\050212.B
Acq Date Time	2012-05-02T19:22:40-06:00
Type	Sample
VialNumber	3112
Dilution	1
Comment	117259 6020
Operator	LMT
ISTDRefDataFileName	121CALB.D
SamplePassFail	Fail
ISTD PassFail	Pass

QC Analyte Table

Element	m/z	ISTD	Tune Step	Meas Value	FinalConc	%RSD	Units	CPS	CPS %RSD	High Value	QC Flag
Be	9	6	1	0.00	0.00	-1207.31	ppb	1.67	173.21	3600	
Na	23	45	2	8346.09	8346.09	1.69	ppb	1412208.21	1.58	1800000	
Mg	24	45	2	9406.09	9406.09	2.15	ppb	638056.25	1.85	450000	
Al	27	45	2	1.29	1.29	257.51	ppb	33.34	124.91	450000	
K	39	45	2	2329.60	2329.60	1.81	ppb	67801.04	2.10	180000	
Ca	44	45	2	23594.96	23594.96	3.43	ppb	37214.10	3.72	450000	
V	51	72	2	2.34	2.34	11.92	ppb	2163.95	11.62	3600	
Cr	52	72	2	0.44	0.44	29.82	ppb	700.07	24.91	3600	
Mn	55	72	2	0.18	0.18	15.73	ppb	133.34	8.66	3600	
Fe	57	72	2	13.04	13.04	17.34	ppb	433.37	13.32	90000	
Co	59	72	2	0.08	0.08	48.67	ppb	226.69	48.60	3600	
Ni	60	72	2	0.49	0.49	48.82	ppb	513.38	37.03	3600	
Cu	63	72	2	0.24	0.24	44.99	ppb	1866.92	13.48	3600	
Zn	66	72	2	0.38	0.38	13.40	ppb	286.69	4.03	3600	
As	75	72	2	0.28	0.28	66.59	ppb	30.00	66.67	3600	
Se	78	72	1	0.05	0.05	96.61	ppb	34.67	69.55	3600	
Nb	93	72	2	0.21	0.21	18.28	ppb	846.77	13.43	7200	
Mo	95	115	2	0.19	0.19	69.48	ppb	220.02	63.64	3600	
Pd	105	115	2	0.02	0.02	66.23	ppb	46.67	65.47	3600	
Ag	107	115	2	0.11	0.11	25.93	ppb	513.40	25.35	900	
Cd	111	115	2	0.05	0.05	101.28	ppb	53.34	43.31	3600	
Sn	120	115	2	0.00	0.00	2008.20	ppb	180.02	19.25	3600	
Sb	121	115	2	0.09	0.09	92.53	ppb	126.68	39.74	3600	
Ba	137	115	2	4.12	4.12	19.55	ppb	913.44	19.63	3600	
W	182	165	2	0.06	0.06	61.73	ppb	1146.84	20.81	3600	
Pt	195	165	2	0.00	0.00	-249.01	ppb	40.00	100.00	3600	
Tl	205	165	2	0.00	0.00	773.90	ppb	140.02	62.27	3600	
Pb	208	165	2	0.02	0.02	74.29	ppb	1353.49	16.28	3600	
Th	232	165	2	0.32	0.32	5.65	ppb	3794.16	5.64	3600	
U	238	165	2	0.12	0.12	6.36	ppb	1666.94	6.61	3600	

QC ISTD Table

Element	m/z	Tune Step	CPS	%RSD	Ref CPS	%Rec	Lower Limit	Upper Limit	QC Flag
Li6	6	1	987384	1.17	1785568	55.3	60	125	IS Main Failed
Sc (IS)	45	2	674688	0.38	1044004	64.6	60	125	
Ge (IS)	72	1	14336295	0.94	25160288	57.0	60	125	IS Main Failed
Ge (IS)	72	2	983174	0.22	1449538	67.8	60	125	
115In	115	2	3109427	0.80	4071130	76.4	60	125	
Ho-165	165	2	21028459	0.50	25018358	84.1	60	125	

TuneStep	TuneFile	TuneDate
1	h2_hmi.u	5/2/2012 7:21:00 PM
2	he_hmi.u	5/2/2012 7:21:00 PM

Sample Report

Sample Name	280-28141-F-4-B
Data File Name	158SMPL.D
DataPath	d:\DATA\050212.B
Acq Date Time	2012-05-02T19:25:39-06:00
Type	Sample
VialNumber	3201
Dilution	1
Comment	117259 6020
Operator	LMT
ISTDRefDataFileName	121CALB.D
SamplePassFail	Fail
ISTD PassFail	Pass

QC Analyte Table

Element	m/z	ISTD	Tune Step	Meas Value	FinalConc	%RSD	Units	CPS	CPS %RSD	High Value	QC Flag
Be	9	6	1	0.01	0.01	393.99	ppb	3.33	173.21	3600	
Na	23	45	2	22150.27	22150.27	0.34	ppb	3741803.59	0.54	1800000	
Mg	24	45	2	6752.87	6752.87	0.96	ppb	461430.52	0.90	450000	
Al	27	45	2	2.84	2.84	63.14	ppb	53.34	43.31	450000	
K	39	45	2	6918.78	6918.78	2.98	ppb	200376.74	2.42	180000	
Ca	44	45	2	25959.59	25959.59	3.10	ppb	41228.79	2.77	450000	
V	51	72	2	0.78	0.78	15.26	ppb	752.67	15.01	3600	
Cr	52	72	2	0.11	0.11	38.11	ppb	260.03	20.35	3600	
Mn	55	72	2	1.53	1.53	13.08	ppb	706.74	11.44	3600	
Fe	57	72	2	8.22	8.22	30.95	ppb	306.70	20.97	90000	
Co	59	72	2	0.13	0.13	28.87	ppb	346.70	29.61	3600	
Ni	60	72	2	0.61	0.61	30.06	ppb	606.73	23.39	3600	
Cu	63	72	2	1.31	1.31	6.57	ppb	4354.28	4.37	3600	
Zn	66	72	2	0.82	0.82	52.45	ppb	380.04	24.12	3600	
As	75	72	2	0.53	0.53	37.35	ppb	56.67	36.74	3600	
Se	78	72	1	0.03	0.03	169.66	ppb	22.67	97.19	3600	
Nb	93	72	2	0.13	0.13	25.13	ppb	606.73	16.92	7200	
Mo	95	115	2	0.03	0.03	185.66	ppb	53.34	114.57	3600	
Pd	105	115	2	0.00	0.00	173.21	ppb	6.67	173.21	3600	
Ag	107	115	2	0.10	0.10	24.87	ppb	480.06	23.20	900	
Cd	111	115	2	0.04	0.04	192.53	ppb	46.67	65.47	3600	
Sn	120	115	2	-0.01	-0.01	-639.02	ppb	166.68	48.50	3600	
Sb	121	115	2	0.01	0.01	421.53	ppb	80.01	43.30	3600	
Ba	137	115	2	14.44	14.44	4.46	ppb	3153.91	4.59	3600	
W	182	165	2	0.02	0.02	147.96	ppb	900.12	23.20	3600	
Pt	195	165	2	0.00	0.00	377.57	ppb	80.01	114.57	3600	
Tl	205	165	2	0.01	0.01	35.60	ppb	213.36	14.32	3600	
Pb	208	165	2	0.04	0.04	28.38	ppb	1560.18	8.97	3600	
Th	232	165	2	0.19	0.19	19.05	ppb	2420.42	16.88	3600	
U	238	165	2	0.02	0.02	19.88	ppb	366.70	16.67	3600	

QC ISTD Table

Element	m/z	Tune Step	CPS	%RSD	Ref CPS	%Rec	Lower Limit	Upper Limit	QC Flag
Li6	6	1	969208	0.63	1785568	54.3	60	125	IS Main Failed
Sc (IS)	45	2	679529	0.72	1044004	65.1	60	125	
Ge (IS)	72	1	14011207	0.27	25160288	55.7	60	125	IS Main Failed
Ge (IS)	72	2	979336	0.76	1449538	67.6	60	125	
115In	115	2	3126649	0.35	4071130	76.8	60	125	
Ho-165	165	2	20918307	0.17	25018358	83.6	60	125	

TuneStep	TuneFile	TuneDate
1	h2_hmi.u	5/2/2012 7:24:00 PM
2	he_hmi.u	5/2/2012 7:24:00 PM

Sample Report

Sample Name	280-28141-F-5-B
Data File Name	159SMPL.D
DataPath	d:\DATA\050212.B
Acq Date Time	2012-05-02T19:28:38-06:00
Type	Sample
VialNumber	3202
Dilution	1
Comment	117259 6020
Operator	LMT
ISTDRefDataFileName	121CALB.D
SamplePassFail	Fail
ISTD PassFail	Pass

QC Analyte Table

Element	m/z	ISTD	Tune Step	Meas Value	FinalConc	%RSD	Units	CPS	CPS %RSD	High Value	QC Flag
Be	9	6	1	-0.01	-0.01	0.00	ppb	0.00	#DIV/0!	3600	
Na	23	45	2	97.43	97.43	5.87	ppb	35462.54	2.90	1800000	
Mg	24	45	2	3.08	3.08	58.71	ppb	400.04	30.42	450000	
Al	27	45	2	3.52	3.52	122.83	ppb	60.01	88.19	450000	
K	39	45	2	6.05	6.05	72.58	ppb	1360.18	9.65	180000	
Ca	44	45	2	78.40	78.40	34.60	ppb	146.69	28.39	450000	
V	51	72	2	-0.03	-0.03	-494.29	ppb	15.72	950.98	3600	
Cr	52	72	2	0.11	0.11	112.65	ppb	266.69	62.90	3600	
Mn	55	72	2	0.25	0.25	75.50	ppb	166.69	48.49	3600	
Fe	57	72	2	9.16	9.16	45.55	ppb	333.37	33.04	90000	
Co	59	72	2	0.01	0.01	100.30	ppb	20.00	100.00	3600	
Ni	60	72	2	0.01	0.01	633.46	ppb	133.35	52.68	3600	
Cu	63	72	2	1.27	1.27	14.04	ppb	4287.55	9.35	3600	
Zn	66	72	2	1.60	1.60	29.08	ppb	553.39	18.19	3600	
As	75	72	2	0.28	0.28	88.32	ppb	30.00	88.20	3600	
Se	78	72	1	-0.01	-0.01	-118.89	ppb	4.00	173.21	3600	
Nb	93	72	2	0.10	0.10	76.59	ppb	533.39	45.05	7200	
Mo	95	115	2	-0.01	-0.01	-160.46	ppb	13.33	86.60	3600	
Pd	105	115	2	0.00	0.00	#DIV/0!	ppb	0.00	#DIV/0!	3600	
Ag	107	115	2	0.18	0.18	9.19	ppb	813.42	9.31	900	
Cd	111	115	2	0.07	0.07	118.20	ppb	60.01	57.74	3600	
Sn	120	115	2	0.00	0.00	16494.19	ppb	180.02	61.86	3600	
Sb	121	115	2	-0.03	-0.03	-329.06	ppb	53.34	114.57	3600	
Ba	137	115	2	-0.03	-0.03	-600.67	ppb	20.00	173.21	3600	
W	182	165	2	0.02	0.02	55.26	ppb	913.46	9.12	3600	
Pt	195	165	2	0.00	0.00	1297.25	ppb	60.01	88.20	3600	
Tl	205	165	2	0.00	0.00	2423.38	ppb	133.35	82.62	3600	
Pb	208	165	2	0.03	0.03	66.08	ppb	1393.49	15.48	3600	
Th	232	165	2	0.11	0.11	12.11	ppb	1466.88	9.68	3600	
U	238	165	2	0.00	0.00	199.81	ppb	73.34	31.49	3600	

QC ISTD Table

Element	m/z	Tune Step	CPS	%RSD	Ref CPS	%Rec	Lower Limit	Upper Limit	QC Flag
Li6	6	1	963282	2.16	1785568	53.9	60	125	IS Main Failed
Sc (IS)	45	2	662787	0.75	1044004	63.5	60	125	
Ge (IS)	72	1	14214693	0.08	25160288	56.5	60	125	IS Main Failed
Ge (IS)	72	2	984620	0.48	1449538	67.9	60	125	
115In	115	2	3122646	0.68	4071130	76.7	60	125	
Ho-165	165	2	21023275	0.13	25018358	84.0	60	125	

TuneStep	TuneFile	TuneDate
1	h2_hmi.u	5/2/2012 7:27:00 PM
2	he_hmi.u	5/2/2012 7:27:00 PM

Sample Report

Sample Name	280-28141-F-6-B
Data File Name	160SMPL.D
DataPath	d:\DATA\050212.B
Acq Date Time	2012-05-02T19:31:36-06:00
Type	Sample
VialNumber	3203
Dilution	1
Comment	117259 6020
Operator	LMT
ISTDRefDataFileName	121CALB.D
SamplePassFail	Fail
ISTD PassFail	Pass

QC Analyte Table

Element	m/z	ISTD	Tune Step	Meas Value	FinalConc	%RSD	Units	CPS	CPS %RSD	High Value	QC Flag
Be	9	6	1	0.02	0.02	155.66	ppb	6.67	114.56	3600	
Na	23	45	2	34238.03	34238.03	1.08	ppb	5757264.50	1.43	1800000	
Mg	24	45	2	9563.54	9563.54	1.16	ppb	651645.41	1.52	450000	
Al	27	45	2	8.68	8.68	37.84	ppb	126.68	32.87	450000	
K	39	45	2	18274.21	18274.21	1.23	ppb	525868.60	1.46	180000	
Ca	44	45	2	33360.48	33360.48	1.59	ppb	52832.50	1.24	450000	
V	51	72	2	1.27	1.27	8.10	ppb	1185.42	7.24	3600	
Cr	52	72	2	0.27	0.27	23.42	ppb	473.38	17.08	3600	
Mn	55	72	2	1355.19	1355.19	0.08	ppb	573608.67	0.68	3600	
Fe	57	72	2	11.09	11.09	46.50	ppb	380.04	34.52	90000	
Co	59	72	2	1.35	1.35	7.85	ppb	3654.02	7.23	3600	
Ni	60	72	2	2.58	2.58	22.48	ppb	2153.66	21.37	3600	
Cu	63	72	2	1.72	1.72	5.13	ppb	5301.29	4.29	3600	
Zn	66	72	2	6.15	6.15	9.80	ppb	1540.20	8.52	3600	
As	75	72	2	0.90	0.90	6.22	ppb	96.67	5.97	3600	
Se	78	72	1	0.03	0.03	53.22	ppb	24.00	33.33	3600	
Nb	93	72	2	0.06	0.06	26.29	ppb	386.70	11.95	7200	
Mo	95	115	2	0.23	0.23	65.47	ppb	260.03	61.06	3600	
Pd	105	115	2	0.00	0.00	173.21	ppb	6.67	173.21	3600	
Ag	107	115	2	0.05	0.05	19.24	ppb	240.03	16.67	900	
Cd	111	115	2	-0.01	-0.01	-574.69	ppb	26.67	86.60	3600	
Sn	120	115	2	0.55	0.55	27.04	ppb	713.42	19.89	3600	
Sb	121	115	2	0.01	0.01	616.19	ppb	80.01	66.15	3600	
Ba	137	115	2	28.26	28.26	9.00	ppb	6101.56	9.65	3600	
W	182	165	2	0.03	0.03	98.97	ppb	940.12	18.91	3600	
Pt	195	165	2	0.00	0.00	-439.82	ppb	46.67	89.22	3600	
Tl	205	165	2	0.02	0.02	38.39	ppb	346.70	24.02	3600	
Pb	208	165	2	0.03	0.03	13.12	ppb	1460.16	3.62	3600	
Th	232	165	2	0.09	0.09	6.50	ppb	1260.17	5.72	3600	
U	238	165	2	0.11	0.11	7.76	ppb	1580.25	7.91	3600	

QC ISTD Table

Element	m/z	Tune Step	CPS	%RSD	Ref CPS	%Rec	Lower Limit	Upper Limit	QC Flag
Li6	6	1	948666	2.34	1785568	53.1	60	125	IS Main Failed
Sc (IS)	45	2	677668	0.41	1044004	64.9	60	125	
Ge (IS)	72	1	13732010	1.28	25160288	54.6	60	125	IS Main Failed
Ge (IS)	72	2	977530	0.61	1449538	67.4	60	125	
115In	115	2	3101204	0.81	4071130	76.2	60	125	
Ho-165	165	2	21003206	0.68	25018358	84.0	60	125	

TuneStep	TuneFile	TuneDate
1	h2_hmi.u	5/2/2012 7:30:00 PM
2	he_hmi.u	5/2/2012 7:30:00 PM

Sample Report

Sample Name	280-28141-F-7-B
Data File Name	161SMPL.D
DataPath	d:\DATA\050212.B
Acq Date Time	2012-05-02T19:34:34-06:00
Type	Sample
VialNumber	3204
Dilution	1
Comment	117259 6020
Operator	LMT
ISTDRefDataFileName	121CALB.D
SamplePassFail	Fail
ISTD PassFail	Pass

QC Analyte Table

Element	m/z	ISTD	Tune Step	Meas Value	FinalConc	%RSD	Units	CPS	CPS %RSD	High Value	QC Flag
Be	9	6	1	0.00	0.00	-1630.83	ppb	1.67	173.21	3600	
Na	23	45	2	20491.84	20491.84	0.32	ppb	3454402.66	0.84	1800000	
Mg	24	45	2	6264.65	6264.65	0.63	ppb	426994.86	0.32	450000	
Al	27	45	2	0.22	0.22	739.35	ppb	20.00	100.00	450000	
K	39	45	2	4901.51	4901.51	1.34	ppb	141959.28	1.04	180000	
Ca	44	45	2	24951.52	24951.52	1.14	ppb	39532.47	1.63	450000	
V	51	72	2	0.78	0.78	20.56	ppb	757.66	19.41	3600	
Cr	52	72	2	0.25	0.25	24.48	ppb	446.71	18.10	3600	
Mn	55	72	2	2.42	2.42	26.67	ppb	1093.48	24.97	3600	
Fe	57	72	2	7.62	7.62	64.39	ppb	293.36	43.30	90000	
Co	59	72	2	0.26	0.26	37.37	ppb	700.09	37.36	3600	
Ni	60	72	2	1.14	1.14	31.31	ppb	1026.79	27.29	3600	
Cu	63	72	2	1.04	1.04	13.06	ppb	3767.38	8.73	3600	
Zn	66	72	2	0.56	0.56	111.71	ppb	326.70	41.68	3600	
As	75	72	2	0.77	0.77	48.68	ppb	83.34	48.50	3600	
Se	78	72	1	0.04	0.04	95.67	ppb	26.67	60.62	3600	
Nb	93	72	2	0.00	0.00	10618.84	ppb	220.02	59.61	7200	
Mo	95	115	2	0.06	0.06	69.74	ppb	86.68	53.29	3600	
Pd	105	115	2	0.00	0.00	#DIV/0!	ppb	0.00	#DIV/0!	3600	
Ag	107	115	2	0.05	0.05	54.45	ppb	246.69	48.87	900	
Cd	111	115	2	0.16	0.16	49.83	ppb	100.01	34.64	3600	
Sn	120	115	2	0.02	0.02	243.86	ppb	200.02	26.46	3600	
Sb	121	115	2	0.04	0.04	279.57	ppb	93.34	65.47	3600	
Ba	137	115	2	7.73	7.73	3.93	ppb	1693.59	3.80	3600	
W	182	165	2	0.02	0.02	61.07	ppb	906.78	10.19	3600	
Pt	195	165	2	0.01	0.01	120.49	ppb	100.01	52.91	3600	
Tl	205	165	2	0.01	0.01	64.60	ppb	246.70	30.70	3600	
Pb	208	165	2	0.01	0.01	152.03	ppb	1173.46	14.50	3600	
Th	232	165	2	0.04	0.04	33.90	ppb	773.44	21.99	3600	
U	238	165	2	0.03	0.03	61.22	ppb	506.73	53.89	3600	

QC ISTD Table

Element	m/z	Tune Step	CPS	%RSD	Ref CPS	%Rec	Lower Limit	Upper Limit	QC Flag
Li6	6	1	959565	1.39	1785568	53.7	60	125	IS Main Failed
Sc (IS)	45	2	677805	0.76	1044004	64.9	60	125	
Ge (IS)	72	1	14133138	0.19	25160288	56.2	60	125	IS Main Failed
Ge (IS)	72	2	986582	0.29	1449538	68.1	60	125	
115In	115	2	3112498	0.08	4071130	76.5	60	125	
Ho-165	165	2	20975550	0.38	25018358	83.8	60	125	

TuneStep	TuneFile	TuneDate
1	h2_hmi.u	5/2/2012 7:33:00 PM
2	he_hmi.u	5/2/2012 7:33:00 PM

Continuing Calibration Verification (CCV) - US EPA Method 6020

Sample Name	ccv-1394868
Data File Name	1626CCV.D
DataPath	d:\DATA\050212.B
Acq Date Time	2012-05-02T19:37:32-06:00
Type	6-CCV
VialNumber	1106
Dilution	1
Comment	
Operator	LMT
ISTDRefDataFileName	121CALB.D
SamplePassFail	Fail
ISTD PassFail	Pass

QC Analyte Table

Element	m/z	ISTD	Tune Step	Meas Value	%RSD	Units	CPS	CPS%RSD	Exp Value	%Rec	QC Low	QC High	QC Flag
Be	9	6	1	51.66	3.27	ppb	14412.30	1.94	50	103.3	90	110	
Na	23	45	2	4813.77	0.27	ppb	806952.33	0.49	5000	96.3	90	110	
Mg	24	45	2	4990.10	0.45	ppb	332031.56	0.22	5000	99.8	90	110	
Al	27	45	2	5057.12	3.15	ppb	62213.52	2.91	5000	101.1	90	110	
K	39	45	2	4803.39	1.65	ppb	135814.60	1.39	5000	96.1	90	110	
Ca	44	45	2	5313.94	11.95	ppb	8235.92	11.66	5000	106.3	90	110	
V	51	72	2	46.51	9.51	ppb	42099.94	9.22	50	93.0	90	110	
Cr	52	72	2	46.80	5.46	ppb	61914.76	5.37	50	93.6	90	110	
Mn	55	72	2	47.77	5.74	ppb	20393.13	5.90	50	95.5	90	110	
Fe	57	72	2	4813.47	0.83	ppb	125225.10	1.05	5000	96.3	90	110	
Co	59	72	2	49.31	0.92	ppb	134712.45	1.22	50	98.6	90	110	
Ni	60	72	2	49.99	1.73	ppb	39799.61	2.07	50	100.0	90	110	
Cu	63	72	2	49.92	1.42	ppb	117961.38	1.11	50	99.8	90	110	
Zn	66	72	2	48.66	3.40	ppb	10844.23	3.37	50	97.3	90	110	
As	75	72	2	47.07	2.51	ppb	5074.23	2.16	50	94.1	90	110	
Se	78	72	1	49.81	1.00	ppb	24558.29	1.36	50	99.6	90	110	
Nb	93	72	2	103.55	0.95	ppb	314932.04	0.92	100	103.5	90	110	
Mo	95	115	2	46.97	2.07	ppb	48322.96	1.19	50	93.9	90	110	
Pd	105	115	2	47.06	1.40	ppb	93587.24	1.49	50	94.1	90	110	
Ag	107	115	2	48.72	0.29	ppb	216604.92	1.05	50	97.4	90	110	
Cd	111	115	2	50.31	6.13	ppb	21421.74	6.51	50	100.6	90	110	
Sn	120	115	2	48.47	1.37	ppb	47054.08	0.92	50	96.9	90	110	
Sb	121	115	2	51.39	2.59	ppb	31811.62	3.47	50	102.8	90	110	
Ba	137	115	2	47.54	4.52	ppb	10237.35	3.63	50	95.1	90	110	
W	182	165	2	50.54	1.77	ppb	310139.93	0.81	50	101.1	90	110	
Pt	195	165	2	51.17	1.45	ppb	283541.71	0.60	50	102.3	90	110	
Tl	205	165	2	53.15	1.06	ppb	490309.64	0.38	50	106.3	90	110	
Pb	208	165	2	53.34	1.17	ppb	618560.79	0.89	50	106.7	90	110	
Th	232	165	2	54.67	0.96	ppb	597730.29	0.49	50	109.3	90	110	
U	238	165	2	55.46	1.75	ppb	753113.09	0.81	50	110.9	90	110	6-CCV Main Failed

QC ISTD Table

Element	m/z	Tune Step	CPS	%RSD	Ref CPS	%Rec	QC Low	QC High	QC Flag
Li6	6	1	1011333	1.37	1785568	56.6	60	125	IS Main Failed
Sc (IS)	45	2	661588	0.25	1044004	63.4	60	125	
Ge (IS)	72	1	14845295	0.50	25160288	59.0	60	125	IS Main Failed
Ge (IS)	72	2	983214	0.36	1449538	67.8	60	125	
115In	115	2	3100684	0.92	4071130	76.2	60	125	
Ho-165	165	2	20792679	0.95	25018358	83.1	60	125	

TuneStep	TuneFile
1	h2_hmi.u
2	he_hmi.u

Continuing Calibration Blank (CCB) - US EPA Method 6020

Sample Name	ccb-1394903
Data File Name	1636CCB.D
DataPath	d:\DATA\050212.B
Acq Date Time	2012-05-02T19:40:30-06:00
Type	6-CCB
VialNumber	1306
Dilution	1
Comment	
Operator	LMT
ISTDRefDataFileName	121CALB.D
SamplePassFail	Fail
ISTD PassFail	Pass

QC Analyte Table

Element	m/z	ISTD	Tune Step	Meas Value	%RSD	Units	CPS	CPS %RSD	QC High	QC Flag
Be	9	6	1	0.04	118.71	ppb	11.67	98.97	1	
Na	23	45	2	-82.94	-2.91	ppb	5801.28	7.59	20	
Mg	24	45	2	0.12	1479.44	ppb	200.02	60.00	20	
Al	27	45	2	-0.27	-720.78	ppb	13.33	173.21	20	
K	39	45	2	-4.00	-162.84	ppb	1060.13	18.00	20	
Ca	44	45	2	-7.61	-200.21	ppb	13.33	173.21	20	
V	51	72	2	0.10	288.97	ppb	137.16	194.09	1	
Cr	52	72	2	0.01	96.23	ppb	126.68	9.12	1	
Mn	55	72	2	-0.01	-1007.11	ppb	53.34	78.07	1	
Fe	57	72	2	1.86	43.74	ppb	140.01	14.29	20	
Co	59	72	2	0.01	99.66	ppb	20.00	100.00	1	
Ni	60	72	2	-0.01	-633.84	ppb	113.35	36.74	1	
Cu	63	72	2	-0.03	-115.10	ppb	1213.49	6.66	1	
Zn	66	72	2	-0.43	-75.21	ppb	106.68	65.85	5	
As	75	72	2	0.09	100.43	ppb	10.00	100.00	5	
Se	78	72	1	0.07	65.51	ppb	44.00	50.62	5	
Nb	93	72	2	1.04	22.20	ppb	3300.65	21.00	5	
Mo	95	115	2	0.04	85.78	ppb	60.01	57.74	1	
Pd	105	115	2	0.03	0.88	ppb	60.01	0.01	1	
Ag	107	115	2	0.19	24.33	ppb	853.44	23.71	1	
Cd	111	115	2	0.01	849.92	ppb	33.34	91.66	1	
Sn	120	115	2	0.09	42.15	ppb	260.02	13.32	5	
Sb	121	115	2	0.03	179.05	ppb	86.68	35.25	0.2	
Ba	137	115	2	-0.12	0.00	ppb	0.00	#DIV/0!	1	
W	182	165	2	0.09	12.58	ppb	1280.18	5.63	1	
Pt	195	165	2	0.02	154.54	ppb	140.02	93.68	1	
Tl	205	165	2	0.03	26.30	ppb	360.04	16.67	1	
Pb	208	165	2	0.01	46.19	ppb	1200.13	6.01	1	
Th	232	165	2	0.27	2.00	ppb	3247.38	2.16	1	
U	238	165	2	0.03	31.21	ppb	413.38	26.65	1	

QC ISTD Table

Element	m/z	Tune Step	CPS	%RSD	Ref CPS	%Rec	QC Low	QC High	QC Flag
Li6	6	1	1008269	1.27	1785568	56.5	60	125	IS Main Failed
Sc (IS)	45	2	651329	0.97	1044004	62.4	60	125	
Ge (IS)	72	1	14579106	0.82	25160288	57.9	60	125	IS Main Failed
Ge (IS)	72	2	963843	0.68	1449538	66.5	60	125	
115In	115	2	3021234	0.88	4071130	74.2	60	125	
Ho-165	165	2	20656291	0.44	25018358	82.6	60	125	

TuneStep	TuneFile
1	h2_hmi.u
2	he_hmi.u

Sample Report

Sample Name	MB 280-117691/1-A
Data File Name	164SMPL.D
DataPath	d:\DATA\050212.B
Acq Date Time	2012-05-02T19:43:28-06:00
Type	Sample
VialNumber	3205
Dilution	1
Comment	17691 6020
Operator	LMT
ISTDRefDataFileName	121CALB.D
SamplePassFail	Fail
ISTD PassFail	Pass

QC Analyte Table

Element	m/z	ISTD	Tune Step	Meas Value	FinalConc	%RSD	Units	CPS	CPS%RSD	High Value	QC Flag
Be	9	6	1	-0.01	-0.01	0.00	ppb	0.00	#DIV/0!	3600	
Na	23	45	2	-89.58	-89.58	-2.58	ppb	4607.60	7.30	1800000	
Mg	24	45	2	-1.14	-1.14	-104.64	ppb	113.35	66.81	450000	
Al	27	45	2	-0.24	-0.24	-401.64	ppb	13.33	86.60	450000	
K	39	45	2	-11.36	-11.36	-77.14	ppb	833.42	27.82	180000	
Ca	44	45	2	1.64	1.64	1264.21	ppb	26.67	114.57	450000	
V	51	72	2	-0.03	-0.03	-621.57	ppb	20.41	756.00	3600	
Cr	52	72	2	-0.02	-0.02	-448.27	ppb	93.34	96.63	3600	
Mn	55	72	2	0.17	0.17	18.06	ppb	126.68	9.12	3600	
Fe	57	72	2	4.36	4.36	1.52	ppb	200.02	0.00	90000	
Co	59	72	2	0.01	0.01	173.21	ppb	13.33	173.21	3600	
Ni	60	72	2	0.06	0.06	101.70	ppb	166.68	30.20	3600	
Cu	63	72	2	0.00	0.00	2266.74	ppb	1273.49	13.72	3600	
Zn	66	72	2	-0.36	-0.36	-51.57	ppb	120.01	33.33	3600	
As	75	72	2	0.19	0.19	100.49	ppb	20.00	100.00	3600	
Se	78	72	1	0.02	0.02	23.25	ppb	18.67	12.37	3600	
Nb	93	72	2	0.36	0.36	29.15	ppb	1266.82	24.98	7200	
Mo	95	115	2	0.06	0.06	32.10	ppb	80.01	25.00	3600	
Pd	105	115	2	0.00	0.00	#DIV/0!	ppb	0.00	#DIV/0!	3600	
Ag	107	115	2	0.06	0.06	29.40	ppb	293.36	27.55	900	
Cd	111	115	2	0.10	0.10	94.46	ppb	73.34	56.77	3600	
Sn	120	115	2	0.01	0.01	723.74	ppb	186.69	50.63	3600	
Sb	121	115	2	-0.05	-0.05	-1.23	ppb	40.00	0.00	3600	
Ba	137	115	2	-0.12	-0.12	0.00	ppb	0.00	#DIV/0!	3600	
W	182	165	2	0.01	0.01	137.50	ppb	820.10	12.20	3600	
Pt	195	165	2	0.00	0.00	-53.57	ppb	33.33	34.64	3600	
Tl	205	165	2	0.01	0.01	118.96	ppb	220.03	50.62	3600	
Pb	208	165	2	-0.01	-0.01	-284.24	ppb	973.44	20.69	3600	
Th	232	165	2	0.28	0.28	21.71	ppb	3347.35	19.86	3600	
U	238	165	2	0.00	0.00	395.07	ppb	73.34	68.64	3600	

QC ISTD Table

Element	m/z	Tune Step	CPS	%RSD	Ref CPS	%Rec	Lower Limit	Upper Limit	QC Flag
Li6	6	1	919178	1.02	1785568	51.5	60	125	IS Main Failed
Sc (IS)	45	2	634876	0.59	1044004	60.8	60	125	
Ge (IS)	72	1	13405519	1.13	25160288	53.3	60	125	IS Main Failed
Ge (IS)	72	2	946898	0.82	1449538	65.3	60	125	
115In	115	2	3023571	0.91	4071130	74.3	60	125	
Ho-165	165	2	20623956	0.10	25018358	82.4	60	125	

TuneStep	TuneFile	TuneDate
1	h2_hmi.u	5/2/2012 7:42:00 PM
2	he_hmi.u	5/2/2012 7:42:00 PM

Sample Report

Sample Name	LCS 280-117691/2-A
Data File Name	165SMPL.D
DataPath	d:\DATA\050212.B
Acq Date Time	2012-05-02T19:46:27-06:00
Type	Sample
VialNumber	3206
Dilution	1
Comment	17691 6020
Operator	LMT
ISTDRefDataFileName	121CALB.D
SamplePassFail	Fail
ISTD PassFail	Pass

QC Analyte Table

Element	m/z	ISTD	Tune Step	Meas Value	FinalConc	%RSD	Units	CPS	CPS %RSD	High Value	QC Flag
Be	9	6	1	37.10	37.10	3.35	ppb	9337.43	2.99	3600	
Na	23	45	2	-88.95	-88.95	-1.77	ppb	4647.65	5.10	1800000	
Mg	24	45	2	0.46	0.46	257.30	ppb	213.35	35.49	450000	
Al	27	45	2	0.35	0.35	498.21	ppb	20.00	100.00	450000	
K	39	45	2	-4.73	-4.73	-196.51	ppb	1000.12	24.98	180000	
Ca	44	45	2	6.28	6.28	450.79	ppb	33.34	124.90	450000	
V	51	72	2	37.84	37.84	6.61	ppb	32491.19	6.72	3600	
Cr	52	72	2	38.23	38.23	2.99	ppb	47959.48	2.50	3600	
Mn	55	72	2	40.69	40.69	3.46	ppb	16475.42	3.37	3600	
Fe	57	72	2	1.78	1.78	69.85	ppb	133.35	22.91	90000	
Co	59	72	2	39.70	39.70	0.92	ppb	102820.29	0.66	3600	
Ni	60	72	2	39.00	39.00	3.10	ppb	29466.08	3.50	3600	
Cu	63	72	2	41.01	41.01	1.63	ppb	92104.40	1.25	3600	
Zn	66	72	2	34.88	34.88	3.24	ppb	7422.15	2.70	3600	
As	75	72	2	39.37	39.37	4.07	ppb	4023.97	4.39	3600	
Se	78	72	1	34.90	34.90	1.21	ppb	15293.34	0.69	3600	
Nb	93	72	2	0.24	0.24	19.35	ppb	893.44	15.24	7200	
Mo	95	115	2	36.09	36.09	0.95	ppb	36152.88	0.50	3600	
Pd	105	115	2	0.01	0.01	99.99	ppb	20.00	100.00	3600	
Ag	107	115	2	39.25	39.25	1.27	ppb	169887.95	1.67	900	
Cd	111	115	2	36.98	36.98	4.20	ppb	15334.59	4.00	3600	
Sn	120	115	2	39.24	39.24	1.48	ppb	37122.47	1.89	3600	
Sb	121	115	2	39.69	39.69	4.74	ppb	23925.02	4.21	3600	
Ba	137	115	2	42.39	42.39	8.28	ppb	8889.74	7.87	3600	
W	182	165	2	0.03	0.03	98.38	ppb	933.46	19.21	3600	
Pt	195	165	2	0.00	0.00	635.25	ppb	60.00	57.74	3600	
Tl	205	165	2	42.96	42.96	1.15	ppb	391166.45	0.51	3600	
Pb	208	165	2	43.52	43.52	0.64	ppb	498370.95	0.18	3600	
Th	232	165	2	42.86	42.86	0.86	ppb	462633.42	0.31	3600	
U	238	165	2	45.60	45.60	1.10	ppb	611261.84	0.44	3600	

QC ISTD Table

Element	m/z	Tune Step	CPS	%RSD	Ref CPS	%Rec	Lower Limit	Upper Limit	QC Flag
Li6	6	1	912213	0.36	1785568	51.1	60	125	IS Main Failed
Sc (IS)	45	2	626732	0.42	1044004	60.0	60	125	
Ge (IS)	72	1	13193782	0.55	25160288	52.4	60	125	IS Main Failed
Ge (IS)	72	2	932096	0.49	1449538	64.3	60	125	
115In	115	2	3018599	0.54	4071130	74.1	60	125	
Ho-165	165	2	20523956	0.77	25018358	82.0	60	125	

TuneStep	TuneFile	TuneDate
1	h2_hmi.u	5/2/2012 7:45:00 PM
2	he_hmi.u	5/2/2012 7:45:00 PM

Sample Report

Sample Name	280-28194-A-9-D
Data File Name	166SMPL.D
DataPath	d:\DATA\050212.B
Acq Date Time	2012-05-02T19:49:25-06:00
Type	Sample
VialNumber	3207
Dilution	1
Comment	17691 6020
Operator	LMT
ISTDRefDataFileName	121CALB.D
SamplePassFail	Fail
ISTD PassFail	Pass

QC Analyte Table

Element	m/z	ISTD	Tune Step	Meas Value	FinalConc	%RSD	Units	CPS	CPS %RSD	High Value	QC Flag
Be	9	6	1	0.26	0.26	31.51	ppb	66.67	30.31	3600	
Na	23	45	2	10571.98	10571.98	1.68	ppb	1654501.23	1.47	1800000	
Mg	24	45	2	1046.24	1046.24	0.98	ppb	66006.46	1.63	450000	
Al	27	45	2	179.56	179.56	12.01	ppb	2106.98	12.96	450000	
K	39	45	2	1358.58	1358.58	4.17	ppb	37140.08	3.33	180000	
Ca	44	45	2	1480.27	1480.27	23.85	ppb	2187.01	23.16	450000	
V	51	72	2	1.18	1.18	17.49	ppb	1047.16	17.15	3600	
Cr	52	72	2	0.69	0.69	6.73	ppb	960.13	5.51	3600	
Mn	55	72	2	5.42	5.42	7.70	ppb	2220.38	7.38	3600	
Fe	57	72	2	595.41	595.41	7.46	ppb	14627.66	7.83	90000	
Co	59	72	2	0.38	0.38	23.34	ppb	980.11	23.18	3600	
Ni	60	72	2	0.79	0.79	9.83	ppb	706.74	8.65	3600	
Cu	63	72	2	0.54	0.54	11.17	ppb	2427.02	5.85	3600	
Zn	66	72	2	0.82	0.82	50.95	ppb	360.03	24.22	3600	
As	75	72	2	6.09	6.09	17.75	ppb	616.71	17.86	3600	
Se	78	72	1	0.44	0.44	10.22	ppb	200.00	10.58	3600	
Nb	93	72	2	0.09	0.09	60.97	ppb	473.37	34.15	7200	
Mo	95	115	2	0.09	0.09	44.89	ppb	113.35	36.74	3600	
Pd	105	115	2	0.01	0.01	100.12	ppb	20.00	100.00	3600	
Ag	107	115	2	0.03	0.03	36.65	ppb	153.34	30.12	900	
Cd	111	115	2	0.06	0.06	253.68	ppb	53.34	114.57	3600	
Sn	120	115	2	0.12	0.12	94.63	ppb	286.69	38.43	3600	
Sb	121	115	2	0.02	0.02	460.14	ppb	80.00	66.15	3600	
Ba	137	115	2	47.61	47.61	4.44	ppb	9870.39	4.49	3600	
W	182	165	2	0.04	0.04	32.00	ppb	993.45	8.14	3600	
Pt	195	165	2	0.00	0.00	-409.91	ppb	46.67	65.47	3600	
Tl	205	165	2	0.14	0.14	2.66	ppb	1360.19	2.55	3600	
Pb	208	165	2	0.64	0.64	1.28	ppb	8314.95	0.97	3600	
Th	232	165	2	1.91	1.91	11.20	ppb	20661.89	10.92	3600	
U	238	165	2	0.11	0.11	8.67	ppb	1546.89	8.31	3600	

QC ISTD Table

Element	m/z	Tune Step	CPS	%RSD	Ref CPS	%Rec	Lower Limit	Upper Limit	QC Flag
Li6	6	1	893318	0.45	1785568	50.0	60	125	IS Main Failed
Sc (IS)	45	2	625894	0.99	1044004	60.0	60	125	IS Main Failed
Ge (IS)	72	1	12981020	0.87	25160288	51.6	60	125	IS Main Failed
Ge (IS)	72	2	923365	0.44	1449538	63.7	60	125	
115In	115	2	2984354	0.92	4071130	73.3	60	125	
Ho-165	165	2	20329989	0.15	25018358	81.3	60	125	

TuneStep	TuneFile	TuneDate
1	h2_hmi.u	5/2/2012 7:48:00 PM
2	he_hmi.u	5/2/2012 7:48:00 PM

Sample Report

Sample Name	280-28194-A-10-C
Data File Name	167SMPL.D
DataPath	d:\DATA\050212.B
Acq Date Time	2012-05-02T19:52:24-06:00
Type	Sample
VialNumber	3208
Dilution	1
Comment	17691 6020
Operator	LMT
ISTDRefDataFileName	121CALB.D
SamplePassFail	Fail
ISTD PassFail	Pass

QC Analyte Table

Element	m/z	ISTD	Tune Step	Meas Value	FinalConc	%RSD	Units	CPS	CPS %RSD	High Value	QC Flag
Be	9	6	1	0.59	0.59	37.37	ppb	143.34	34.94	3600	
Na	23	45	2	6595.56	6595.56	0.88	ppb	1032873.29	0.31	1800000	
Mg	24	45	2	1321.51	1321.51	2.79	ppb	82813.78	2.42	450000	
Al	27	45	2	3309.23	3309.23	4.51	ppb	38281.89	3.82	450000	
K	39	45	2	1171.40	1171.40	0.66	ppb	31989.74	0.33	180000	
Ca	44	45	2	3167.29	3167.29	5.07	ppb	4627.67	5.71	450000	
V	51	72	2	6.04	6.04	13.53	ppb	5121.83	13.06	3600	
Cr	52	72	2	3.15	3.15	11.20	ppb	3980.77	11.02	3600	
Mn	55	72	2	46.77	46.77	1.96	ppb	18564.08	1.64	3600	
Fe	57	72	2	3627.90	3627.90	2.10	ppb	87767.58	1.53	90000	
Co	59	72	2	1.63	1.63	3.00	ppb	4127.57	2.67	3600	
Ni	60	72	2	2.71	2.71	13.25	ppb	2113.66	13.13	3600	
Cu	63	72	2	3.51	3.51	3.21	ppb	8849.50	2.49	3600	
Zn	66	72	2	22.98	22.98	6.86	ppb	4861.06	6.87	3600	
As	75	72	2	5.29	5.29	11.07	ppb	530.03	10.51	3600	
Se	78	72	1	0.10	0.10	19.42	ppb	53.33	15.61	3600	
Nb	93	72	2	0.12	0.12	12.17	ppb	553.40	7.53	7200	
Mo	95	115	2	0.18	0.18	57.19	ppb	193.35	52.07	3600	
Pd	105	115	2	0.02	0.02	34.43	ppb	33.33	34.64	3600	
Ag	107	115	2	0.04	0.04	31.35	ppb	206.69	27.93	900	
Cd	111	115	2	0.11	0.11	113.64	ppb	73.34	68.64	3600	
Sn	120	115	2	0.05	0.05	211.76	ppb	213.35	43.30	3600	
Sb	121	115	2	0.02	0.02	294.09	ppb	80.01	43.30	3600	
Ba	137	115	2	74.10	74.10	2.27	ppb	15274.73	2.72	3600	
W	182	165	2	0.04	0.04	97.41	ppb	953.46	22.24	3600	
Pt	195	165	2	0.00	0.00	-11742.65	ppb	53.34	114.57	3600	
Tl	205	165	2	0.15	0.15	37.71	ppb	1433.54	34.87	3600	
Pb	208	165	2	7.63	7.63	2.01	ppb	86900.03	1.51	3600	
Th	232	165	2	5.05	5.05	1.12	ppb	53888.42	0.66	3600	
U	238	165	2	0.85	0.85	2.79	ppb	11225.01	3.14	3600	

QC ISTD Table

Element	m/z	Tune Step	CPS	%RSD	Ref CPS	%Rec	Lower Limit	Upper Limit	QC Flag
Li6	6	1	875634	2.52	1785568	49.0	60	125	IS Main Failed
Sc (IS)	45	2	622123	0.68	1044004	59.6	60	125	IS Main Failed
Ge (IS)	72	1	12952836	0.86	25160288	51.5	60	125	IS Main Failed
Ge (IS)	72	2	914166	0.58	1449538	63.1	60	125	
115In	115	2	2969473	0.67	4071130	72.9	60	125	
Ho-165	165	2	20208848	0.51	25018358	80.8	60	125	

TuneStep	TuneFile	TuneDate
1	h2_hmi.u	5/2/2012 7:51:00 PM
2	he_hmi.u	5/2/2012 7:51:00 PM

Sample Report

Sample Name	280-28194-A-10-C sd@5
Data File Name	168SMPL.D
DataPath	d:\DATA\050212.B
Acq Date Time	2012-05-02T19:55:23-06:00
Type	Sample
VialNumber	3209
Dilution	1
Comment	17691 6020
Operator	LMT
ISTDRefDataFileName	121CALB.D
SamplePassFail	Fail
ISTD PassFail	Pass

QC Analyte Table

Element	m/z	ISTD	Tune Step	Meas Value	FinalConc	%RSD	Units	CPS	CPS %RSD	High Value	QC Flag
Be	9	6	1	0.11	0.11	29.53	ppb	28.33	26.96	3600	
Na	23	45	2	1276.37	1276.37	1.28	ppb	216501.58	1.50	1800000	
Mg	24	45	2	265.46	265.46	5.24	ppb	16929.15	5.44	450000	
Al	27	45	2	643.34	643.34	5.76	ppb	7522.06	6.13	450000	
K	39	45	2	239.84	239.84	1.41	ppb	7502.18	1.22	180000	
Ca	44	45	2	720.36	720.36	9.72	ppb	1080.14	9.80	450000	
V	51	72	2	1.15	1.15	10.83	ppb	1028.24	10.49	3600	
Cr	52	72	2	0.73	0.73	37.52	ppb	1020.13	33.51	3600	
Mn	55	72	2	9.89	9.89	6.71	ppb	4047.47	6.58	3600	
Fe	57	72	2	704.69	704.69	3.36	ppb	17456.69	3.22	90000	
Co	59	72	2	0.33	0.33	31.08	ppb	853.42	30.95	3600	
Ni	60	72	2	0.40	0.40	53.91	ppb	420.04	38.98	3600	
Cu	63	72	2	0.57	0.57	14.61	ppb	2500.38	7.33	3600	
Zn	66	72	2	4.28	4.28	23.48	ppb	1080.11	19.25	3600	
As	75	72	2	1.08	1.08	18.09	ppb	110.01	18.19	3600	
Se	78	72	1	-0.01	-0.01	-306.76	ppb	6.67	124.90	3600	
Nb	93	72	2	0.02	0.02	89.69	ppb	253.36	16.43	7200	
Mo	95	115	2	0.03	0.03	222.72	ppb	53.34	141.97	3600	
Pd	105	115	2	0.02	0.02	107.97	ppb	46.67	107.86	3600	
Ag	107	115	2	0.02	0.02	32.56	ppb	93.34	24.74	900	
Cd	111	115	2	0.01	0.01	745.03	ppb	33.34	91.66	3600	
Sn	120	115	2	0.03	0.03	133.32	ppb	193.36	15.80	3600	
Sb	121	115	2	-0.02	-0.02	-349.33	ppb	53.34	94.37	3600	
Ba	137	115	2	16.42	16.42	5.68	ppb	3393.99	5.08	3600	
W	182	165	2	0.01	0.01	18.28	ppb	820.10	2.44	3600	
Pt	195	165	2	0.00	0.00	-3216.73	ppb	53.34	43.31	3600	
Tl	205	165	2	0.03	0.03	9.58	ppb	360.04	5.55	3600	
Pb	208	165	2	1.58	1.58	5.05	ppb	18926.24	4.12	3600	
Th	232	165	2	0.97	0.97	4.22	ppb	10591.41	4.82	3600	
U	238	165	2	0.17	0.17	1.97	ppb	2333.74	2.62	3600	

QC ISTD Table

Element	m/z	Tune Step	CPS	%RSD	Ref CPS	%Rec	Lower Limit	Upper Limit	QC Flag
Li6	6	1	905846	1.54	1785568	50.7	60	125	IS Main Failed
Sc (IS)	45	2	627492	0.51	1044004	60.1	60	125	
Ge (IS)	72	1	13551080	1.18	25160288	53.9	60	125	IS Main Failed
Ge (IS)	72	2	932159	0.13	1449538	64.3	60	125	
115In	115	2	2962062	0.62	4071130	72.8	60	125	
Ho-165	165	2	20337426	0.79	25018358	81.3	60	125	

TuneStep	TuneFile	TuneDate
1	h2_hmi.u	5/2/2012 7:54:00 PM
2	he_hmi.u	5/2/2012 7:54:00 PM

Continuing Calibration Verification (CCV) - US EPA Method 6020

Sample Name	ccv-1394868
Data File Name	1696CCV.D
DataPath	d:\DATA\050212.B
Acq Date Time	2012-05-02T19:58:21-06:00
Type	6-CCV
VialNumber	1106
Dilution	1
Comment	
Operator	LMT
ISTDRefDataFileName	121CALB.D
SamplePassFail	Fail
ISTD PassFail	Pass

QC Analyte Table

Element	m/z	ISTD	Tune Step	Meas Value	%RSD	Units	CPS	CPS%RSD	Exp Value	%Rec	QC Low	QC High	QC Flag
Be	9	6	1	51.63	4.08	ppb	13001.26	2.33	50	103.3	90	110	
Na	23	45	2	4802.55	0.41	ppb	757105.09	0.95	5000	96.1	90	110	
Mg	24	45	2	4921.05	0.47	ppb	307914.58	0.86	5000	98.4	90	110	
Al	27	45	2	4939.69	1.86	ppb	57144.25	1.40	5000	98.8	90	110	
K	39	45	2	4857.27	2.64	ppb	129127.05	2.17	5000	97.1	90	110	
Ca	44	45	2	5234.67	7.79	ppb	7628.89	7.19	5000	104.7	90	110	
V	51	72	2	47.11	2.11	ppb	40197.50	1.64	50	94.2	90	110	
Cr	52	72	2	46.59	3.31	ppb	58096.01	2.70	50	93.2	90	110	
Mn	55	72	2	48.36	3.44	ppb	19458.46	3.51	50	96.7	90	110	
Fe	57	72	2	4956.24	2.31	ppb	121520.50	1.58	5000	99.1	90	110	
Co	59	72	2	49.18	2.98	ppb	126622.46	2.44	50	98.4	90	110	
Ni	60	72	2	48.89	3.32	ppb	36693.41	3.23	50	97.8	90	110	
Cu	63	72	2	49.98	1.43	ppb	111318.38	0.69	50	100.0	90	110	
Zn	66	72	2	51.59	1.74	ppb	10824.17	1.11	50	103.2	90	110	
As	75	72	2	51.58	4.67	ppb	5241.01	3.94	50	103.2	90	110	
Se	78	72	1	48.74	3.40	ppb	21718.63	2.38	50	97.5	90	110	
Nb	93	72	2	103.17	1.34	ppb	295750.10	0.72	100	103.2	90	110	
Mo	95	115	2	46.77	2.35	ppb	45983.85	2.29	50	93.5	90	110	
Pd	105	115	2	48.62	2.58	ppb	92400.45	2.61	50	97.2	90	110	
Ag	107	115	2	48.38	0.64	ppb	205581.46	0.39	50	96.8	90	110	
Cd	111	115	2	50.15	3.84	ppb	20407.21	4.19	50	100.3	90	110	
Sn	120	115	2	48.83	4.07	ppb	45302.92	4.34	50	97.7	90	110	
Sb	121	115	2	51.91	3.98	ppb	30703.22	3.97	50	103.8	90	110	
Ba	137	115	2	51.16	9.93	ppb	10530.90	10.10	50	102.3	90	110	
W	182	165	2	50.99	1.78	ppb	302770.98	0.84	50	102.0	90	110	
Pt	195	165	2	50.49	2.24	ppb	270731.76	1.72	50	101.0	90	110	
Tl	205	165	2	53.40	0.34	ppb	476715.81	1.41	50	106.8	90	110	
Pb	208	165	2	53.91	1.04	ppb	604977.99	0.54	50	107.8	90	110	
Th	232	165	2	56.69	2.05	ppb	599749.28	1.50	50	113.4	90	110	6-CCV Main Failed
U	238	165	2	55.81	1.35	ppb	733485.87	1.35	50	111.6	90	110	6-CCV Main Failed

QC ISTD Table

Element	m/z	Tune Step	CPS	%RSD	Ref CPS	%Rec	QC Low	QC High	QC Flag
Li6	6	1	913005	2.03	1785568	51.1	60	125	IS Main Failed
Sc (IS)	45	2	622128	0.55	1044004	59.6	60	125	IS Main Failed
Ge (IS)	72	1	13418826	1.02	25160288	53.3	60	125	IS Main Failed
Ge (IS)	72	2	926777	0.74	1449538	63.9	60	125	
115In	115	2	2963183	0.36	4071130	72.8	60	125	
Ho-165	165	2	20120252	1.08	25018358	80.4	60	125	

TuneStep	TuneFile
1	h2_hmi.u
2	he_hmi.u

Continuing Calibration Blank (CCB) - US EPA Method 6020

Sample Name	ccb-1394903
Data File Name	1706CCB.D
DataPath	d:\DATA\050212.B
Acq Date Time	2012-05-02T20:01:19-06:00
Type	6-CCB
VialNumber	1306
Dilution	1
Comment	
Operator	LMT
ISTDRefDataFileName	121CALB.D
SamplePassFail	Fail
ISTD PassFail	Pass

QC Analyte Table

Element	m/z	ISTD	Tune Step	Meas Value	%RSD	Units	CPS	CPS %RSD	QC High	QC Flag
Be	9	6	1	0.03	116.86	ppb	8.33	91.65	1	
Na	23	45	2	-87.31	-0.98	ppb	4834.38	2.35	20	
Mg	24	45	2	-1.42	-34.67	ppb	93.34	32.73	20	
Al	27	45	2	-1.37	0.00	ppb	0.00	#DIV/0!	20	
K	39	45	2	-9.54	-25.70	ppb	860.08	8.39	20	
Ca	44	45	2	2.01	794.12	ppb	26.67	86.60	20	
V	51	72	2	-0.09	-129.19	ppb	-29.79	-317.26	1	
Cr	52	72	2	-0.01	-208.20	ppb	100.01	20.00	1	
Mn	55	72	2	-0.02	-268.23	ppb	46.67	49.49	1	
Fe	57	72	2	0.75	66.95	ppb	106.68	10.82	20	
Co	59	72	2	0.01	173.21	ppb	20.00	173.21	1	
Ni	60	72	2	0.02	87.27	ppb	126.68	9.12	1	
Cu	63	72	2	-0.02	-194.07	ppb	1180.14	8.97	1	
Zn	66	72	2	-0.31	-46.38	ppb	126.68	24.12	5	
As	75	72	2	0.10	100.25	ppb	10.00	100.00	5	
Se	78	72	1	0.05	103.52	ppb	30.67	71.84	5	
Nb	93	72	2	1.15	17.03	ppb	3473.96	16.43	5	
Mo	95	115	2	0.05	64.38	ppb	66.67	45.83	1	
Pd	105	115	2	0.01	43.15	ppb	26.67	43.30	1	
Ag	107	115	2	0.03	62.18	ppb	140.02	51.51	1	
Cd	111	115	2	0.13	207.96	ppb	80.01	132.29	1	
Sn	120	115	2	0.18	57.74	ppb	333.36	28.35	5	
Sb	121	115	2	0.17	153.09	ppb	166.69	90.86	0.2	
Ba	137	115	2	-0.09	-65.72	ppb	6.67	173.21	1	
W	182	165	2	0.07	37.29	ppb	1140.15	13.25	1	
Pt	195	165	2	0.00	595.50	ppb	66.67	121.25	1	
Tl	205	165	2	0.02	38.83	ppb	280.03	21.43	1	
Pb	208	165	2	0.02	70.33	ppb	1220.14	11.82	1	
Th	232	165	2	0.33	11.82	ppb	3667.48	11.21	1	
U	238	165	2	0.03	14.35	ppb	406.71	12.38	1	

QC ISTD Table

Element	m/z	Tune Step	CPS	%RSD	Ref CPS	%Rec	QC Low	QC High	QC Flag
Li6	6	1	942824	1.37	1785568	52.8	60	125	IS Main Failed
Sc (IS)	45	2	618057	0.94	1044004	59.2	60	125	IS Main Failed
Ge (IS)	72	1	13512536	0.26	25160288	53.7	60	125	IS Main Failed
Ge (IS)	72	2	920667	0.70	1449538	63.5	60	125	
115In	115	2	2954173	0.13	4071130	72.6	60	125	
Ho-165	165	2	19912086	0.54	25018358	79.6	60	125	

TuneStep	TuneFile
1	h2_hmi.u
2	he_hmi.u

Sample Report

Sample Name	280-28194-A-10-D MS
Data File Name	171SMPL.D
DataPath	d:\DATA\050212.B
Acq Date Time	2012-05-02T20:04:18-06:00
Type	Sample
VialNumber	3210
Dilution	1
Comment	17691 6020
Operator	LMT
ISTDRefDataFileName	121CALB.D
SamplePassFail	Fail
ISTD PassFail	Pass

QC Analyte Table

Element	m/z	ISTD	Tune Step	Meas Value	FinalConc	%RSD	Units	CPS	CPS %RSD	High Value	QC Flag
Be	9	6	1	41.27	41.27	5.16	ppb	9609.26	5.06	3600	
Na	23	45	2	6612.18	6612.18	1.02	ppb	1012833.16	0.26	1800000	
Mg	24	45	2	1327.22	1327.22	1.61	ppb	81360.44	1.46	450000	
Al	27	45	2	3476.22	3476.22	2.45	ppb	39337.47	1.33	450000	
K	39	45	2	1195.57	1195.57	2.80	ppb	31916.64	2.92	180000	
Ca	44	45	2	3504.89	3504.89	5.75	ppb	5007.80	6.81	450000	
V	51	72	2	45.44	45.44	4.64	ppb	37047.45	4.63	3600	
Cr	52	72	2	42.14	42.14	2.49	ppb	50198.71	1.97	3600	
Mn	55	72	2	87.65	87.65	6.43	ppb	33652.98	6.81	3600	
Fe	57	72	2	3631.50	3631.50	1.45	ppb	85089.49	1.94	90000	
Co	59	72	2	40.77	40.77	2.20	ppb	100279.62	1.76	3600	
Ni	60	72	2	42.94	42.94	2.23	ppb	30801.63	2.57	3600	
Cu	63	72	2	43.52	43.52	1.46	ppb	92760.66	1.98	3600	
Zn	66	72	2	48.66	48.66	3.16	ppb	9763.39	2.91	3600	
As	75	72	2	44.14	44.14	6.11	ppb	4284.04	5.62	3600	
Se	78	72	1	32.04	32.04	4.81	ppb	13275.79	4.77	3600	
Nb	93	72	2	0.52	0.52	22.30	ppb	1626.90	19.06	7200	
Mo	95	115	2	34.77	34.77	1.48	ppb	33267.13	1.57	3600	
Pd	105	115	2	0.01	0.01	86.60	ppb	13.33	86.60	3600	
Ag	107	115	2	37.74	37.74	1.32	ppb	156045.34	1.27	900	
Cd	111	115	2	37.01	37.01	4.08	ppb	14660.82	4.10	3600	
Sn	120	115	2	7.43	7.43	5.19	ppb	6848.64	5.04	3600	
Sb	121	115	2	22.09	22.09	8.35	ppb	12752.53	8.21	3600	
Ba	137	115	2	119.12	119.12	2.63	ppb	23825.20	2.66	3600	
W	182	165	2	0.07	0.07	15.70	ppb	1160.16	5.97	3600	
Pt	195	165	2	0.00	0.00	-407.25	ppb	40.00	132.29	3600	
Tl	205	165	2	42.37	42.37	0.50	ppb	376328.81	0.95	3600	
Pb	208	165	2	51.04	51.04	1.29	ppb	569876.96	0.75	3600	
Th	232	165	2	47.87	47.87	0.72	ppb	504000.10	1.18	3600	
U	238	165	2	46.46	46.46	1.09	ppb	607525.85	0.53	3600	

QC ISTD Table

Element	m/z	Tune Step	CPS	%RSD	Ref CPS	%Rec	Lower Limit	Upper Limit	QC Flag
Li6	6	1	843741	0.55	1785568	47.3	60	125	IS Main Failed
Sc (IS)	45	2	608567	1.12	1044004	58.3	60	125	IS Main Failed
Ge (IS)	72	1	12472161	0.41	25160288	49.6	60	125	IS Main Failed
Ge (IS)	72	2	885284	0.55	1449538	61.1	60	125	
115In	115	2	2883324	0.09	4071130	70.8	60	125	
Ho-165	165	2	20018292	0.57	25018358	80.0	60	125	

TuneStep	TuneFile	TuneDate
1	h2_hmi.u	5/2/2012 8:02:00 PM
2	he_hmi.u	5/2/2012 8:03:00 PM

Sample Report

Sample Name	280-28194-A-10-E MSD
Data File Name	172SMPL.D
DataPath	d:\DATA\050212.B
Acq Date Time	2012-05-02T20:07:18-06:00
Type	Sample
VialNumber	3211
Dilution	1
Comment	17691 6020
Operator	LMT
ISTDRefDataFileName	121CALB.D
SamplePassFail	Fail
ISTD PassFail	Pass

QC Analyte Table

Element	m/z	ISTD	Tune Step	Meas Value	FinalConc	%RSD	Units	CPS	CPS %RSD	High Value	QC Flag
Be	9	6	1	38.78	38.78	1.78	ppb	9240.73	0.48	3600	
Na	23	45	2	6631.88	6631.88	2.60	ppb	1013149.31	1.28	1800000	
Mg	24	45	2	1308.94	1308.94	4.11	ppb	80040.99	3.90	450000	
Al	27	45	2	3325.50	3325.50	4.27	ppb	37540.51	3.84	450000	
K	39	45	2	1145.50	1145.50	3.41	ppb	30540.70	1.77	180000	
Ca	44	45	2	2892.68	2892.68	14.14	ppb	4120.89	12.84	450000	
V	51	72	2	43.47	43.47	3.28	ppb	35873.49	2.07	3600	
Cr	52	72	2	41.50	41.50	6.29	ppb	50024.92	4.70	3600	
Mn	55	72	2	84.86	84.86	7.37	ppb	32959.07	5.90	3600	
Fe	57	72	2	3468.35	3468.35	3.10	ppb	82256.04	2.12	90000	
Co	59	72	2	38.75	38.75	1.64	ppb	96499.17	1.31	3600	
Ni	60	72	2	40.69	40.69	3.87	ppb	29539.89	2.86	3600	
Cu	63	72	2	42.03	42.03	3.06	ppb	90696.98	1.51	3600	
Zn	66	72	2	45.75	45.75	6.37	ppb	9303.19	6.13	3600	
As	75	72	2	42.85	42.85	8.34	ppb	4207.38	6.68	3600	
Se	78	72	1	32.46	32.46	4.82	ppb	13470.56	3.41	3600	
Nb	93	72	2	0.25	0.25	11.85	ppb	900.11	8.01	7200	
Mo	95	115	2	34.00	34.00	3.87	ppb	33320.45	3.92	3600	
Pd	105	115	2	0.03	0.03	99.72	ppb	60.01	100.00	3600	
Ag	107	115	2	36.57	36.57	0.66	ppb	154871.79	1.04	900	
Cd	111	115	2	34.97	34.97	4.17	ppb	14186.97	3.52	3600	
Sn	120	115	2	7.42	7.42	4.73	ppb	7008.65	5.43	3600	
Sb	121	115	2	22.63	22.63	8.18	ppb	13373.05	7.33	3600	
Ba	137	115	2	109.35	109.35	5.62	ppb	22396.47	5.00	3600	
W	182	165	2	0.04	0.04	73.69	ppb	993.45	19.76	3600	
Pt	195	165	2	0.00	0.00	175.85	ppb	66.67	34.65	3600	
Tl	205	165	2	41.61	41.61	1.37	ppb	371070.32	0.30	3600	
Pb	208	165	2	49.88	49.88	2.67	ppb	559198.13	1.47	3600	
Th	232	165	2	47.69	47.69	3.00	ppb	504008.27	1.84	3600	
U	238	165	2	44.97	44.97	2.67	ppb	590322.97	1.70	3600	

QC ISTD Table

Element	m/z	Tune Step	CPS	%RSD	Ref CPS	%Rec	Lower Limit	Upper Limit	QC Flag
Li6	6	1	863667	2.18	1785568	48.4	60	125	IS Main Failed
Sc (IS)	45	2	607082	1.53	1044004	58.1	60	125	IS Main Failed
Ge (IS)	72	1	12499760	2.01	25160288	49.7	60	125	IS Main Failed
Ge (IS)	72	2	896289	1.59	1449538	61.8	60	125	
115In	115	2	2953092	0.82	4071130	72.5	60	125	
Ho-165	165	2	20101940	1.24	25018358	80.3	60	125	

TuneStep	TuneFile	TuneDate
1	h2_hmi.u	5/2/2012 8:05:00 PM
2	he_hmi.u	5/2/2012 8:06:00 PM

Sample Report

Sample Name	280-28194-A-10-C pds
Data File Name	173SMPL.D
DataPath	d:\DATA\050212.B
Acq Date Time	2012-05-02T20:10:18-06:00
Type	Sample
VialNumber	3212
Dilution	1
Comment	17691 6020
Operator	LMT
ISTDRefDataFileName	121CALB.D
SamplePassFail	Fail
ISTD PassFail	Pass

QC Analyte Table

Element	m/z	ISTD	Tune Step	Meas Value	FinalConc	%RSD	Units	CPS	CPS %RSD	High Value	QC Flag
Be	9	6	1	199.43	199.43	0.24	ppb	47058.11	0.57	3600	
Na	23	45	2	6523.30	6523.30	0.11	ppb	985921.55	0.41	1800000	
Mg	24	45	2	1300.00	1300.00	0.33	ppb	78615.17	0.69	450000	
Al	27	45	2	3207.58	3207.58	1.52	ppb	35810.57	1.44	450000	
K	39	45	2	1191.09	1191.09	2.79	ppb	31369.03	2.89	180000	
Ca	44	45	2	3273.99	3273.99	5.80	ppb	4614.32	6.08	450000	
V	51	72	2	204.26	204.26	2.87	ppb	165866.10	3.34	3600	
Cr	52	72	2	194.55	194.55	0.46	ppb	230688.00	1.02	3600	
Mn	55	72	2	243.38	243.38	1.03	ppb	93040.61	0.49	3600	
Fe	57	72	2	3589.24	3589.24	1.11	ppb	83829.40	0.82	90000	
Co	59	72	2	200.66	200.66	0.59	ppb	492054.03	1.19	3600	
Ni	60	72	2	202.52	202.52	1.26	ppb	144381.65	1.27	3600	
Cu	63	72	2	205.51	205.51	0.92	ppb	432260.54	1.34	3600	
Zn	66	72	2	208.55	208.55	3.04	ppb	41109.83	2.47	3600	
As	75	72	2	190.48	190.48	4.02	ppb	18430.18	3.40	3600	
Se	78	72	1	169.20	169.20	0.85	ppb	69243.19	1.21	3600	
Nb	93	72	2	0.20	0.20	18.82	ppb	740.09	14.30	7200	
Mo	95	115	2	183.33	183.33	2.75	ppb	175025.67	2.20	3600	
Pd	105	115	2	0.02	0.02	91.95	ppb	33.34	91.66	3600	
Ag	107	115	2	201.63	201.63	30.04	ppb	831417.36	29.54	900	
Cd	111	115	2	194.02	194.02	2.48	ppb	76597.79	2.11	3600	
Sn	120	115	2	199.98	199.98	1.38	ppb	179689.64	0.66	3600	
Sb	121	115	2	196.96	196.96	1.01	ppb	112985.02	1.62	3600	
Ba	137	115	2	281.50	281.50	0.88	ppb	56175.70	1.32	3600	
W	182	165	2	0.06	0.06	62.98	ppb	1046.80	18.85	3600	
Pt	195	165	2	0.00	0.00	-946.03	ppb	46.67	137.77	3600	
Tl	205	165	2	216.07	216.07	1.57	ppb	1910234.76	0.70	3600	
Pb	208	165	2	223.47	223.47	1.17	ppb	2481000.09	0.32	3600	
Th	232	165	2	229.14	229.14	2.70	ppb	2400517.41	1.91	3600	
U	238	165	2	232.36	232.36	1.46	ppb	3024621.00	0.59	3600	

QC ISTD Table

Element	m/z	Tune Step	CPS	%RSD	Ref CPS	%Rec	Lower Limit	Upper Limit	QC Flag
Li6	6	1	855215	0.67	1785568	47.9	60	125	IS Main Failed
Sc (IS)	45	2	600281	0.42	1044004	57.5	60	125	IS Main Failed
Ge (IS)	72	1	12325874	0.54	25160288	49.0	60	125	IS Main Failed
Ge (IS)	72	2	882500	0.62	1449538	60.9	60	125	
115In	115	2	2878434	0.75	4071130	70.7	60	125	
Ho-165	165	2	19931617	0.93	25018358	79.7	60	125	

TuneStep	TuneFile	TuneDate
1	h2_hmi.u	5/2/2012 8:08:00 PM
2	he_hmi.u	5/2/2012 8:09:00 PM

Sample Report

Sample Name	280-28194-A-11-B
Data File Name	174SMPL.D
DataPath	d:\DATA\050212.B
Acq Date Time	2012-05-02T20:13:16-06:00
Type	Sample
VialNumber	3301
Dilution	1
Comment	17691 6020
Operator	LMT
ISTDRefDataFileName	121CALB.D
SamplePassFail	Fail
ISTD PassFail	Pass

QC Analyte Table

Element	m/z	ISTD	Tune Step	Meas Value	FinalConc	%RSD	Units	CPS	CPS %RSD	High Value	QC Flag
Be	9	6	1	0.41	0.41	26.18	ppb	100.00	25.98	3600	
Na	23	45	2	5041.51	5041.51	3.03	ppb	762705.45	0.78	1800000	
Mg	24	45	2	706.54	706.54	1.81	ppb	42637.62	2.15	450000	
Al	27	45	2	805.49	805.49	5.23	ppb	8976.37	7.29	450000	
K	39	45	2	710.43	710.43	5.44	ppb	19064.82	4.67	180000	
Ca	44	45	2	1072.24	1072.24	18.30	ppb	1520.20	18.09	450000	
V	51	72	2	1.14	1.14	6.33	ppb	963.66	4.96	3600	
Cr	52	72	2	2.82	2.82	11.04	ppb	3440.63	9.14	3600	
Mn	55	72	2	7.70	7.70	15.50	ppb	2993.87	13.73	3600	
Fe	57	72	2	384.46	384.46	5.52	ppb	9056.57	3.93	90000	
Co	59	72	2	0.99	0.99	16.32	ppb	2420.41	14.94	3600	
Ni	60	72	2	1.93	1.93	14.05	ppb	1486.89	11.44	3600	
Cu	63	72	2	0.47	0.47	19.97	ppb	2160.34	8.49	3600	
Zn	66	72	2	1.66	1.66	48.66	ppb	506.71	30.15	3600	
As	75	72	2	0.55	0.55	65.38	ppb	53.34	65.85	3600	
Se	78	72	1	0.35	0.35	31.46	ppb	152.00	29.89	3600	
Nb	93	72	2	0.16	0.16	61.96	ppb	626.81	41.05	7200	
Mo	95	115	2	0.15	0.15	53.12	ppb	166.68	48.49	3600	
Pd	105	115	2	0.00	0.00	#DIV/0!	ppb	0.00	#DIV/0!	3600	
Ag	107	115	2	0.24	0.24	16.61	ppb	1026.79	15.75	900	
Cd	111	115	2	0.06	0.06	47.08	ppb	53.33	21.65	3600	
Sn	120	115	2	0.31	0.31	34.02	ppb	446.72	22.54	3600	
Sb	121	115	2	0.64	0.64	26.47	ppb	433.38	20.81	3600	
Ba	137	115	2	42.87	42.87	4.64	ppb	8562.94	3.16	3600	
W	182	165	2	0.11	0.11	108.31	ppb	1355.29	49.75	3600	
Pt	195	165	2	0.00	0.00	579.41	ppb	66.67	124.90	3600	
Tl	205	165	2	0.18	0.18	17.68	ppb	1726.95	18.00	3600	
Pb	208	165	2	0.59	0.59	1.86	ppb	7461.68	1.42	3600	
Th	232	165	2	4.07	4.07	11.55	ppb	42206.45	9.66	3600	
U	238	165	2	0.17	0.17	13.43	ppb	2253.71	11.59	3600	

QC ISTD Table

Element	m/z	Tune Step	CPS	%RSD	Ref CPS	%Rec	Lower Limit	Upper Limit	QC Flag
Li6	6	1	861237	0.97	1785568	48.2	60	125	IS Main Failed
Sc (IS)	45	2	597973	2.17	1044004	57.3	60	125	IS Main Failed
Ge (IS)	72	1	12504387	0.80	25160288	49.7	60	125	IS Main Failed
Ge (IS)	72	2	883111	1.49	1449538	60.9	60	125	
115In	115	2	2875573	1.73	4071130	70.6	60	125	
Ho-165	165	2	19646839	1.90	25018358	78.5	60	125	

TuneStep	TuneFile	TuneDate
1	h2_hmi.u	5/2/2012 8:11:00 PM
2	he_hmi.u	5/2/2012 8:11:00 PM

Sample Report

Sample Name	280-28194-A-12-B
Data File Name	175SMPL.D
DataPath	d:\DATA\050212.B
Acq Date Time	2012-05-02T20:16:15-06:00
Type	Sample
VialNumber	3302
Dilution	1
Comment	17691 6020
Operator	LMT
ISTDRefDataFileName	121CALB.D
SamplePassFail	Fail
ISTD PassFail	Pass

QC Analyte Table

Element	m/z	ISTD	Tune Step	Meas Value	FinalConc	%RSD	Units	CPS	CPS %RSD	High Value	QC Flag
Be	9	6	1	0.26	0.26	47.57	ppb	63.33	44.89	3600	
Na	23	45	2	10670.70	10670.70	0.66	ppb	1632512.16	0.54	1800000	
Mg	24	45	2	1064.95	1064.95	3.00	ppb	65672.00	2.38	450000	
Al	27	45	2	230.12	230.12	6.54	ppb	2633.81	6.85	450000	
K	39	45	2	1401.08	1401.08	3.83	ppb	37413.79	3.15	180000	
Ca	44	45	2	1635.48	1635.48	7.45	ppb	2360.37	6.73	450000	
V	51	72	2	1.21	1.21	21.67	ppb	1040.72	21.01	3600	
Cr	52	72	2	0.48	0.48	28.85	ppb	686.73	24.43	3600	
Mn	55	72	2	5.28	5.28	15.77	ppb	2100.30	15.68	3600	
Fe	57	72	2	746.73	746.73	6.06	ppb	17770.03	6.06	90000	
Co	59	72	2	0.41	0.41	3.24	ppb	1013.45	3.01	3600	
Ni	60	72	2	1.15	1.15	32.27	ppb	946.76	28.84	3600	
Cu	63	72	2	0.54	0.54	18.68	ppb	2353.69	9.17	3600	
Zn	66	72	2	0.91	0.91	51.99	ppb	366.72	25.78	3600	
As	75	72	2	6.75	6.75	7.09	ppb	663.37	7.44	3600	
Se	78	72	1	0.31	0.31	21.97	ppb	136.00	21.21	3600	
Nb	93	72	2	0.07	0.07	48.53	ppb	393.38	24.03	7200	
Mo	95	115	2	0.17	0.17	54.54	ppb	180.01	48.43	3600	
Pd	105	115	2	0.01	0.01	173.21	ppb	20.00	173.21	3600	
Ag	107	115	2	0.23	0.23	19.83	ppb	986.79	19.48	900	
Cd	111	115	2	-0.07	-0.07	0.00	ppb	0.00	#DIV/0!	3600	
Sn	120	115	2	0.22	0.22	28.72	ppb	366.71	15.75	3600	
Sb	121	115	2	0.09	0.09	137.37	ppb	120.01	60.10	3600	
Ba	137	115	2	49.79	49.79	0.77	ppb	10150.47	1.49	3600	
W	182	165	2	0.06	0.06	52.79	ppb	1113.48	18.35	3600	
Pt	195	165	2	0.00	0.00	-86161.27	ppb	53.34	57.29	3600	
Tl	205	165	2	0.15	0.15	13.05	ppb	1446.90	11.18	3600	
Pb	208	165	2	0.59	0.59	2.62	ppb	7614.85	2.73	3600	
Th	232	165	2	1.32	1.32	8.41	ppb	14247.79	8.44	3600	
U	238	165	2	0.13	0.13	16.25	ppb	1746.95	14.95	3600	

QC ISTD Table

Element	m/z	Tune Step	CPS	%RSD	Ref CPS	%Rec	Lower Limit	Upper Limit	QC Flag
Li6	6	1	857380	1.53	1785568	48.0	60	125	IS Main Failed
Sc (IS)	45	2	611907	0.73	1044004	58.6	60	125	IS Main Failed
Ge (IS)	72	1	12494068	0.80	25160288	49.7	60	125	IS Main Failed
Ge (IS)	72	2	895697	0.39	1449538	61.8	60	125	
115In	115	2	2934662	0.72	4071130	72.1	60	125	
Ho-165	165	2	20108766	0.76	25018358	80.4	60	125	

TuneStep	TuneFile	TuneDate
1	h2_hmi.u	5/2/2012 8:14:00 PM
2	he_hmi.u	5/2/2012 8:14:00 PM

Sample Report

Sample Name	280-28194-A-14-B
Data File Name	176SMPL.D
DataPath	d:\DATA\050212.B
Acq Date Time	2012-05-02T20:19:13-06:00
Type	Sample
VialNumber	3303
Dilution	1
Comment	17691 6020
Operator	LMT
ISTDRefDataFileName	121CALB.D
SamplePassFail	Fail
ISTD PassFail	Pass

QC Analyte Table

Element	m/z	ISTD	Tune Step	Meas Value	FinalConc	%RSD	Units	CPS	CPS %RSD	High Value	QC Flag
Be	9	6	1	0.02	0.02	228.76	ppb	6.67	173.21	3600	
Na	23	45	2	254.73	254.73	6.48	ppb	55866.29	3.60	1800000	
Mg	24	45	2	8.28	8.28	23.66	ppb	680.06	16.38	450000	
Al	27	45	2	9.92	9.92	55.25	ppb	126.68	48.24	450000	
K	39	45	2	3.16	3.16	81.15	ppb	1166.80	6.02	180000	
Ca	44	45	2	258.09	258.09	47.29	ppb	386.72	43.38	450000	
V	51	72	2	0.07	0.07	181.91	ppb	98.36	102.93	3600	
Cr	52	72	2	0.25	0.25	23.90	ppb	413.38	18.32	3600	
Mn	55	72	2	0.07	0.07	75.27	ppb	80.01	25.00	3600	
Fe	57	72	2	-0.02	-0.02	-12376.83	ppb	86.68	53.29	90000	
Co	59	72	2	0.00	0.00	#DIV/0!	ppb	0.00	#DIV/0!	3600	
Ni	60	72	2	-0.04	-0.04	-107.49	ppb	80.01	43.30	3600	
Cu	63	72	2	0.13	0.13	90.10	ppb	1486.93	16.17	3600	
Zn	66	72	2	-0.10	-0.10	-501.52	ppb	166.68	59.20	3600	
As	75	72	2	0.07	0.07	173.21	ppb	6.67	173.21	3600	
Se	78	72	1	0.04	0.04	100.20	ppb	25.33	65.74	3600	
Nb	93	72	2	0.02	0.02	251.96	ppb	253.36	52.57	7200	
Mo	95	115	2	0.03	0.03	84.16	ppb	46.67	49.49	3600	
Pd	105	115	2	0.00	0.00	#DIV/0!	ppb	0.00	#DIV/0!	3600	
Ag	107	115	2	0.60	0.60	7.27	ppb	2553.77	7.61	900	
Cd	111	115	2	-0.04	-0.04	-74.25	ppb	13.33	86.60	3600	
Sn	120	115	2	0.22	0.22	36.70	ppb	373.38	20.28	3600	
Sb	121	115	2	0.02	0.02	158.33	ppb	80.01	25.00	3600	
Ba	137	115	2	0.67	0.67	77.47	ppb	160.01	66.15	3600	
W	182	165	2	0.00	0.00	300.74	ppb	746.75	6.74	3600	
Pt	195	165	2	0.00	0.00	176.46	ppb	66.67	34.65	3600	
Tl	205	165	2	0.00	0.00	2.79	ppb	140.01	0.00	3600	
Pb	208	165	2	0.03	0.03	49.64	ppb	1366.81	12.62	3600	
Th	232	165	2	0.55	0.55	8.37	ppb	6041.76	8.20	3600	
U	238	165	2	0.01	0.01	57.09	ppb	180.02	38.49	3600	

QC ISTD Table

Element	m/z	Tune Step	CPS	%RSD	Ref CPS	%Rec	Lower Limit	Upper Limit	QC Flag
Li6	6	1	847358	0.25	1785568	47.5	60	125	IS Main Failed
Sc (IS)	45	2	604783	1.11	1044004	57.9	60	125	IS Main Failed
Ge (IS)	72	1	12535520	1.36	25160288	49.8	60	125	IS Main Failed
Ge (IS)	72	2	904339	0.74	1449538	62.4	60	125	
115In	115	2	2932747	0.42	4071130	72.0	60	125	
Ho-165	165	2	20119556	0.33	25018358	80.4	60	125	

TuneStep	TuneFile	TuneDate
1	h2_hmi.u	5/2/2012 8:17:00 PM
2	he_hmi.u	5/2/2012 8:17:00 PM

Sample Report

Sample Name	280-28252-I-1-E
Data File Name	177SMPL.D
DataPath	d:\DATA\050212.B
Acq Date Time	2012-05-02T20:22:11-06:00
Type	Sample
VialNumber	3304
Dilution	1
Comment	17691 6020
Operator	LMT
ISTDRefDataFileName	121CALB.D
SamplePassFail	Fail
ISTD PassFail	Pass

QC Analyte Table

Element	m/z	ISTD	Tune Step	Meas Value	FinalConc	%RSD	Units	CPS	CPS%RSD	High Value	QC Flag
Be	9	6	1	0.01	0.01	169.10	ppb	3.33	86.60	3600	
Na	23	45	2	51127.12	51127.12	2.12	ppb	7590320.93	0.71	1800000	
Mg	24	45	2	2881.98	2881.98	2.40	ppb	173686.19	0.32	450000	
Al	27	45	2	4.02	4.02	2.99	ppb	60.01	0.01	450000	
K	39	45	2	1419.87	1419.87	2.29	ppb	37106.92	1.03	180000	
Ca	44	45	2	4526.99	4526.99	4.95	ppb	6354.94	3.19	450000	
V	51	72	2	0.10	0.10	263.64	ppb	125.68	177.28	3600	
Cr	52	72	2	0.27	0.27	32.08	ppb	420.04	23.81	3600	
Mn	55	72	2	1587.72	1587.72	1.08	ppb	604607.49	1.36	3600	
Fe	57	72	2	90228.87	90228.87	0.77	ppb	2098102.21	0.67	90000	Sample Main Failed
Co	59	72	2	2.23	2.23	8.42	ppb	5447.90	8.19	3600	
Ni	60	72	2	1.01	1.01	6.71	ppb	826.78	6.09	3600	
Cu	63	72	2	0.22	0.22	127.31	ppb	1626.90	35.30	3600	
Zn	66	72	2	2.28	2.28	29.56	ppb	626.73	20.77	3600	
As	75	72	2	1.87	1.87	19.78	ppb	180.01	20.03	3600	
Se	78	72	1	0.23	0.23	26.81	ppb	100.00	24.33	3600	
Nb	93	72	2	0.02	0.02	133.86	ppb	260.02	33.53	7200	
Mo	95	115	2	0.04	0.04	129.48	ppb	60.00	88.20	3600	
Pd	105	115	2	0.01	0.01	99.24	ppb	20.00	100.00	3600	
Ag	107	115	2	0.08	0.08	13.95	ppb	340.04	11.76	900	
Cd	111	115	2	0.05	0.05	223.39	ppb	46.67	89.21	3600	
Sn	120	115	2	0.36	0.36	19.22	ppb	486.71	13.21	3600	
Sb	121	115	2	0.01	0.01	634.78	ppb	73.34	68.64	3600	
Ba	137	115	2	40.05	40.05	10.36	ppb	7935.93	9.30	3600	
W	182	165	2	0.01	0.01	217.90	ppb	760.10	16.01	3600	
Pt	195	165	2	0.00	0.00	4155.77	ppb	53.34	141.97	3600	
Tl	205	165	2	0.02	0.02	39.29	ppb	313.37	24.17	3600	
Pb	208	165	2	0.15	0.15	14.59	ppb	2566.97	9.43	3600	
Th	232	165	2	0.56	0.56	15.94	ppb	6008.41	15.67	3600	
U	238	165	2	0.02	0.02	45.49	ppb	253.37	35.60	3600	

QC ISTD Table

Element	m/z	Tune Step	CPS	%RSD	Ref CPS	%Rec	Lower Limit	Upper Limit	QC Flag
Li6	6	1	841594	1.92	1785568	47.1	60	125	IS Main Failed
Sc (IS)	45	2	599176	2.20	1044004	57.4	60	125	IS Main Failed
Ge (IS)	72	1	12023489	0.84	25160288	47.8	60	125	IS Main Failed
Ge (IS)	72	2	879455	0.28	1449538	60.7	60	125	
115In	115	2	2853313	1.36	4071130	70.1	60	125	
Ho-165	165	2	19405163	0.41	25018358	77.6	60	125	

TuneStep	TuneFile	TuneDate
1	h2_hmi.u	5/2/2012 8:20:00 PM
2	he_hmi.u	5/2/2012 8:20:00 PM

Sample Report

Sample Name	280-28262-D-1-C
Data File Name	178SMPL.D
DataPath	d:\DATA\050212.B
Acq Date Time	2012-05-02T20:25:09-06:00
Type	Sample
VialNumber	3305
Dilution	1
Comment	17691 6020
Operator	LMT
ISTDRefDataFileName	121CALB.D
SamplePassFail	Fail
ISTD PassFail	Pass

QC Analyte Table

Element	m/z	ISTD	Tune Step	Meas Value	FinalConc	%RSD	Units	CPS	CPS %RSD	High Value	QC Flag
Be	9	6	1	0.01	0.01	257.32	ppb	5.00	173.21	3600	
Na	23	45	2	13942.93	13942.93	2.50	ppb	2041133.36	1.25	1800000	
Mg	24	45	2	2606.79	2606.79	0.71	ppb	154024.14	1.87	450000	
Al	27	45	2	245.84	245.84	16.08	ppb	2701.07	16.81	450000	
K	39	45	2	5200.20	5200.20	2.93	ppb	130367.46	1.11	180000	
Ca	44	45	2	80127.63	80127.63	1.42	ppb	109925.05	2.33	450000	
V	51	72	2	2.96	2.96	7.05	ppb	2388.79	7.53	3600	
Cr	52	72	2	1.00	1.00	14.06	ppb	1266.83	13.43	3600	
Mn	55	72	2	20.13	20.13	6.86	ppb	7575.52	7.41	3600	
Fe	57	72	2	278.43	278.43	2.73	ppb	6434.97	2.42	90000	
Co	59	72	2	0.15	0.15	23.85	ppb	360.04	24.22	3600	
Ni	60	72	2	1.31	1.31	5.37	ppb	1020.14	5.19	3600	
Cu	63	72	2	2.24	2.24	15.31	ppb	5754.66	12.44	3600	
Zn	66	72	2	4.91	4.91	21.04	ppb	1120.14	17.03	3600	
As	75	72	2	0.99	0.99	32.23	ppb	93.34	32.74	3600	
Se	78	72	1	0.12	0.12	40.58	ppb	54.67	34.58	3600	
Nb	93	72	2	0.00	0.00	217.41	ppb	200.02	10.00	7200	
Mo	95	115	2	2.82	2.82	7.65	ppb	2660.45	7.25	3600	
Pd	105	115	2	0.00	0.00	#DIV/0!	ppb	0.00	#DIV/0!	3600	
Ag	107	115	2	0.09	0.09	53.73	ppb	400.05	50.75	900	
Cd	111	115	2	-0.04	-0.04	-79.81	ppb	13.33	86.60	3600	
Sn	120	115	2	0.00	0.00	1411.40	ppb	166.69	36.66	3600	
Sb	121	115	2	0.31	0.31	50.38	ppb	240.02	36.33	3600	
Ba	137	115	2	25.79	25.79	6.96	ppb	5081.20	7.48	3600	
W	182	165	2	3.54	3.54	2.70	ppb	21048.60	2.88	3600	
Pt	195	165	2	0.00	0.00	-61.67	ppb	33.33	34.64	3600	
Tl	205	165	2	0.00	0.00	168.94	ppb	140.01	24.74	3600	
Pb	208	165	2	0.82	0.82	8.63	ppb	9942.23	8.12	3600	
Th	232	165	2	0.24	0.24	25.41	ppb	2720.51	23.35	3600	
U	238	165	2	0.69	0.69	6.37	ppb	8870.07	6.32	3600	

QC ISTD Table

Element	m/z	Tune Step	CPS	%RSD	Ref CPS	%Rec	Lower Limit	Upper Limit	QC Flag
Li6	6	1	846231	1.48	1785568	47.4	60	125	IS Main Failed
Sc (IS)	45	2	587179	1.86	1044004	56.2	60	125	IS Main Failed
Ge (IS)	72	1	11963004	0.44	25160288	47.5	60	125	IS Main Failed
Ge (IS)	72	2	862919	0.67	1449538	59.5	60	125	IS Main Failed
115In	115	2	2829183	0.83	4071130	69.5	60	125	
Ho-165	165	2	19511686	0.34	25018358	78.0	60	125	

TuneStep	TuneFile	TuneDate
1	h2_hmi.u	5/2/2012 8:23:00 PM
2	he_hmi.u	5/2/2012 8:23:00 PM

Continuing Calibration Verification (CCV) - US EPA Method 6020

Sample Name	ccv-1394868
Data File Name	1796CCV.D
DataPath	d:\DATA\050212.B
Acq Date Time	2012-05-02T20:28:07-06:00
Type	6-CCV
VialNumber	1106
Dilution	1
Comment	
Operator	LMT
ISTDRefDataFileName	121CALB.D
SamplePassFail	Fail
ISTD PassFail	Pass

QC Analyte Table

Element	m/z	ISTD	Tune Step	Meas Value	%RSD	Units	CPS	CPS%RSD	Exp Value	%Rec	QC Low	QC High	QC Flag
Be	9	6	1	52.88	2.55	ppb	13313.18	1.46	50	105.8	90	110	
Na	23	45	2	4789.73	2.24	ppb	736483.45	0.90	5000	95.8	90	110	
Mg	24	45	2	4994.79	2.65	ppb	304804.30	1.62	5000	99.9	90	110	
Al	27	45	2	4866.41	2.12	ppb	54930.94	3.43	5000	97.3	90	110	
K	39	45	2	4855.83	1.73	ppb	125956.10	3.05	5000	97.1	90	110	
Ca	44	45	2	5075.03	4.05	ppb	7215.34	2.78	5000	101.5	90	110	
V	51	72	2	48.04	5.12	ppb	40144.26	4.82	50	96.1	90	110	
Cr	52	72	2	48.45	2.39	ppb	59165.90	2.71	50	96.9	90	110	
Mn	55	72	2	48.95	7.26	ppb	19285.24	7.10	50	97.9	90	110	
Fe	57	72	2	5059.01	0.41	ppb	121473.23	0.74	5000	101.2	90	110	
Co	59	72	2	49.49	0.65	ppb	124796.89	0.39	50	99.0	90	110	
Ni	60	72	2	51.92	3.00	ppb	38149.24	2.87	50	103.8	90	110	
Cu	63	72	2	50.23	1.03	ppb	109566.01	0.98	50	100.5	90	110	
Zn	66	72	2	47.61	6.91	ppb	9796.72	6.60	50	95.2	90	110	
As	75	72	2	49.59	3.82	ppb	4934.20	3.48	50	99.2	90	110	
Se	78	72	1	49.20	0.56	ppb	22048.40	0.23	50	98.4	90	110	
Nb	93	72	2	104.68	0.52	ppb	293858.14	0.85	100	104.7	90	110	
Mo	95	115	2	45.77	4.14	ppb	44131.50	3.79	50	91.5	90	110	
Pd	105	115	2	48.22	3.00	ppb	89881.39	3.44	50	96.4	90	110	
Ag	107	115	2	48.89	0.34	ppb	203710.82	0.85	50	97.8	90	110	
Cd	111	115	2	50.91	4.33	ppb	20307.00	3.17	50	101.8	90	110	
Sn	120	115	2	49.30	2.31	ppb	44861.29	3.46	50	98.6	90	110	
Sb	121	115	2	50.46	3.84	ppb	29266.91	2.78	50	100.9	90	110	
Ba	137	115	2	53.14	9.25	ppb	10730.88	9.93	50	106.3	90	110	
W	182	165	2	51.14	2.37	ppb	299132.49	1.69	50	102.3	90	110	
Pt	195	165	2	51.33	1.53	ppb	271157.36	1.69	50	102.7	90	110	
Tl	205	165	2	52.87	0.97	ppb	464998.09	0.46	50	105.7	90	110	
Pb	208	165	2	53.81	1.24	ppb	594878.21	0.61	50	107.6	90	110	
Th	232	165	2	56.59	1.41	ppb	589819.25	1.07	50	113.2	90	110	6-CCV Main Failed
U	238	165	2	56.99	2.20	ppb	737776.73	1.83	50	114.0	90	110	6-CCV Main Failed

QC ISTD Table

Element	m/z	Tune Step	CPS	%RSD	Ref CPS	%Rec	QC Low	QC High	QC Flag
Li6	6	1	912668	1.83	1785568	51.1	60	125	IS Main Failed
Sc (IS)	45	2	606891	1.40	1044004	58.1	60	125	IS Main Failed
Ge (IS)	72	1	13493064	0.56	25160288	53.6	60	125	IS Main Failed
Ge (IS)	72	2	907499	0.35	1449538	62.6	60	125	
115In	115	2	2906038	1.18	4071130	71.4	60	125	
Ho-165	165	2	19821813	0.68	25018358	79.2	60	125	

TuneStep	TuneFile
1	h2_hmi.u
2	he_hmi.u

Continuing Calibration Blank (CCB) - US EPA Method 6020

Sample Name	ccb-1394903
Data File Name	1806CCB.D
DataPath	d:\DATA\050212.B
Acq Date Time	2012-05-02T20:31:05-06:00
Type	6-CCB
VialNumber	1306
Dilution	1
Comment	
Operator	LMT
ISTDRefDataFileName	121CALB.D
SamplePassFail	Fail
ISTD PassFail	Pass

QC Analyte Table

Element	m/z	ISTD	Tune Step	Meas Value	%RSD	Units	CPS	CPS %RSD	QC High	QC Flag
Be	9	6	1	0.04	105.23	ppb	11.67	89.21	1	
Na	23	45	2	-88.77	-4.95	ppb	4314.21	11.92	20	
Mg	24	45	2	-0.89	-133.35	ppb	120.01	60.10	20	
Al	27	45	2	3.07	201.93	ppb	46.67	137.77	20	
K	39	45	2	-11.04	-84.35	ppb	766.75	28.74	20	
Ca	44	45	2	-16.42	0.00	ppb	0.00	#DIV/0!	20	
V	51	72	2	0.14	51.93	ppb	151.39	39.48	1	
Cr	52	72	2	0.02	598.51	ppb	126.68	107.48	1	
Mn	55	72	2	-0.07	-118.94	ppb	26.67	114.57	1	
Fe	57	72	2	0.10	1738.58	ppb	86.67	48.04	20	
Co	59	72	2	0.01	86.63	ppb	13.33	86.60	1	
Ni	60	72	2	-0.04	-146.25	ppb	80.01	50.00	1	
Cu	63	72	2	-0.01	-576.78	ppb	1146.81	15.63	1	
Zn	66	72	2	-0.21	-257.66	ppb	140.02	75.59	5	
As	75	72	2	0.07	173.21	ppb	6.67	173.21	5	
Se	78	72	1	0.03	83.78	ppb	21.33	47.19	5	
Nb	93	72	2	0.93	18.01	ppb	2707.11	16.61	5	
Mo	95	115	2	0.05	83.94	ppb	60.00	57.74	1	
Pd	105	115	2	0.04	50.96	ppb	80.01	50.00	1	
Ag	107	115	2	0.30	7.79	ppb	1240.15	10.07	1	
Cd	111	115	2	0.05	264.38	ppb	46.67	107.86	1	
Sn	120	115	2	0.08	89.80	ppb	226.69	26.96	5	
Sb	121	115	2	0.08	232.99	ppb	113.35	100.35	0.2	
Ba	137	115	2	-0.12	0.00	ppb	0.00	#DIV/0!	1	
W	182	165	2	0.07	52.48	ppb	1113.47	17.99	1	
Pt	195	165	2	0.01	83.21	ppb	126.68	48.24	1	
Tl	205	165	2	0.01	111.84	ppb	200.02	43.59	1	
Pb	208	165	2	0.01	389.42	ppb	1066.80	32.82	1	
Th	232	165	2	0.27	9.21	ppb	3040.61	12.19	1	
U	238	165	2	0.03	48.58	ppb	420.05	45.43	1	

QC ISTD Table

Element	m/z	Tune Step	CPS	%RSD	Ref CPS	%Rec	QC Low	QC High	QC Flag
Li6	6	1	926350	2.65	1785568	51.9	60	125	IS Main Failed
Sc (IS)	45	2	579739	3.26	1044004	55.5	60	125	IS Main Failed
Ge (IS)	72	1	13454403	0.68	25160288	53.5	60	125	IS Main Failed
Ge (IS)	72	2	877651	2.10	1449538	60.5	60	125	
115In	115	2	2799732	2.98	4071130	68.8	60	125	
Ho-165	165	2	19251655	3.64	25018358	77.0	60	125	

TuneStep	TuneFile
1	h2_hmi.u
2	he_hmi.u

Sample Report

Sample Name	280-28293-A-9-A
Data File Name	181SMPL.D
DataPath	d:\DATA\050212.B
Acq Date Time	2012-05-02T20:34:04-06:00
Type	Sample
VialNumber	3306
Dilution	1
Comment	17691 6020
Operator	LMT
ISTDRefDataFileName	121CALB.D
SamplePassFail	Fail
ISTD PassFail	Pass

QC Analyte Table

Element	m/z	ISTD	Tune Step	Meas Value	FinalConc	%RSD	Units	CPS	CPS %RSD	High Value	QC Flag
Be	9	6	1	0.00	0.00	19556.75	ppb	1.67	173.21	3600	
Na	23	45	2	-54.79	-54.79	-5.03	ppb	9443.10	4.51	1800000	
Mg	24	45	2	-0.48	-0.48	-264.48	ppb	146.68	51.63	450000	
Al	27	45	2	-0.17	-0.17	-1263.94	ppb	13.33	173.21	450000	
K	39	45	2	-9.04	-9.04	-70.22	ppb	840.09	18.60	180000	
Ca	44	45	2	7.48	7.48	292.23	ppb	33.33	91.65	450000	
V	51	72	2	-0.03	-0.03	-145.86	ppb	20.69	147.22	3600	
Cr	52	72	2	0.07	0.07	46.80	ppb	193.35	21.53	3600	
Mn	55	72	2	0.09	0.09	180.49	ppb	86.68	70.50	3600	
Fe	57	72	2	2.07	2.07	166.13	ppb	133.34	60.62	90000	
Co	59	72	2	0.01	0.01	173.21	ppb	13.33	173.21	3600	
Ni	60	72	2	0.02	0.02	377.61	ppb	126.68	50.76	3600	
Cu	63	72	2	0.07	0.07	152.54	ppb	1326.85	16.54	3600	
Zn	66	72	2	0.84	0.84	60.18	ppb	346.70	28.46	3600	
As	75	72	2	0.00	0.00	#DIV/0!	ppb	0.00	#DIV/0!	3600	
Se	78	72	1	0.02	0.02	144.88	ppb	16.00	66.14	3600	
Nb	93	72	2	0.36	0.36	14.49	ppb	1173.49	11.97	7200	
Mo	95	115	2	0.04	0.04	47.93	ppb	60.01	33.34	3600	
Pd	105	115	2	0.01	0.01	173.21	ppb	13.33	173.21	3600	
Ag	107	115	2	0.38	0.38	14.95	ppb	1593.54	14.11	900	
Cd	111	115	2	0.06	0.06	184.79	ppb	53.34	86.60	3600	
Sn	120	115	2	-0.02	-0.02	-429.45	ppb	146.68	55.11	3600	
Sb	121	115	2	-0.09	-0.09	-21.76	ppb	13.33	86.60	3600	
Ba	137	115	2	-0.05	-0.05	-112.34	ppb	13.33	86.60	3600	
W	182	165	2	0.02	0.02	147.91	ppb	860.10	24.28	3600	
Pt	195	165	2	0.00	0.00	-267.81	ppb	40.00	86.61	3600	
Tl	205	165	2	0.00	0.00	476.16	ppb	140.01	62.27	3600	
Pb	208	165	2	0.02	0.02	142.77	ppb	1173.47	20.55	3600	
Th	232	165	2	0.42	0.42	13.55	ppb	4681.19	12.70	3600	
U	238	165	2	0.01	0.01	150.07	ppb	126.68	81.03	3600	

QC ISTD Table

Element	m/z	Tune Step	CPS	%RSD	Ref CPS	%Rec	Lower Limit	Upper Limit	QC Flag
Li6	6	1	868277	1.03	1785568	48.6	60	125	IS Main Failed
Sc (IS)	45	2	595274	0.56	1044004	57.0	60	125	IS Main Failed
Ge (IS)	72	1	12631526	0.65	25160288	50.2	60	125	IS Main Failed
Ge (IS)	72	2	883131	0.29	1449538	60.9	60	125	
115In	115	2	2880625	0.64	4071130	70.8	60	125	
Ho-165	165	2	19853863	0.26	25018358	79.4	60	125	

TuneStep	TuneFile	TuneDate
1	h2_hmi.u	5/2/2012 8:32:00 PM
2	he_hmi.u	5/2/2012 8:32:00 PM

Sample Report

Sample Name	280-28293-A-10-A
Data File Name	182SMPL.D
DataPath	d:\DATA\050212.B
Acq Date Time	2012-05-02T20:37:04-06:00
Type	Sample
VialNumber	3307
Dilution	1
Comment	17691 6020
Operator	LMT
ISTDRefDataFileName	121CALB.D
SamplePassFail	Fail
ISTD PassFail	Pass

QC Analyte Table

Element	m/z	ISTD	Tune Step	Meas Value	FinalConc	%RSD	Units	CPS	CPS %RSD	High Value	QC Flag
Be	9	6	1	0.00	0.00	8476.83	ppb	1.67	173.21	3600	
Na	23	45	2	379.96	379.96	7.70	ppb	73446.88	5.73	1800000	
Mg	24	45	2	21.24	21.24	16.22	ppb	1446.85	14.65	450000	
Al	27	45	2	1.65	1.65	168.61	ppb	33.34	91.66	450000	
K	39	45	2	0.96	0.96	730.88	ppb	1093.46	16.60	180000	
Ca	44	45	2	650.34	650.34	15.32	ppb	926.78	14.37	450000	
V	51	72	2	0.01	0.01	1672.87	ppb	53.53	377.96	3600	
Cr	52	72	2	0.28	0.28	10.26	ppb	440.05	7.87	3600	
Mn	55	72	2	0.33	0.33	103.17	ppb	180.02	72.86	3600	
Fe	57	72	2	8.92	8.92	22.07	ppb	293.36	15.75	90000	
Co	59	72	2	0.03	0.03	17.28	ppb	66.68	17.32	3600	
Ni	60	72	2	0.23	0.23	14.06	ppb	273.37	8.45	3600	
Cu	63	72	2	0.34	0.34	48.50	ppb	1900.27	18.26	3600	
Zn	66	72	2	4.23	4.23	24.21	ppb	1013.44	19.77	3600	
As	75	72	2	0.10	0.10	100.00	ppb	10.00	100.00	3600	
Se	78	72	1	0.02	0.02	226.87	ppb	17.33	113.84	3600	
Nb	93	72	2	0.14	0.14	16.49	ppb	566.73	10.78	7200	
Mo	95	115	2	0.06	0.06	118.22	ppb	80.01	90.14	3600	
Pd	105	115	2	0.00	0.00	173.21	ppb	6.67	173.21	3600	
Ag	107	115	2	0.14	0.14	32.21	ppb	593.40	30.21	900	
Cd	111	115	2	0.05	0.05	167.51	ppb	46.67	65.47	3600	
Sn	120	115	2	0.03	0.03	224.88	ppb	193.35	33.25	3600	
Sb	121	115	2	-0.03	-0.03	-61.78	ppb	46.67	24.75	3600	
Ba	137	115	2	10.70	10.70	3.62	ppb	2153.67	2.84	3600	
W	182	165	2	0.03	0.03	80.48	ppb	913.45	17.70	3600	
Pt	195	165	2	0.00	0.00	452.63	ppb	60.00	57.74	3600	
Tl	205	165	2	0.00	0.00	253.93	ppb	160.02	62.50	3600	
Pb	208	165	2	0.20	0.20	7.12	ppb	3140.46	5.52	3600	
Th	232	165	2	0.15	0.15	41.60	ppb	1760.27	35.01	3600	
U	238	165	2	0.02	0.02	48.85	ppb	253.36	37.31	3600	

QC ISTD Table

Element	m/z	Tune Step	CPS	%RSD	Ref CPS	%Rec	Lower Limit	Upper Limit	QC Flag
Li6	6	1	842748	1.48	1785568	47.2	60	125	IS Main Failed
Sc (IS)	45	2	595402	0.63	1044004	57.0	60	125	IS Main Failed
Ge (IS)	72	1	12510039	0.44	25160288	49.7	60	125	IS Main Failed
Ge (IS)	72	2	883985	0.07	1449538	61.0	60	125	
115In	115	2	2873591	0.75	4071130	70.6	60	125	
Ho-165	165	2	19653756	0.63	25018358	78.6	60	125	

TuneStep	TuneFile	TuneDate
1	h2_hmi.u	5/2/2012 8:35:00 PM
2	he_hmi.u	5/2/2012 8:35:00 PM

Sample Report

Sample Name	280-28293-A-11-B
Data File Name	183SMPL.D
DataPath	d:\DATA\050212.B
Acq Date Time	2012-05-02T20:40:03-06:00
Type	Sample
VialNumber	3308
Dilution	1
Comment	17691 6020
Operator	LMT
ISTDRefDataFileName	121CALB.D
SamplePassFail	Fail
ISTD PassFail	Pass

QC Analyte Table

Element	m/z	ISTD	Tune Step	Meas Value	FinalConc	%RSD	Units	CPS	CPS%RSD	High Value	QC Flag
Be	9	6	1	0.07	0.07	63.47	ppb	13.33	57.28	3600	
Na	23	45	2	2937534.80	2937534.80	0.76	ppb	416827847.12	2.45	1800000	Sample Main Failed
Mg	24	45	2	83732.40	83732.40	1.18	ppb	4830066.70	2.98	450000	
Al	27	45	2	1520.40	1520.40	7.26	ppb	16255.23	9.85	450000	
K	39	45	2	16451.36	16451.36	1.40	ppb	400989.19	2.97	180000	
Ca	44	45	2	560506.68	560506.68	1.16	ppb	751420.80	3.21	450000	Sample Main Failed
V	51	72	2	36.28	36.28	5.70	ppb	22864.81	6.87	3600	
Cr	52	72	2	2.94	2.94	17.27	ppb	2780.50	17.64	3600	
Mn	55	72	2	20.71	20.71	4.66	ppb	6174.92	5.24	3600	
Fe	57	72	2	1207.93	1207.93	4.03	ppb	21914.92	5.18	90000	
Co	59	72	2	0.56	0.56	9.86	ppb	1066.79	10.99	3600	
Ni	60	72	2	2.53	2.53	17.62	ppb	1480.20	15.93	3600	
Cu	63	72	2	1.03	1.03	9.71	ppb	2593.75	7.33	3600	
Zn	66	72	2	5.81	5.81	29.26	ppb	1026.78	26.31	3600	
As	75	72	2	10.10	10.10	9.77	ppb	756.72	8.80	3600	
Se	78	72	1	36.56	36.56	5.00	ppb	9246.51	5.14	3600	
Nb	93	72	2	0.21	0.21	23.31	ppb	593.41	18.57	7200	
Mo	95	115	2	128.08	128.08	2.62	ppb	91145.22	2.94	3600	
Pd	105	115	2	0.03	0.03	107.84	ppb	46.67	107.86	3600	
Ag	107	115	2	0.12	0.12	19.46	ppb	373.37	18.82	900	
Cd	111	115	2	0.02	0.02	420.75	ppb	26.67	86.60	3600	
Sn	120	115	2	0.05	0.05	99.17	ppb	153.35	19.93	3600	
Sb	121	115	2	0.13	0.13	87.36	ppb	106.68	47.19	3600	
Ba	137	115	2	11.41	11.41	6.18	ppb	1713.58	6.43	3600	
W	182	165	2	0.06	0.06	86.59	ppb	700.08	27.26	3600	
Pt	195	165	2	0.03	0.03	19.16	ppb	140.01	14.29	3600	
Tl	205	165	2	0.01	0.01	124.70	ppb	153.35	58.82	3600	
Pb	208	165	2	0.40	0.40	8.05	ppb	3653.87	6.60	3600	
Th	232	165	2	0.51	0.51	6.94	ppb	3767.54	6.29	3600	
U	238	165	2	9.45	9.45	1.08	ppb	81983.02	1.57	3600	

QC ISTD Table

Element	m/z	Tune Step	CPS	%RSD	Ref CPS	%Rec	Lower Limit	Upper Limit	QC Flag
Li6	6	1	669393	0.63	1785568	37.5	60	125	IS Main Failed
Sc (IS)	45	2	573882	2.86	1044004	55.0	60	125	IS Main Failed
Ge (IS)	72	1	7614327	0.15	25160288	30.3	60	125	IS Main Failed
Ge (IS)	72	2	683928	1.14	1449538	47.2	60	125	IS Main Failed
115In	115	2	2145086	0.35	4071130	52.7	60	125	IS Main Failed
Ho-165	165	2	13279662	0.59	25018358	53.1	60	125	IS Main Failed

TuneStep	TuneFile	TuneDate
1	h2_hmi.u	5/2/2012 8:38:00 PM
2	he_hmi.u	5/2/2012 8:38:00 PM

Sample Report

Sample Name	280-28293-A-12-B
Data File Name	184SMPL.D
DataPath	d:\DATA\050212.B
Acq Date Time	2012-05-02T20:43:02-06:00
Type	Sample
VialNumber	3309
Dilution	1
Comment	17691 6020
Operator	LMT
ISTDRefDataFileName	121CALB.D
SamplePassFail	Fail
ISTD PassFail	Pass

QC Analyte Table

Element	m/z	ISTD	Tune Step	Meas Value	FinalConc	%RSD	Units	CPS	CPS%RSD	High Value	QC Flag
Be	9	6	1	0.05	0.05	90.61	ppb	13.33	78.06	3600	
Na	23	45	2	2248774.09	2248774.09	1.40	ppb	383139220.96	1.94	1800000	Sample Main Failed
Mg	24	45	2	262322.31	262322.31	0.50	ppb	18168273.06	2.00	450000	
Al	27	45	2	463.36	463.36	12.31	ppb	5961.68	13.96	450000	
K	39	45	2	21885.25	21885.25	1.11	ppb	640182.66	3.04	180000	
Ca	44	45	2	561195.08	561195.08	1.63	ppb	903411.16	3.26	450000	Sample Main Failed
V	51	72	2	20.64	20.64	8.95	ppb	15096.86	7.29	3600	
Cr	52	72	2	0.82	0.82	8.32	ppb	966.77	9.33	3600	
Mn	55	72	2	9.54	9.54	19.25	ppb	3320.63	17.96	3600	
Fe	57	72	2	371.26	371.26	6.32	ppb	7875.82	8.04	90000	
Co	59	72	2	0.43	0.43	17.94	ppb	946.77	19.17	3600	
Ni	60	72	2	25.48	25.48	3.13	ppb	16422.14	1.86	3600	
Cu	63	72	2	0.68	0.68	12.39	ppb	2347.02	7.69	3600	
Zn	66	72	2	1.72	1.72	66.60	ppb	466.71	41.62	3600	
As	75	72	2	20.67	20.67	5.56	ppb	1800.17	6.83	3600	
Se	78	72	1	80.74	80.74	1.17	ppb	25638.43	1.52	3600	
Nb	93	72	2	0.18	0.18	23.03	ppb	606.74	16.26	7200	
Mo	95	115	2	41.18	41.18	2.75	ppb	32158.65	1.63	3600	
Pd	105	115	2	0.04	0.04	77.13	ppb	53.34	78.07	3600	
Ag	107	115	2	0.06	0.06	24.35	ppb	233.36	21.57	900	
Cd	111	115	2	0.03	0.03	227.37	ppb	33.34	69.29	3600	
Sn	120	115	2	0.02	0.02	1027.22	ppb	146.68	79.90	3600	
Sb	121	115	2	-0.03	-0.03	-293.02	ppb	40.00	100.00	3600	
Ba	137	115	2	9.77	9.77	5.84	ppb	1613.55	6.24	3600	
W	182	165	2	0.05	0.05	142.03	ppb	760.10	41.78	3600	
Pt	195	165	2	0.01	0.01	251.90	ppb	66.67	105.35	3600	
Tl	205	165	2	0.00	0.00	243.35	ppb	113.35	50.94	3600	
Pb	208	165	2	0.20	0.20	17.16	ppb	2353.66	12.21	3600	
Th	232	165	2	0.20	0.20	11.10	ppb	1713.58	11.03	3600	
U	238	165	2	65.46	65.46	1.53	ppb	626029.80	2.17	3600	

QC ISTD Table

Element	m/z	Tune Step	CPS	%RSD	Ref CPS	%Rec	Lower Limit	Upper Limit	QC Flag
Li6	6	1	926016	1.72	1785568	51.9	60	125	IS Main Failed
Sc (IS)	45	2	689048	2.07	1044004	66.0	60	125	
Ge (IS)	72	1	9562582	0.83	25160288	38.0	60	125	IS Main Failed
Ge (IS)	72	2	793972	1.84	1449538	54.8	60	125	IS Main Failed
115In	115	2	2353618	1.20	4071130	57.8	60	125	IS Main Failed
Ho-165	165	2	14642623	1.31	25018358	58.5	60	125	IS Main Failed

TuneStep	TuneFile	TuneDate
1	h2_hmi.u	5/2/2012 8:41:00 PM
2	he_hmi.u	5/2/2012 8:41:00 PM

Sample Report

Sample Name	280-28293-A-13-A
Data File Name	185SMPL.D
DataPath	d:\DATA\050212.B
Acq Date Time	2012-05-02T20:46:01-06:00
Type	Sample
VialNumber	3310
Dilution	1
Comment	17691 6020
Operator	LMT
ISTDRefDataFileName	121CALB.D
SamplePassFail	Fail
ISTD PassFail	Pass

QC Analyte Table

Element	m/z	ISTD	Tune Step	Meas Value	FinalConc	%RSD	Units	CPS	CPS%RSD	High Value	QC Flag
Be	9	6	1	0.01	0.01	156.06	ppb	5.00	100.00	3600	
Na	23	45	2	4046809.66	4046809.66	0.96	ppb	726189775.84	3.25	1800000	Sample Main Failed
Mg	24	45	2	56779.15	56779.15	1.18	ppb	4141366.40	2.75	450000	
Al	27	45	2	655.52	655.52	5.60	ppb	8863.20	6.67	450000	
K	39	45	2	14619.13	14619.13	2.59	ppb	450761.01	4.14	180000	
Ca	44	45	2	505735.39	505735.39	0.41	ppb	857345.43	3.25	450000	Sample Main Failed
V	51	72	2	23.45	23.45	5.67	ppb	16897.70	4.91	3600	
Cr	52	72	2	2.23	2.23	5.86	ppb	2433.71	4.22	3600	
Mn	55	72	2	9.63	9.63	10.00	ppb	3313.90	12.08	3600	
Fe	57	72	2	387.92	387.92	12.01	ppb	8102.98	13.06	90000	
Co	59	72	2	0.17	0.17	13.71	ppb	373.38	11.15	3600	
Ni	60	72	2	6.12	6.12	1.93	ppb	3960.78	4.04	3600	
Cu	63	72	2	0.37	0.37	57.38	ppb	1733.58	22.91	3600	
Zn	66	72	2	1.75	1.75	29.56	ppb	466.71	21.14	3600	
As	75	72	2	44.97	44.97	10.21	ppb	3853.91	9.31	3600	
Se	78	72	1	26.47	26.47	1.33	ppb	7927.21	1.33	3600	
Nb	93	72	2	0.08	0.08	87.31	ppb	373.37	45.56	7200	
Mo	95	115	2	180.30	180.30	1.22	ppb	132728.71	2.02	3600	
Pd	105	115	2	0.06	0.06	28.35	ppb	86.67	26.65	3600	
Ag	107	115	2	0.09	0.09	13.74	ppb	306.70	9.96	900	
Cd	111	115	2	0.15	0.15	145.79	ppb	66.67	96.44	3600	
Sn	120	115	2	0.06	0.06	127.02	ppb	166.68	30.20	3600	
Sb	121	115	2	0.07	0.07	121.63	ppb	80.01	43.30	3600	
Ba	137	115	2	11.34	11.34	27.69	ppb	1753.59	24.40	3600	
W	182	165	2	0.05	0.05	176.20	ppb	680.08	53.51	3600	
Pt	195	165	2	0.01	0.01	44.71	ppb	86.68	26.64	3600	
Tl	205	165	2	0.01	0.01	134.16	ppb	166.68	70.31	3600	
Pb	208	165	2	0.44	0.44	11.88	ppb	3893.90	8.06	3600	
Th	232	165	2	0.51	0.51	9.58	ppb	3727.46	8.43	3600	
U	238	165	2	2.88	2.88	2.53	ppb	24801.52	2.71	3600	

QC ISTD Table

Element	m/z	Tune Step	CPS	%RSD	Ref CPS	%Rec	Lower Limit	Upper Limit	QC Flag
Li6	6	1	932619	1.57	1785568	52.2	60	125	IS Main Failed
Sc (IS)	45	2	725746	3.44	1044004	69.5	60	125	
Ge (IS)	72	1	9013648	1.13	25160288	35.8	60	125	IS Main Failed
Ge (IS)	72	2	782093	2.43	1449538	54.0	60	125	IS Main Failed
115In	115	2	2219646	2.86	4071130	54.5	60	125	IS Main Failed
Ho-165	165	2	13188290	1.89	25018358	52.7	60	125	IS Main Failed

TuneStep	TuneFile	TuneDate
1	h2_hmi.u	5/2/2012 8:44:00 PM
2	he_hmi.u	5/2/2012 8:44:00 PM

Sample Report

Sample Name	280-28293-A-14-A
Data File Name	186SMPL.D
DataPath	d:\DATA\050212.B
Acq Date Time	2012-05-02T20:49:04-06:00
Type	Sample
VialNumber	3311
Dilution	1
Comment	17691 6020
Operator	LMT
ISTDRefDataFileName	121CALB.D
SamplePassFail	Pass
ISTD PassFail	Pass

QC Analyte Table

Element	m/z	ISTD	Tune Step	Meas Value	FinalConc	%RSD	Units	CPS	CPS %RSD	High Value	QC Flag
Be	9	6	1	0.01	0.01	221.26	ppb	6.67	114.56	3600	
Na	23	45	2	1841.44	1841.44	12.44	ppb	469253.32	12.08	1800000	
Mg	24	45	2	23.39	23.39	16.93	ppb	2560.44	15.37	450000	
Al	27	45	2	0.48	0.48	355.35	ppb	33.34	91.66	450000	
K	39	45	2	-3.97	-3.97	-275.68	ppb	1573.53	28.32	180000	
Ca	44	45	2	184.25	184.25	26.83	ppb	453.38	24.30	450000	
V	51	72	2	-0.07	-0.07	-300.18	ppb	-24.39	-1066.54	3600	
Cr	52	72	2	0.12	0.12	15.73	ppb	380.03	9.12	3600	
Mn	55	72	2	0.09	0.09	56.64	ppb	133.35	22.91	3600	
Fe	57	72	2	5.26	5.26	71.62	ppb	313.36	42.50	90000	
Co	59	72	2	0.01	0.01	65.69	ppb	46.67	65.48	3600	
Ni	60	72	2	-0.04	-0.04	-259.59	ppb	126.68	79.47	3600	
Cu	63	72	2	0.12	0.12	82.72	ppb	2166.98	14.72	3600	
Zn	66	72	2	1.43	1.43	78.45	ppb	700.09	47.73	3600	
As	75	72	2	0.11	0.11	69.24	ppb	16.67	69.28	3600	
Se	78	72	1	0.08	0.08	39.50	ppb	70.67	31.17	3600	
Nb	93	72	2	-0.05	-0.05	-47.51	ppb	86.67	113.84	7200	
Mo	95	115	2	0.12	0.12	61.55	ppb	186.69	53.93	3600	
Pd	105	115	2	0.00	0.00	173.21	ppb	6.67	173.21	3600	
Ag	107	115	2	0.04	0.04	41.22	ppb	240.03	36.33	900	
Cd	111	115	2	0.05	0.05	225.63	ppb	66.67	96.44	3600	
Sn	120	115	2	0.01	0.01	289.68	ppb	233.36	13.10	3600	
Sb	121	115	2	-0.11	-0.11	-14.08	ppb	6.67	173.21	3600	
Ba	137	115	2	-0.07	-0.07	-62.19	ppb	13.33	86.60	3600	
W	182	165	2	0.07	0.07	41.02	ppb	1386.86	15.29	3600	
Pt	195	165	2	0.01	0.01	23.86	ppb	113.34	10.19	3600	
Tl	205	165	2	0.00	0.00	-227.08	ppb	126.69	39.73	3600	
Pb	208	165	2	0.00	0.00	386.23	ppb	1293.48	17.38	3600	
Th	232	165	2	-0.01	-0.01	-189.20	ppb	233.36	76.83	3600	
U	238	165	2	0.00	0.00	109.87	ppb	120.01	44.10	3600	

QC ISTD Table

Element	m/z	Tune Step	CPS	%RSD	Ref CPS	%Rec	Lower Limit	Upper Limit	QC Flag
Li6	6	1	1682030	1.28	1785568	94.2	60	125	
Sc (IS)	45	2	967728	0.44	1044004	92.7	60	125	
Ge (IS)	72	1	21341496	0.28	25160288	84.8	60	125	
Ge (IS)	72	2	1331856	0.24	1449538	91.9	60	125	
115In	115	2	3878459	1.04	4071130	95.3	60	125	
Ho-165	165	2	24431455	1.02	25018358	97.7	60	125	

TuneStep	TuneFile	TuneDate
1	h2_hmi.u	5/2/2012 8:47:00 PM
2	he_hmi.u	5/2/2012 8:47:00 PM

Sample Report

Sample Name	280-28293-A-15-A
Data File Name	187SMPL.D
DataPath	d:\DATA\050212.B
Acq Date Time	2012-05-02T20:52:03-06:00
Type	Sample
VialNumber	3312
Dilution	1
Comment	17691 6020
Operator	LMT
ISTDRefDataFileName	121CALB.D
SamplePassFail	Pass
ISTD PassFail	Pass

QC Analyte Table

Element	m/z	ISTD	Tune Step	Meas Value	FinalConc	%RSD	Units	CPS	CPS %RSD	High Value	QC Flag
Be	9	6	1	-0.01	-0.01	0.00	ppb	0.00	#DIV/0!	3600	
Na	23	45	2	1067.61	1067.61	2.85	ppb	283471.83	2.44	1800000	
Mg	24	45	2	48.97	48.97	13.74	ppb	5041.14	13.35	450000	
Al	27	45	2	4.20	4.20	70.73	ppb	100.01	52.92	450000	
K	39	45	2	1.44	1.44	126.14	ppb	1793.57	4.51	180000	
Ca	44	45	2	530.44	530.44	21.87	ppb	1233.49	20.85	450000	
V	51	72	2	-0.02	-0.02	-1107.01	ppb	38.68	654.15	3600	
Cr	52	72	2	2.22	2.22	4.95	ppb	4107.47	4.20	3600	
Mn	55	72	2	0.38	0.38	23.66	ppb	300.03	17.64	3600	
Fe	57	72	2	14.80	14.80	27.50	ppb	646.74	22.37	90000	
Co	59	72	2	0.02	0.02	66.37	ppb	80.01	66.15	3600	
Ni	60	72	2	1.65	1.65	3.97	ppb	1926.94	4.19	3600	
Cu	63	72	2	0.39	0.39	16.90	ppb	3007.20	6.73	3600	
Zn	66	72	2	3.37	3.37	17.46	ppb	1266.82	13.43	3600	
As	75	72	2	0.18	0.18	22.12	ppb	26.67	21.65	3600	
Se	78	72	1	0.04	0.04	17.55	ppb	46.67	13.09	3600	
Nb	93	72	2	-0.01	-0.01	-132.08	ppb	246.69	24.77	7200	
Mo	95	115	2	0.11	0.11	63.70	ppb	166.69	54.11	3600	
Pd	105	115	2	0.00	0.00	173.21	ppb	6.67	173.21	3600	
Ag	107	115	2	0.01	0.01	86.23	ppb	113.35	61.98	900	
Cd	111	115	2	0.24	0.24	32.48	ppb	166.69	24.98	3600	
Sn	120	115	2	-0.06	-0.06	-99.16	ppb	153.35	45.81	3600	
Sb	121	115	2	-0.11	-0.11	-13.84	ppb	6.67	173.21	3600	
Ba	137	115	2	0.30	0.30	99.70	ppb	113.35	71.32	3600	
W	182	165	2	0.04	0.04	30.76	ppb	1153.47	7.22	3600	
Pt	195	165	2	0.00	0.00	1202.49	ppb	73.34	128.89	3600	
Tl	205	165	2	-0.01	-0.01	-72.05	ppb	93.34	44.61	3600	
Pb	208	165	2	0.08	0.08	15.32	ppb	2406.95	7.45	3600	
Th	232	165	2	0.00	0.00	-6300.87	ppb	326.70	33.72	3600	
U	238	165	2	0.01	0.01	12.32	ppb	313.37	9.75	3600	

QC ISTD Table

Element	m/z	Tune Step	CPS	%RSD	Ref CPS	%Rec	Lower Limit	Upper Limit	QC Flag
Li6	6	1	1651739	4.72	1785568	92.5	60	125	
Sc (IS)	45	2	966187	0.44	1044004	92.5	60	125	
Ge (IS)	72	1	21938028	4.81	25160288	87.2	60	125	
Ge (IS)	72	2	1326247	0.57	1449538	91.5	60	125	
115In	115	2	3912417	0.23	4071130	96.1	60	125	
Ho-165	165	2	24678690	0.76	25018358	98.6	60	125	

TuneStep	TuneFile	TuneDate
1	h2_hmi.u	5/2/2012 8:50:00 PM
2	he_hmi.u	5/2/2012 8:50:00 PM

Sample Report

Sample Name	280-28293-E-21-A
Data File Name	188SMPL.D
DataPath	d:\DATA\050212.B
Acq Date Time	2012-05-02T20:55:02-06:00
Type	Sample
VialNumber	3401
Dilution	1
Comment	17691 6020
Operator	LMT
ISTDRefDataFileName	121CALB.D
SamplePassFail	Pass
ISTD PassFail	Pass

QC Analyte Table

Element	m/z	ISTD	Tune Step	Meas Value	FinalConc	%RSD	Units	CPS	CPS %RSD	High Value	QC Flag
Be	9	6	1	0.01	0.01	200.98	ppb	6.67	114.56	3600	
Na	23	45	2	418.63	418.63	1.83	ppb	125172.12	2.08	1800000	
Mg	24	45	2	4.82	4.82	44.76	ppb	733.42	28.65	450000	
Al	27	45	2	0.16	0.16	1096.01	ppb	26.67	114.57	450000	
K	39	45	2	-4.26	-4.26	-44.68	ppb	1520.20	4.56	180000	
Ca	44	45	2	65.26	65.26	54.69	ppb	180.02	44.45	450000	
V	51	72	2	0.02	0.02	432.26	ppb	86.70	129.28	3600	
Cr	52	72	2	0.08	0.08	50.01	ppb	300.03	24.04	3600	
Mn	55	72	2	0.12	0.12	72.80	ppb	146.68	34.32	3600	
Fe	57	72	2	4.18	4.18	109.93	ppb	266.70	58.26	90000	
Co	59	72	2	0.01	0.01	65.97	ppb	46.67	65.47	3600	
Ni	60	72	2	0.02	0.02	271.95	ppb	180.02	29.40	3600	
Cu	63	72	2	-0.01	-0.01	-160.73	ppb	1686.89	3.62	3600	
Zn	66	72	2	1.16	1.16	70.21	ppb	600.06	38.44	3600	
As	75	72	2	0.05	0.05	173.21	ppb	6.67	173.21	3600	
Se	78	72	1	0.04	0.04	105.59	ppb	38.67	66.51	3600	
Nb	93	72	2	0.02	0.02	365.87	ppb	353.37	69.17	7200	
Mo	95	115	2	0.01	0.01	243.04	ppb	40.00	86.60	3600	
Pd	105	115	2	0.00	0.00	#DIV/0!	ppb	0.00	#DIV/0!	3600	
Ag	107	115	2	0.00	0.00	249.39	ppb	40.00	50.01	900	
Cd	111	115	2	0.05	0.05	147.50	ppb	66.67	62.45	3600	
Sn	120	115	2	0.01	0.01	139.07	ppb	240.03	8.34	3600	
Sb	121	115	2	-0.09	-0.09	-29.06	ppb	20.00	100.00	3600	
Ba	137	115	2	-0.07	-0.07	-122.60	ppb	13.33	173.21	3600	
W	182	165	2	0.02	0.02	142.06	ppb	1060.15	22.95	3600	
Pt	195	165	2	0.00	0.00	4986.13	ppb	66.68	91.65	3600	
Tl	205	165	2	0.00	0.00	-365.81	ppb	140.02	28.57	3600	
Pb	208	165	2	0.04	0.04	47.78	ppb	1826.89	14.70	3600	
Th	232	165	2	0.00	0.00	-318.57	ppb	300.03	29.06	3600	
U	238	165	2	0.00	0.00	445.32	ppb	80.01	43.30	3600	

QC ISTD Table

Element	m/z	Tune Step	CPS	%RSD	Ref CPS	%Rec	Lower Limit	Upper Limit	QC Flag
Li6	6	1	1505904	0.85	1785568	84.3	60	125	
Sc (IS)	45	2	941612	0.88	1044004	90.2	60	125	
Ge (IS)	72	1	20653535	0.48	25160288	82.1	60	125	
Ge (IS)	72	2	1294271	0.55	1449538	89.3	60	125	
115In	115	2	3908391	1.07	4071130	96.0	60	125	
Ho-165	165	2	24565049	0.62	25018358	98.2	60	125	

TuneStep	TuneFile	TuneDate
1	h2_hmi.u	5/2/2012 8:53:00 PM
2	he_hmi.u	5/2/2012 8:53:00 PM

Continuing Calibration Verification (CCV) - US EPA Method 6020

Sample Name	ccv-1394868
Data File Name	1896CCV.D
DataPath	d:\DATA\050212.B
Acq Date Time	2012-05-02T20:58:00-06:00
Type	6-CCV
VialNumber	1106
Dilution	1
Comment	
Operator	LMT
ISTDRefDataFileName	121CALB.D
SamplePassFail	Pass
ISTD PassFail	Pass

QC Analyte Table

Element	m/z	ISTD	Tune Step	Meas Value	%RSD	Units	CPS	CPS%RSD	Exp Value	%Rec	QC Low	QC High	QC Flag
Be	9	6	1	52.09	2.85	ppb	21974.58	2.40	50	104.2	90	110	
Na	23	45	2	5405.81	2.26	ppb	1259468.86	1.79	5000	108.1	90	110	
Mg	24	45	2	5030.95	0.23	ppb	466510.88	0.40	5000	100.6	90	110	
Al	27	45	2	5096.49	2.31	ppb	87387.53	2.80	5000	101.9	90	110	
K	39	45	2	5061.01	2.96	ppb	199318.65	2.35	5000	101.2	90	110	
Ca	44	45	2	5197.44	4.05	ppb	11230.92	4.65	5000	103.9	90	110	
V	51	72	2	50.86	0.89	ppb	59693.42	1.19	50	101.7	90	110	
Cr	52	72	2	49.87	0.92	ppb	85525.06	0.92	50	99.7	90	110	
Mn	55	72	2	51.84	5.79	ppb	28684.60	5.69	50	103.7	90	110	
Fe	57	72	2	5151.34	1.25	ppb	173724.13	1.54	5000	103.0	90	110	
Co	59	72	2	49.49	0.72	ppb	175254.39	0.43	50	99.0	90	110	
Ni	60	72	2	49.61	1.48	ppb	51208.54	1.80	50	99.2	90	110	
Cu	63	72	2	51.44	0.89	ppb	157536.58	0.57	50	102.9	90	110	
Zn	66	72	2	49.68	1.82	ppb	14346.75	1.40	50	99.4	90	110	
As	75	72	2	51.58	1.56	ppb	7208.42	1.16	50	103.2	90	110	
Se	78	72	1	47.46	1.09	ppb	32782.08	0.67	50	94.9	90	110	
Nb	93	72	2	101.09	0.80	ppb	398578.44	0.42	100	101.1	90	110	
Mo	95	115	2	47.18	2.18	ppb	58975.30	1.39	50	94.4	90	110	
Pd	105	115	2	48.99	2.77	ppb	118362.32	2.05	50	98.0	90	110	
Ag	107	115	2	49.46	1.73	ppb	267222.64	0.87	50	98.9	90	110	
Cd	111	115	2	47.56	4.76	ppb	24606.16	4.30	50	95.1	90	110	
Sn	120	115	2	49.75	1.40	ppb	58683.58	1.75	50	99.5	90	110	
Sb	121	115	2	49.45	5.57	ppb	37202.93	5.87	50	98.9	90	110	
Ba	137	115	2	49.63	7.74	ppb	12986.24	7.20	50	99.3	90	110	
W	182	165	2	49.34	0.88	ppb	349098.50	0.62	50	98.7	90	110	
Pt	195	165	2	48.75	1.22	ppb	311447.08	0.79	50	97.5	90	110	
Tl	205	165	2	51.18	1.22	ppb	544335.68	0.98	50	102.4	90	110	
Pb	208	165	2	51.16	0.34	ppb	684124.56	0.16	50	102.3	90	110	
Th	232	165	2	51.97	0.74	ppb	655069.45	1.05	50	103.9	90	110	
U	238	165	2	52.23	0.49	ppb	817693.76	0.92	50	104.5	90	110	

QC ISTD Table

Element	m/z	Tune Step	CPS	%RSD	Ref CPS	%Rec	QC Low	QC High	QC Flag
Li6	6	1	1529044	0.48	1785568	85.6	60	125	
Sc (IS)	45	2	922001	0.60	1044004	88.3	60	125	
Ge (IS)	72	1	20797952	0.45	25160288	82.7	60	125	
Ge (IS)	72	2	1274592	0.40	1449538	87.9	60	125	
115In	115	2	3767847	0.88	4071130	92.6	60	125	
Ho-165	165	2	23970282	0.43	25018358	95.8	60	125	

TuneStep	TuneFile
1	h2_hmi.u
2	he_hmi.u

Continuing Calibration Blank (CCB) - US EPA Method 6020

Sample Name	ccb-1394903
Data File Name	1906CCB.D
DataPath	d:\DATA\050212.B
Acq Date Time	2012-05-02T21:00:58-06:00
Type	6-CCB
VialNumber	1306
Dilution	1
Comment	
Operator	LMT
ISTDRefDataFileName	121CALB.D
SamplePassFail	Fail
ISTD PassFail	Pass

QC Analyte Table

Element	m/z	ISTD	Tune Step	Meas Value	%RSD	Units	CPS	CPS %RSD	QC High	QC Flag
Be	9	6	1	0.00	666.43	ppb	3.33	86.60	1	
Na	23	45	2	212.06	6.28	ppb	73862.31	3.63	20	6-CCB Main Failed
Mg	24	45	2	2.37	8.52	ppb	480.04	4.17	20	
Al	27	45	2	2.20	53.69	ppb	60.01	33.34	20	
K	39	45	2	1.06	487.83	ppb	1660.23	11.49	20	
Ca	44	45	2	27.89	103.91	ppb	93.34	65.47	20	6-CCB Main Failed
V	51	72	2	-0.01	-646.07	ppb	43.94	224.49	1	
Cr	52	72	2	-0.02	-131.95	ppb	120.01	33.33	1	
Mn	55	72	2	-0.11	-18.60	ppb	13.33	86.60	1	
Fe	57	72	2	1.17	223.11	ppb	160.02	54.49	20	
Co	59	72	2	0.01	100.04	ppb	20.00	100.00	1	
Ni	60	72	2	-0.02	-615.06	ppb	140.01	71.43	1	
Cu	63	72	2	-0.08	-125.44	ppb	1440.19	21.38	1	
Zn	66	72	2	0.16	108.36	ppb	306.70	16.41	5	
As	75	72	2	0.14	99.96	ppb	20.00	100.00	5	
Se	78	72	1	0.05	6.17	ppb	50.67	4.56	5	
Nb	93	72	2	0.82	17.96	ppb	3453.98	16.40	5	
Mo	95	115	2	0.02	50.80	ppb	46.67	24.74	1	
Pd	105	115	2	0.05	43.51	ppb	120.01	44.10	1	
Ag	107	115	2	0.05	35.91	ppb	320.03	33.07	1	
Cd	111	115	2	0.07	207.67	ppb	73.34	103.26	1	
Sn	120	115	2	0.16	32.40	ppb	400.04	15.00	5	
Sb	121	115	2	0.09	73.02	ppb	153.35	32.83	0.2	
Ba	137	115	2	-0.12	0.00	ppb	0.00	#DIV/0!	1	
W	182	165	2	0.07	41.34	ppb	1360.19	14.93	1	
Pt	195	165	2	0.01	17.12	ppb	133.35	8.66	1	
Tl	205	165	2	0.03	33.68	ppb	486.72	23.37	1	
Pb	208	165	2	0.02	50.94	ppb	1520.19	10.28	1	
Th	232	165	2	0.21	19.59	ppb	2907.21	17.49	1	
U	238	165	2	0.03	10.83	ppb	466.74	8.93	1	

QC ISTD Table

Element	m/z	Tune Step	CPS	%RSD	Ref CPS	%Rec	QC Low	QC High	QC Flag
Li6	6	1	1508860	1.40	1785568	84.5	60	125	
Sc (IS)	45	2	902552	0.73	1044004	86.5	60	125	
Ge (IS)	72	1	20288437	0.20	25160288	80.6	60	125	
Ge (IS)	72	2	1259753	0.14	1449538	86.9	60	125	
115In	115	2	3754834	1.31	4071130	92.2	60	125	
Ho-165	165	2	23763170	0.40	25018358	95.0	60	125	

TuneStep	TuneFile
1	h2_hmi.u
2	he_hmi.u

Sample Report

Sample Name	MB 280-117626/1-B
Data File Name	191SMPL.D
DataPath	d:\DATA\050212.B
Acq Date Time	2012-05-02T21:03:58-06:00
Type	Sample
VialNumber	4202
Dilution	1
Comment	117694 6020
Operator	LMT
ISTDRefDataFileName	121CALB.D
SamplePassFail	Pass
ISTD PassFail	Pass

QC Analyte Table

Element	m/z	ISTD	Tune Step	Meas Value	FinalConc	%RSD	Units	CPS	CPS %RSD	High Value	QC Flag
Be	9	6	1	-0.01	-0.01	0.00	ppb	0.00	#DIV/0!	3600	
Na	23	45	2	108.51	108.51	6.29	ppb	49661.69	1.94	1800000	
Mg	24	45	2	3.32	3.32	56.37	ppb	553.39	28.99	450000	
Al	27	45	2	0.64	0.64	390.98	ppb	33.34	124.90	450000	
K	39	45	2	-3.51	-3.51	-83.20	ppb	1453.51	6.93	180000	
Ca	44	45	2	35.45	35.45	160.70	ppb	106.68	109.87	450000	
V	51	72	2	-0.07	-0.07	-183.87	ppb	-19.47	-723.87	3600	
Cr	52	72	2	-0.04	-0.04	-85.05	ppb	86.67	58.08	3600	
Mn	55	72	2	0.08	0.08	59.20	ppb	113.34	20.38	3600	
Fe	57	72	2	0.29	0.29	1080.49	ppb	126.68	81.03	90000	
Co	59	72	2	0.01	0.01	100.21	ppb	20.00	100.00	3600	
Ni	60	72	2	0.00	0.00	4662.92	ppb	153.35	49.38	3600	
Cu	63	72	2	0.02	0.02	1018.30	ppb	1693.57	35.05	3600	
Zn	66	72	2	-0.10	-0.10	-307.95	ppb	226.69	36.74	3600	
As	75	72	2	0.05	0.05	86.60	ppb	6.67	86.60	3600	
Se	78	72	1	0.02	0.02	34.94	ppb	24.00	16.67	3600	
Nb	93	72	2	0.25	0.25	16.39	ppb	1200.14	12.02	7200	
Mo	95	115	2	0.05	0.05	62.42	ppb	80.01	43.31	3600	
Pd	105	115	2	0.02	0.02	108.05	ppb	46.67	107.86	3600	
Ag	107	115	2	0.03	0.03	18.40	ppb	193.35	15.80	900	
Cd	111	115	2	0.06	0.06	153.84	ppb	66.67	69.29	3600	
Sn	120	115	2	-0.01	-0.01	-326.20	ppb	200.02	20.00	3600	
Sb	121	115	2	-0.06	-0.06	-0.64	ppb	40.00	0.00	3600	
Ba	137	115	2	-0.12	-0.12	0.00	ppb	0.00	#DIV/0!	3600	
W	182	165	2	0.06	0.06	33.24	ppb	1273.49	11.03	3600	
Pt	195	165	2	0.02	0.02	56.03	ppb	166.68	34.64	3600	
Tl	205	165	2	0.02	0.02	14.08	ppb	306.70	7.53	3600	
Pb	208	165	2	0.24	0.24	13.07	ppb	4413.99	9.34	3600	
Th	232	165	2	0.24	0.24	33.71	ppb	3334.01	30.58	3600	
U	238	165	2	0.01	0.01	37.07	ppb	226.69	25.47	3600	

QC ISTD Table

Element	m/z	Tune Step	CPS	%RSD	Ref CPS	%Rec	Lower Limit	Upper Limit	QC Flag
Li6	6	1	1365432	1.20	1785568	76.5	60	125	
Sc (IS)	45	2	883175	1.12	1044004	84.6	60	125	
Ge (IS)	72	1	18776882	0.69	25160288	74.6	60	125	
Ge (IS)	72	2	1221910	0.72	1449538	84.3	60	125	
115In	115	2	3715528	0.73	4071130	91.3	60	125	
Ho-165	165	2	23718365	0.25	25018358	94.8	60	125	

TuneStep	TuneFile	TuneDate
1	h2_hmi.u	5/2/2012 9:02:00 PM
2	he_hmi.u	5/2/2012 9:02:00 PM

Sample Report

Sample Name	LCS 280-117626/2-B
Data File Name	192SMPL.D
DataPath	d:\DATA\050212.B
Acq Date Time	2012-05-02T21:06:58-06:00
Type	Sample
VialNumber	4203
Dilution	1
Comment	117694 6020
Operator	LMT
ISTDRefDataFileName	121CALB.D
SamplePassFail	Pass
ISTD PassFail	Pass

QC Analyte Table

Element	m/z	ISTD	Tune Step	Meas Value	FinalConc	%RSD	Units	CPS	CPS %RSD	High Value	QC Flag
Be	9	6	1	37.79	37.79	2.53	ppb	14072.07	1.49	3600	
Na	23	45	2	52.46	52.46	2.05	ppb	36544.73	1.13	1800000	
Mg	24	45	2	0.08	0.08	1308.00	ppb	260.02	35.25	450000	
Al	27	45	2	0.71	0.71	367.83	ppb	33.33	124.90	450000	
K	39	45	2	3.44	3.44	226.02	ppb	1673.55	16.96	180000	
Ca	44	45	2	-3.17	-3.17	-182.01	ppb	26.67	43.30	450000	
V	51	72	2	40.09	40.09	3.03	ppb	44428.98	2.55	3600	
Cr	52	72	2	39.00	39.00	1.34	ppb	63166.77	1.03	3600	
Mn	55	72	2	40.89	40.89	1.00	ppb	21374.28	1.14	3600	
Fe	57	72	2	1.19	1.19	79.43	ppb	153.36	19.93	90000	
Co	59	72	2	39.35	39.35	0.84	ppb	131584.30	0.92	3600	
Ni	60	72	2	39.92	39.92	1.09	ppb	38931.13	0.81	3600	
Cu	63	72	2	40.18	40.18	0.25	ppb	116522.21	0.28	3600	
Zn	66	72	2	38.66	38.66	2.10	ppb	10597.37	2.39	3600	
As	75	72	2	37.40	37.40	4.46	ppb	4934.23	3.99	3600	
Se	78	72	1	32.38	32.38	2.88	ppb	19975.32	1.36	3600	
Nb	93	72	2	0.14	0.14	36.42	ppb	800.09	24.62	7200	
Mo	95	115	2	36.51	36.51	3.02	ppb	44926.85	3.15	3600	
Pd	105	115	2	0.01	0.01	173.21	ppb	13.33	173.21	3600	
Ag	107	115	2	38.56	38.56	1.25	ppb	205018.40	0.19	900	
Cd	111	115	2	38.09	38.09	1.84	ppb	19398.99	1.50	3600	
Sn	120	115	2	39.78	39.78	3.12	ppb	46204.53	2.29	3600	
Sb	121	115	2	38.92	38.92	3.86	ppb	28819.80	3.28	3600	
Ba	137	115	2	43.44	43.44	1.29	ppb	11191.30	1.05	3600	
W	182	165	2	0.03	0.03	118.97	ppb	1046.81	21.14	3600	
Pt	195	165	2	0.00	0.00	-1379.91	ppb	60.01	66.67	3600	
Tl	205	165	2	41.78	41.78	0.27	ppb	438814.10	0.57	3600	
Pb	208	165	2	41.95	41.95	0.73	ppb	554129.96	0.66	3600	
Th	232	165	2	41.10	41.10	0.67	ppb	511685.32	0.85	3600	
U	238	165	2	43.15	43.15	0.51	ppb	667149.05	0.62	3600	

QC ISTD Table

Element	m/z	Tune Step	CPS	%RSD	Ref CPS	%Rec	Lower Limit	Upper Limit	QC Flag
Li6	6	1	1349772	1.05	1785568	75.6	60	125	
Sc (IS)	45	2	862210	0.73	1044004	82.6	60	125	
Ge (IS)	72	1	18573910	1.56	25160288	73.8	60	125	
Ge (IS)	72	2	1203406	0.50	1449538	83.0	60	125	
115In	115	2	3707841	1.06	4071130	91.1	60	125	
Ho-165	165	2	23669562	0.37	25018358	94.6	60	125	

TuneStep	TuneFile	TuneDate
1	h2_hmi.u	5/2/2012 9:05:00 PM
2	he_hmi.u	5/2/2012 9:05:00 PM

Sample Report

Sample Name	280-28240-G-1-K
Data File Name	193SMPL.D
DataPath	d:\DATA\050212.B
Acq Date Time	2012-05-02T21:09:58-06:00
Type	Sample
VialNumber	4204
Dilution	1
Comment	117694 6020
Operator	LMT
ISTDRefDataFileName	121CALB.D
SamplePassFail	Pass
ISTD PassFail	Pass

QC Analyte Table

Element	m/z	ISTD	Tune Step	Meas Value	FinalConc	%RSD	Units	CPS	CPS %RSD	High Value	QC Flag
Be	9	6	1	0.07	0.07	21.81	ppb	26.67	21.65	3600	
Na	23	45	2	29129.23	29129.23	0.16	ppb	6038480.74	0.32	1800000	
Mg	24	45	2	23918.25	23918.25	1.22	ppb	2007532.94	1.05	450000	
Al	27	45	2	4.64	4.64	31.84	ppb	93.34	24.74	450000	
K	39	45	2	784.97	784.97	3.94	ppb	29265.18	3.76	180000	
Ca	44	45	2	93550.77	93550.77	0.88	ppb	182487.19	0.86	450000	
V	51	72	2	0.81	0.81	6.47	ppb	907.32	5.55	3600	
Cr	52	72	2	0.09	0.09	43.75	ppb	273.36	22.35	3600	
Mn	55	72	2	552.14	552.14	1.32	ppb	272655.71	1.48	3600	
Fe	57	72	2	2.33	2.33	73.79	ppb	180.02	29.40	90000	
Co	59	72	2	0.25	0.25	17.62	ppb	780.09	16.82	3600	
Ni	60	72	2	15.60	15.60	3.81	ppb	14500.37	3.19	3600	
Cu	63	72	2	0.78	0.78	18.44	ppb	3634.06	10.23	3600	
Zn	66	72	2	11.80	11.80	11.54	ppb	3227.29	10.69	3600	
As	75	72	2	0.45	0.45	10.46	ppb	56.67	10.19	3600	
Se	78	72	1	0.20	0.20	8.81	ppb	117.33	8.58	3600	
Nb	93	72	2	0.12	0.12	51.62	ppb	673.41	31.48	7200	
Mo	95	115	2	0.39	0.39	55.33	ppb	473.38	52.49	3600	
Pd	105	115	2	0.00	0.00	173.21	ppb	6.67	173.21	3600	
Ag	107	115	2	0.01	0.01	74.61	ppb	100.01	52.92	900	
Cd	111	115	2	1.12	1.12	44.52	ppb	573.40	41.62	3600	
Sn	120	115	2	0.09	0.09	72.66	ppb	300.03	24.04	3600	
Sb	121	115	2	0.18	0.18	51.41	ppb	206.69	31.11	3600	
Ba	137	115	2	291.81	291.81	4.18	ppb	71346.44	4.36	3600	
W	182	165	2	0.06	0.06	49.16	ppb	1200.16	15.28	3600	
Pt	195	165	2	0.00	0.00	-112.08	ppb	33.34	91.66	3600	
Tl	205	165	2	0.05	0.05	40.01	ppb	673.41	31.76	3600	
Pb	208	165	2	0.03	0.03	49.57	ppb	1586.87	13.36	3600	
Th	232	165	2	1.68	1.68	13.62	ppb	20355.31	13.51	3600	
U	238	165	2	0.21	0.21	5.89	ppb	3200.63	5.96	3600	

QC ISTD Table

Element	m/z	Tune Step	CPS	%RSD	Ref CPS	%Rec	Lower Limit	Upper Limit	QC Flag
Li6	6	1	1205123	2.05	1785568	67.5	60	125	
Sc (IS)	45	2	834939	0.18	1044004	80.0	60	125	
Ge (IS)	72	1	16269465	0.82	25160288	64.7	60	125	
Ge (IS)	72	2	1140313	0.78	1449538	78.7	60	125	
115In	115	2	3526536	0.34	4071130	86.6	60	125	
Ho-165	165	2	22771020	0.21	25018358	91.0	60	125	

TuneStep	TuneFile	TuneDate
1	h2_hmi.u	5/2/2012 9:08:00 PM
2	he_hmi.u	5/2/2012 9:08:00 PM

Sample Report

Sample Name	280-28240-G-1-K sd@5
Data File Name	194SMPL.D
DataPath	d:\DATA\050212.B
Acq Date Time	2012-05-02T21:12:58-06:00
Type	Sample
VialNumber	4205
Dilution	1
Comment	117694 6020
Operator	LMT
ISTDRefDataFileName	121CALB.D
SamplePassFail	Pass
ISTD PassFail	Pass

QC Analyte Table

Element	m/z	ISTD	Tune Step	Meas Value	FinalConc	%RSD	Units	CPS	CPS %RSD	High Value	QC Flag
Be	9	6	1	0.00	0.00	331.94	ppb	3.33	86.60	3600	
Na	23	45	2	5999.34	5999.34	1.76	ppb	1267859.56	1.42	1800000	
Mg	24	45	2	4774.99	4774.99	0.72	ppb	402485.36	0.62	450000	
Al	27	45	2	-0.52	-0.52	-141.48	ppb	13.33	86.60	450000	
K	39	45	2	145.89	145.89	9.43	ppb	6681.76	6.57	180000	
Ca	44	45	2	19209.49	19209.49	2.89	ppb	37634.33	2.38	450000	
V	51	72	2	0.27	0.27	44.26	ppb	342.42	36.47	3600	
Cr	52	72	2	0.01	0.01	423.32	ppb	153.35	39.85	3600	
Mn	55	72	2	106.64	106.64	2.05	ppb	53849.97	2.70	3600	
Fe	57	72	2	8.07	8.07	84.79	ppb	360.04	58.53	90000	
Co	59	72	2	0.08	0.08	20.08	ppb	246.69	20.41	3600	
Ni	60	72	2	3.21	3.21	3.67	ppb	3167.22	3.86	3600	
Cu	63	72	2	0.03	0.03	174.26	ppb	1626.88	6.77	3600	
Zn	66	72	2	3.83	3.83	10.21	ppb	1233.49	7.49	3600	
As	75	72	2	0.29	0.29	42.22	ppb	36.67	41.66	3600	
Se	78	72	1	0.07	0.07	26.87	ppb	52.00	20.35	3600	
Nb	93	72	2	0.01	0.01	178.66	ppb	293.36	21.92	7200	
Mo	95	115	2	0.10	0.10	56.16	ppb	146.68	47.89	3600	
Pd	105	115	2	0.01	0.01	86.62	ppb	13.33	86.60	3600	
Ag	107	115	2	0.00	0.00	5.65	ppb	40.00	0.00	900	
Cd	111	115	2	0.29	0.29	37.09	ppb	180.02	29.40	3600	
Sn	120	115	2	0.21	0.21	50.04	ppb	440.05	27.65	3600	
Sb	121	115	2	0.06	0.06	188.20	ppb	126.68	65.73	3600	
Ba	137	115	2	57.16	57.16	7.96	ppb	14307.12	6.42	3600	
W	182	165	2	0.03	0.03	52.52	ppb	1080.15	12.14	3600	
Pt	195	165	2	0.00	0.00	238.77	ppb	66.68	17.32	3600	
Tl	205	165	2	0.00	0.00	96.61	ppb	193.35	26.03	3600	
Pb	208	165	2	0.02	0.02	88.61	ppb	1413.50	14.25	3600	
Th	232	165	2	0.09	0.09	29.37	ppb	1373.56	23.36	3600	
U	238	165	2	0.05	0.05	17.11	ppb	886.79	15.36	3600	

QC ISTD Table

Element	m/z	Tune Step	CPS	%RSD	Ref CPS	%Rec	Lower Limit	Upper Limit	QC Flag
Li6	6	1	1272542	2.10	1785568	71.3	60	125	
Sc (IS)	45	2	838107	1.08	1044004	80.3	60	125	
Ge (IS)	72	1	17659319	0.30	25160288	70.2	60	125	
Ge (IS)	72	2	1164768	0.72	1449538	80.4	60	125	
115In	115	2	3606868	1.46	4071130	88.6	60	125	
Ho-165	165	2	23207475	0.81	25018358	92.8	60	125	

TuneStep	TuneFile	TuneDate
1	h2_hmi.u	5/2/2012 9:11:00 PM
2	he_hmi.u	5/2/2012 9:11:00 PM

Sample Report

Sample Name	280-28240-G-1-L MS
Data File Name	195SMPL.D
DataPath	d:\DATA\050212.B
Acq Date Time	2012-05-02T21:15:57-06:00
Type	Sample
VialNumber	4206
Dilution	1
Comment	117694 6020
Operator	LMT
ISTDRefDataFileName	121CALB.D
SamplePassFail	Pass
ISTD PassFail	Pass

QC Analyte Table

Element	m/z	ISTD	Tune Step	Meas Value	FinalConc	%RSD	Units	CPS	CPS %RSD	High Value	QC Flag
Be	9	6	1	37.49	37.49	6.60	ppb	11847.26	5.58	3600	
Na	23	45	2	28112.34	28112.34	0.38	ppb	5617921.17	0.64	1800000	
Mg	24	45	2	23271.66	23271.66	1.65	ppb	1882570.86	0.79	450000	
Al	27	45	2	3.97	3.97	66.42	ppb	80.00	50.00	450000	
K	39	45	2	770.95	770.95	6.02	ppb	27729.48	5.71	180000	
Ca	44	45	2	92308.80	92308.80	1.27	ppb	173552.63	0.89	450000	
V	51	72	2	41.73	41.73	4.21	ppb	42570.95	3.80	3600	
Cr	52	72	2	38.50	38.50	5.37	ppb	57406.87	5.03	3600	
Mn	55	72	2	578.23	578.23	0.92	ppb	277432.84	1.31	3600	
Fe	57	72	2	7.30	7.30	9.98	ppb	320.03	6.25	90000	
Co	59	72	2	38.53	38.53	3.64	ppb	118603.02	3.22	3600	
Ni	60	72	2	54.90	54.90	4.04	ppb	49229.36	3.68	3600	
Cu	63	72	2	38.82	38.82	0.98	ppb	103705.67	1.38	3600	
Zn	66	72	2	47.63	47.63	3.19	ppb	11964.99	2.78	3600	
As	75	72	2	35.73	35.73	3.23	ppb	4340.73	2.80	3600	
Se	78	72	1	31.44	31.44	1.68	ppb	16176.79	1.84	3600	
Nb	93	72	2	0.06	0.06	64.87	ppb	466.71	30.41	7200	
Mo	95	115	2	37.17	37.17	2.29	ppb	42633.92	2.27	3600	
Pd	105	115	2	0.01	0.01	173.21	ppb	13.33	173.21	3600	
Ag	107	115	2	36.46	36.46	2.39	ppb	180663.17	1.62	900	
Cd	111	115	2	37.53	37.53	2.43	ppb	17817.30	2.06	3600	
Sn	120	115	2	39.85	39.85	2.91	ppb	43143.41	1.76	3600	
Sb	121	115	2	38.41	38.41	3.83	ppb	26509.07	2.96	3600	
Ba	137	115	2	333.52	333.52	2.91	ppb	79897.75	2.47	3600	
W	182	165	2	0.05	0.05	63.36	ppb	1126.82	17.78	3600	
Pt	195	165	2	0.00	0.00	270.49	ppb	80.01	66.15	3600	
Tl	205	165	2	40.35	40.35	2.13	ppb	406733.21	1.35	3600	
Pb	208	165	2	40.38	40.38	1.01	ppb	511935.32	0.39	3600	
Th	232	165	2	41.63	41.63	1.02	ppb	497340.25	1.04	3600	
U	238	165	2	42.92	42.92	0.69	ppb	636814.20	0.63	3600	

QC ISTD Table

Element	m/z	Tune Step	CPS	%RSD	Ref CPS	%Rec	Lower Limit	Upper Limit	QC Flag
Li6	6	1	1145557	1.02	1785568	64.2	60	125	
Sc (IS)	45	2	804788	0.98	1044004	77.1	60	125	
Ge (IS)	72	1	15487092	0.16	25160288	61.6	60	125	
Ge (IS)	72	2	1107908	0.44	1449538	76.4	60	125	
115In	115	2	3456129	1.20	4071130	84.9	60	125	
Ho-165	165	2	22717299	0.80	25018358	90.8	60	125	

TuneStep	TuneFile	TuneDate
1	h2_hmi.u	5/2/2012 9:14:00 PM
2	he_hmi.u	5/2/2012 9:14:00 PM

Sample Report

Sample Name	280-28240-G-1-M MSD
Data File Name	196SMPL.D
DataPath	d:\DATA\050212.B
Acq Date Time	2012-05-02T21:18:58-06:00
Type	Sample
VialNumber	4207
Dilution	1
Comment	117694 6020
Operator	LMT
ISTDRefDataFileName	121CALB.D
SamplePassFail	Pass
ISTD PassFail	Pass

QC Analyte Table

Element	m/z	ISTD	Tune Step	Meas Value	FinalConc	%RSD	Units	CPS	CPS %RSD	High Value	QC Flag
Be	9	6	1	38.50	38.50	3.53	ppb	11617.04	2.98	3600	
Na	23	45	2	28209.80	28209.80	0.97	ppb	5514541.17	0.64	1800000	
Mg	24	45	2	23669.85	23669.85	1.09	ppb	1873242.26	1.00	450000	
Al	27	45	2	1.36	1.36	99.87	ppb	40.00	50.01	450000	
K	39	45	2	763.26	763.26	1.61	ppb	26868.03	0.67	180000	
Ca	44	45	2	92514.95	92514.95	0.80	ppb	170160.32	0.71	450000	
V	51	72	2	40.85	40.85	2.62	ppb	40698.50	3.91	3600	
Cr	52	72	2	38.93	38.93	5.35	ppb	56677.54	5.43	3600	
Mn	55	72	2	577.68	577.68	3.08	ppb	270500.89	1.92	3600	
Fe	57	72	2	4.31	4.31	107.45	ppb	226.69	57.41	90000	
Co	59	72	2	39.36	39.36	2.54	ppb	118247.18	1.46	3600	
Ni	60	72	2	55.36	55.36	4.53	ppb	48448.69	3.40	3600	
Cu	63	72	2	39.49	39.49	2.66	ppb	102947.01	1.36	3600	
Zn	66	72	2	45.82	45.82	6.87	ppb	11237.85	5.46	3600	
As	75	72	2	36.69	36.69	9.94	ppb	4354.07	10.84	3600	
Se	78	72	1	32.60	32.60	2.45	ppb	16358.30	2.15	3600	
Nb	93	72	2	0.03	0.03	90.20	ppb	340.04	26.96	7200	
Mo	95	115	2	37.28	37.28	1.88	ppb	42460.41	0.83	3600	
Pd	105	115	2	0.00	0.00	#DIV/0!	ppb	0.00	#DIV/0!	3600	
Ag	107	115	2	36.01	36.01	2.36	ppb	177274.15	2.43	900	
Cd	111	115	2	36.25	36.25	6.34	ppb	17089.64	5.24	3600	
Sn	120	115	2	39.74	39.74	0.72	ppb	42749.32	0.70	3600	
Sb	121	115	2	39.68	39.68	4.46	ppb	27196.53	3.29	3600	
Ba	137	115	2	325.48	325.48	1.94	ppb	77446.22	0.85	3600	
W	182	165	2	0.02	0.02	232.76	ppb	920.11	26.09	3600	
Pt	195	165	2	0.00	0.00	349.55	ppb	66.67	34.65	3600	
Tl	205	165	2	40.57	40.57	1.43	ppb	406217.86	1.24	3600	
Pb	208	165	2	41.12	41.12	0.56	ppb	517735.75	0.22	3600	
Th	232	165	2	43.19	43.19	1.41	ppb	512495.44	1.05	3600	
U	238	165	2	43.55	43.55	1.85	ppb	641875.37	1.07	3600	

QC ISTD Table

Element	m/z	Tune Step	CPS	%RSD	Ref CPS	%Rec	Lower Limit	Upper Limit	QC Flag
Li6	6	1	1093680	0.79	1785568	61.3	60	125	
Sc (IS)	45	2	787279	0.91	1044004	75.4	60	125	
Ge (IS)	72	1	15108434	0.46	25160288	60.0	60	125	
Ge (IS)	72	2	1081573	1.52	1449538	74.6	60	125	
115In	115	2	3432887	1.18	4071130	84.3	60	125	
Ho-165	165	2	22565027	0.78	25018358	90.2	60	125	

TuneStep	TuneFile	TuneDate
1	h2_hmi.u	5/2/2012 9:17:00 PM
2	he_hmi.u	5/2/2012 9:17:00 PM

Sample Report

Sample Name	280-28240-G-1-K pds
Data File Name	197SMPL.D
DataPath	d:\DATA\050212.B
Acq Date Time	2012-05-02T21:22:00-06:00
Type	Sample
VialNumber	4208
Dilution	1
Comment	117694 6020
Operator	LMT
ISTDRefDataFileName	121CALB.D
SamplePassFail	Fail
ISTD PassFail	Pass

QC Analyte Table

Element	m/z	ISTD	Tune Step	Meas Value	FinalConc	%RSD	Units	CPS	CPS %RSD	High Value	QC Flag
Be	9	6	1	196.10	196.10	3.62	ppb	57975.99	1.51	3600	
Na	23	45	2	28019.14	28019.14	0.90	ppb	5351327.42	0.18	1800000	
Mg	24	45	2	23722.65	23722.65	1.81	ppb	1834084.24	0.97	450000	
Al	27	45	2	3.80	3.80	141.78	ppb	73.34	103.26	450000	
K	39	45	2	733.52	733.52	4.21	ppb	25278.89	3.44	180000	
Ca	44	45	2	93700.00	93700.00	2.17	ppb	168355.24	1.15	450000	
V	51	72	2	206.55	206.55	2.57	ppb	201103.25	2.41	3600	
Cr	52	72	2	199.65	199.65	1.50	ppb	283865.70	1.21	3600	
Mn	55	72	2	754.99	754.99	0.96	ppb	345982.94	1.16	3600	
Fe	57	72	2	2.80	2.80	66.58	ppb	180.02	29.40	90000	
Co	59	72	2	201.53	201.53	0.36	ppb	592602.46	0.40	3600	
Ni	60	72	2	216.85	216.85	2.08	ppb	185385.80	2.38	3600	
Cu	63	72	2	197.81	197.81	0.25	ppb	498950.47	0.20	3600	
Zn	66	72	2	191.76	191.76	2.73	ppb	45353.54	3.12	3600	
As	75	72	2	190.14	190.14	4.62	ppb	22064.38	4.55	3600	
Se	78	72	1	167.20	167.20	1.98	ppb	81276.73	1.97	3600	
Nb	93	72	2	0.02	0.02	61.17	ppb	300.03	13.33	7200	
Mo	95	115	2	189.82	189.82	1.40	ppb	212864.68	0.44	3600	
Pd	105	115	2	0.01	0.01	173.21	ppb	20.00	173.21	3600	
Ag	107	115	2	131.34	131.34	2.34	ppb	636648.58	2.08	900	
Cd	111	115	2	184.42	184.42	4.89	ppb	85499.85	3.94	3600	
Sn	120	115	2	204.17	204.17	1.36	ppb	215489.93	1.51	3600	
Sb	121	115	2	196.05	196.05	0.12	ppb	132090.92	0.95	3600	
Ba	137	115	2	502.98	502.98	0.54	ppb	117869.71	0.86	3600	
W	182	165	2	0.08	0.08	14.96	ppb	1313.52	6.34	3600	
Pt	195	165	2	0.00	0.00	288.19	ppb	73.34	56.77	3600	
Tl	205	165	2	212.21	212.21	1.23	ppb	2083911.74	0.68	3600	
Pb	208	165	2	210.52	210.52	0.83	ppb	2596107.02	0.42	3600	
Th	232	165	2	223.46	223.46	0.39	ppb	2600614.29	1.10	3600	
U	238	165	2	227.00	227.00	0.65	ppb	3282225.16	0.98	3600	

QC ISTD Table

Element	m/z	Tune Step	CPS	%RSD	Ref CPS	%Rec	Lower Limit	Upper Limit	QC Flag
Li6	6	1	1072073	2.19	1785568	60.0	60	125	
Sc (IS)	45	2	769168	1.07	1044004	73.7	60	125	
Ge (IS)	72	1	14641081	1.05	25160288	58.2	60	125	IS Main Failed
Ge (IS)	72	2	1058260	0.40	1449538	73.0	60	125	
115In	115	2	3380918	1.07	4071130	83.0	60	125	
Ho-165	165	2	22137825	0.73	25018358	88.5	60	125	

TuneStep	TuneFile	TuneDate
1	h2_hmi.u	5/2/2012 9:20:00 PM
2	he_hmi.u	5/2/2012 9:20:00 PM

Sample Report

Sample Name	280-28240-G-2-H
Data File Name	198SMPL.D
DataPath	d:\DATA\050212.B
Acq Date Time	2012-05-02T21:24:58-06:00
Type	Sample
VialNumber	4209
Dilution	1
Comment	117694 6020
Operator	LMT
ISTDRefDataFileName	121CALB.D
SamplePassFail	Fail
ISTD PassFail	Pass

QC Analyte Table

Element	m/z	ISTD	Tune Step	Meas Value	FinalConc	%RSD	Units	CPS	CPS%RSD	High Value	QC Flag
Be	9	6	1	0.26	0.26	43.55	ppb	71.67	42.05	3600	
Na	23	45	2	106119.28	106119.28	1.62	ppb	19313431.80	1.46	1800000	
Mg	24	45	2	84788.39	84788.39	0.21	ppb	6266073.45	0.30	450000	
Al	27	45	2	26.87	26.87	70.46	ppb	386.71	67.51	450000	
K	39	45	2	4544.29	4544.29	3.06	ppb	142858.94	2.90	180000	
Ca	44	45	2	323315.41	323315.41	0.46	ppb	555284.73	0.48	450000	
V	51	72	2	0.07	0.07	487.12	ppb	103.87	272.83	3600	
Cr	52	72	2	0.23	0.23	45.83	ppb	420.05	33.33	3600	
Mn	55	72	2	14169.02	14169.02	1.73	ppb	5946604.08	1.57	3600	Sample Main Failed
Fe	57	72	2	26.54	26.54	22.13	ppb	773.42	19.58	90000	
Co	59	72	2	3.12	3.12	1.77	ppb	8415.96	1.69	3600	
Ni	60	72	2	2.67	2.67	7.02	ppb	2213.68	6.78	3600	
Cu	63	72	2	0.18	0.18	74.06	ppb	1706.88	17.94	3600	
Zn	66	72	2	2.26	2.26	6.07	ppb	686.75	4.45	3600	
As	75	72	2	10.10	10.10	9.43	ppb	1073.42	9.33	3600	
Se	78	72	1	0.40	0.40	25.64	ppb	172.00	24.28	3600	
Nb	93	72	2	-0.02	-0.02	-44.61	ppb	146.68	20.83	7200	
Mo	95	115	2	8.88	8.88	4.10	ppb	9289.85	4.32	3600	
Pd	105	115	2	0.01	0.01	43.22	ppb	26.67	43.30	3600	
Ag	107	115	2	1.19	1.19	10.28	ppb	5407.97	9.85	900	
Cd	111	115	2	0.18	0.18	100.04	ppb	106.68	70.99	3600	
Sn	120	115	2	0.29	0.29	21.91	ppb	466.72	13.78	3600	
Sb	121	115	2	0.61	0.61	42.62	ppb	453.38	35.93	3600	
Ba	137	115	2	84.45	84.45	3.11	ppb	18431.80	3.01	3600	
W	182	165	2	0.05	0.05	59.21	ppb	1073.47	17.91	3600	
Pt	195	165	2	0.00	0.00	273.05	ppb	66.67	45.83	3600	
Tl	205	165	2	0.11	0.11	13.69	ppb	1126.81	12.84	3600	
Pb	208	165	2	0.04	0.04	35.76	ppb	1566.84	11.01	3600	
Th	232	165	2	2.91	2.91	12.62	ppb	32108.97	12.96	3600	
U	238	165	2	3.45	3.45	1.93	ppb	46979.51	1.80	3600	

QC ISTD Table

Element	m/z	Tune Step	CPS	%RSD	Ref CPS	%Rec	Lower Limit	Upper Limit	QC Flag
Li6	6	1	958960	1.90	1785568	53.7	60	125	IS Main Failed
Sc (IS)	45	2	735216	0.46	1044004	70.4	60	125	
Ge (IS)	72	1	12452664	0.95	25160288	49.5	60	125	IS Main Failed
Ge (IS)	72	2	969381	0.16	1449538	66.9	60	125	
115In	115	2	3145289	0.39	4071130	77.3	60	125	
Ho-165	165	2	20816404	0.80	25018358	83.2	60	125	

TuneStep	TuneFile	TuneDate
1	h2_hmi.u	5/2/2012 9:23:00 PM
2	he_hmi.u	5/2/2012 9:23:00 PM

Continuing Calibration Verification (CCV) - US EPA Method 6020

Sample Name	ccv-1394868
Data File Name	1996CCV.D
DataPath	d:\DATA\050212.B
Acq Date Time	2012-05-02T21:27:58-06:00
Type	6-CCV
VialNumber	1107
Dilution	1
Comment	
Operator	LMT
ISTDRefDataFileName	121CALB.D
SamplePassFail	Fail
ISTD PassFail	Pass

QC Analyte Table

Element	m/z	ISTD	Tune Step	Meas Value	%RSD	Units	CPS	CPS%RSD	Exp Value	%Rec	QC Low	QC High	QC Flag
Be	9	6	1	54.31	4.18	ppb	16619.11	2.33	50	108.6	90	110	
Na	23	45	2	4881.52	0.52	ppb	921877.57	0.37	5000	97.6	90	110	
Mg	24	45	2	5017.77	0.57	ppb	376264.63	0.90	5000	100.4	90	110	
Al	27	45	2	5115.45	3.06	ppb	70924.79	3.14	5000	102.3	90	110	
K	39	45	2	5000.05	1.06	ppb	159284.46	1.86	5000	100.0	90	110	
Ca	44	45	2	5213.36	2.63	ppb	9109.74	3.48	5000	104.3	90	110	
V	51	72	2	48.62	3.77	ppb	48133.38	3.40	50	97.2	90	110	
Cr	52	72	2	48.85	2.03	ppb	70659.97	1.93	50	97.7	90	110	
Mn	55	72	2	57.14	0.45	ppb	26661.43	0.27	50	114.3	90	110	6-CCV Main Failed
Fe	57	72	2	4904.33	1.48	ppb	139521.04	1.29	5000	98.1	90	110	
Co	59	72	2	50.16	1.02	ppb	149862.79	0.96	50	100.3	90	110	
Ni	60	72	2	51.73	3.45	ppb	45031.39	3.51	50	103.5	90	110	
Cu	63	72	2	49.78	2.90	ppb	128643.68	2.66	50	99.6	90	110	
Zn	66	72	2	50.07	13.00	ppb	12192.09	12.45	50	100.1	90	110	
As	75	72	2	51.38	3.32	ppb	6057.96	3.39	50	102.8	90	110	
Se	78	72	1	49.48	1.49	ppb	26211.29	1.99	50	99.0	90	110	
Nb	93	72	2	104.60	2.07	ppb	347895.80	1.71	100	104.6	90	110	
Mo	95	115	2	46.85	2.51	ppb	51906.94	1.86	50	93.7	90	110	
Pd	105	115	2	48.24	0.88	ppb	103300.27	0.24	50	96.5	90	110	
Ag	107	115	2	50.17	1.25	ppb	240207.90	1.18	50	100.3	90	110	
Cd	111	115	2	48.82	4.08	ppb	22382.73	3.94	50	97.6	90	110	
Sn	120	115	2	52.52	1.97	ppb	54891.29	1.74	50	105.0	90	110	
Sb	121	115	2	53.61	2.00	ppb	35732.40	2.52	50	107.2	90	110	
Ba	137	115	2	52.22	0.94	ppb	12111.97	1.28	50	104.4	90	110	
W	182	165	2	50.43	1.17	ppb	327654.80	1.45	50	100.9	90	110	
Pt	195	165	2	49.23	2.08	ppb	288794.07	1.17	50	98.5	90	110	
Tl	205	165	2	53.40	2.14	ppb	521502.62	1.09	50	106.8	90	110	
Pb	208	165	2	54.13	1.06	ppb	664614.32	0.25	50	108.3	90	110	
Th	232	165	2	56.55	0.52	ppb	654646.81	0.95	50	113.1	90	110	6-CCV Main Failed
U	238	165	2	56.37	2.08	ppb	810379.78	0.89	50	112.7	90	110	6-CCV Main Failed

QC ISTD Table

Element	m/z	Tune Step	CPS	%RSD	Ref CPS	%Rec	QC Low	QC High	QC Flag
Li6	6	1	1109576	1.99	1785568	62.1	60	125	
Sc (IS)	45	2	745594	0.86	1044004	71.4	60	125	
Ge (IS)	72	1	15949281	0.59	25160288	63.4	60	125	
Ge (IS)	72	2	1075213	0.37	1449538	74.2	60	125	
115In	115	2	3339196	0.65	4071130	82.0	60	125	
Ho-165	165	2	22014464	1.27	25018358	88.0	60	125	

TuneStep	TuneFile
1	h2_hmi.u
2	he_hmi.u

Continuing Calibration Blank (CCB) - US EPA Method 6020

Sample Name	ccb-1394903
Data File Name	2006CCB.D
DataPath	d:\DATA\050212.B
Acq Date Time	2012-05-02T21:30:57-06:00
Type	6-CCB
VialNumber	1307
Dilution	1
Comment	
Operator	LMT
ISTDRefDataFileName	121CALB.D
SamplePassFail	Fail
ISTD PassFail	Pass

QC Analyte Table

Element	m/z	ISTD	Tune Step	Meas Value	%RSD	Units	CPS	CPS%RSD	QC High	QC Flag
Be	9	6	1	0.00	-597.22	ppb	1.67	173.21	1	
Na	23	45	2	-25.64	-40.02	ppb	16715.54	8.82	20	
Mg	24	45	2	8.99	19.64	ppb	866.76	12.71	20	
Al	27	45	2	0.13	1120.16	ppb	20.00	100.00	20	
K	39	45	2	-6.84	-56.73	ppb	1093.46	12.18	20	
Ca	44	45	2	49.69	85.07	ppb	113.35	66.82	20	6-CCB Main Failed
V	51	72	2	0.00	14143.99	ppb	50.73	71.87	1	
Cr	52	72	2	-0.03	-183.95	ppb	80.01	114.57	1	
Mn	55	72	2	1.05	12.54	ppb	546.72	9.21	1	6-CCB Main Failed
Fe	57	72	2	-0.03	-8083.24	ppb	100.01	72.11	20	
Co	59	72	2	0.01	173.21	ppb	20.00	173.21	1	
Ni	60	72	2	-0.04	-57.01	ppb	100.01	20.00	1	
Cu	63	72	2	-0.10	-149.66	ppb	1166.79	35.31	1	
Zn	66	72	2	0.41	174.36	ppb	313.36	51.20	5	
As	75	72	2	0.15	173.21	ppb	16.67	173.21	5	
Se	78	72	1	0.06	73.99	ppb	41.33	53.30	5	
Nb	93	72	2	0.87	19.77	ppb	3067.21	16.03	5	
Mo	95	115	2	0.04	54.18	ppb	60.01	33.34	1	
Pd	105	115	2	0.03	63.34	ppb	66.67	62.45	1	
Ag	107	115	2	0.50	19.34	ppb	2373.71	17.32	1	
Cd	111	115	2	-0.06	-45.07	ppb	6.67	173.21	1	
Sn	120	115	2	0.09	88.75	ppb	286.70	29.05	5	
Sb	121	115	2	0.12	105.87	ppb	153.35	52.72	0.2	
Ba	137	115	2	-0.09	-54.55	ppb	6.67	173.21	1	
W	182	165	2	0.06	45.11	ppb	1193.49	17.45	1	
Pt	195	165	2	0.01	195.88	ppb	120.01	101.38	1	
Tl	205	165	2	0.03	37.69	ppb	420.04	28.96	1	
Pb	208	165	2	0.02	13.14	ppb	1353.49	0.85	1	
Th	232	165	2	0.15	15.35	ppb	2020.32	16.30	1	
U	238	165	2	0.04	33.24	ppb	660.08	28.91	1	

QC ISTD Table

Element	m/z	Tune Step	CPS	%RSD	Ref CPS	%Rec	QC Low	QC High	QC Flag
Li6	6	1	1127769	1.22	1785568	63.2	60	125	
Sc (IS)	45	2	725791	2.70	1044004	69.5	60	125	
Ge (IS)	72	1	16176742	1.59	25160288	64.3	60	125	
Ge (IS)	72	2	1060410	2.95	1449538	73.2	60	125	
115In	115	2	3310713	2.10	4071130	81.3	60	125	
Ho-165	165	2	21594730	2.97	25018358	86.3	60	125	

TuneStep	TuneFile
1	h2_hmi.u
2	he_hmi.u

Sample Report

Sample Name	280-28240-G-3-E
Data File Name	201SMPL.D
DataPath	d:\DATA\050212.B
Acq Date Time	2012-05-02T21:33:56-06:00
Type	Sample
VialNumber	4210
Dilution	1
Comment	117694 6020
Operator	LMT
ISTDRefDataFileName	121CALB.D
SamplePassFail	Fail
ISTD PassFail	Pass

QC Analyte Table

Element	m/z	ISTD	Tune Step	Meas Value	FinalConc	%RSD	Units	CPS	CPS%RSD	High Value	QC Flag
Be	9	6	1	0.02	0.02	118.32	ppb	8.33	91.65	3600	
Na	23	45	2	29842.57	29842.57	1.17	ppb	5300197.21	1.19	1800000	
Mg	24	45	2	36587.75	36587.75	1.38	ppb	2631063.87	0.45	450000	
Al	27	45	2	1.13	1.13	275.63	ppb	33.34	124.90	450000	
K	39	45	2	5463.52	5463.52	2.19	ppb	166855.99	1.15	180000	
Ca	44	45	2	139902.51	139902.51	1.54	ppb	233807.95	0.75	450000	
V	51	72	2	0.71	0.71	31.00	ppb	697.74	29.30	3600	
Cr	52	72	2	0.04	0.04	183.55	ppb	180.01	61.87	3600	
Mn	55	72	2	3818.48	3818.48	0.18	ppb	1656762.22	0.57	3600	Sample Main Failed
Fe	57	72	2	6.94	6.94	39.88	ppb	280.04	25.76	90000	
Co	59	72	2	0.68	0.68	10.55	ppb	1900.29	10.37	3600	
Ni	60	72	2	2.54	2.54	11.03	ppb	2180.32	10.09	3600	
Cu	63	72	2	0.68	0.68	32.88	ppb	2960.51	18.39	3600	
Zn	66	72	2	8.73	8.73	10.52	ppb	2153.65	9.93	3600	
As	75	72	2	3.07	3.07	22.80	ppb	336.68	22.49	3600	
Se	78	72	1	0.04	0.04	56.48	ppb	28.00	37.80	3600	
Nb	93	72	2	0.44	0.44	25.09	ppb	1573.58	21.88	7200	
Mo	95	115	2	7.24	7.24	3.42	ppb	7749.00	3.95	3600	
Pd	105	115	2	0.02	0.02	125.18	ppb	33.34	124.90	3600	
Ag	107	115	2	0.07	0.07	57.88	ppb	340.05	53.91	900	
Cd	111	115	2	0.00	0.00	2573.98	ppb	33.34	124.90	3600	
Sn	120	115	2	0.00	0.00	-1109.89	ppb	180.01	29.40	3600	
Sb	121	115	2	0.05	0.05	91.84	ppb	106.68	28.64	3600	
Ba	137	115	2	293.22	293.22	3.57	ppb	65442.51	3.15	3600	
W	182	165	2	0.08	0.08	21.76	ppb	1280.18	8.27	3600	
Pt	195	165	2	0.01	0.01	123.80	ppb	113.34	61.98	3600	
Tl	205	165	2	0.03	0.03	23.11	ppb	413.38	15.55	3600	
Pb	208	165	2	0.02	0.02	136.90	ppb	1266.83	20.61	3600	
Th	232	165	2	0.65	0.65	12.33	ppb	7475.72	12.15	3600	
U	238	165	2	1.40	1.40	4.08	ppb	19400.25	3.67	3600	

QC ISTD Table

Element	m/z	Tune Step	CPS	%RSD	Ref CPS	%Rec	Lower Limit	Upper Limit	QC Flag
Li6	6	1	974383	0.48	1785568	54.6	60	125	IS Main Failed
Sc (IS)	45	2	715434	1.02	1044004	68.5	60	125	
Ge (IS)	72	1	13472383	0.20	25160288	53.5	60	125	IS Main Failed
Ge (IS)	72	2	1002109	0.50	1449538	69.1	60	125	
115In	115	2	3219611	0.54	4071130	79.1	60	125	
Ho-165	165	2	21187601	0.42	25018358	84.7	60	125	

TuneStep	TuneFile	TuneDate
1	h2_hmi.u	5/2/2012 9:32:00 PM
2	he_hmi.u	5/2/2012 9:32:00 PM

Sample Report

Sample Name	280-28240-G-4-E
Data File Name	202SMPL.D
DataPath	d:\DATA\050212.B
Acq Date Time	2012-05-02T21:36:55-06:00
Type	Sample
VialNumber	4211
Dilution	1
Comment	117694 6020
Operator	LMT
ISTDRefDataFileName	121CALB.D
SamplePassFail	Fail
ISTD PassFail	Pass

QC Analyte Table

Element	m/z	ISTD	Tune Step	Meas Value	FinalConc	%RSD	Units	CPS	CPS%RSD	High Value	QC Flag
Be	9	6	1	0.00	0.00	-11612.30	ppb	1.67	173.21	3600	
Na	23	45	2	126018.50	126018.50	1.55	ppb	21263735.52	0.93	1800000	
Mg	24	45	2	125974.73	125974.73	0.85	ppb	8633063.62	0.62	450000	
Al	27	45	2	1.28	1.28	147.02	ppb	33.34	69.29	450000	
K	39	45	2	9200.80	9200.80	1.72	ppb	266952.40	0.33	180000	
Ca	44	45	2	403585.31	403585.31	0.73	ppb	642768.39	0.81	450000	
V	51	72	2	1.53	1.53	22.81	ppb	1325.67	22.24	3600	
Cr	52	72	2	0.23	0.23	41.50	ppb	393.37	30.65	3600	
Mn	55	72	2	6100.98	6100.98	1.37	ppb	2409879.91	0.52	3600	Sample Main Failed
Fe	57	72	2	16.26	16.26	21.83	ppb	480.05	18.16	90000	
Co	59	72	2	4.03	4.03	10.95	ppb	10223.85	11.12	3600	
Ni	60	72	2	7.61	7.61	3.51	ppb	5721.38	3.70	3600	
Cu	63	72	2	0.77	0.77	23.91	ppb	2893.82	12.94	3600	
Zn	66	72	2	14.19	14.19	8.57	ppb	3067.24	7.21	3600	
As	75	72	2	0.77	0.77	14.67	ppb	76.67	15.06	3600	
Se	78	72	1	0.18	0.18	42.20	ppb	77.33	38.82	3600	
Nb	93	72	2	0.20	0.20	30.23	ppb	766.75	22.79	7200	
Mo	95	115	2	3.77	3.77	3.35	ppb	3740.75	3.51	3600	
Pd	105	115	2	0.01	0.01	86.60	ppb	13.33	86.60	3600	
Ag	107	115	2	0.02	0.02	56.47	ppb	106.68	43.30	900	
Cd	111	115	2	0.30	0.30	49.28	ppb	153.35	39.85	3600	
Sn	120	115	2	0.09	0.09	110.88	ppb	253.36	36.46	3600	
Sb	121	115	2	0.08	0.08	156.10	ppb	113.34	61.98	3600	
Ba	137	115	2	52.70	52.70	4.40	ppb	10891.05	4.49	3600	
W	182	165	2	0.08	0.08	36.89	ppb	1206.83	14.95	3600	
Pt	195	165	2	0.01	0.01	73.03	ppb	100.01	34.64	3600	
Tl	205	165	2	0.02	0.02	64.69	ppb	306.70	39.31	3600	
Pb	208	165	2	0.03	0.03	23.20	ppb	1366.83	6.09	3600	
Th	232	165	2	0.24	0.24	23.02	ppb	2787.22	20.63	3600	
U	238	165	2	5.31	5.31	1.89	ppb	68732.62	1.76	3600	

QC ISTD Table

Element	m/z	Tune Step	CPS	%RSD	Ref CPS	%Rec	Lower Limit	Upper Limit	QC Flag
Li6	6	1	890032	0.67	1785568	49.8	60	125	IS Main Failed
Sc (IS)	45	2	681830	1.46	1044004	65.3	60	125	
Ge (IS)	72	1	11630918	1.15	25160288	46.2	60	125	IS Main Failed
Ge (IS)	72	2	912391	0.85	1449538	62.9	60	125	
115In	115	2	2975231	0.26	4071130	73.1	60	125	
Ho-165	165	2	19792185	0.28	25018358	79.1	60	125	

TuneStep	TuneFile	TuneDate
1	h2_hmi.u	5/2/2012 9:35:00 PM
2	he_hmi.u	5/2/2012 9:35:00 PM

Sample Report

Sample Name	280-28240-G-5-E
Data File Name	203SMPL.D
DataPath	d:\DATA\050212.B
Acq Date Time	2012-05-02T21:39:55-06:00
Type	Sample
VialNumber	4212
Dilution	1
Comment	117694 6020
Operator	LMT
ISTDRefDataFileName	121CALB.D
SamplePassFail	Fail
ISTD PassFail	Pass

QC Analyte Table

Element	m/z	ISTD	Tune Step	Meas Value	FinalConc	%RSD	Units	CPS	CPS%RSD	High Value	QC Flag
Be	9	6	1	0.01	0.01	340.82	ppb	3.33	173.21	3600	
Na	23	45	2	34489.72	34489.72	3.03	ppb	5961912.41	1.99	1800000	
Mg	24	45	2	38466.39	38466.39	3.69	ppb	2693544.75	2.22	450000	
Al	27	45	2	-0.32	-0.32	-563.81	ppb	13.33	173.21	450000	
K	39	45	2	3244.70	3244.70	3.16	ppb	97017.95	2.25	180000	
Ca	44	45	2	133579.73	133579.73	3.68	ppb	217391.83	2.47	450000	
V	51	72	2	0.02	0.02	759.98	ppb	64.47	229.85	3600	
Cr	52	72	2	0.04	0.04	50.83	ppb	173.35	17.63	3600	
Mn	55	72	2	5139.64	5139.64	3.49	ppb	2149358.20	3.08	3600	Sample Main Failed
Fe	57	72	2	6.81	6.81	40.10	ppb	266.69	26.34	90000	
Co	59	72	2	2.44	2.44	8.62	ppb	6548.46	7.86	3600	
Ni	60	72	2	3.63	3.63	5.35	ppb	2953.82	5.51	3600	
Cu	63	72	2	0.13	0.13	73.72	ppb	1593.55	13.30	3600	
Zn	66	72	2	3.26	3.26	9.46	ppb	900.09	8.01	3600	
As	75	72	2	4.53	4.53	20.72	ppb	480.03	20.83	3600	
Se	78	72	1	0.08	0.08	41.03	ppb	41.33	33.99	3600	
Nb	93	72	2	0.08	0.08	17.39	ppb	466.71	8.92	7200	
Mo	95	115	2	4.15	4.15	5.25	ppb	4314.24	4.57	3600	
Pd	105	115	2	0.00	0.00	#DIV/0!	ppb	0.00	#DIV/0!	3600	
Ag	107	115	2	0.00	0.00	145.63	ppb	46.67	65.47	900	
Cd	111	115	2	0.08	0.08	129.59	ppb	66.67	69.29	3600	
Sn	120	115	2	0.03	0.03	223.20	ppb	206.69	29.57	3600	
Sb	121	115	2	-0.02	-0.02	-450.67	ppb	60.01	88.19	3600	
Ba	137	115	2	294.60	294.60	3.98	ppb	63742.78	2.96	3600	
W	182	165	2	0.06	0.06	31.75	ppb	1120.14	9.45	3600	
Pt	195	165	2	0.00	0.00	-1715.55	ppb	53.34	57.29	3600	
Tl	205	165	2	0.00	0.00	-601.27	ppb	113.34	83.40	3600	
Pb	208	165	2	0.01	0.01	166.56	ppb	1153.47	15.54	3600	
Th	232	165	2	0.10	0.10	31.95	ppb	1400.20	24.37	3600	
U	238	165	2	0.53	0.53	2.60	ppb	7269.05	1.04	3600	

QC ISTD Table

Element	m/z	Tune Step	CPS	%RSD	Ref CPS	%Rec	Lower Limit	Upper Limit	QC Flag
Li6	6	1	902987	4.47	1785568	50.6	60	125	IS Main Failed
Sc (IS)	45	2	696855	1.68	1044004	66.7	60	125	
Ge (IS)	72	1	12544119	5.11	25160288	49.9	60	125	IS Main Failed
Ge (IS)	72	2	965991	0.73	1449538	66.6	60	125	
115In	115	2	3121895	1.10	4071130	76.7	60	125	
Ho-165	165	2	20841663	1.56	25018358	83.3	60	125	

TuneStep	TuneFile	TuneDate
1	h2_hmi.u	5/2/2012 9:38:00 PM
2	he_hmi.u	5/2/2012 9:38:00 PM

Sample Report

Sample Name	280-28240-G-6-E
Data File Name	204SMPL.D
DataPath	d:\DATA\050212.B
Acq Date Time	2012-05-02T21:42:54-06:00
Type	Sample
VialNumber	4301
Dilution	1
Comment	117694 6020
Operator	LMT
ISTDRefDataFileName	121CALB.D
SamplePassFail	Fail
ISTD PassFail	Pass

QC Analyte Table

Element	m/z	ISTD	Tune Step	Meas Value	FinalConc	%RSD	Units	CPS	CPS%RSD	High Value	QC Flag
Be	9	6	1	0.00	0.00	-20604.63	ppb	1.67	173.21	3600	
Na	23	45	2	92601.39	92601.39	0.53	ppb	15472761.85	0.16	1800000	
Mg	24	45	2	56023.04	56023.04	0.51	ppb	3800542.55	0.61	450000	
Al	27	45	2	-1.37	-1.37	0.00	ppb	0.00	#DIV/0!	450000	
K	39	45	2	8782.89	8782.89	1.82	ppb	252339.14	2.24	180000	
Ca	44	45	2	266719.45	266719.45	0.35	ppb	420499.64	0.73	450000	
V	51	72	2	0.88	0.88	40.23	ppb	789.92	38.00	3600	
Cr	52	72	2	0.10	0.10	40.67	ppb	233.36	21.57	3600	
Mn	55	72	2	14099.48	14099.48	1.10	ppb	5637954.29	1.09	3600	Sample Main Failed
Fe	57	72	2	6.19	6.19	25.89	ppb	240.03	16.67	90000	
Co	59	72	2	10.83	10.83	2.60	ppb	27796.44	2.52	3600	
Ni	60	72	2	20.45	20.45	2.14	ppb	15361.10	1.83	3600	
Cu	63	72	2	0.83	0.83	13.20	ppb	3060.51	7.54	3600	
Zn	66	72	2	13.68	13.68	5.32	ppb	3000.52	5.29	3600	
As	75	72	2	10.63	10.63	19.96	ppb	1076.75	19.84	3600	
Se	78	72	1	0.13	0.13	13.17	ppb	60.00	11.55	3600	
Nb	93	72	2	0.09	0.09	40.43	ppb	453.38	22.21	7200	
Mo	95	115	2	5.55	5.55	4.27	ppb	5494.59	4.61	3600	
Pd	105	115	2	0.01	0.01	114.30	ppb	26.67	114.57	3600	
Ag	107	115	2	0.02	0.02	46.26	ppb	100.01	34.64	900	
Cd	111	115	2	0.37	0.37	12.84	ppb	180.02	11.11	3600	
Sn	120	115	2	0.11	0.11	111.87	ppb	273.36	42.25	3600	
Sb	121	115	2	-0.03	-0.03	-202.99	ppb	53.34	57.29	3600	
Ba	137	115	2	703.65	703.65	1.68	ppb	145076.75	1.68	3600	
W	182	165	2	0.04	0.04	39.80	ppb	973.45	11.32	3600	
Pt	195	165	2	0.00	0.00	249.01	ppb	73.34	68.64	3600	
Tl	205	165	2	0.04	0.04	18.03	ppb	486.72	13.21	3600	
Pb	208	165	2	0.10	0.10	16.89	ppb	2066.94	8.99	3600	
Th	232	165	2	0.06	0.06	9.30	ppb	886.78	6.51	3600	
U	238	165	2	3.84	3.84	3.27	ppb	50015.57	3.44	3600	

QC ISTD Table

Element	m/z	Tune Step	CPS	%RSD	Ref CPS	%Rec	Lower Limit	Upper Limit	QC Flag
Li6	6	1	877595	0.77	1785568	49.1	60	125	IS Main Failed
Sc (IS)	45	2	674879	0.44	1044004	64.6	60	125	
Ge (IS)	72	1	12182066	0.70	25160288	48.4	60	125	IS Main Failed
Ge (IS)	72	2	923586	0.35	1449538	63.7	60	125	
115In	115	2	2974704	0.36	4071130	73.1	60	125	
Ho-165	165	2	19935724	1.11	25018358	79.7	60	125	

TuneStep	TuneFile	TuneDate
1	h2_hmi.u	5/2/2012 9:41:00 PM
2	he_hmi.u	5/2/2012 9:41:00 PM

Sample Report

Sample Name	280-28240-G-7-E
Data File Name	205SMPL.D
DataPath	d:\DATA\050212.B
Acq Date Time	2012-05-02T21:45:54-06:00
Type	Sample
VialNumber	4302
Dilution	1
Comment	117694 6020
Operator	LMT
ISTDRefDataFileName	121CALB.D
SamplePassFail	Fail
ISTD PassFail	Pass

QC Analyte Table

Element	m/z	ISTD	Tune Step	Meas Value	FinalConc	%RSD	Units	CPS	CPS%RSD	High Value	QC Flag
Be	9	6	1	0.01	0.01	154.84	ppb	5.00	100.00	3600	
Na	23	45	2	46850.36	46850.36	1.80	ppb	7948146.55	0.84	1800000	
Mg	24	45	2	36562.03	36562.03	0.50	ppb	2515446.42	0.71	450000	
Al	27	45	2	-0.84	-0.84	-108.23	ppb	6.67	173.21	450000	
K	39	45	2	8192.14	8192.14	0.90	ppb	238754.26	0.26	180000	
Ca	44	45	2	156937.79	156937.79	1.45	ppb	250941.63	2.04	450000	
V	51	72	2	0.63	0.63	63.73	ppb	600.10	59.01	3600	
Cr	52	72	2	0.05	0.05	161.41	ppb	180.02	58.80	3600	
Mn	55	72	2	3869.34	3869.34	1.62	ppb	1605722.63	1.56	3600	Sample Main Failed
Fe	57	72	2	6.36	6.36	39.74	ppb	253.37	25.38	90000	
Co	59	72	2	1.82	1.82	8.81	ppb	4854.38	8.57	3600	
Ni	60	72	2	2.79	2.79	1.70	ppb	2280.33	1.75	3600	
Cu	63	72	2	0.55	0.55	14.24	ppb	2527.07	7.18	3600	
Zn	66	72	2	10.27	10.27	8.22	ppb	2387.05	7.79	3600	
As	75	72	2	26.45	26.45	8.61	ppb	2780.35	8.84	3600	
Se	78	72	1	0.07	0.07	64.38	ppb	41.33	49.66	3600	
Nb	93	72	2	0.06	0.06	63.10	ppb	386.71	28.49	7200	
Mo	95	115	2	5.54	5.54	3.67	ppb	5681.41	3.36	3600	
Pd	105	115	2	0.02	0.02	35.33	ppb	33.33	34.64	3600	
Ag	107	115	2	0.01	0.01	48.35	ppb	86.67	35.25	900	
Cd	111	115	2	0.16	0.16	27.37	ppb	100.01	20.00	3600	
Sn	120	115	2	0.00	0.00	-622.43	ppb	173.35	13.32	3600	
Sb	121	115	2	-0.03	-0.03	-440.36	ppb	53.34	141.97	3600	
Ba	137	115	2	305.02	305.02	1.85	ppb	65188.68	2.69	3600	
W	182	165	2	0.08	0.08	40.74	ppb	1240.16	17.07	3600	
Pt	195	165	2	0.00	0.00	321.52	ppb	73.34	83.32	3600	
Tl	205	165	2	0.01	0.01	37.57	ppb	180.02	11.11	3600	
Pb	208	165	2	0.01	0.01	566.07	ppb	1106.79	36.21	3600	
Th	232	165	2	0.03	0.03	62.12	ppb	633.41	35.50	3600	
U	238	165	2	1.67	1.67	3.63	ppb	22404.56	4.72	3600	

QC ISTD Table

Element	m/z	Tune Step	CPS	%RSD	Ref CPS	%Rec	Lower Limit	Upper Limit	QC Flag
Li6	6	1	913000	2.02	1785568	51.1	60	125	IS Main Failed
Sc (IS)	45	2	684431	1.00	1044004	65.6	60	125	
Ge (IS)	72	1	13149100	0.58	25160288	52.3	60	125	IS Main Failed
Ge (IS)	72	2	958481	0.26	1449538	66.1	60	125	
115In	115	2	3082510	0.99	4071130	75.7	60	125	
Ho-165	165	2	20461166	1.12	25018358	81.8	60	125	

TuneStep	TuneFile	TuneDate
1	h2_hmi.u	5/2/2012 9:44:00 PM
2	he_hmi.u	5/2/2012 9:44:00 PM

Sample Report

Sample Name	280-28240-G-8-E
Data File Name	206SMPL.D
DataPath	d:\DATA\050212.B
Acq Date Time	2012-05-02T21:48:54-06:00
Type	Sample
VialNumber	4303
Dilution	1
Comment	117694 6020
Operator	LMT
ISTDRefDataFileName	121CALB.D
SamplePassFail	Fail
ISTD PassFail	Pass

QC Analyte Table

Element	m/z	ISTD	Tune Step	Meas Value	FinalConc	%RSD	Units	CPS	CPS %RSD	High Value	QC Flag
Be	9	6	1	0.00	0.00	-3064.36	ppb	1.67	173.21	3600	
Na	23	45	2	37232.68	37232.68	0.64	ppb	6226308.03	0.56	1800000	
Mg	24	45	2	46886.71	46886.71	1.45	ppb	3177094.02	0.48	450000	
Al	27	45	2	5.00	5.00	114.05	ppb	80.01	90.14	450000	
K	39	45	2	8894.42	8894.42	1.43	ppb	255261.95	2.29	180000	
Ca	44	45	2	212709.34	212709.34	2.06	ppb	334948.20	1.01	450000	
V	51	72	2	-0.01	-0.01	-567.78	ppb	31.94	205.85	3600	
Cr	52	72	2	0.05	0.05	164.75	ppb	173.36	58.08	3600	
Mn	55	72	2	1659.46	1659.46	1.83	ppb	672848.87	0.80	3600	
Fe	57	72	2	8.73	8.73	36.94	ppb	306.70	27.15	90000	
Co	59	72	2	0.21	0.21	11.51	ppb	546.72	11.18	3600	
Ni	60	72	2	0.19	0.19	71.06	ppb	260.02	38.46	3600	
Cu	63	72	2	-0.01	-0.01	-215.77	ppb	1220.14	5.68	3600	
Zn	66	72	2	0.41	0.41	19.84	ppb	280.03	7.14	3600	
As	75	72	2	3.28	3.28	22.02	ppb	336.68	21.07	3600	
Se	78	72	1	0.10	0.10	32.04	ppb	49.33	26.06	3600	
Nb	93	72	2	0.01	0.01	345.24	ppb	240.02	46.40	7200	
Mo	95	115	2	0.99	0.99	19.20	ppb	1026.80	19.51	3600	
Pd	105	115	2	0.01	0.01	173.21	ppb	13.33	173.21	3600	
Ag	107	115	2	0.01	0.01	74.21	ppb	86.67	53.29	900	
Cd	111	115	2	-0.04	-0.04	-137.12	ppb	13.33	173.21	3600	
Sn	120	115	2	-0.04	-0.04	-137.44	ppb	133.35	43.30	3600	
Sb	121	115	2	-0.10	-0.10	-18.14	ppb	6.67	173.21	3600	
Ba	137	115	2	558.16	558.16	2.00	ppb	118070.47	2.36	3600	
W	182	165	2	0.16	0.16	11.46	ppb	1706.94	6.87	3600	
Pt	195	165	2	0.00	0.00	570.82	ppb	60.00	57.74	3600	
Tl	205	165	2	0.00	0.00	984.93	ppb	133.35	70.89	3600	
Pb	208	165	2	-0.01	-0.01	-58.81	ppb	940.11	4.25	3600	
Th	232	165	2	0.02	0.02	53.34	ppb	440.05	20.83	3600	
U	238	165	2	0.50	0.50	3.98	ppb	6735.39	4.61	3600	

QC ISTD Table

Element	m/z	Tune Step	CPS	%RSD	Ref CPS	%Rec	Lower Limit	Upper Limit	QC Flag
Li6	6	1	903140	1.65	1785568	50.6	60	125	IS Main Failed
Sc (IS)	45	2	674167	1.13	1044004	64.6	60	125	
Ge (IS)	72	1	12707061	0.91	25160288	50.5	60	125	IS Main Failed
Ge (IS)	72	2	936552	1.04	1449538	64.6	60	125	
115In	115	2	3051726	0.79	4071130	75.0	60	125	
Ho-165	165	2	20254809	1.10	25018358	81.0	60	125	

TuneStep	TuneFile	TuneDate
1	h2_hmi.u	5/2/2012 9:47:00 PM
2	he_hmi.u	5/2/2012 9:47:00 PM

Sample Report

Sample Name	280-28240-G-9-E
Data File Name	207SMPL.D
DataPath	d:\DATA\050212.B
Acq Date Time	2012-05-02T21:51:55-06:00
Type	Sample
VialNumber	4304
Dilution	1
Comment	117694 6020
Operator	LMT
ISTDRefDataFileName	121CALB.D
SamplePassFail	Fail
ISTD PassFail	Pass

QC Analyte Table

Element	m/z	ISTD	Tune Step	Meas Value	FinalConc	%RSD	Units	CPS	CPS%RSD	High Value	QC Flag
Be	9	6	1	0.01	0.01	350.76	ppb	3.33	173.21	3600	
Na	23	45	2	63953.45	63953.45	0.51	ppb	10379830.05	1.21	1800000	
Mg	24	45	2	70109.80	70109.80	0.63	ppb	4616926.28	0.38	450000	
Al	27	45	2	3.52	3.52	201.48	ppb	60.01	145.30	450000	
K	39	45	2	7657.99	7657.99	3.05	ppb	213696.55	2.40	180000	
Ca	44	45	2	254530.51	254530.51	0.43	ppb	389541.50	0.60	450000	
V	51	72	2	2.03	2.03	17.22	ppb	1729.06	16.50	3600	
Cr	52	72	2	0.08	0.08	86.63	ppb	200.02	40.00	3600	
Mn	55	72	2	4709.33	4709.33	1.15	ppb	1841586.07	0.90	3600	Sample Main Failed
Fe	57	72	2	10.89	10.89	22.32	ppb	346.71	16.65	90000	
Co	59	72	2	3.07	3.07	3.76	ppb	7709.00	3.78	3600	
Ni	60	72	2	3.89	3.89	19.19	ppb	2947.22	18.17	3600	
Cu	63	72	2	0.02	0.02	264.06	ppb	1253.49	9.62	3600	
Zn	66	72	2	2.69	2.69	30.42	ppb	726.75	22.42	3600	
As	75	72	2	4.11	4.11	10.22	ppb	406.69	9.94	3600	
Se	78	72	1	1.16	1.16	19.16	ppb	478.68	18.99	3600	
Nb	93	72	2	0.06	0.06	92.24	ppb	373.38	42.97	7200	
Mo	95	115	2	4.23	4.23	14.04	ppb	4127.50	14.07	3600	
Pd	105	115	2	0.02	0.02	91.78	ppb	33.34	91.66	3600	
Ag	107	115	2	-0.01	-0.01	0.00	ppb	0.00	#DIV/0!	900	
Cd	111	115	2	0.16	0.16	117.55	ppb	93.34	81.13	3600	
Sn	120	115	2	0.02	0.02	400.91	ppb	186.68	40.56	3600	
Sb	121	115	2	0.01	0.01	495.45	ppb	73.34	41.66	3600	
Ba	137	115	2	245.37	245.37	4.62	ppb	49796.22	4.63	3600	
W	182	165	2	0.12	0.12	37.73	ppb	1433.55	18.95	3600	
Pt	195	165	2	0.01	0.01	102.12	ppb	93.34	44.61	3600	
Tl	205	165	2	0.00	0.00	491.87	ppb	133.35	45.83	3600	
Pb	208	165	2	0.02	0.02	41.66	ppb	1200.13	6.67	3600	
Th	232	165	2	0.02	0.02	38.23	ppb	473.39	17.08	3600	
U	238	165	2	5.10	5.10	2.81	ppb	65680.97	2.26	3600	

QC ISTD Table

Element	m/z	Tune Step	CPS	%RSD	Ref CPS	%Rec	Lower Limit	Upper Limit	QC Flag
Li6	6	1	874207	1.25	1785568	49.0	60	125	IS Main Failed
Sc (IS)	45	2	655142	0.70	1044004	62.8	60	125	
Ge (IS)	72	1	12190432	0.24	25160288	48.5	60	125	IS Main Failed
Ge (IS)	72	2	903214	0.28	1449538	62.3	60	125	
115In	115	2	2927108	0.63	4071130	71.9	60	125	
Ho-165	165	2	19715586	0.56	25018358	78.8	60	125	

TuneStep	TuneFile	TuneDate
1	h2_hmi.u	5/2/2012 9:50:00 PM
2	he_hmi.u	5/2/2012 9:50:00 PM

Sample Report

Sample Name	280-28240-G-10-E
Data File Name	208SMPL.D
DataPath	d:\DATA\050212.B
Acq Date Time	2012-05-02T21:54:56-06:00
Type	Sample
VialNumber	4305
Dilution	1
Comment	117694 6020
Operator	LMT
ISTDRefDataFileName	121CALB.D
SamplePassFail	Fail
ISTD PassFail	Pass

QC Analyte Table

Element	m/z	ISTD	Tune Step	Meas Value	FinalConc	%RSD	Units	CPS	CPS%RSD	High Value	QC Flag
Be	9	6	1	0.01	0.01	149.73	ppb	5.00	100.00	3600	
Na	23	45	2	48008.52	48008.52	1.46	ppb	7670770.93	0.90	1800000	
Mg	24	45	2	39218.85	39218.85	1.22	ppb	2541172.72	0.60	450000	
Al	27	45	2	1.97	1.97	85.77	ppb	40.00	50.00	450000	
K	39	45	2	3802.12	3802.12	2.61	ppb	104981.02	2.17	180000	
Ca	44	45	2	120594.23	120594.23	1.97	ppb	181593.14	1.26	450000	
V	51	72	2	1.98	1.98	12.62	ppb	1677.64	11.75	3600	
Cr	52	72	2	0.04	0.04	109.61	ppb	153.35	32.83	3600	
Mn	55	72	2	3898.34	3898.34	3.10	ppb	1518384.35	2.88	3600	Sample Main Failed
Fe	57	72	2	0.29	0.29	439.07	ppb	93.34	32.73	90000	
Co	59	72	2	4.62	4.62	8.42	ppb	11538.06	7.84	3600	
Ni	60	72	2	6.29	6.29	11.08	ppb	4681.03	11.48	3600	
Cu	63	72	2	1.00	1.00	34.85	ppb	3340.66	21.79	3600	
Zn	66	72	2	7.91	7.91	16.45	ppb	1766.91	14.16	3600	
As	75	72	2	1.39	1.39	18.47	ppb	136.68	18.41	3600	
Se	78	72	1	0.38	0.38	20.59	ppb	165.33	20.29	3600	
Nb	93	72	2	-0.01	-0.01	-96.32	ppb	166.68	18.33	7200	
Mo	95	115	2	2.26	2.26	3.28	ppb	2227.00	4.05	3600	
Pd	105	115	2	0.00	0.00	#DIV/0!	ppb	0.00	#DIV/0!	3600	
Ag	107	115	2	0.01	0.01	165.61	ppb	66.68	105.36	900	
Cd	111	115	2	0.21	0.21	89.84	ppb	113.35	66.81	3600	
Sn	120	115	2	-0.07	-0.07	-92.30	ppb	106.67	54.13	3600	
Sb	121	115	2	0.00	0.00	-4194.06	ppb	66.67	45.83	3600	
Ba	137	115	2	95.93	95.93	3.86	ppb	19566.24	3.72	3600	
W	182	165	2	0.04	0.04	53.40	ppb	960.12	13.01	3600	
Pt	195	165	2	0.00	0.00	287.74	ppb	60.01	33.34	3600	
Tl	205	165	2	0.01	0.01	45.24	ppb	193.35	15.80	3600	
Pb	208	165	2	-0.02	-0.02	-37.91	ppb	840.08	8.58	3600	
Th	232	165	2	0.01	0.01	141.80	ppb	366.71	38.70	3600	
U	238	165	2	0.98	0.98	0.50	ppb	12746.46	1.09	3600	

QC ISTD Table

Element	m/z	Tune Step	CPS	%RSD	Ref CPS	%Rec	Lower Limit	Upper Limit	QC Flag
Li6	6	1	868137	0.87	1785568	48.6	60	125	IS Main Failed
Sc (IS)	45	2	644613	0.72	1044004	61.7	60	125	
Ge (IS)	72	1	12451039	0.75	25160288	49.5	60	125	IS Main Failed
Ge (IS)	72	2	899649	0.62	1449538	62.1	60	125	
115In	115	2	2939856	0.79	4071130	72.2	60	125	
Ho-165	165	2	19905316	0.98	25018358	79.6	60	125	

TuneStep	TuneFile	TuneDate
1	h2_hmi.u	5/2/2012 9:53:00 PM
2	he_hmi.u	5/2/2012 9:53:00 PM

Sample Report

Sample Name	280-28240-G-11-E
Data File Name	209SMPL.D
DataPath	d:\DATA\050212.B
Acq Date Time	2012-05-02T21:57:55-06:00
Type	Sample
VialNumber	4306
Dilution	1
Comment	117694 6020
Operator	LMT
ISTDRefDataFileName	121CALB.D
SamplePassFail	Fail
ISTD PassFail	Pass

QC Analyte Table

Element	m/z	ISTD	Tune Step	Meas Value	FinalConc	%RSD	Units	CPS	CPS %RSD	High Value	QC Flag
Be	9	6	1	-0.01	-0.01	0.00	ppb	0.00	#DIV/0!	3600	
Na	23	45	2	20571.09	20571.09	0.74	ppb	3350923.28	0.55	1800000	
Mg	24	45	2	26216.87	26216.87	2.91	ppb	1726036.69	2.32	450000	
Al	27	45	2	0.82	0.82	115.02	ppb	26.67	43.30	450000	
K	39	45	2	6472.48	6472.48	0.99	ppb	180785.91	1.48	180000	
Ca	44	45	2	119009.65	119009.65	2.15	ppb	182116.19	2.42	450000	
V	51	72	2	0.05	0.05	177.61	ppb	88.13	90.09	3600	
Cr	52	72	2	0.04	0.04	39.19	ppb	160.01	12.50	3600	
Mn	55	72	2	1552.35	1552.35	0.31	ppb	621639.20	0.33	3600	
Fe	57	72	2	17.07	17.07	49.98	ppb	506.73	41.46	90000	
Co	59	72	2	0.27	0.27	11.79	ppb	686.74	11.77	3600	
Ni	60	72	2	0.19	0.19	26.98	ppb	260.03	15.38	3600	
Cu	63	72	2	-0.02	-0.02	-94.23	ppb	1193.50	3.49	3600	
Zn	66	72	2	14.34	14.34	2.35	ppb	3140.56	2.30	3600	
As	75	72	2	0.72	0.72	43.61	ppb	73.34	43.84	3600	
Se	78	72	1	0.07	0.07	15.74	ppb	38.67	11.95	3600	
Nb	93	72	2	-0.01	-0.01	-136.84	ppb	180.02	19.25	7200	
Mo	95	115	2	1.72	1.72	1.27	ppb	1766.90	0.65	3600	
Pd	105	115	2	0.00	0.00	#DIV/0!	ppb	0.00	#DIV/0!	3600	
Ag	107	115	2	0.00	0.00	-193.54	ppb	13.33	173.21	900	
Cd	111	115	2	0.10	0.10	117.20	ppb	73.34	68.64	3600	
Sn	120	115	2	0.01	0.01	454.64	ppb	186.68	26.96	3600	
Sb	121	115	2	-0.07	-0.07	-52.54	ppb	26.67	86.60	3600	
Ba	137	115	2	224.72	224.72	1.53	ppb	47756.23	1.85	3600	
W	182	165	2	0.06	0.06	47.13	ppb	1086.81	14.76	3600	
Pt	195	165	2	0.00	0.00	-145.23	ppb	33.33	91.65	3600	
Tl	205	165	2	-0.01	-0.01	-44.43	ppb	73.34	31.49	3600	
Pb	208	165	2	0.02	0.02	114.00	ppb	1240.14	18.60	3600	
Th	232	165	2	0.01	0.01	103.30	ppb	413.38	35.00	3600	
U	238	165	2	0.28	0.28	10.30	ppb	3787.50	10.49	3600	

QC ISTD Table

Element	m/z	Tune Step	CPS	%RSD	Ref CPS	%Rec	Lower Limit	Upper Limit	QC Flag
Li6	6	1	872639	0.27	1785568	48.9	60	125	IS Main Failed
Sc (IS)	45	2	654996	0.59	1044004	62.7	60	125	
Ge (IS)	72	1	12546234	0.57	25160288	49.9	60	125	IS Main Failed
Ge (IS)	72	2	924855	0.42	1449538	63.8	60	125	
115In	115	2	3064977	0.62	4071130	75.3	60	125	
Ho-165	165	2	20405197	0.42	25018358	81.6	60	125	

TuneStep	TuneFile	TuneDate
1	h2_hmi.u	5/2/2012 9:56:00 PM
2	he_hmi.u	5/2/2012 9:56:00 PM

Continuing Calibration Verification (CCV) - US EPA Method 6020

Sample Name	ccv-1394868
Data File Name	2106CCV.D
DataPath	d:\DATA\050212.B
Acq Date Time	2012-05-02T22:00:54-06:00
Type	6-CCV
VialNumber	1107
Dilution	1
Comment	
Operator	LMT
ISTDRefDataFileName	121CALB.D
SamplePassFail	Fail
ISTD PassFail	Pass

QC Analyte Table

Element	m/z	ISTD	Tune Step	Meas Value	%RSD	Units	CPS	CPS%RSD	Exp Value	%Rec	QC Low	QC High	QC Flag
Be	9	6	1	53.61	4.70	ppb	13658.45	2.65	50	107.2	90	110	
Na	23	45	2	4679.27	0.45	ppb	774339.47	0.19	5000	93.6	90	110	
Mg	24	45	2	4887.31	1.73	ppb	320817.01	2.02	5000	97.7	90	110	
Al	27	45	2	5198.27	2.75	ppb	63089.77	2.81	5000	104.0	90	110	
K	39	45	2	5000.83	0.48	ppb	139446.21	0.96	5000	100.0	90	110	
Ca	44	45	2	5403.02	7.48	ppb	8262.57	7.58	5000	108.1	90	110	
V	51	72	2	49.77	3.86	ppb	44141.96	3.76	50	99.5	90	110	
Cr	52	72	2	46.96	1.21	ppb	60858.13	1.17	50	93.9	90	110	
Mn	55	72	2	51.26	2.57	ppb	21434.29	2.43	50	102.5	90	110	
Fe	57	72	2	4726.45	1.23	ppb	120464.83	1.28	5000	94.5	90	110	
Co	59	72	2	48.82	0.32	ppb	130671.72	0.44	50	97.6	90	110	
Ni	60	72	2	50.59	1.72	ppb	39453.12	1.64	50	101.2	90	110	
Cu	63	72	2	49.11	0.57	ppb	113711.97	0.43	50	98.2	90	110	
Zn	66	72	2	49.91	4.87	ppb	10890.95	4.89	50	99.8	90	110	
As	75	72	2	53.28	2.49	ppb	5627.76	2.55	50	106.6	90	110	
Se	78	72	1	48.56	1.69	ppb	22583.74	1.56	50	97.1	90	110	
Nb	93	72	2	105.64	0.31	ppb	314764.57	0.41	100	105.6	90	110	
Mo	95	115	2	46.33	2.86	ppb	47607.46	3.79	50	92.7	90	110	
Pd	105	115	2	46.93	2.83	ppb	93184.99	2.51	50	93.9	90	110	
Ag	107	115	2	48.26	1.71	ppb	214292.41	2.17	50	96.5	90	110	
Cd	111	115	2	50.69	2.84	ppb	21548.29	2.21	50	101.4	90	110	
Sn	120	115	2	50.98	1.70	ppb	49427.27	3.09	50	102.0	90	110	
Sb	121	115	2	53.26	2.17	ppb	32913.75	0.96	50	106.5	90	110	
Ba	137	115	2	53.32	2.25	ppb	11464.79	0.87	50	106.6	90	110	
W	182	165	2	49.93	1.26	ppb	303321.94	1.00	50	99.9	90	110	
Pt	195	165	2	48.58	0.62	ppb	266482.97	0.72	50	97.2	90	110	
Tl	205	165	2	53.46	0.98	ppb	488215.29	0.95	50	106.9	90	110	
Pb	208	165	2	54.66	0.65	ppb	627503.88	0.88	50	109.3	90	110	
Th	232	165	2	57.13	0.59	ppb	618340.24	0.73	50	114.3	90	110	6-CCV Main Failed
U	238	165	2	57.49	0.43	ppb	772893.53	0.63	50	115.0	90	110	6-CCV Main Failed

QC ISTD Table

Element	m/z	Tune Step	CPS	%RSD	Ref CPS	%Rec	QC Low	QC High	QC Flag
Li6	6	1	923857	2.13	1785568	51.7	60	125	IS Main Failed
Sc (IS)	45	2	652657	0.50	1044004	62.5	60	125	
Ge (IS)	72	1	14002989	0.15	25160288	55.7	60	125	IS Main Failed
Ge (IS)	72	2	963244	0.13	1449538	66.5	60	125	
115In	115	2	3096633	1.42	4071130	76.1	60	125	
Ho-165	165	2	20583093	0.27	25018358	82.3	60	125	

TuneStep	TuneFile
1	h2_hmi.u
2	he_hmi.u

Continuing Calibration Blank (CCB) - US EPA Method 6020

Sample Name	ccb-1394903
Data File Name	2116CCB.D
DataPath	d:\DATA\050212.B
Acq Date Time	2012-05-02T22:03:54-06:00
Type	6-CCB
VialNumber	1307
Dilution	1
Comment	
Operator	LMT
ISTDRefDataFileName	121CALB.D
SamplePassFail	Fail
ISTD PassFail	Pass

QC Analyte Table

Element	m/z	ISTD	Tune Step	Meas Value	%RSD	Units	CPS	CPS %RSD	QC High	QC Flag
Be	9	6	1	0.01	262.39	ppb	5.00	173.21	1	
Na	23	45	2	-57.68	-2.64	ppb	9769.93	3.99	20	
Mg	24	45	2	4.89	21.37	ppb	506.72	13.86	20	
Al	27	45	2	-0.82	-117.05	ppb	6.67	173.21	20	
K	39	45	2	1.55	87.40	ppb	1200.15	4.41	20	
Ca	44	45	2	36.68	35.50	ppb	80.01	25.00	20	6-CCB Main Failed
V	51	72	2	-0.14	-94.41	ppb	-74.62	-151.72	1	
Cr	52	72	2	-0.05	-66.30	ppb	53.34	78.07	1	
Mn	55	72	2	0.59	15.80	ppb	306.69	13.58	1	
Fe	57	72	2	3.94	51.19	ppb	193.35	26.04	20	
Co	59	72	2	0.00	#DIV/0!	ppb	0.00	#DIV/0!	1	
Ni	60	72	2	0.03	359.00	ppb	146.68	64.44	1	
Cu	63	72	2	-0.09	-151.64	ppb	1093.46	27.52	1	
Zn	66	72	2	-0.03	-1678.36	ppb	193.35	56.98	5	
As	75	72	2	0.13	86.61	ppb	13.33	86.60	5	
Se	78	72	1	0.07	62.02	ppb	41.33	47.74	5	
Nb	93	72	2	0.93	7.03	ppb	3000.55	7.21	5	
Mo	95	115	2	0.08	43.77	ppb	100.01	34.65	1	
Pd	105	115	2	0.05	69.00	ppb	93.34	68.88	1	
Ag	107	115	2	0.02	26.61	ppb	100.01	20.00	1	
Cd	111	115	2	-0.06	-47.84	ppb	6.67	173.21	1	
Sn	120	115	2	0.17	17.98	ppb	346.70	8.81	5	
Sb	121	115	2	0.09	20.29	ppb	126.68	9.12	0.2	
Ba	137	115	2	-0.09	-61.31	ppb	6.67	173.21	1	
W	182	165	2	0.09	17.64	ppb	1313.51	7.66	1	
Pt	195	165	2	0.02	70.40	ppb	140.01	42.86	1	
Tl	205	165	2	0.02	34.31	ppb	280.03	18.90	1	
Pb	208	165	2	0.01	54.76	ppb	1146.80	5.04	1	
Th	232	165	2	0.12	16.78	ppb	1520.21	13.74	1	
U	238	165	2	0.03	31.33	ppb	520.05	27.74	1	

QC ISTD Table

Element	m/z	Tune Step	CPS	%RSD	Ref CPS	%Rec	QC Low	QC High	QC Flag
Li6	6	1	895783	0.83	1785568	50.2	60	125	IS Main Failed
Sc (IS)	45	2	644804	1.54	1044004	61.8	60	125	
Ge (IS)	72	1	13779670	0.18	25160288	54.8	60	125	IS Main Failed
Ge (IS)	72	2	967154	0.82	1449538	66.7	60	125	
115In	115	2	3116316	0.32	4071130	76.5	60	125	
Ho-165	165	2	20586578	0.07	25018358	82.3	60	125	

TuneStep	TuneFile
1	h2_hmi.u
2	he_hmi.u

Sample Report

Sample Name	280-28240-G-12-E
Data File Name	212SMPL.D
DataPath	d:\DATA\050212.B
Acq Date Time	2012-05-02T22:06:53-06:00
Type	Sample
VialNumber	4307
Dilution	1
Comment	117694 6020
Operator	LMT
ISTDRefDataFileName	121CALB.D
SamplePassFail	Fail
ISTD PassFail	Pass

QC Analyte Table

Element	m/z	ISTD	Tune Step	Meas Value	FinalConc	%RSD	Units	CPS	CPS %RSD	High Value	QC Flag
Be	9	6	1	0.04	0.04	117.35	ppb	10.00	100.00	3600	
Na	23	45	2	26844.46	26844.46	20.34	ppb	3902975.15	7.18	1800000	
Mg	24	45	2	37287.36	37287.36	21.55	ppb	2191711.53	8.48	450000	
Al	27	45	2	1.01	1.01	81.61	ppb	26.67	43.30	450000	
K	39	45	2	8052.55	8052.55	19.20	ppb	200941.63	6.09	180000	
Ca	44	45	2	129798.13	129798.13	22.27	ppb	177214.50	9.12	450000	
V	51	72	2	0.35	0.35	10.29	ppb	311.02	9.99	3600	
Cr	52	72	2	0.10	0.10	11.66	ppb	220.02	15.74	3600	
Mn	55	72	2	928.73	928.73	21.17	ppb	336555.30	9.44	3600	
Fe	57	72	2	118.39	118.39	21.52	ppb	2700.46	9.63	90000	
Co	59	72	2	0.46	0.46	10.28	ppb	1080.15	9.80	3600	
Ni	60	72	2	0.32	0.32	73.56	ppb	326.70	53.49	3600	
Cu	63	72	2	0.21	0.21	64.33	ppb	1540.20	8.11	3600	
Zn	66	72	2	7.36	7.36	21.38	ppb	1546.86	7.90	3600	
As	75	72	2	10.47	10.47	28.59	ppb	956.73	17.25	3600	
Se	78	72	1	0.08	0.08	60.79	ppb	38.67	47.78	3600	
Nb	93	72	2	0.53	0.53	27.23	ppb	1553.56	14.24	7200	
Mo	95	115	2	1.05	1.05	23.96	ppb	986.79	16.39	3600	
Pd	105	115	2	0.01	0.01	98.13	ppb	20.00	100.00	3600	
Ag	107	115	2	0.01	0.01	20.69	ppb	53.34	21.65	900	
Cd	111	115	2	0.03	0.03	143.23	ppb	40.00	50.00	3600	
Sn	120	115	2	0.08	0.08	342.16	ppb	240.02	108.33	3600	
Sb	121	115	2	0.04	0.04	203.26	ppb	93.34	65.47	3600	
Ba	137	115	2	124.15	124.15	22.77	ppb	23805.22	10.04	3600	
W	182	165	2	0.18	0.18	10.86	ppb	1686.94	18.42	3600	
Pt	195	165	2	0.00	0.00	-4031.11	ppb	46.67	65.47	3600	
Tl	205	165	2	0.01	0.01	47.72	ppb	166.68	18.33	3600	
Pb	208	165	2	0.03	0.03	46.57	ppb	1253.46	21.78	3600	
Th	232	165	2	0.59	0.59	11.34	ppb	6055.06	2.20	3600	
U	238	165	2	0.05	0.05	40.11	ppb	680.07	26.14	3600	

QC ISTD Table

Element	m/z	Tune Step	CPS	%RSD	Ref CPS	%Rec	Lower Limit	Upper Limit	QC Flag
Li6	6	1	781895	0.92	1785568	43.8	60	125	IS Main Failed
Sc (IS)	45	2	595002	12.02	1044004	57.0	60	125	IS Main Failed
Ge (IS)	72	1	11568706	0.71	25160288	46.0	60	125	IS Main Failed
Ge (IS)	72	2	849787	10.80	1449538	58.6	60	125	IS Main Failed
115In	115	2	2813814	11.75	4071130	69.1	60	125	
Ho-165	165	2	18953640	12.46	25018358	75.8	60	125	

TuneStep	TuneFile	TuneDate
1	h2_hmi.u	5/2/2012 10:05:00 PM
2	he_hmi.u	5/2/2012 10:05:00 PM

Sample Report

Sample Name	280-28240-G-13-E
Data File Name	213SMPL.D
DataPath	d:\DATA\050212.B
Acq Date Time	2012-05-02T22:09:54-06:00
Type	Sample
VialNumber	4308
Dilution	1
Comment	117694 6020
Operator	LMT
ISTDRefDataFileName	121CALB.D
SamplePassFail	Fail
ISTD PassFail	Pass

QC Analyte Table

Element	m/z	ISTD	Tune Step	Meas Value	FinalConc	%RSD	Units	CPS	CPS %RSD	High Value	QC Flag
Be	9	6	1	0.01	0.01	326.95	ppb	3.33	173.21	3600	
Na	23	45	2	-23.44	-23.44	-28.34	ppb	14540.13	6.50	1800000	
Mg	24	45	2	7.53	7.53	39.25	ppb	646.73	27.89	450000	
Al	27	45	2	2.11	2.11	285.94	ppb	40.00	173.21	450000	
K	39	45	2	-1.49	-1.49	-659.72	ppb	1066.80	24.11	180000	
Ca	44	45	2	15.93	15.93	279.12	ppb	46.67	137.77	450000	
V	51	72	2	0.03	0.03	260.56	ppb	71.01	104.20	3600	
Cr	52	72	2	0.06	0.06	46.62	ppb	180.01	19.25	3600	
Mn	55	72	2	0.51	0.51	37.91	ppb	253.36	29.89	3600	
Fe	57	72	2	1.67	1.67	189.73	ppb	126.68	59.78	90000	
Co	59	72	2	0.00	0.00	#DIV/0!	ppb	0.00	#DIV/0!	3600	
Ni	60	72	2	0.07	0.07	321.22	ppb	166.68	104.84	3600	
Cu	63	72	2	-0.05	-0.05	-36.95	ppb	1093.46	3.81	3600	
Zn	66	72	2	0.30	0.30	84.70	ppb	246.70	20.40	3600	
As	75	72	2	0.03	0.03	173.21	ppb	3.33	173.21	3600	
Se	78	72	1	0.02	0.02	92.30	ppb	16.00	43.30	3600	
Nb	93	72	2	0.21	0.21	30.25	ppb	780.09	21.91	7200	
Mo	95	115	2	-0.01	-0.01	-343.55	ppb	13.33	173.21	3600	
Pd	105	115	2	0.01	0.01	100.74	ppb	20.00	100.00	3600	
Ag	107	115	2	0.00	0.00	1658.69	ppb	26.67	114.56	900	
Cd	111	115	2	-0.06	-0.06	-49.13	ppb	6.67	173.21	3600	
Sn	120	115	2	0.03	0.03	674.03	ppb	200.02	91.65	3600	
Sb	121	115	2	-0.05	-0.05	-118.27	ppb	40.01	86.60	3600	
Ba	137	115	2	0.10	0.10	52.51	ppb	46.67	24.74	3600	
W	182	165	2	0.06	0.06	38.53	ppb	1066.82	12.76	3600	
Pt	195	165	2	0.00	0.00	-25976.35	ppb	53.34	114.57	3600	
Tl	205	165	2	0.01	0.01	137.17	ppb	193.36	48.89	3600	
Pb	208	165	2	0.03	0.03	40.69	ppb	1360.18	9.18	3600	
Th	232	165	2	0.14	0.14	31.59	ppb	1706.93	26.37	3600	
U	238	165	2	0.00	0.00	2045.46	ppb	60.00	33.33	3600	

QC ISTD Table

Element	m/z	Tune Step	CPS	%RSD	Ref CPS	%Rec	Lower Limit	Upper Limit	QC Flag
Li6	6	1	809559	1.04	1785568	45.3	60	125	IS Main Failed
Sc (IS)	45	2	615854	0.52	1044004	59.0	60	125	IS Main Failed
Ge (IS)	72	1	12358465	0.45	25160288	49.1	60	125	IS Main Failed
Ge (IS)	72	2	904171	0.70	1449538	62.4	60	125	
115In	115	2	3032759	1.13	4071130	74.5	60	125	
Ho-165	165	2	20113407	1.02	25018358	80.4	60	125	

TuneStep	TuneFile	TuneDate
1	h2_hmi.u	5/2/2012 10:08:00 PM
2	he_hmi.u	5/2/2012 10:08:00 PM

Sample Report

Sample Name	280-28240-G-14-E
Data File Name	214SMPL.D
DataPath	d:\DATA\050212.B
Acq Date Time	2012-05-02T22:12:55-06:00
Type	Sample
VialNumber	4309
Dilution	1
Comment	117694 6020
Operator	LMT
ISTDRefDataFileName	121CALB.D
SamplePassFail	Fail
ISTD PassFail	Pass

QC Analyte Table

Element	m/z	ISTD	Tune Step	Meas Value	FinalConc	%RSD	Units	CPS	CPS %RSD	High Value	QC Flag
Be	9	6	1	0.00	0.00	1080.36	ppb	1.67	173.21	3600	
Na	23	45	2	84302.42	84302.42	1.88	ppb	12347762.73	0.95	1800000	
Mg	24	45	2	41255.62	41255.62	2.17	ppb	2452898.19	0.39	450000	
Al	27	45	2	5.37	5.37	101.53	ppb	73.34	78.74	450000	
K	39	45	2	1174.64	1174.64	3.47	ppb	30507.08	4.27	180000	
Ca	44	45	2	151355.32	151355.32	1.43	ppb	209162.91	1.00	450000	
V	51	72	2	4.84	4.84	7.01	ppb	3750.44	6.03	3600	
Cr	52	72	2	0.05	0.05	173.37	ppb	160.02	66.14	3600	
Mn	55	72	2	360.01	360.01	1.07	ppb	130147.00	1.97	3600	
Fe	57	72	2	3.61	3.61	90.16	ppb	160.02	45.07	90000	
Co	59	72	2	0.36	0.36	14.82	ppb	826.77	14.58	3600	
Ni	60	72	2	3.75	3.75	13.52	ppb	2627.08	12.89	3600	
Cu	63	72	2	0.98	0.98	6.74	ppb	3060.52	3.92	3600	
Zn	66	72	2	4.00	4.00	37.33	ppb	913.45	29.73	3600	
As	75	72	2	0.98	0.98	18.17	ppb	90.00	19.25	3600	
Se	78	72	1	6.99	6.99	4.84	ppb	2498.89	5.24	3600	
Nb	93	72	2	0.11	0.11	72.16	ppb	480.05	44.10	7200	
Mo	95	115	2	2.63	2.63	8.77	ppb	2473.72	9.65	3600	
Pd	105	115	2	0.01	0.01	173.21	ppb	13.33	173.21	3600	
Ag	107	115	2	0.01	0.01	53.17	ppb	66.67	34.65	900	
Cd	111	115	2	0.17	0.17	76.09	ppb	93.34	53.93	3600	
Sn	120	115	2	21.34	21.34	6.23	ppb	18891.94	5.56	3600	
Sb	121	115	2	0.14	0.14	122.31	ppb	140.01	65.47	3600	
Ba	137	115	2	190.58	190.58	3.13	ppb	37196.28	2.12	3600	
W	182	165	2	0.03	0.03	67.51	ppb	873.43	14.54	3600	
Pt	195	165	2	0.00	0.00	1091.72	ppb	53.34	57.29	3600	
Tl	205	165	2	0.01	0.01	15.84	ppb	240.02	8.33	3600	
Pb	208	165	2	0.02	0.02	17.46	ppb	1180.13	3.39	3600	
Th	232	165	2	0.06	0.06	30.84	ppb	880.11	21.68	3600	
U	238	165	2	12.39	12.39	1.27	ppb	153913.88	1.18	3600	

QC ISTD Table

Element	m/z	Tune Step	CPS	%RSD	Ref CPS	%Rec	Lower Limit	Upper Limit	QC Flag
Li6	6	1	721729	1.25	1785568	40.4	60	125	IS Main Failed
Sc (IS)	45	2	591654	2.16	1044004	56.7	60	125	IS Main Failed
Ge (IS)	72	1	10732857	0.81	25160288	42.7	60	125	IS Main Failed
Ge (IS)	72	2	834617	1.02	1449538	57.6	60	125	IS Main Failed
115In	115	2	2815275	1.03	4071130	69.2	60	125	
Ho-165	165	2	19006046	0.31	25018358	76.0	60	125	

TuneStep	TuneFile	TuneDate
1	h2_hmi.u	5/2/2012 10:11:00 PM
2	he_hmi.u	5/2/2012 10:11:00 PM

Sample Report

Sample Name	280-28240-G-15-E
Data File Name	215SMPL.D
DataPath	d:\DATA\050212.B
Acq Date Time	2012-05-02T22:15:54-06:00
Type	Sample
VialNumber	4310
Dilution	1
Comment	117694 6020
Operator	LMT
ISTDRefDataFileName	121CALB.D
SamplePassFail	Fail
ISTD PassFail	Pass

QC Analyte Table

Element	m/z	ISTD	Tune Step	Meas Value	FinalConc	%RSD	Units	CPS	CPS %RSD	High Value	QC Flag
Be	9	6	1	-0.01	-0.01	0.00	ppb	0.00	#DIV/0!	3600	
Na	23	45	2	28215.46	28215.46	2.17	ppb	4123366.40	1.01	1800000	
Mg	24	45	2	25796.14	25796.14	2.38	ppb	1526141.33	1.29	450000	
Al	27	45	2	-0.14	-0.14	-1557.84	ppb	13.33	173.21	450000	
K	39	45	2	1075.06	1075.06	5.41	ppb	27856.36	4.29	180000	
Ca	44	45	2	96330.13	96330.13	1.58	ppb	132457.22	0.53	450000	
V	51	72	2	3.81	3.81	6.09	ppb	2993.82	5.92	3600	
Cr	52	72	2	0.08	0.08	154.41	ppb	186.69	71.34	3600	
Mn	55	72	2	473.43	473.43	1.52	ppb	172976.79	1.36	3600	
Fe	57	72	2	2.65	2.65	117.60	ppb	140.01	49.49	90000	
Co	59	72	2	0.37	0.37	12.63	ppb	866.77	12.71	3600	
Ni	60	72	2	4.41	4.41	4.95	ppb	3107.22	5.00	3600	
Cu	63	72	2	0.31	0.31	31.83	ppb	1746.89	11.47	3600	
Zn	66	72	2	5.00	5.00	8.54	ppb	1113.46	7.26	3600	
As	75	72	2	0.79	0.79	34.34	ppb	73.33	34.32	3600	
Se	78	72	1	0.07	0.07	59.03	ppb	33.33	45.43	3600	
Nb	93	72	2	0.04	0.04	37.67	ppb	280.02	12.37	7200	
Mo	95	115	2	0.96	0.96	17.53	ppb	920.12	16.98	3600	
Pd	105	115	2	0.01	0.01	173.21	ppb	26.67	173.21	3600	
Ag	107	115	2	0.00	0.00	-69.65	ppb	6.67	173.21	900	
Cd	111	115	2	0.31	0.31	86.25	ppb	146.68	69.98	3600	
Sn	120	115	2	0.54	0.54	20.98	ppb	640.08	16.54	3600	
Sb	121	115	2	0.26	0.26	44.32	ppb	213.35	30.14	3600	
Ba	137	115	2	200.79	200.79	3.94	ppb	39441.86	4.52	3600	
W	182	165	2	0.03	0.03	121.52	ppb	886.77	26.34	3600	
Pt	195	165	2	0.00	0.00	195.26	ppb	66.67	45.83	3600	
Tl	205	165	2	0.02	0.02	30.52	ppb	253.36	16.43	3600	
Pb	208	165	2	0.05	0.05	26.67	ppb	1493.49	9.50	3600	
Th	232	165	2	0.03	0.03	27.59	ppb	533.39	14.20	3600	
U	238	165	2	1.58	1.58	2.47	ppb	19807.52	2.56	3600	

QC ISTD Table

Element	m/z	Tune Step	CPS	%RSD	Ref CPS	%Rec	Lower Limit	Upper Limit	QC Flag
Li6	6	1	740727	0.65	1785568	41.5	60	125	IS Main Failed
Sc (IS)	45	2	588621	1.14	1044004	56.4	60	125	IS Main Failed
Ge (IS)	72	1	11251316	0.73	25160288	44.7	60	125	IS Main Failed
Ge (IS)	72	2	843676	0.21	1449538	58.2	60	125	IS Main Failed
115In	115	2	2832440	0.94	4071130	69.6	60	125	
Ho-165	165	2	19178692	0.19	25018358	76.7	60	125	

TuneStep	TuneFile	TuneDate
1	h2_hmi.u	5/2/2012 10:14:00 PM
2	he_hmi.u	5/2/2012 10:14:00 PM

Sample Report

Sample Name	280-28240-H-16-B
Data File Name	216SMPL.D
DataPath	d:\DATA\050212.B
Acq Date Time	2012-05-02T22:18:53-06:00
Type	Sample
VialNumber	4311
Dilution	1
Comment	117694 6020
Operator	LMT
ISTDRefDataFileName	121CALB.D
SamplePassFail	Fail
ISTD PassFail	Pass

QC Analyte Table

Element	m/z	ISTD	Tune Step	Meas Value	FinalConc	%RSD	Units	CPS	CPS %RSD	High Value	QC Flag
Be	9	6	1	0.00	0.00	957.50	ppb	1.67	173.21	3600	
Na	23	45	2	57001.67	57001.67	1.73	ppb	8121341.34	0.89	1800000	
Mg	24	45	2	51428.69	51428.69	0.20	ppb	2972801.00	0.89	450000	
Al	27	45	2	1.75	1.75	124.20	ppb	33.34	69.29	450000	
K	39	45	2	9825.10	9825.10	2.81	ppb	240351.04	1.89	180000	
Ca	44	45	2	192119.04	192119.04	1.19	ppb	258069.56	0.29	450000	
V	51	72	2	0.01	0.01	1488.53	ppb	45.39	213.09	3600	
Cr	52	72	2	0.10	0.10	81.75	ppb	206.69	43.64	3600	
Mn	55	72	2	2762.11	2762.11	0.72	ppb	977835.32	0.44	3600	
Fe	57	72	2	8.07	8.07	27.71	ppb	253.36	19.87	90000	
Co	59	72	2	0.66	0.66	10.31	ppb	1500.20	9.61	3600	
Ni	60	72	2	0.21	0.21	115.27	ppb	240.02	66.67	3600	
Cu	63	72	2	-0.06	-0.06	-61.57	ppb	973.44	7.78	3600	
Zn	66	72	2	1.20	1.20	42.55	ppb	386.71	23.33	3600	
As	75	72	2	1.08	1.08	85.02	ppb	96.67	84.26	3600	
Se	78	72	1	0.05	0.05	55.58	ppb	25.33	39.74	3600	
Nb	93	72	2	-0.01	-0.01	-241.39	ppb	160.01	33.07	7200	
Mo	95	115	2	2.80	2.80	8.86	ppb	2613.77	8.60	3600	
Pd	105	115	2	0.01	0.01	86.60	ppb	26.67	86.60	3600	
Ag	107	115	2	0.00	0.00	-71.11	ppb	6.67	173.21	900	
Cd	111	115	2	0.02	0.02	197.78	ppb	33.33	34.64	3600	
Sn	120	115	2	0.06	0.06	120.67	ppb	213.35	30.14	3600	
Sb	121	115	2	-0.02	-0.02	-214.55	ppb	53.34	43.31	3600	
Ba	137	115	2	191.80	191.80	3.91	ppb	37109.26	3.97	3600	
W	182	165	2	0.16	0.16	7.80	ppb	1566.90	5.31	3600	
Pt	195	165	2	0.00	0.00	-251.19	ppb	33.33	124.90	3600	
Tl	205	165	2	-0.01	-0.01	-71.42	ppb	33.34	173.21	3600	
Pb	208	165	2	0.27	0.27	14.70	ppb	3793.90	11.37	3600	
Th	232	165	2	0.03	0.03	26.23	ppb	553.40	13.69	3600	
U	238	165	2	0.72	0.72	8.80	ppb	8863.36	9.78	3600	

QC ISTD Table

Element	m/z	Tune Step	CPS	%RSD	Ref CPS	%Rec	Lower Limit	Upper Limit	QC Flag
Li6	6	1	713350	0.72	1785568	40.0	60	125	IS Main Failed
Sc (IS)	45	2	575052	0.98	1044004	55.1	60	125	IS Main Failed
Ge (IS)	72	1	10516812	0.11	25160288	41.8	60	125	IS Main Failed
Ge (IS)	72	2	817672	0.81	1449538	56.4	60	125	IS Main Failed
115In	115	2	2790180	0.19	4071130	68.5	60	125	
Ho-165	165	2	18780322	1.03	25018358	75.1	60	125	

TuneStep	TuneFile	TuneDate
1	h2_hmi.u	5/2/2012 10:17:00 PM
2	he_hmi.u	5/2/2012 10:17:00 PM

Sample Report

Sample Name	280-28240-G-17-E
Data File Name	217SMPL.D
DataPath	d:\DATA\050212.B
Acq Date Time	2012-05-02T22:21:54-06:00
Type	Sample
VialNumber	4312
Dilution	1
Comment	117694 6020
Operator	LMT
ISTDRefDataFileName	121CALB.D
SamplePassFail	Fail
ISTD PassFail	Pass

QC Analyte Table

Element	m/z	ISTD	Tune Step	Meas Value	FinalConc	%RSD	Units	CPS	CPS %RSD	High Value	QC Flag
Be	9	6	1	0.02	0.02	238.33	ppb	5.00	173.21	3600	
Na	23	45	2	60944.02	60944.02	0.61	ppb	8715498.00	0.76	1800000	
Mg	24	45	2	47916.86	47916.86	1.74	ppb	2780148.40	1.38	450000	
Al	27	45	2	3.60	3.60	30.56	ppb	53.33	21.65	450000	
K	39	45	2	9334.09	9334.09	3.45	ppb	229271.84	3.05	180000	
Ca	44	45	2	174926.17	174926.17	2.22	ppb	235871.62	2.01	450000	
V	51	72	2	0.47	0.47	21.38	ppb	394.44	19.42	3600	
Cr	52	72	2	0.04	0.04	48.43	ppb	140.01	14.28	3600	
Mn	55	72	2	1077.90	1077.90	0.51	ppb	384778.80	0.68	3600	
Fe	57	72	2	35.22	35.22	6.72	ppb	846.76	5.94	90000	
Co	59	72	2	0.28	0.28	13.03	ppb	633.39	13.15	3600	
Ni	60	72	2	0.18	0.18	67.71	ppb	220.02	36.36	3600	
Cu	63	72	2	0.15	0.15	84.22	ppb	1393.51	17.54	3600	
Zn	66	72	2	1.61	1.61	74.44	ppb	466.72	47.40	3600	
As	75	72	2	15.75	15.75	11.91	ppb	1423.45	11.95	3600	
Se	78	72	1	0.16	0.16	9.71	ppb	65.33	9.35	3600	
Nb	93	72	2	0.03	0.03	100.75	ppb	246.69	26.07	7200	
Mo	95	115	2	1.22	1.22	30.05	ppb	1153.51	28.72	3600	
Pd	105	115	2	0.01	0.01	173.21	ppb	13.33	173.21	3600	
Ag	107	115	2	0.00	0.00	-234.68	ppb	13.33	173.21	900	
Cd	111	115	2	0.02	0.02	203.44	ppb	33.33	34.64	3600	
Sn	120	115	2	0.12	0.12	123.92	ppb	266.69	49.94	3600	
Sb	121	115	2	-0.07	-0.07	-60.69	ppb	26.67	86.60	3600	
Ba	137	115	2	278.20	278.20	0.75	ppb	54062.56	1.49	3600	
W	182	165	2	0.12	0.12	18.82	ppb	1320.18	9.46	3600	
Pt	195	165	2	0.00	0.00	-419.35	ppb	40.00	100.00	3600	
Tl	205	165	2	0.00	0.00	-173.88	ppb	80.01	75.00	3600	
Pb	208	165	2	0.08	0.08	35.62	ppb	1740.22	16.58	3600	
Th	232	165	2	0.02	0.02	80.75	ppb	400.04	30.42	3600	
U	238	165	2	0.17	0.17	17.20	ppb	2147.02	16.91	3600	

QC ISTD Table

Element	m/z	Tune Step	CPS	%RSD	Ref CPS	%Rec	Lower Limit	Upper Limit	QC Flag
Li6	6	1	708124	0.76	1785568	39.7	60	125	IS Main Failed
Sc (IS)	45	2	577226	0.74	1044004	55.3	60	125	IS Main Failed
Ge (IS)	72	1	10671702	0.73	25160288	42.4	60	125	IS Main Failed
Ge (IS)	72	2	824396	0.18	1449538	56.9	60	125	IS Main Failed
115In	115	2	2802962	1.00	4071130	68.8	60	125	
Ho-165	165	2	18658441	0.34	25018358	74.6	60	125	

TuneStep	TuneFile	TuneDate
1	h2_hmi.u	5/2/2012 10:20:00 PM
2	he_hmi.u	5/2/2012 10:20:00 PM

Sample Report

Sample Name	280-28240-G-18-E
Data File Name	218SMPL.D
DataPath	d:\DATA\050212.B
Acq Date Time	2012-05-02T22:24:54-06:00
Type	Sample
VialNumber	4401
Dilution	1
Comment	117694 6020
Operator	LMT
ISTDRefDataFileName	121CALB.D
SamplePassFail	Fail
ISTD PassFail	Pass

QC Analyte Table

Element	m/z	ISTD	Tune Step	Meas Value	FinalConc	%RSD	Units	CPS	CPS %RSD	High Value	QC Flag
Be	9	6	1	0.00	0.00	868.19	ppb	1.67	173.21	3600	
Na	23	45	2	59447.64	59447.64	1.94	ppb	8436816.33	1.01	1800000	
Mg	24	45	2	58344.67	58344.67	2.13	ppb	3359295.68	1.09	450000	
Al	27	45	2	7.41	7.41	39.77	ppb	93.34	32.73	450000	
K	39	45	2	12135.01	12135.01	1.56	ppb	295517.83	0.99	180000	
Ca	44	45	2	227890.86	227890.86	1.52	ppb	304955.58	1.02	450000	
V	51	72	2	0.08	0.08	278.25	ppb	96.37	166.16	3600	
Cr	52	72	2	-0.01	-0.01	-730.55	ppb	86.68	93.26	3600	
Mn	55	72	2	621.01	621.01	1.49	ppb	220408.17	0.92	3600	
Fe	57	72	2	11.12	11.12	37.33	ppb	320.03	28.64	90000	
Co	59	72	2	0.15	0.15	79.50	ppb	333.37	79.90	3600	
Ni	60	72	2	0.10	0.10	126.01	ppb	166.68	48.49	3600	
Cu	63	72	2	0.02	0.02	1306.79	ppb	1126.80	34.71	3600	
Zn	66	72	2	0.97	0.97	13.65	ppb	346.70	6.66	3600	
As	75	72	2	3.86	3.86	18.05	ppb	346.68	17.39	3600	
Se	78	72	1	0.10	0.10	64.53	ppb	41.33	53.30	3600	
Nb	93	72	2	0.00	0.00	906.41	ppb	186.68	24.74	7200	
Mo	95	115	2	1.09	1.09	10.08	ppb	1020.13	8.55	3600	
Pd	105	115	2	0.01	0.01	173.21	ppb	13.33	173.21	3600	
Ag	107	115	2	-0.01	-0.01	0.00	ppb	0.00	#DIV/0!	900	
Cd	111	115	2	0.05	0.05	218.05	ppb	46.67	89.21	3600	
Sn	120	115	2	-0.01	-0.01	-503.23	ppb	153.35	19.92	3600	
Sb	121	115	2	-0.03	-0.03	-137.32	ppb	46.67	49.49	3600	
Ba	137	115	2	277.03	277.03	3.45	ppb	53220.13	2.33	3600	
W	182	165	2	0.10	0.10	35.40	ppb	1200.15	14.24	3600	
Pt	195	165	2	0.00	0.00	296.08	ppb	66.67	75.50	3600	
Tl	205	165	2	-0.01	-0.01	-63.07	ppb	60.00	57.74	3600	
Pb	208	165	2	-0.01	-0.01	-285.11	ppb	840.10	35.56	3600	
Th	232	165	2	0.00	0.00	172.28	ppb	280.03	18.90	3600	
U	238	165	2	0.49	0.49	2.05	ppb	5975.05	1.18	3600	

QC ISTD Table

Element	m/z	Tune Step	CPS	%RSD	Ref CPS	%Rec	Lower Limit	Upper Limit	QC Flag
Li6	6	1	694917	0.30	1785568	38.9	60	125	IS Main Failed
Sc (IS)	45	2	572872	1.04	1044004	54.9	60	125	IS Main Failed
Ge (IS)	72	1	10301564	0.34	25160288	40.9	60	125	IS Main Failed
Ge (IS)	72	2	819631	0.68	1449538	56.5	60	125	IS Main Failed
115In	115	2	2771897	1.65	4071130	68.1	60	125	
Ho-165	165	2	18664149	1.31	25018358	74.6	60	125	

TuneStep	TuneFile	TuneDate
1	h2_hmi.u	5/2/2012 10:23:00 PM
2	he_hmi.u	5/2/2012 10:23:00 PM

Sample Report

Sample Name	280-28240-G-19-E
Data File Name	219SMPL.D
DataPath	d:\DATA\050212.B
Acq Date Time	2012-05-02T22:27:55-06:00
Type	Sample
VialNumber	4402
Dilution	1
Comment	117694 6020
Operator	LMT
ISTDRefDataFileName	121CALB.D
SamplePassFail	Fail
ISTD PassFail	Pass

QC Analyte Table

Element	m/z	ISTD	Tune Step	Meas Value	FinalConc	%RSD	Units	CPS	CPS %RSD	High Value	QC Flag
Be	9	6	1	0.01	0.01	291.78	ppb	3.33	173.21	3600	
Na	23	45	2	60181.18	60181.18	0.64	ppb	8336349.67	0.63	1800000	
Mg	24	45	2	60041.13	60041.13	1.03	ppb	3374354.95	1.18	450000	
Al	27	45	2	2.47	2.47	77.47	ppb	40.00	50.01	450000	
K	39	45	2	12299.60	12299.60	0.85	ppb	292333.41	0.89	180000	
Ca	44	45	2	236437.88	236437.88	0.37	ppb	308810.79	0.73	450000	
V	51	72	2	0.00	0.00	491.19	ppb	39.25	23.42	3600	
Cr	52	72	2	0.12	0.12	105.58	ppb	220.03	59.61	3600	
Mn	55	72	2	635.77	635.77	1.41	ppb	219183.46	1.83	3600	
Fe	57	72	2	29.01	29.01	24.61	ppb	686.75	21.47	90000	
Co	59	72	2	0.15	0.15	39.64	ppb	333.37	39.04	3600	
Ni	60	72	2	0.16	0.16	72.74	ppb	200.03	36.06	3600	
Cu	63	72	2	0.79	0.79	10.97	ppb	2560.38	6.25	3600	
Zn	66	72	2	0.35	0.35	113.08	ppb	226.69	30.99	3600	
As	75	72	2	4.51	4.51	21.05	ppb	393.35	20.71	3600	
Se	78	72	1	0.11	0.11	23.84	ppb	44.00	18.18	3600	
Nb	93	72	2	0.00	0.00	959.61	ppb	180.01	19.25	7200	
Mo	95	115	2	1.17	1.17	8.35	ppb	1066.80	7.81	3600	
Pd	105	115	2	0.01	0.01	173.21	ppb	20.00	173.21	3600	
Ag	107	115	2	0.01	0.01	74.65	ppb	53.33	43.30	900	
Cd	111	115	2	0.05	0.05	229.95	ppb	46.67	98.98	3600	
Sn	120	115	2	-0.05	-0.05	-141.79	ppb	113.34	50.94	3600	
Sb	121	115	2	-0.12	-0.12	0.00	ppb	0.00	#DIV/0!	3600	
Ba	137	115	2	284.19	284.19	2.69	ppb	53152.68	2.29	3600	
W	182	165	2	0.15	0.15	13.49	ppb	1460.22	6.85	3600	
Pt	195	165	2	0.00	0.00	1340.96	ppb	53.34	114.57	3600	
Tl	205	165	2	-0.01	-0.01	-38.62	ppb	33.33	91.65	3600	
Pb	208	165	2	0.18	0.18	24.29	ppb	2727.02	15.39	3600	
Th	232	165	2	0.00	0.00	-960.80	ppb	226.69	75.04	3600	
U	238	165	2	0.48	0.48	2.42	ppb	5795.00	2.02	3600	

QC ISTD Table

Element	m/z	Tune Step	CPS	%RSD	Ref CPS	%Rec	Lower Limit	Upper Limit	QC Flag
Li6	6	1	689400	2.78	1785568	38.6	60	125	IS Main Failed
Sc (IS)	45	2	559096	0.37	1044004	53.6	60	125	IS Main Failed
Ge (IS)	72	1	10309981	3.60	25160288	41.0	60	125	IS Main Failed
Ge (IS)	72	2	796097	0.76	1449538	54.9	60	125	IS Main Failed
115In	115	2	2697925	0.39	4071130	66.3	60	125	
Ho-165	165	2	18292880	0.67	25018358	73.1	60	125	

TuneStep	TuneFile	TuneDate
1	h2_hmi.u	5/2/2012 10:26:00 PM
2	he_hmi.u	5/2/2012 10:26:00 PM

Continuing Calibration Verification (CCV) - US EPA Method 6020

Sample Name	ccv-1394868
Data File Name	2206CCV.D
DataPath	d:\DATA\050212.B
Acq Date Time	2012-05-02T22:30:54-06:00
Type	6-CCV
VialNumber	1107
Dilution	1
Comment	
Operator	LMT
ISTDRefDataFileName	121CALB.D
SamplePassFail	Fail
ISTD PassFail	Pass

QC Analyte Table

Element	m/z	ISTD	Tune Step	Meas Value	%RSD	Units	CPS	CPS%RSD	Exp Value	%Rec	QC Low	QC High	QC Flag
Be	9	6	1	56.63	2.27	ppb	11635.45	1.74	50	113.3	90	110	6-CCV Main Failed
Na	23	45	2	4595.32	1.22	ppb	663956.89	0.60	5000	91.9	90	110	
Mg	24	45	2	4805.52	1.31	ppb	275291.63	0.98	5000	96.1	90	110	
Al	27	45	2	5198.94	1.85	ppb	55070.93	2.29	5000	104.0	90	110	
K	39	45	2	5028.26	1.17	ppb	122361.00	1.28	5000	100.6	90	110	
Ca	44	45	2	5663.11	4.84	ppb	7555.49	4.29	5000	113.3	90	110	6-CCV Main Failed
V	51	72	2	49.14	5.81	ppb	38362.66	5.34	50	98.3	90	110	
Cr	52	72	2	46.13	3.57	ppb	52626.30	3.18	50	92.3	90	110	
Mn	55	72	2	51.37	4.85	ppb	18911.25	5.11	50	102.7	90	110	
Fe	57	72	2	4788.25	1.31	ppb	107420.14	0.86	5000	95.8	90	110	
Co	59	72	2	47.04	3.27	ppb	110820.57	2.85	50	94.1	90	110	
Ni	60	72	2	47.64	1.33	ppb	32711.68	1.58	50	95.3	90	110	
Cu	63	72	2	47.93	1.81	ppb	97725.99	2.28	50	95.9	90	110	
Zn	66	72	2	51.34	0.80	ppb	9857.02	1.24	50	102.7	90	110	
As	75	72	2	51.81	3.18	ppb	4817.50	3.67	50	103.6	90	110	
Se	78	72	1	48.83	4.59	ppb	19582.89	3.48	50	97.7	90	110	
Nb	93	72	2	107.34	0.98	ppb	281534.42	1.40	100	107.3	90	110	
Mo	95	115	2	44.61	1.93	ppb	41531.56	2.11	50	89.2	90	110	6-CCV Main Failed
Pd	105	115	2	45.59	1.90	ppb	82036.20	2.59	50	91.2	90	110	
Ag	107	115	2	46.62	2.01	ppb	187533.08	1.19	50	93.2	90	110	
Cd	111	115	2	48.24	4.80	ppb	18585.03	4.35	50	96.5	90	110	
Sn	120	115	2	50.92	1.39	ppb	44720.50	2.12	50	101.8	90	110	
Sb	121	115	2	51.22	2.29	ppb	28692.80	3.04	50	102.4	90	110	
Ba	137	115	2	52.26	1.01	ppb	10183.98	0.34	50	104.5	90	110	
W	182	165	2	49.20	1.68	ppb	274405.84	1.47	50	98.4	90	110	
Pt	195	165	2	47.88	0.53	ppb	241133.05	0.52	50	95.8	90	110	
Tl	205	165	2	54.54	0.41	ppb	457279.94	0.94	50	109.1	90	110	
Pb	208	165	2	54.69	1.09	ppb	576435.16	0.34	50	109.4	90	110	
Th	232	165	2	58.52	0.73	ppb	581516.33	0.07	50	117.0	90	110	6-CCV Main Failed
U	238	165	2	58.33	0.17	ppb	719966.21	0.57	50	116.7	90	110	6-CCV Main Failed

QC ISTD Table

Element	m/z	Tune Step	CPS	%RSD	Ref CPS	%Rec	QC Low	QC High	QC Flag
Li6	6	1	744708	0.62	1785568	41.7	60	125	IS Main Failed
Sc (IS)	45	2	569607	0.71	1044004	54.6	60	125	IS Main Failed
Ge (IS)	72	1	12079179	1.21	25160288	48.0	60	125	IS Main Failed
Ge (IS)	72	2	847898	0.50	1449538	58.5	60	125	IS Main Failed
115In	115	2	2805768	0.83	4071130	68.9	60	125	
Ho-165	165	2	18896826	0.75	25018358	75.5	60	125	

TuneStep	TuneFile
1	h2_hmi.u
2	he_hmi.u

Continuing Calibration Blank (CCB) - US EPA Method 6020

Sample Name	ccb-1394903
Data File Name	2216CCB.D
DataPath	d:\DATA\050212.B
Acq Date Time	2012-05-02T22:33:54-06:00
Type	6-CCB
VialNumber	1307
Dilution	1
Comment	
Operator	LMT
ISTDRefDataFileName	121CALB.D
SamplePassFail	Fail
ISTD PassFail	Pass

QC Analyte Table

Element	m/z	ISTD	Tune Step	Meas Value	%RSD	Units	CPS	CPS %RSD	QC High	QC Flag
Be	9	6	1	-0.01	0.00	ppb	0.00	#DIV/0!	1	
Na	23	45	2	-68.61	-2.40	ppb	6935.21	2.89	20	
Mg	24	45	2	4.57	46.50	ppb	420.04	28.57	20	
Al	27	45	2	3.10	91.34	ppb	46.67	65.48	20	
K	39	45	2	-7.28	-78.05	ppb	826.77	14.58	20	
Ca	44	45	2	-6.27	-140.09	ppb	13.33	86.60	20	
V	51	72	2	0.04	126.66	ppb	74.01	59.17	1	
Cr	52	72	2	0.02	458.42	ppb	120.01	76.38	1	
Mn	55	72	2	0.10	194.89	ppb	86.67	81.05	1	
Fe	57	72	2	0.84	278.80	ppb	100.01	52.92	20	
Co	59	72	2	0.01	99.24	ppb	20.00	100.00	1	
Ni	60	72	2	0.14	43.31	ppb	200.02	20.00	1	
Cu	63	72	2	-0.08	-29.34	ppb	960.12	6.25	1	
Zn	66	72	2	-0.18	-4.69	ppb	140.01	0.00	5	
As	75	72	2	0.18	91.40	ppb	16.67	91.65	5	
Se	78	72	1	0.02	134.31	ppb	16.00	66.14	5	
Nb	93	72	2	0.93	11.16	ppb	2600.44	9.64	5	
Mo	95	115	2	0.04	46.84	ppb	60.01	33.34	1	
Pd	105	115	2	0.05	75.52	ppb	86.68	74.18	1	
Ag	107	115	2	0.02	26.77	ppb	100.01	20.00	1	
Cd	111	115	2	0.07	195.28	ppb	53.34	94.37	1	
Sn	120	115	2	0.22	55.55	ppb	353.36	29.05	5	
Sb	121	115	2	0.09	104.83	ppb	113.35	44.41	0.2	
Ba	137	115	2	-0.12	0.00	ppb	0.00	#DIV/0!	1	
W	182	165	2	0.10	39.31	ppb	1233.49	17.19	1	
Pt	195	165	2	0.00	-131.89	ppb	33.34	69.29	1	
Tl	205	165	2	0.02	65.78	ppb	293.36	39.95	1	
Pb	208	165	2	0.01	124.05	ppb	1100.13	17.34	1	
Th	232	165	2	0.12	11.38	ppb	1473.54	9.04	1	
U	238	165	2	0.02	24.67	ppb	326.70	19.68	1	

QC ISTD Table

Element	m/z	Tune Step	CPS	%RSD	Ref CPS	%Rec	QC Low	QC High	QC Flag
Li6	6	1	722302	0.17	1785568	40.5	60	125	IS Main Failed
Sc (IS)	45	2	557321	2.37	1044004	53.4	60	125	IS Main Failed
Ge (IS)	72	1	11663402	0.70	25160288	46.4	60	125	IS Main Failed
Ge (IS)	72	2	842528	1.15	1449538	58.1	60	125	IS Main Failed
115In	115	2	2812047	1.47	4071130	69.1	60	125	
Ho-165	165	2	18868180	1.25	25018358	75.4	60	125	

TuneStep	TuneFile
1	h2_hmi.u
2	he_hmi.u

Sample Report

Sample Name	rinse
Data File Name	222SMPL.D
DataPath	d:\DATA\050212.B
Acq Date Time	2012-05-02T22:36:53-06:00
Type	Sample
VialNumber	3
Dilution	1
Comment	
Operator	LMT
ISTDRefDataFileName	121CALB.D
SamplePassFail	Fail
ISTD PassFail	Pass

QC Analyte Table

Element	m/z	ISTD	Tune Step	Meas Value	FinalConc	%RSD	Units	CPS	CPS%RSD	High Value	QC Flag
Be	9	6	1	-0.01	-0.01	0.00	ppb	0.00	#DIV/0!	3600	
Na	23	45	2	-72.60	-72.60	-3.76	ppb	6241.51	5.55	1800000	
Mg	24	45	2	1.71	1.71	166.71	ppb	253.36	61.32	450000	
Al	27	45	2	0.60	0.60	327.64	ppb	20.00	100.00	450000	
K	39	45	2	-8.85	-8.85	-74.32	ppb	773.42	19.41	180000	
Ca	44	45	2	30.66	30.66	135.32	ppb	60.01	88.19	450000	
V	51	72	2	-0.20	-0.20	-47.31	ppb	-112.67	-63.31	3600	
Cr	52	72	2	-0.05	-0.05	-90.56	ppb	40.00	132.29	3600	
Mn	55	72	2	0.03	0.03	2.40	ppb	60.01	0.00	3600	
Fe	57	72	2	0.33	0.33	418.72	ppb	86.68	35.25	90000	
Co	59	72	2	0.01	0.01	86.60	ppb	26.67	86.60	3600	
Ni	60	72	2	0.02	0.02	570.17	ppb	113.35	53.91	3600	
Cu	63	72	2	-0.06	-0.06	-115.63	ppb	986.79	13.50	3600	
Zn	66	72	2	-0.02	-0.02	-1536.26	ppb	166.69	38.58	3600	
As	75	72	2	0.11	0.11	99.80	ppb	10.00	100.00	3600	
Se	78	72	1	0.01	0.01	110.79	ppb	13.33	45.83	3600	
Nb	93	72	2	0.20	0.20	7.57	ppb	693.41	6.00	7200	
Mo	95	115	2	0.00	0.00	1081.34	ppb	20.00	100.00	3600	
Pd	105	115	2	0.00	0.00	173.21	ppb	6.67	173.21	3600	
Ag	107	115	2	0.00	0.00	108.09	ppb	33.33	34.64	900	
Cd	111	115	2	0.00	0.00	-4035.08	ppb	26.67	114.57	3600	
Sn	120	115	2	0.06	0.06	91.48	ppb	213.35	23.60	3600	
Sb	121	115	2	-0.04	-0.04	-146.09	ppb	40.01	86.60	3600	
Ba	137	115	2	-0.08	-0.08	-71.47	ppb	6.67	173.21	3600	
W	182	165	2	0.02	0.02	89.30	ppb	786.77	12.54	3600	
Pt	195	165	2	0.01	0.01	96.37	ppb	93.34	44.60	3600	
Tl	205	165	2	0.00	0.00	486.67	ppb	140.02	89.22	3600	
Pb	208	165	2	0.00	0.00	84.91	ppb	966.78	2.39	3600	
Th	232	165	2	0.00	0.00	359.01	ppb	266.69	24.11	3600	
U	238	165	2	0.01	0.01	68.74	ppb	160.02	45.07	3600	

QC ISTD Table

Element	m/z	Tune Step	CPS	%RSD	Ref CPS	%Rec	Lower Limit	Upper Limit	QC Flag
Li6	6	1	698584	0.30	1785568	39.1	60	125	IS Main Failed
Sc (IS)	45	2	544682	0.37	1044004	52.2	60	125	IS Main Failed
Ge (IS)	72	1	11426218	0.80	25160288	45.4	60	125	IS Main Failed
Ge (IS)	72	2	826454	0.42	1449538	57.0	60	125	IS Main Failed
115In	115	2	2776797	0.70	4071130	68.2	60	125	
Ho-165	165	2	18664336	0.56	25018358	74.6	60	125	

TuneStep	TuneFile	TuneDate
1	h2_hmi.u	5/2/2012 10:35:00 PM
2	he_hmi.u	5/2/2012 10:35:00 PM

Sample Report

Sample Name	rinse
Data File Name	223SMPL.D
DataPath	d:\DATA\050212.B
Acq Date Time	2012-05-02T22:39:52-06:00
Type	Sample
VialNumber	3
Dilution	1
Comment	
Operator	LMT
ISTDRefDataFileName	121CALB.D
SamplePassFail	Fail
ISTD PassFail	Pass

QC Analyte Table

Element	m/z	ISTD	Tune Step	Meas Value	FinalConc	%RSD	Units	CPS	CPS %RSD	High Value	QC Flag
Be	9	6	1	0.01	0.01	143.29	ppb	3.33	86.60	3600	
Na	23	45	2	-75.97	-75.97	-2.45	ppb	5688.05	4.78	1800000	
Mg	24	45	2	5.50	5.50	31.76	ppb	453.38	20.85	450000	
Al	27	45	2	-1.37	-1.37	0.00	ppb	0.00	#DIV/0!	450000	
K	39	45	2	-7.38	-7.38	-16.02	ppb	793.43	2.91	180000	
Ca	44	45	2	15.60	15.60	204.75	ppb	40.01	100.01	450000	
V	51	72	2	0.02	0.02	985.24	ppb	48.90	225.92	3600	
Cr	52	72	2	-0.01	-0.01	-116.08	ppb	86.68	13.32	3600	
Mn	55	72	2	0.01	0.01	470.68	ppb	53.34	43.31	3600	
Fe	57	72	2	3.86	3.86	88.29	ppb	160.03	45.07	90000	
Co	59	72	2	0.01	0.01	34.94	ppb	33.33	34.64	3600	
Ni	60	72	2	-0.02	-0.02	-228.25	ppb	86.67	35.25	3600	
Cu	63	72	2	-0.10	-0.10	-55.38	ppb	880.11	12.03	3600	
Zn	66	72	2	-0.23	-0.23	-58.02	ppb	126.68	18.23	3600	
As	75	72	2	0.15	0.15	86.61	ppb	13.33	86.60	3600	
Se	78	72	1	-0.01	-0.01	-243.95	ppb	5.33	114.56	3600	
Nb	93	72	2	0.09	0.09	18.52	ppb	393.37	10.58	7200	
Mo	95	115	2	0.00	0.00	873.16	ppb	20.00	100.00	3600	
Pd	105	115	2	0.02	0.02	114.26	ppb	26.67	114.57	3600	
Ag	107	115	2	0.01	0.01	169.86	ppb	46.67	89.21	900	
Cd	111	115	2	-0.05	-0.05	-57.42	ppb	6.67	173.21	3600	
Sn	120	115	2	0.12	0.12	83.88	ppb	260.02	33.53	3600	
Sb	121	115	2	-0.03	-0.03	-149.42	ppb	46.67	49.49	3600	
Ba	137	115	2	-0.08	-0.08	-73.82	ppb	6.67	173.21	3600	
W	182	165	2	0.03	0.03	45.41	ppb	833.44	9.09	3600	
Pt	195	165	2	0.00	0.00	1369.30	ppb	53.34	114.57	3600	
Tl	205	165	2	0.01	0.01	153.53	ppb	180.02	57.74	3600	
Pb	208	165	2	0.01	0.01	369.77	ppb	1020.12	33.33	3600	
Th	232	165	2	0.01	0.01	79.67	ppb	360.05	25.46	3600	
U	238	165	2	0.01	0.01	80.82	ppb	153.35	52.72	3600	

QC ISTD Table

Element	m/z	Tune Step	CPS	%RSD	Ref CPS	%Rec	Lower Limit	Upper Limit	QC Flag
Li6	6	1	676021	3.41	1785568	37.9	60	125	IS Main Failed
Sc (IS)	45	2	535179	0.46	1044004	51.3	60	125	IS Main Failed
Ge (IS)	72	1	11150204	2.87	25160288	44.3	60	125	IS Main Failed
Ge (IS)	72	2	809048	0.60	1449538	55.8	60	125	IS Main Failed
115In	115	2	2710552	0.52	4071130	66.6	60	125	
Ho-165	165	2	18322680	0.31	25018358	73.2	60	125	

TuneStep	TuneFile	TuneDate
1	h2_hmi.u	5/2/2012 10:38:00 PM
2	he_hmi.u	5/2/2012 10:38:00 PM

Sample Report

Sample Name	rinse
Data File Name	224SMPL.D
DataPath	d:\DATA\050212.B
Acq Date Time	2012-05-02T22:42:50-06:00
Type	Sample
VialNumber	3
Dilution	1
Comment	
Operator	LMT
ISTDRefDataFileName	121CALB.D
SamplePassFail	Fail
ISTD PassFail	Pass

QC Analyte Table

Element	m/z	ISTD	Tune Step	Meas Value	FinalConc	%RSD	Units	CPS	CPS %RSD	High Value	QC Flag
Be	9	6	1	0.01	0.01	277.39	ppb	3.33	173.21	3600	
Na	23	45	2	-78.55	-78.55	-1.71	ppb	5227.80	3.56	1800000	
Mg	24	45	2	0.62	0.62	273.91	ppb	186.68	48.31	450000	
Al	27	45	2	0.01	0.01	34225.17	ppb	13.33	173.21	450000	
K	39	45	2	-9.01	-9.01	-54.45	ppb	740.09	15.05	180000	
Ca	44	45	2	27.12	27.12	227.53	ppb	53.34	141.98	450000	
V	51	72	2	-0.01	-0.01	-761.77	ppb	32.69	113.57	3600	
Cr	52	72	2	-0.03	-0.03	-158.92	ppb	66.67	69.29	3600	
Mn	55	72	2	0.17	0.17	87.15	ppb	106.68	47.19	3600	
Fe	57	72	2	-1.10	-1.10	-198.30	ppb	53.34	86.60	90000	
Co	59	72	2	0.02	0.02	94.24	ppb	53.34	94.37	3600	
Ni	60	72	2	0.03	0.03	255.29	ppb	120.01	44.10	3600	
Cu	63	72	2	-0.05	-0.05	-201.00	ppb	980.11	17.79	3600	
Zn	66	72	2	-0.18	-0.18	-185.87	ppb	133.35	45.83	3600	
As	75	72	2	0.08	0.08	173.21	ppb	6.67	173.21	3600	
Se	78	72	1	0.02	0.02	172.72	ppb	13.33	75.50	3600	
Nb	93	72	2	0.05	0.05	22.31	ppb	293.36	7.87	7200	
Mo	95	115	2	-0.02	-0.02	0.00	ppb	0.00	#DIV/0!	3600	
Pd	105	115	2	0.02	0.02	173.21	ppb	26.67	173.21	3600	
Ag	107	115	2	0.01	0.01	37.64	ppb	53.34	21.66	900	
Cd	111	115	2	0.04	0.04	151.24	ppb	40.00	50.01	3600	
Sn	120	115	2	0.10	0.10	62.90	ppb	240.03	22.05	3600	
Sb	121	115	2	-0.09	-0.09	-47.25	ppb	13.33	173.21	3600	
Ba	137	115	2	-0.12	-0.12	0.00	ppb	0.00	#DIV/0!	3600	
W	182	165	2	0.03	0.03	70.06	ppb	806.76	13.65	3600	
Pt	195	165	2	0.01	0.01	107.40	ppb	86.67	48.04	3600	
Tl	205	165	2	0.01	0.01	119.67	ppb	153.35	32.83	3600	
Pb	208	165	2	-0.01	-0.01	-529.59	ppb	860.10	34.41	3600	
Th	232	165	2	-0.01	-0.01	-39.85	ppb	140.02	28.58	3600	
U	238	165	2	0.01	0.01	104.81	ppb	186.69	75.25	3600	

QC ISTD Table

Element	m/z	Tune Step	CPS	%RSD	Ref CPS	%Rec	Lower Limit	Upper Limit	QC Flag
Li6	6	1	655164	0.50	1785568	36.7	60	125	IS Main Failed
Sc (IS)	45	2	523339	0.52	1044004	50.1	60	125	IS Main Failed
Ge (IS)	72	1	10845723	0.46	25160288	43.1	60	125	IS Main Failed
Ge (IS)	72	2	801056	0.93	1449538	55.3	60	125	IS Main Failed
115In	115	2	2715992	0.34	4071130	66.7	60	125	
Ho-165	165	2	18071916	0.55	25018358	72.2	60	125	

TuneStep	TuneFile	TuneDate
1	h2_hmi.u	5/2/2012 10:41:00 PM
2	he_hmi.u	5/2/2012 10:41:00 PM

Sample Report

Sample Name	rinse
Data File Name	225SMPL.D
DataPath	d:\DATA\050212.B
Acq Date Time	2012-05-02T22:45:48-06:00
Type	Sample
VialNumber	3
Dilution	1
Comment	
Operator	LMT
ISTDRefDataFileName	121CALB.D
SamplePassFail	Fail
ISTD PassFail	Pass

QC Analyte Table

Element	m/z	ISTD	Tune Step	Meas Value	FinalConc	%RSD	Units	CPS	CPS%RSD	High Value	QC Flag
Be	9	6	1	0.02	0.02	132.50	ppb	5.00	100.00	3600	
Na	23	45	2	-83.36	-83.36	-4.95	ppb	4494.20	12.70	1800000	
Mg	24	45	2	-0.19	-0.19	-420.41	ppb	140.01	28.57	450000	
Al	27	45	2	0.75	0.75	283.45	ppb	20.00	100.00	450000	
K	39	45	2	-3.27	-3.27	-275.32	ppb	846.76	24.13	180000	
Ca	44	45	2	5.95	5.95	162.72	ppb	26.67	43.30	450000	
V	51	72	2	-0.08	-0.08	-73.73	ppb	-19.85	-211.60	3600	
Cr	52	72	2	-0.03	-0.03	-83.68	ppb	66.67	34.64	3600	
Mn	55	72	2	0.10	0.10	220.67	ppb	80.01	90.14	3600	
Fe	57	72	2	-1.40	-1.40	-157.57	ppb	46.67	98.98	90000	
Co	59	72	2	0.01	0.01	43.20	ppb	26.67	43.30	3600	
Ni	60	72	2	-0.08	-0.08	-59.27	ppb	46.67	65.47	3600	
Cu	63	72	2	-0.08	-0.08	-103.64	ppb	900.10	18.19	3600	
Zn	66	72	2	-0.06	-0.06	-485.09	ppb	153.35	32.83	3600	
As	75	72	2	0.12	0.12	99.93	ppb	10.00	100.00	3600	
Se	78	72	1	0.03	0.03	161.00	ppb	17.33	93.26	3600	
Nb	93	72	2	0.04	0.04	66.99	ppb	266.69	22.91	7200	
Mo	95	115	2	-0.02	-0.02	0.00	ppb	0.00	#DIV/0!	3600	
Pd	105	115	2	0.00	0.00	#DIV/0!	ppb	0.00	#DIV/0!	3600	
Ag	107	115	2	0.00	0.00	109.35	ppb	40.00	50.01	900	
Cd	111	115	2	0.02	0.02	158.43	ppb	33.33	34.64	3600	
Sn	120	115	2	0.22	0.22	100.01	ppb	333.37	54.44	3600	
Sb	121	115	2	-0.06	-0.06	-89.80	ppb	26.67	114.57	3600	
Ba	137	115	2	-0.12	-0.12	0.00	ppb	0.00	#DIV/0!	3600	
W	182	165	2	0.05	0.05	63.11	ppb	893.45	16.95	3600	
Pt	195	165	2	0.01	0.01	119.90	ppb	73.34	41.66	3600	
Tl	205	165	2	0.00	0.00	-1266.39	ppb	106.68	43.30	3600	
Pb	208	165	2	-0.01	-0.01	-264.86	ppb	840.10	22.71	3600	
Th	232	165	2	-0.01	-0.01	-86.81	ppb	133.35	69.28	3600	
U	238	165	2	0.01	0.01	79.06	ppb	120.01	44.10	3600	

QC ISTD Table

Element	m/z	Tune Step	CPS	%RSD	Ref CPS	%Rec	Lower Limit	Upper Limit	QC Flag
Li6	6	1	638020	0.55	1785568	35.7	60	125	IS Main Failed
Sc (IS)	45	2	510351	1.11	1044004	48.9	60	125	IS Main Failed
Ge (IS)	72	1	10574308	0.32	25160288	42.0	60	125	IS Main Failed
Ge (IS)	72	2	791112	0.11	1449538	54.6	60	125	IS Main Failed
115In	115	2	2644415	0.16	4071130	65.0	60	125	
Ho-165	165	2	17991417	0.24	25018358	71.9	60	125	

TuneStep	TuneFile	TuneDate
1	h2_hmi.u	5/2/2012 10:44:00 PM
2	he_hmi.u	5/2/2012 10:44:00 PM

Sample Report

Sample Name	rinse
Data File Name	226SMPL.D
DataPath	d:\DATA\050212.B
Acq Date Time	2012-05-02T22:48:47-06:00
Type	Sample
VialNumber	3
Dilution	1
Comment	
Operator	LMT
ISTDRefDataFileName	121CALB.D
SamplePassFail	Fail
ISTD PassFail	Pass

QC Analyte Table

Element	m/z	ISTD	Tune Step	Meas Value	FinalConc	%RSD	Units	CPS	CPS%RSD	High Value	QC Flag
Be	9	6	1	-0.01	-0.01	0.00	ppb	0.00	#DIV/0!	3600	
Na	23	45	2	-82.75	-82.75	-2.62	ppb	4534.28	6.40	1800000	
Mg	24	45	2	-0.70	-0.70	-178.11	ppb	113.34	56.73	450000	
Al	27	45	2	-0.66	-0.66	-185.11	ppb	6.67	173.21	450000	
K	39	45	2	-5.69	-5.69	-224.77	ppb	786.76	34.70	180000	
Ca	44	45	2	-16.42	-16.42	0.00	ppb	0.00	#DIV/0!	450000	
V	51	72	2	-0.18	-0.18	-36.33	ppb	-93.19	-50.49	3600	
Cr	52	72	2	-0.06	-0.06	-45.60	ppb	26.67	114.56	3600	
Mn	55	72	2	0.18	0.18	84.54	ppb	106.68	47.19	3600	
Fe	57	72	2	-1.06	-1.06	-139.10	ppb	53.34	57.28	90000	
Co	59	72	2	0.01	0.01	173.21	ppb	13.33	173.21	3600	
Ni	60	72	2	0.00	0.00	1280.87	ppb	100.01	34.64	3600	
Cu	63	72	2	-0.09	-0.09	-74.04	ppb	873.43	14.72	3600	
Zn	66	72	2	-0.20	-0.20	-214.07	ppb	126.68	59.78	3600	
As	75	72	2	0.12	0.12	99.91	ppb	10.00	100.00	3600	
Se	78	72	1	0.03	0.03	79.18	ppb	16.00	43.30	3600	
Nb	93	72	2	0.02	0.02	150.97	ppb	233.36	38.65	7200	
Mo	95	115	2	0.00	0.00	1263.33	ppb	20.00	173.21	3600	
Pd	105	115	2	0.01	0.01	173.21	ppb	13.33	173.21	3600	
Ag	107	115	2	0.00	0.00	-1215.64	ppb	20.00	100.00	900	
Cd	111	115	2	0.00	0.00	4388.93	ppb	26.67	114.57	3600	
Sn	120	115	2	0.16	0.16	101.51	ppb	280.04	46.84	3600	
Sb	121	115	2	-0.05	-0.05	-153.14	ppb	33.34	124.90	3600	
Ba	137	115	2	-0.12	-0.12	0.00	ppb	0.00	#DIV/0!	3600	
W	182	165	2	0.02	0.02	259.72	ppb	753.43	35.85	3600	
Pt	195	165	2	-0.01	-0.01	-72.74	ppb	20.00	100.00	3600	
Tl	205	165	2	0.00	0.00	112.42	ppb	146.68	28.39	3600	
Pb	208	165	2	0.00	0.00	-1165.21	ppb	893.44	18.10	3600	
Th	232	165	2	0.00	0.00	-2554.00	ppb	233.36	57.07	3600	
U	238	165	2	0.01	0.01	63.43	ppb	153.35	41.93	3600	

QC ISTD Table

Element	m/z	Tune Step	CPS	%RSD	Ref CPS	%Rec	Lower Limit	Upper Limit	QC Flag
Li6	6	1	627432	0.86	1785568	35.1	60	125	IS Main Failed
Sc (IS)	45	2	506502	1.14	1044004	48.5	60	125	IS Main Failed
Ge (IS)	72	1	10398363	0.70	25160288	41.3	60	125	IS Main Failed
Ge (IS)	72	2	783544	0.24	1449538	54.1	60	125	IS Main Failed
115In	115	2	2639804	0.20	4071130	64.8	60	125	
Ho-165	165	2	17901713	0.42	25018358	71.6	60	125	

TuneStep	TuneFile	TuneDate
1	h2_hmi.u	5/2/2012 10:47:00 PM
2	he_hmi.u	5/2/2012 10:47:00 PM

Calibration Blank Report

Sample Name	icis
Data File Name	227CALB.D
DataPath	d:\DATA\050212.B
Acq Date Time	2012-05-02T22:51:45-06:00
Type	CalBlk
VialNumber	2509
Dilution	1
Comment	
Operator	LMT

QC Analyte Table

Element	m/z	ISTD	Tune Step	CPS	%RSD
Be	9	6	1	0	#DIV/0!
Na	23	45	2	4021	16.63
Mg	24	45	2	73	31.50
Al	27	45	2	20	173.21
K	39	45	2	787	16.93
Ca	44	45	2	13	173.21
V	51	72	2	65	67.43
Cr	52	72	2	53	173.21
Mn	55	72	2	33	91.66
Fe	57	72	2	100	20.01
Co	59	72	2	0	#DIV/0!
Ni	60	72	2	93	96.63
Cu	63	72	2	827	6.99
Zn	66	72	2	133	31.23
As	75	72	2	0	#DIV/0!
Se	78	72	1	1	173.21
Nb	93	72	2	113	56.73
Mo	95	115	2	7	173.21
Pd	105	115	2	20	100.00
Ag	107	115	2	53	108.26
Cd	111	115	2	40	132.29
Sn	120	115	2	233	43.99
Sb	121	115	2	20	100.00
Ba	137	115	2	7	173.21
W	182	165	2	853	33.34
Pt	195	165	2	47	107.86
Tl	205	165	2	73	41.66
Pb	208	165	2	973	3.14
Th	232	165	2	280	21.43
U	238	165	2	60	33.34

QC ISTD Table

Element	m/z	Tune Step	CPS	%RSD
Li6	6	1	616198	0.71
Sc (IS)	45	2	503733	0.26
Ge (IS)	72	1	10290265	0.18
Ge (IS)	72	2	765773	0.93
115In	115	2	2616552	0.79
Ho-165	165	2	17809733	0.29

TuneStep	TuneFile	TuneDate
1	h2_hmi.u	5/2/2012 10:50:00 PM
2	he_hmi.u	5/2/2012 10:50:00 PM

Calibration Standard Report

Sample Name	ic
Data File Name	228CALS.D
DataPath	d:\DATA\050212.B
Acq Date Time	2012-05-02T22:54:44-06:00
Type	CalStd
VialNumber	2510
Dilution	1
Comment	
Operator	LMT
ISTDRefDataFileName	227CALB.D
ISTD PassFail	Pass

QC Analyte Table

Element	m/z	ISTD	Tune Step	CPS	%RSD
Be	9	6	1	18461	3.15
Na	23	45	2	1127966	0.83
Mg	24	45	2	465544	0.49
Al	27	45	2	93269	1.73
K	39	45	2	205566	1.04
Ca	44	45	2	12385	2.65
V	51	72	2	62568	8.98
Cr	52	72	2	89489	1.87
Mn	55	72	2	30802	3.24
Fe	57	72	2	183990	1.02
Co	59	72	2	191162	1.04
Ni	60	72	2	54317	2.17
Cu	63	72	2	163517	1.78
Zn	66	72	2	15762	7.06
As	75	72	2	7839	6.54
Se	78	72	1	31357	2.41
Nb	93	72	2	489813	0.24
Mo	95	115	2	71561	1.48
Pd	105	115	2	140974	1.43
Ag	107	115	2	318436	0.47
Cd	111	115	2	31718	4.35
(Cd)	114	115	2	85213	1.46
Sn	120	115	2	78971	2.42
Sb	121	115	2	51548	0.52
Ba	137	115	2	18552	7.77
W	182	165	2	493264	1.28
Pt	195	165	2	429204	0.44
Tl	205	165	2	810048	0.37
Pb	208	165	2	1046306	0.24
Th	232	165	2	1069803	0.60
U	238	165	2	1309744	0.94

QC ISTD Table

Element	m/z	Tune Step	CPS	%RSD	Reference CPS	%Recovery	Lower Limit	Upper Limit	QC Flag
Li6	6	1	600473	0.52	616198	97.4	60	125	
Sc (IS)	45	2	493398	0.42	503733	97.9	60	125	
Ge (IS)	72	1	9921716	1.10	10290265	96.4	60	125	
Ge (IS)	72	2	753998	0.95	765773	98.5	60	125	
115In	115	2	2549403	1.44	2616552	97.4	60	125	
Ho-165	165	2	17515101	1.01	17809733	98.3	60	125	

TuneStep	TuneFile	TuneDate
1	h2_hmi.u	5/2/2012 10:53:00 PM
2	he_hmi.u	5/2/2012 10:53:00 PM

Continuing Calibration Verification (CCV) - US EPA Method 6020

Sample Name	ccv-1394868
Data File Name	2296CCV.D
DataPath	d:\DATA\050212.B
Acq Date Time	2012-05-02T22:57:41-06:00
Type	6-CCV
VialNumber	1105
Dilution	1
Comment	
Operator	LMT
ISTDRefDataFileName	227CALB.D
SamplePassFail	Pass
ISTD PassFail	Pass

QC Analyte Table

Element	m/z	ISTD	Tune Step	Meas Value	%RSD	Units	CPS	CPS%RSD	Exp Value	%Rec	QC Low	QC High	QC Flag
Be	9	6	1	50.76	0.68	ppb	9467.48	0.37	50	101.5	90	110	
Na	23	45	2	5000.01	4.81	ppb	572405.91	1.63	5000	100.0	90	110	
Mg	24	45	2	5050.25	5.97	ppb	237770.39	2.82	5000	101.0	90	110	
Al	27	45	2	5028.88	9.29	ppb	47403.53	6.10	5000	100.6	90	110	
K	39	45	2	5064.56	5.26	ppb	105672.15	2.33	5000	101.3	90	110	
Ca	44	45	2	5191.21	11.59	ppb	6501.59	8.68	5000	103.8	90	110	
V	51	72	2	50.04	3.96	ppb	31532.28	1.13	50	100.1	90	110	
Cr	52	72	2	49.75	4.41	ppb	44811.43	2.42	50	99.5	90	110	
Mn	55	72	2	53.91	9.74	ppb	16695.96	7.00	50	107.8	90	110	
Fe	57	72	2	5112.86	6.87	ppb	94609.46	3.84	5000	102.3	90	110	
Co	59	72	2	50.62	5.85	ppb	97296.51	3.25	50	101.2	90	110	
Ni	60	72	2	51.54	3.81	ppb	28197.48	0.70	50	103.1	90	110	
Cu	63	72	2	49.68	3.80	ppb	82123.17	0.93	50	99.4	90	110	
Zn	66	72	2	51.59	1.38	ppb	8249.37	1.76	50	103.2	90	110	
As	75	72	2	54.48	6.72	ppb	4294.03	3.66	50	109.0	90	110	
Se	78	72	1	50.99	0.34	ppb	16084.73	0.75	50	102.0	90	110	
Nb	93	72	2	101.19	6.60	ppb	249177.77	3.61	100	101.2	90	110	
Mo	95	115	2	49.84	10.59	ppb	35885.86	7.41	50	99.7	90	110	
Pd	105	115	2	50.74	7.99	ppb	71999.52	4.43	50	101.5	90	110	
Ag	107	115	2	52.33	5.60	ppb	167808.47	2.23	50	104.7	90	110	
Cd	111	115	2	53.15	7.26	ppb	16996.30	3.96	50	106.3	90	110	
Sn	120	115	2	51.31	5.88	ppb	40917.66	2.61	50	102.6	90	110	
Sb	121	115	2	51.48	5.44	ppb	26742.69	3.57	50	103.0	90	110	
Ba	137	115	2	50.81	10.47	ppb	9497.01	8.49	50	101.6	90	110	
W	182	165	2	51.22	7.45	ppb	255449.04	3.94	50	102.4	90	110	
Pt	195	165	2	51.01	5.38	ppb	221118.76	1.83	50	102.0	90	110	
Tl	205	165	2	51.85	3.30	ppb	424394.71	0.23	50	103.7	90	110	
Pb	208	165	2	50.68	5.10	ppb	536043.97	1.54	50	101.4	90	110	
Th	232	165	2	50.54	6.98	ppb	545961.02	3.41	50	101.1	90	110	
U	238	165	2	50.83	6.52	ppb	672229.94	2.95	50	101.7	90	110	

QC ISTD Table

Element	m/z	Tune Step	CPS	%RSD	Ref CPS	%Rec	QC Low	QC High	QC Flag
Li6	6	1	606748	0.35	616198	98.5	60	125	
Sc (IS)	45	2	499503	3.11	503733	99.2	60	125	
Ge (IS)	72	1	9981589	0.42	10290265	97.0	60	125	
Ge (IS)	72	2	758885	3.04	765773	99.1	60	125	
115In	115	2	2570196	3.52	2616552	98.2	60	125	
Ho-165	165	2	17710434	3.46	17809733	99.4	60	125	

TuneStep	TuneFile
1	h2_hmi.u
2	he_hmi.u

Continuing Calibration Blank (CCB) - US EPA Method 6020

Sample Name	ccb-1394903
Data File Name	2306CCB.D
DataPath	d:\DATA\050212.B
Acq Date Time	2012-05-02T23:00:39-06:00
Type	6-CCB
VialNumber	1305
Dilution	1
Comment	
Operator	LMT
ISTDRefDataFileName	227CALB.D
SamplePassFail	Pass
ISTD PassFail	Pass

QC Analyte Table

Element	m/z	ISTD	Tune Step	Meas Value	%RSD	Units	CPS	CPS %RSD	QC High	QC Flag
Be	9	6	1	0.04	125.12	ppb	8.33	124.90	1	
Na	23	45	2	1.41	82.45	ppb	4154.15	4.37	20	
Mg	24	45	2	0.72	138.32	ppb	106.67	43.31	20	
Al	27	45	2	-0.68	-359.54	ppb	13.33	173.21	20	
K	39	45	2	3.73	190.79	ppb	860.09	18.46	20	
Ca	44	45	2	10.73	229.01	ppb	26.67	114.57	20	
V	51	72	2	-0.02	-820.33	ppb	51.78	201.72	1	
Cr	52	72	2	0.06	77.60	ppb	106.68	39.03	1	
Mn	55	72	2	0.02	285.32	ppb	40.00	50.01	1	
Fe	57	72	2	4.35	68.74	ppb	180.02	29.41	20	
Co	59	72	2	0.01	173.21	ppb	13.33	173.21	1	
Ni	60	72	2	-0.04	-199.94	ppb	73.34	56.77	1	
Cu	63	72	2	0.05	192.07	ppb	906.77	17.83	1	
Zn	66	72	2	0.26	121.61	ppb	173.35	29.04	5	
As	75	72	2	0.25	100.61	ppb	20.00	100.00	5	
Se	78	72	1	0.10	13.22	ppb	32.00	12.50	5	
Nb	93	72	2	1.09	7.99	ppb	2807.19	8.91	5	
Mo	95	115	2	0.08	101.42	ppb	66.67	91.65	1	
Pd	105	115	2	0.04	145.30	ppb	80.01	108.98	1	
Ag	107	115	2	0.00	-1101.75	ppb	46.67	137.77	1	
Cd	111	115	2	0.19	119.11	ppb	100.01	72.11	1	
Sn	120	115	2	0.09	293.45	ppb	300.03	67.66	5	
Sb	121	115	2	0.10	56.43	ppb	73.34	41.66	0.2	
Ba	137	115	2	-0.03	0.00	ppb	0.00	#DIV/0!	1	
W	182	165	2	0.05	54.71	ppb	1120.14	12.88	1	
Pt	195	165	2	0.02	81.98	ppb	120.01	50.00	1	
Tl	205	165	2	0.03	11.56	ppb	346.70	8.81	1	
Pb	208	165	2	0.03	76.59	ppb	1266.81	17.61	1	
Th	232	165	2	0.23	5.54	ppb	2753.86	5.87	1	
U	238	165	2	0.03	47.18	ppb	513.40	40.93	1	

QC ISTD Table

Element	m/z	Tune Step	CPS	%RSD	Ref CPS	%Rec	QC Low	QC High	QC Flag
Li6	6	1	625422	0.41	616198	101.5	60	125	
Sc (IS)	45	2	500275	1.19	503733	99.3	60	125	
Ge (IS)	72	1	10216994	0.38	10290265	99.3	60	125	
Ge (IS)	72	2	761791	1.31	765773	99.5	60	125	
115In	115	2	2593266	0.93	2616552	99.1	60	125	
Ho-165	165	2	17697413	1.19	17809733	99.4	60	125	

TuneStep	TuneFile
1	h2_hmi.u
2	he_hmi.u

Sample Report

Sample Name	MB 280-117260/1-A
Data File Name	231SMPL.D
DataPath	d:\DATA\050212.B
Acq Date Time	2012-05-02T23:03:40-06:00
Type	Sample
VialNumber	4403
Dilution	1
Comment	117260 6020
Operator	LMT
ISTDRefDataFileName	227CALB.D
SamplePassFail	Pass
ISTD PassFail	Pass

QC Analyte Table

Element	m/z	ISTD	Tune Step	Meas Value	FinalConc	%RSD	Units	CPS	CPS %RSD	High Value	QC Flag
Be	9	6	1	0.02	0.02	173.21	ppb	3.33	173.21	3600	
Na	23	45	2	-3.75	-3.75	-152.44	ppb	3413.96	20.82	1800000	
Mg	24	45	2	1.68	1.68	124.14	ppb	146.68	67.27	450000	
Al	27	45	2	1.63	1.63	396.27	ppb	33.34	173.21	450000	
K	39	45	2	-1.69	-1.69	-697.97	ppb	713.41	32.74	180000	
Ca	44	45	2	0.70	0.70	2803.10	ppb	13.33	173.21	450000	
V	51	72	2	0.01	0.01	152.76	ppb	71.38	18.73	3600	
Cr	52	72	2	0.09	0.09	40.43	ppb	126.68	24.12	3600	
Mn	55	72	2	0.18	0.18	127.84	ppb	86.68	81.05	3600	
Fe	57	72	2	0.99	0.99	621.05	ppb	113.35	97.19	90000	
Co	59	72	2	0.01	0.01	173.21	ppb	13.33	173.21	3600	
Ni	60	72	2	0.10	0.10	39.62	ppb	140.01	14.29	3600	
Cu	63	72	2	0.14	0.14	50.83	ppb	1006.81	10.94	3600	
Zn	66	72	2	0.39	0.39	139.82	ppb	186.68	44.61	3600	
As	75	72	2	0.09	0.09	86.60	ppb	6.67	86.60	3600	
Se	78	72	1	0.06	0.06	37.20	ppb	20.00	34.64	3600	
Nb	93	72	2	0.42	0.42	6.95	ppb	1100.12	6.30	7200	
Mo	95	115	2	0.06	0.06	103.70	ppb	46.67	89.21	3600	
Pd	105	115	2	0.01	0.01	423.36	ppb	26.67	114.57	3600	
Ag	107	115	2	-0.01	-0.01	-121.76	ppb	26.67	114.57	900	
Cd	111	115	2	-0.02	-0.02	-1127.56	ppb	33.34	173.21	3600	
Sn	120	115	2	-0.10	-0.10	-37.25	ppb	146.68	20.83	3600	
Sb	121	115	2	0.04	0.04	96.56	ppb	40.00	50.01	3600	
Ba	137	115	2	0.29	0.29	112.02	ppb	60.01	100.00	3600	
W	182	165	2	0.04	0.04	84.72	ppb	1040.15	15.74	3600	
Pt	195	165	2	0.00	0.00	-98.98	ppb	33.33	34.64	3600	
Tl	205	165	2	0.02	0.02	8.27	ppb	193.35	5.97	3600	
Pb	208	165	2	0.01	0.01	94.67	ppb	1040.12	8.38	3600	
Th	232	165	2	0.28	0.28	13.12	ppb	3267.35	10.70	3600	
U	238	165	2	0.02	0.02	45.84	ppb	260.04	35.25	3600	

QC ISTD Table

Element	m/z	Tune Step	CPS	%RSD	Ref CPS	%Rec	Lower Limit	Upper Limit	QC Flag
Li6	6	1	576970	0.73	616198	93.6	60	125	
Sc (IS)	45	2	477676	2.46	503733	94.8	60	125	
Ge (IS)	72	1	9501004	0.61	10290265	92.3	60	125	
Ge (IS)	72	2	731237	0.04	765773	95.5	60	125	
115In	115	2	2545702	0.64	2616552	97.3	60	125	
Ho-165	165	2	17374432	1.41	17809733	97.6	60	125	

TuneStep	TuneFile	TuneDate
1	h2_hmi.u	5/2/2012 11:02:00 PM
2	he_hmi.u	5/2/2012 11:02:00 PM

Sample Report

Sample Name	LCS 280-117260/2-A
Data File Name	232SMPL.D
DataPath	d:\DATA\050212.B
Acq Date Time	2012-05-02T23:06:40-06:00
Type	Sample
VialNumber	4404
Dilution	1
Comment	117260 6020
Operator	LMT
ISTDRefDataFileName	227CALB.D
SamplePassFail	Pass
ISTD PassFail	Pass

QC Analyte Table

Element	m/z	ISTD	Tune Step	Meas Value	FinalConc	%RSD	Units	CPS	CPS %RSD	High Value	QC Flag
Be	9	6	1	36.99	36.99	3.76	ppb	6402.85	1.84	3600	
Na	23	45	2	1.53	1.53	204.12	ppb	3974.09	9.15	1800000	
Mg	24	45	2	2.32	2.32	81.21	ppb	173.35	48.04	450000	
Al	27	45	2	-2.10	-2.10	0.00	ppb	0.00	#DIV/0!	450000	
K	39	45	2	3.41	3.41	267.22	ppb	813.43	22.85	180000	
Ca	44	45	2	-10.57	-10.57	0.00	ppb	0.00	#DIV/0!	450000	
V	51	72	2	39.62	39.62	13.98	ppb	24066.18	13.07	3600	
Cr	52	72	2	41.02	41.02	2.20	ppb	35630.62	1.86	3600	
Mn	55	72	2	39.32	39.32	4.49	ppb	11765.00	5.31	3600	
Fe	57	72	2	-3.49	-3.49	-48.97	ppb	33.33	91.65	90000	
Co	59	72	2	39.96	39.96	2.84	ppb	74081.91	2.99	3600	
Ni	60	72	2	40.97	40.97	7.26	ppb	21621.44	6.15	3600	
Cu	63	72	2	40.65	40.65	0.45	ppb	64926.87	0.82	3600	
Zn	66	72	2	38.59	38.59	6.64	ppb	5981.48	7.45	3600	
As	75	72	2	36.88	36.88	5.71	ppb	2803.68	4.84	3600	
Se	78	72	1	35.70	35.70	4.04	ppb	10513.88	2.25	3600	
Nb	93	72	2	0.22	0.22	9.15	ppb	620.07	8.53	7200	
Mo	95	115	2	37.96	37.96	2.20	ppb	26962.85	1.38	3600	
Pd	105	115	2	0.01	0.01	219.17	ppb	33.34	91.66	3600	
Ag	107	115	2	39.45	39.45	0.35	ppb	124706.71	0.56	900	
Cd	111	115	2	39.21	39.21	7.52	ppb	12372.23	7.61	3600	
Sn	120	115	2	39.32	39.32	5.25	ppb	30956.75	4.35	3600	
Sb	121	115	2	38.21	38.21	6.02	ppb	19559.53	5.60	3600	
Ba	137	115	2	41.08	41.08	6.63	ppb	7575.64	7.40	3600	
W	182	165	2	0.01	0.01	575.14	ppb	866.78	23.12	3600	
Pt	195	165	2	0.00	0.00	3178.82	ppb	46.67	89.21	3600	
Tl	205	165	2	41.41	41.41	0.88	ppb	332567.70	0.61	3600	
Pb	208	165	2	40.36	40.36	0.82	ppb	419225.96	1.08	3600	
Th	232	165	2	37.90	37.90	0.91	ppb	402114.60	0.61	3600	
U	238	165	2	40.91	40.91	0.92	ppb	531209.17	0.72	3600	

QC ISTD Table

Element	m/z	Tune Step	CPS	%RSD	Ref CPS	%Rec	Lower Limit	Upper Limit	QC Flag
Li6	6	1	563398	2.15	616198	91.4	60	125	
Sc (IS)	45	2	476979	1.43	503733	94.7	60	125	
Ge (IS)	72	1	9321718	1.86	10290265	90.6	60	125	
Ge (IS)	72	2	731180	1.04	765773	95.5	60	125	
115In	115	2	2530207	0.90	2616552	96.7	60	125	
Ho-165	165	2	17363445	0.35	17809733	97.5	60	125	

TuneStep	TuneFile	TuneDate
1	h2_hmi.u	5/2/2012 11:05:00 PM
2	he_hmi.u	5/2/2012 11:05:00 PM

Sample Report

Sample Name	280-28165-A-15-B
Data File Name	233SMPL.D
DataPath	d:\DATA\050212.B
Acq Date Time	2012-05-02T23:09:41-06:00
Type	Sample
VialNumber	4405
Dilution	1
Comment	117260 6020
Operator	LMT
ISTDRefDataFileName	227CALB.D
SamplePassFail	Pass
ISTD PassFail	Pass

QC Analyte Table

Element	m/z	ISTD	Tune Step	Meas Value	FinalConc	%RSD	Units	CPS	CPS %RSD	High Value	QC Flag
Be	9	6	1	0.04	0.04	173.21	ppb	6.67	173.21	3600	
Na	23	45	2	1068.59	1068.59	11.85	ppb	113735.46	3.83	1800000	
Mg	24	45	2	31.02	31.02	11.16	ppb	1393.52	9.56	450000	
Al	27	45	2	1.63	1.63	397.34	ppb	33.34	173.21	450000	
K	39	45	2	3.40	3.40	111.12	ppb	773.41	9.79	180000	
Ca	44	45	2	363.19	363.19	16.66	ppb	426.71	18.94	450000	
V	51	72	2	-0.52	-0.52	-123.74	ppb	-254.78	-151.69	3600	
Cr	52	72	2	4.84	4.84	8.20	ppb	4100.79	3.42	3600	
Mn	55	72	2	0.71	0.71	30.45	ppb	233.36	21.57	3600	
Fe	57	72	2	23.80	23.80	30.56	ppb	500.04	21.17	90000	
Co	59	72	2	0.07	0.07	41.05	ppb	120.01	44.10	3600	
Ni	60	72	2	3.11	3.11	25.69	ppb	1660.21	22.57	3600	
Cu	63	72	2	0.31	0.31	55.51	ppb	1226.80	19.11	3600	
Zn	66	72	2	1.53	1.53	61.67	ppb	346.71	40.52	3600	
As	75	72	2	0.00	0.00	#DIV/0!	ppb	0.00	#DIV/0!	3600	
Se	78	72	1	0.08	0.08	66.96	ppb	25.33	63.81	3600	
Nb	93	72	2	0.15	0.15	69.44	ppb	440.05	54.55	7200	
Mo	95	115	2	0.08	0.08	7.40	ppb	60.01	0.00	3600	
Pd	105	115	2	-0.01	-0.01	0.00	ppb	0.00	#DIV/0!	3600	
Ag	107	115	2	-0.01	-0.01	-60.59	ppb	13.33	173.21	900	
Cd	111	115	2	0.03	0.03	308.00	ppb	46.67	65.47	3600	
Sn	120	115	2	0.05	0.05	280.72	ppb	253.36	37.31	3600	
Sb	121	115	2	0.09	0.09	103.08	ppb	60.01	66.67	3600	
Ba	137	115	2	0.28	0.28	127.64	ppb	53.34	108.26	3600	
W	182	165	2	0.01	0.01	359.11	ppb	873.44	29.54	3600	
Pt	195	165	2	0.00	0.00	-287.01	ppb	33.34	91.66	3600	
Tl	205	165	2	0.05	0.05	50.81	ppb	480.05	40.18	3600	
Pb	208	165	2	0.08	0.08	27.97	ppb	1666.86	6.61	3600	
Th	232	165	2	1.43	1.43	0.69	ppb	14935.15	6.54	3600	
U	238	165	2	0.03	0.03	35.17	ppb	393.38	34.61	3600	

QC ISTD Table

Element	m/z	Tune Step	CPS	%RSD	Ref CPS	%Rec	Lower Limit	Upper Limit	QC Flag
Li6	6	1	558823	0.49	616198	90.7	60	125	
Sc (IS)	45	2	454876	7.24	503733	90.3	60	125	
Ge (IS)	72	1	9328696	0.94	10290265	90.7	60	125	
Ge (IS)	72	2	707945	5.42	765773	92.4	60	125	
115In	115	2	2437320	6.40	2616552	93.2	60	125	
Ho-165	165	2	16819423	5.94	17809733	94.4	60	125	

TuneStep	TuneFile	TuneDate
1	h2_hmi.u	5/2/2012 11:08:00 PM
2	he_hmi.u	5/2/2012 11:08:00 PM

Continuing Calibration Verification (CCV) - US EPA Method 6020

Sample Name	ccv-1394868
Data File Name	2346CCV.D
DataPath	d:\DATA\050212.B
Acq Date Time	2012-05-02T23:12:39-06:00
Type	6-CCV
VialNumber	1105
Dilution	1
Comment	
Operator	LMT
ISTDRefDataFileName	227CALB.D
SamplePassFail	Fail
ISTD PassFail	Pass

QC Analyte Table

Element	m/z	ISTD	Tune Step	Meas Value	%RSD	Units	CPS	CPS%RSD	Exp Value	%Rec	QC Low	QC High	QC Flag
Be	9	6	1	50.76	2.08	ppb	9119.02	1.82	50	101.5	90	110	
Na	23	45	2	5046.23	1.08	ppb	550564.34	0.42	5000	100.9	90	110	
Mg	24	45	2	5172.95	1.29	ppb	232172.47	0.34	5000	103.5	90	110	
Al	27	45	2	5080.86	1.30	ppb	45692.27	1.87	5000	101.6	90	110	
K	39	45	2	5147.51	0.90	ppb	102360.26	0.42	5000	103.0	90	110	
Ca	44	45	2	4788.11	8.87	ppb	5728.02	10.19	5000	95.8	90	110	
V	51	72	2	48.28	2.25	ppb	29423.03	2.42	50	96.6	90	110	
Cr	52	72	2	49.99	2.11	ppb	43534.49	1.35	50	100.0	90	110	
Mn	55	72	2	51.53	2.27	ppb	15447.93	1.80	50	103.1	90	110	
Fe	57	72	2	5094.05	2.65	ppb	91191.11	1.91	5000	101.9	90	110	
Co	59	72	2	49.93	1.58	ppb	92826.96	2.27	50	99.9	90	110	
Ni	60	72	2	53.13	5.13	ppb	28097.38	4.39	50	106.3	90	110	
Cu	63	72	2	51.73	0.81	ppb	82645.59	1.32	50	103.5	90	110	
Zn	66	72	2	51.66	1.31	ppb	7982.56	1.89	50	103.3	90	110	
As	75	72	2	56.91	3.69	ppb	4340.76	4.31	50	113.8	90	110	6-CCV Main Failed
Se	78	72	1	49.82	0.92	ppb	15210.62	1.04	50	99.6	90	110	
Nb	93	72	2	102.28	0.62	ppb	243670.85	1.10	100	102.3	90	110	
Mo	95	115	2	51.10	1.74	ppb	35832.69	1.90	50	102.2	90	110	
Pd	105	115	2	52.62	1.71	ppb	72693.78	1.59	50	105.2	90	110	
Ag	107	115	2	51.64	2.18	ppb	161134.16	2.32	50	103.3	90	110	
Cd	111	115	2	53.76	2.65	ppb	16729.52	2.43	50	107.5	90	110	
Sn	120	115	2	50.15	5.35	ppb	38913.16	4.76	50	100.3	90	110	
Sb	121	115	2	51.58	1.25	ppb	26062.22	0.87	50	103.2	90	110	
Ba	137	115	2	49.42	6.91	ppb	8989.73	6.30	50	98.8	90	110	
W	182	165	2	51.82	1.34	ppb	250767.79	1.00	50	103.6	90	110	
Pt	195	165	2	51.81	0.47	ppb	217868.82	0.26	50	103.6	90	110	
Tl	205	165	2	52.20	0.78	ppb	414287.69	0.45	50	104.4	90	110	
Pb	208	165	2	51.54	1.35	ppb	528767.37	1.06	50	103.1	90	110	
Th	232	165	2	52.00	0.84	ppb	545073.19	0.19	50	104.0	90	110	
U	238	165	2	51.80	1.35	ppb	664580.72	0.83	50	103.6	90	110	

QC ISTD Table

Element	m/z	Tune Step	CPS	%RSD	Ref CPS	%Rec	QC Low	QC High	QC Flag
Li6	6	1	584357	0.27	616198	94.8	60	125	
Sc (IS)	45	2	475645	1.29	503733	94.4	60	125	
Ge (IS)	72	1	9659617	0.30	10290265	93.9	60	125	
Ge (IS)	72	2	733261	0.75	765773	95.8	60	125	
115In	115	2	2497482	0.59	2616552	95.4	60	125	
Ho-165	165	2	17157321	0.73	17809733	96.3	60	125	

TuneStep	TuneFile
1	h2_hmi.u
2	he_hmi.u

Continuing Calibration Blank (CCB) - US EPA Method 6020

Sample Name	ccb-1394903
Data File Name	2356CCB.D
DataPath	d:\DATA\050212.B
Acq Date Time	2012-05-02T23:15:37-06:00
Type	6-CCB
VialNumber	1305
Dilution	1
Comment	
Operator	LMT
ISTDRefDataFileName	227CALB.D
SamplePassFail	Fail
ISTD PassFail	Pass

QC Analyte Table

Element	m/z	ISTD	Tune Step	Meas Value	%RSD	Units	CPS	CPS %RSD	QC High	QC Flag
Be	9	6	1	0.04	114.35	ppb	6.67	114.56	1	
Na	23	45	2	4.95	30.89	ppb	4320.92	4.81	20	
Mg	24	45	2	2.17	123.99	ppb	166.68	73.32	20	
Al	27	45	2	-0.62	-205.81	ppb	13.33	86.60	20	
K	39	45	2	1.99	689.38	ppb	780.09	34.50	20	
Ca	44	45	2	22.95	71.76	ppb	40.00	50.01	20	6-CCB Main Failed
V	51	72	2	0.02	379.53	ppb	73.75	57.41	1	
Cr	52	72	2	0.05	166.35	ppb	93.34	75.26	1	
Mn	55	72	2	-0.04	-294.97	ppb	20.00	173.21	1	
Fe	57	72	2	2.87	119.73	ppb	146.68	41.66	20	
Co	59	72	2	0.00	#DIV/0!	ppb	0.00	#DIV/0!	1	
Ni	60	72	2	-0.02	-746.20	ppb	80.01	90.14	1	
Cu	63	72	2	0.04	120.59	ppb	846.77	8.30	1	
Zn	66	72	2	-0.22	-149.49	ppb	93.34	53.93	5	
As	75	72	2	0.22	91.63	ppb	16.67	91.65	5	
Se	78	72	1	0.04	62.11	ppb	14.67	56.77	5	
Nb	93	72	2	0.94	20.00	ppb	2333.70	19.02	5	
Mo	95	115	2	0.07	160.95	ppb	53.34	141.97	1	
Pd	105	115	2	0.05	45.10	ppb	86.67	35.25	1	
Ag	107	115	2	0.00	1737.87	ppb	53.34	94.38	1	
Cd	111	115	2	-0.06	-0.08	ppb	20.00	0.00	1	
Sn	120	115	2	0.08	169.31	ppb	286.69	38.43	5	
Sb	121	115	2	0.09	48.40	ppb	66.67	34.65	0.2	
Ba	137	115	2	-0.03	0.00	ppb	0.00	#DIV/0!	1	
W	182	165	2	0.06	36.00	ppb	1106.81	9.10	1	
Pt	195	165	2	0.02	26.96	ppb	120.01	16.67	1	
Tl	205	165	2	0.04	22.08	ppb	366.71	17.53	1	
Pb	208	165	2	0.01	182.88	ppb	1073.47	23.15	1	
Th	232	165	2	0.27	10.37	ppb	3087.32	9.75	1	
U	238	165	2	0.02	81.09	ppb	320.03	66.15	1	

QC ISTD Table

Element	m/z	Tune Step	CPS	%RSD	Ref CPS	%Rec	QC Low	QC High	QC Flag
Li6	6	1	592268	0.73	616198	96.1	60	125	
Sc (IS)	45	2	474316	1.01	503733	94.2	60	125	
Ge (IS)	72	1	9744487	0.11	10290265	94.7	60	125	
Ge (IS)	72	2	730833	0.17	765773	95.4	60	125	
115In	115	2	2486671	0.07	2616552	95.0	60	125	
Ho-165	165	2	17156064	0.32	17809733	96.3	60	125	

TuneStep	TuneFile
1	h2_hmi.u
2	he_hmi.u

Sample Report

Sample Name	280-28165-G-1-D@2
Data File Name	236SMPL.D
DataPath	d:\DATA\050212.B
Acq Date Time	2012-05-02T23:18:37-06:00
Type	Sample
VialNumber	4406
Dilution	1
Comment	117260 6020
Operator	LMT
ISTDRefDataFileName	227CALB.D
SamplePassFail	Pass
ISTD PassFail	Pass

QC Analyte Table

Element	m/z	ISTD	Tune Step	Meas Value	FinalConc	%RSD	Units	CPS	CPS %RSD	High Value	QC Flag
Be	9	6	1	0.15	0.15	65.20	ppb	23.33	65.47	3600	
Na	23	45	2	1490160.13	1490160.13	14.37	ppb	168917760.82	2.44	1800000	
Mg	24	45	2	212687.98	212687.98	17.84	ppb	9957011.31	5.78	450000	
Al	27	45	2	3793.97	3793.97	18.93	ppb	35570.20	6.56	450000	
K	39	45	2	10838.37	10838.37	12.32	ppb	224980.47	1.62	180000	
Ca	44	45	2	419907.35	419907.35	17.45	ppb	522689.90	5.41	450000	
V	51	72	2	6.19	6.19	7.28	ppb	3359.72	10.74	3600	
Cr	52	72	2	5.07	5.07	10.44	ppb	3900.78	4.01	3600	
Mn	55	72	2	442.59	442.59	15.74	ppb	115457.03	7.95	3600	
Fe	57	72	2	3915.29	3915.29	14.24	ppb	61158.79	6.01	90000	
Co	59	72	2	1.66	1.66	4.72	ppb	2707.12	6.66	3600	
Ni	60	72	2	6.01	6.01	8.14	ppb	2860.50	9.71	3600	
Cu	63	72	2	1.44	1.44	37.58	ppb	2660.41	21.41	3600	
Zn	66	72	2	4.93	4.93	30.57	ppb	780.10	32.74	3600	
As	75	72	2	2.49	2.49	41.24	ppb	163.34	34.82	3600	
Se	78	72	1	0.17	0.17	38.80	ppb	38.67	39.16	3600	
Nb	93	72	2	0.92	0.92	39.27	ppb	1980.37	28.45	7200	
Mo	95	115	2	4.79	4.79	12.10	ppb	2940.50	2.97	3600	
Pd	105	115	2	0.06	0.06	42.29	ppb	86.68	35.25	3600	
Ag	107	115	2	0.02	0.02	77.13	ppb	93.34	44.60	900	
Cd	111	115	2	0.03	0.03	305.47	ppb	40.00	50.01	3600	
Sn	120	115	2	0.18	0.18	69.06	ppb	326.70	33.72	3600	
Sb	121	115	2	0.19	0.19	10.78	ppb	100.01	0.00	3600	
Ba	137	115	2	30.39	30.39	11.72	ppb	4841.15	4.77	3600	
W	182	165	2	0.10	0.10	91.64	ppb	1100.24	28.41	3600	
Pt	195	165	2	0.00	0.00	385.89	ppb	46.67	65.47	3600	
Tl	205	165	2	0.06	0.06	70.04	ppb	446.72	55.99	3600	
Pb	208	165	2	0.77	0.77	17.19	ppb	7414.75	8.83	3600	
Th	232	165	2	1.19	1.19	31.89	ppb	10647.13	19.72	3600	
U	238	165	2	56.65	56.65	17.20	ppb	612450.91	6.21	3600	

QC ISTD Table

Element	m/z	Tune Step	CPS	%RSD	Ref CPS	%Rec	Lower Limit	Upper Limit	QC Flag
Li6	6	1	515839	1.23	616198	83.7	60	125	
Sc (IS)	45	2	503076	11.46	503733	99.9	60	125	
Ge (IS)	72	1	6840018	1.32	10290265	66.5	60	125	
Ge (IS)	72	2	644416	8.03	765773	84.2	60	125	
115In	115	2	2199689	8.58	2616552	84.1	60	125	
Ho-165	165	2	14627898	10.30	17809733	82.1	60	125	

TuneStep	TuneFile	TuneDate
1	h2_hmi.u	5/2/2012 11:17:00 PM
2	he_hmi.u	5/2/2012 11:17:00 PM

Sample Report

Sample Name	280-28165-G-2-B@2
Data File Name	237SMPL.D
DataPath	d:\DATA\050212.B
Acq Date Time	2012-05-02T23:21:38-06:00
Type	Sample
VialNumber	4407
Dilution	1
Comment	117260 6020
Operator	LMT
ISTDRefDataFileName	227CALB.D
SamplePassFail	Fail
ISTD PassFail	Pass

QC Analyte Table

Element	m/z	ISTD	Tune Step	Meas Value	FinalConc	%RSD	Units	CPS	CPS%RSD	High Value	QC Flag
Be	9	6	1	0.09	0.09	17.57	ppb	16.67	17.32	3600	
Na	23	45	2	1556547.29	1556547.29	9.92	ppb	204734876.95	2.50	1800000	
Mg	24	45	2	228304.03	228304.03	11.20	ppb	12426842.73	3.55	450000	
Al	27	45	2	465.37	465.37	11.39	ppb	5101.12	6.94	450000	
K	39	45	2	13034.16	13034.16	8.05	ppb	313533.46	1.08	180000	
Ca	44	45	2	522402.09	522402.09	10.90	ppb	755873.69	3.05	450000	Sample Main Failed
V	51	72	2	0.96	0.96	29.47	ppb	636.67	31.64	3600	
Cr	52	72	2	1.01	1.01	6.64	ppb	900.11	8.89	3600	
Mn	55	72	2	642.60	642.60	12.07	ppb	185474.96	5.20	3600	
Fe	57	72	2	3096.41	3096.41	15.14	ppb	53429.26	7.89	90000	
Co	59	72	2	1.54	1.54	22.52	ppb	2753.77	15.62	3600	
Ni	60	72	2	3.56	3.56	10.69	ppb	1906.92	12.69	3600	
Cu	63	72	2	1.15	1.15	30.14	ppb	2513.77	13.70	3600	
Zn	66	72	2	2.08	2.08	22.61	ppb	426.71	9.76	3600	
As	75	72	2	7.09	7.09	19.27	ppb	520.03	12.61	3600	
Se	78	72	1	0.40	0.40	18.44	ppb	97.33	18.53	3600	
Nb	93	72	2	0.33	0.33	59.68	ppb	880.11	54.60	7200	
Mo	95	115	2	8.71	8.71	13.21	ppb	5694.69	5.56	3600	
Pd	105	115	2	0.08	0.08	79.00	ppb	120.01	60.09	3600	
Ag	107	115	2	0.00	0.00	-249.92	ppb	40.00	50.01	900	
Cd	111	115	2	0.20	0.20	86.64	ppb	93.34	53.93	3600	
Sn	120	115	2	0.06	0.06	151.22	ppb	253.36	27.73	3600	
Sb	121	115	2	0.11	0.11	52.69	ppb	66.67	34.65	3600	
Ba	137	115	2	26.15	26.15	22.95	ppb	4414.29	15.18	3600	
W	182	165	2	0.00	0.00	-1152.39	ppb	720.09	19.44	3600	
Pt	195	165	2	0.00	0.00	-442.42	ppb	33.34	91.66	3600	
Tl	205	165	2	0.02	0.02	18.26	ppb	193.35	5.97	3600	
Pb	208	165	2	0.14	0.14	45.80	ppb	2120.27	20.43	3600	
Th	232	165	2	0.28	0.28	11.12	ppb	2807.21	5.00	3600	
U	238	165	2	39.12	39.12	12.21	ppb	444344.89	4.68	3600	

QC ISTD Table

Element	m/z	Tune Step	CPS	%RSD	Ref CPS	%Rec	Lower Limit	Upper Limit	QC Flag
Li6	6	1	617326	0.59	616198	100.2	60	125	
Sc (IS)	45	2	580221	7.70	503733	115.2	60	125	
Ge (IS)	72	1	7676607	0.33	10290265	74.6	60	125	
Ge (IS)	72	2	711099	6.85	765773	92.9	60	125	
115In	115	2	2340428	7.27	2616552	89.4	60	125	
Ho-165	165	2	15278920	7.26	17809733	85.8	60	125	

TuneStep	TuneFile	TuneDate
1	h2_hmi.u	5/2/2012 11:20:00 PM
2	he_hmi.u	5/2/2012 11:20:00 PM

Sample Report

Sample Name	280-28165-G-3-B@2
Data File Name	238SMPL.D
DataPath	d:\DATA\050212.B
Acq Date Time	2012-05-02T23:24:38-06:00
Type	Sample
VialNumber	4408
Dilution	1
Comment	117260 6020
Operator	LMT
ISTDRefDataFileName	227CALB.D
SamplePassFail	Fail
ISTD PassFail	Pass

QC Analyte Table

Element	m/z	ISTD	Tune Step	Meas Value	FinalConc	%RSD	Units	CPS	CPS%RSD	High Value	QC Flag
Be	9	6	1	0.05	0.05	49.40	ppb	10.00	50.00	3600	
Na	23	45	2	3694993.22	3694993.22	0.87	ppb	494001112.64	2.29	1800000	Sample Main Failed
Mg	24	45	2	65163.13	65163.13	1.14	ppb	3607396.51	1.66	450000	
Al	27	45	2	56.63	56.63	20.40	ppb	653.39	22.15	450000	
K	39	45	2	11648.68	11648.68	2.06	ppb	284613.61	2.12	180000	
Ca	44	45	2	394619.77	394619.77	1.20	ppb	580720.03	2.22	450000	
V	51	72	2	4.58	4.58	8.25	ppb	2603.42	9.63	3600	
Cr	52	72	2	0.38	0.38	16.11	ppb	346.70	14.52	3600	
Mn	55	72	2	23.45	23.45	5.06	ppb	6441.78	6.28	3600	
Fe	57	72	2	59.37	59.37	21.76	ppb	1060.13	21.43	90000	
Co	59	72	2	0.11	0.11	6.33	ppb	193.35	5.97	3600	
Ni	60	72	2	0.46	0.46	49.86	ppb	306.70	38.22	3600	
Cu	63	72	2	1.74	1.74	7.69	ppb	3240.58	7.71	3600	
Zn	66	72	2	28.22	28.22	6.27	ppb	4034.17	4.61	3600	
As	75	72	2	1.82	1.82	31.60	ppb	126.67	29.89	3600	
Se	78	72	1	8.53	8.53	4.19	ppb	1924.14	4.15	3600	
Nb	93	72	2	0.18	0.18	9.30	ppb	486.72	8.56	7200	
Mo	95	115	2	43.87	43.87	3.93	ppb	25814.14	3.54	3600	
Pd	105	115	2	0.04	0.04	76.85	ppb	60.00	57.74	3600	
Ag	107	115	2	0.00	0.00	449.78	ppb	53.34	94.37	900	
Cd	111	115	2	-0.02	-0.02	-220.32	ppb	26.67	43.30	3600	
Sn	120	115	2	0.05	0.05	222.09	ppb	220.02	32.78	3600	
Sb	121	115	2	0.12	0.12	24.90	ppb	66.68	17.32	3600	
Ba	137	115	2	6.55	6.55	20.39	ppb	1006.80	21.89	3600	
W	182	165	2	0.03	0.03	114.76	ppb	753.42	17.68	3600	
Pt	195	165	2	-0.01	-0.01	0.00	ppb	0.00	#DIV/0!	3600	
Tl	205	165	2	0.02	0.02	48.79	ppb	160.02	33.07	3600	
Pb	208	165	2	0.50	0.50	4.85	ppb	4694.04	5.12	3600	
Th	232	165	2	0.11	0.11	22.37	ppb	1120.16	17.86	3600	
U	238	165	2	6.61	6.61	1.18	ppb	65659.97	1.12	3600	

QC ISTD Table

Element	m/z	Tune Step	CPS	%RSD	Ref CPS	%Rec	Lower Limit	Upper Limit	QC Flag
Li6	6	1	614003	0.71	616198	99.6	60	125	
Sc (IS)	45	2	586901	2.77	503733	116.5	60	125	
Ge (IS)	72	1	7137310	0.53	10290265	69.4	60	125	
Ge (IS)	72	2	669952	1.81	765773	87.5	60	125	
115In	115	2	2096122	1.68	2616552	80.1	60	125	
Ho-165	165	2	13283409	1.03	17809733	74.6	60	125	

TuneStep	TuneFile	TuneDate
1	h2_hmi.u	5/2/2012 11:23:00 PM
2	he_hmi.u	5/2/2012 11:23:00 PM

Sample Report

Sample Name	280-28165-G-4-B@2
Data File Name	239SMPL.D
DataPath	d:\DATA\050212.B
Acq Date Time	2012-05-02T23:27:41-06:00
Type	Sample
VialNumber	4409
Dilution	1
Comment	117260 6020
Operator	LMT
ISTDRefDataFileName	227CALB.D
SamplePassFail	Fail
ISTD PassFail	Pass

QC Analyte Table

Element	m/z	ISTD	Tune Step	Meas Value	FinalConc	%RSD	Units	CPS	CPS %RSD	High Value	QC Flag
Be	9	6	1	0.06	0.06	18.70	ppb	16.67	17.32	3600	
Na	23	45	2	1513879.16	1513879.16	4.03	ppb	254028082.88	0.32	1800000	
Mg	24	45	2	112819.15	112819.15	4.80	ppb	7837900.09	0.93	450000	
Al	27	45	2	1661.71	1661.71	5.25	ppb	23170.65	5.14	450000	
K	39	45	2	9182.15	9182.15	2.59	ppb	281963.82	1.38	180000	
Ca	44	45	2	357921.81	357921.81	3.52	ppb	661187.96	0.77	450000	
V	51	72	2	5.87	5.87	5.22	ppb	4376.61	2.41	3600	
Cr	52	72	2	4.25	4.25	14.74	ppb	4500.94	11.96	3600	
Mn	55	72	2	21.39	21.39	5.57	ppb	7742.35	1.18	3600	
Fe	57	72	2	1288.37	1288.37	5.72	ppb	27863.86	4.20	90000	
Co	59	72	2	0.59	0.59	33.48	ppb	1300.18	29.23	3600	
Ni	60	72	2	1.88	1.88	37.15	ppb	1293.51	29.60	3600	
Cu	63	72	2	0.86	0.86	7.78	ppb	2593.80	8.46	3600	
Zn	66	72	2	3.74	3.74	31.70	ppb	840.09	27.04	3600	
As	75	72	2	1.43	1.43	45.36	ppb	130.01	40.70	3600	
Se	78	72	1	9.36	9.36	8.01	ppb	2910.95	7.29	3600	
Nb	93	72	2	0.37	0.37	39.12	ppb	1207.24	38.65	7200	
Mo	95	115	2	15.39	15.39	8.79	ppb	11944.93	4.39	3600	
Pd	105	115	2	0.09	0.09	51.94	ppb	153.36	45.81	3600	
Ag	107	115	2	0.00	0.00	-505.01	ppb	40.01	173.21	900	
Cd	111	115	2	-0.09	-0.09	-75.37	ppb	13.33	173.21	3600	
Sn	120	115	2	0.15	0.15	110.26	ppb	373.37	34.86	3600	
Sb	121	115	2	0.09	0.09	123.73	ppb	73.34	87.67	3600	
Ba	137	115	2	21.23	21.23	0.36	ppb	4287.56	4.67	3600	
W	182	165	2	0.05	0.05	68.72	ppb	1073.48	14.11	3600	
Pt	195	165	2	0.01	0.01	44.04	ppb	73.34	15.74	3600	
Tl	205	165	2	0.02	0.02	29.06	ppb	260.03	23.08	3600	
Pb	208	165	2	0.33	0.33	9.77	ppb	4307.37	3.87	3600	
Th	232	165	2	0.36	0.36	11.24	ppb	4081.14	9.67	3600	
U	238	165	2	25.74	25.74	5.46	ppb	331541.16	1.66	3600	

QC ISTD Table

Element	m/z	Tune Step	CPS	%RSD	Ref CPS	%Rec	Lower Limit	Upper Limit	QC Flag
Li6	6	1	873854	2.35	616198	141.8	60	125	IS Main Failed
Sc (IS)	45	2	737289	3.86	503733	146.4	60	125	IS Main Failed
Ge (IS)	72	1	9838096	0.75	10290265	95.6	60	125	
Ge (IS)	72	2	884045	4.37	765773	115.4	60	125	
115In	115	2	2769772	4.37	2616552	105.9	60	125	
Ho-165	165	2	17245480	3.96	17809733	96.8	60	125	

TuneStep	TuneFile	TuneDate
1	h2_hmi.u	5/2/2012 11:26:00 PM
2	he_hmi.u	5/2/2012 11:26:00 PM

Sample Report

Sample Name	280-28165-G-5-B@2
Data File Name	240SMPL.D
DataPath	d:\DATA\050212.B
Acq Date Time	2012-05-02T23:30:42-06:00
Type	Sample
VialNumber	4410
Dilution	1
Comment	117260 6020
Operator	LMT
ISTDRefDataFileName	227CALB.D
SamplePassFail	Fail
ISTD PassFail	Pass

QC Analyte Table

Element	m/z	ISTD	Tune Step	Meas Value	FinalConc	%RSD	Units	CPS	CPS%RSD	High Value	QC Flag
Be	9	6	1	0.02	0.02	115.12	ppb	6.67	114.56	3600	
Na	23	45	2	2161285.76	2161285.76	1.18	ppb	371166807.80	1.22	1800000	Sample Main Failed
Mg	24	45	2	168098.75	168098.75	1.26	ppb	11954416.49	1.17	450000	
Al	27	45	2	35.94	35.94	29.13	ppb	540.06	25.93	450000	
K	39	45	2	9671.92	9671.92	1.04	ppb	303850.93	2.61	180000	
Ca	44	45	2	347543.53	347543.53	0.52	ppb	657134.78	2.72	450000	
V	51	72	2	3.76	3.76	19.43	ppb	2787.08	20.21	3600	
Cr	52	72	2	3.32	3.32	5.17	ppb	3487.33	4.31	3600	
Mn	55	72	2	16.17	16.17	0.80	ppb	5774.87	1.56	3600	
Fe	57	72	2	54.65	54.65	19.81	ppb	1273.49	18.74	90000	
Co	59	72	2	0.10	0.10	26.23	ppb	220.02	27.27	3600	
Ni	60	72	2	0.22	0.22	19.79	ppb	246.69	12.38	3600	
Cu	63	72	2	0.46	0.46	42.63	ppb	1800.26	21.63	3600	
Zn	66	72	2	2.94	2.94	22.39	ppb	680.07	16.38	3600	
As	75	72	2	3.72	3.72	11.44	ppb	336.68	12.01	3600	
Se	78	72	1	3.85	3.85	7.72	ppb	1186.73	7.36	3600	
Nb	93	72	2	0.08	0.08	28.10	ppb	346.70	17.62	7200	
Mo	95	115	2	23.66	23.66	3.13	ppb	17663.79	4.14	3600	
Pd	105	115	2	0.02	0.02	243.92	ppb	46.67	137.77	3600	
Ag	107	115	2	0.00	0.00	243.36	ppb	66.67	45.83	900	
Cd	111	115	2	-0.02	-0.02	-764.18	ppb	33.34	173.21	3600	
Sn	120	115	2	-0.08	-0.08	-93.59	ppb	173.35	35.25	3600	
Sb	121	115	2	0.04	0.04	174.68	ppb	40.00	86.61	3600	
Ba	137	115	2	8.12	8.12	14.55	ppb	1580.22	15.35	3600	
W	182	165	2	-0.03	-0.03	-117.02	ppb	620.07	27.94	3600	
Pt	195	165	2	-0.01	-0.01	-89.97	ppb	20.00	100.00	3600	
Tl	205	165	2	0.03	0.03	34.61	ppb	266.70	26.34	3600	
Pb	208	165	2	0.13	0.13	49.59	ppb	2126.95	29.15	3600	
Th	232	165	2	0.04	0.04	33.65	ppb	640.07	20.49	3600	
U	238	165	2	50.55	50.55	0.73	ppb	609772.47	0.95	3600	

QC ISTD Table

Element	m/z	Tune Step	CPS	%RSD	Ref CPS	%Rec	Lower Limit	Upper Limit	QC Flag
Li6	6	1	903060	1.08	616198	146.6	60	125	IS Main Failed
Sc (IS)	45	2	753939	2.36	503733	149.7	60	125	IS Main Failed
Ge (IS)	72	1	9756269	0.47	10290265	94.8	60	125	
Ge (IS)	72	2	869261	1.21	765773	113.5	60	125	
115In	115	2	2658058	1.44	2616552	101.6	60	125	
Ho-165	165	2	16129724	0.68	17809733	90.6	60	125	

TuneStep	TuneFile	TuneDate
1	h2_hmi.u	5/2/2012 11:29:00 PM
2	he_hmi.u	5/2/2012 11:29:00 PM

Continuing Calibration Verification (CCV) - US EPA Method 6020

Sample Name	ccv-1394868
Data File Name	2416CCV.D
DataPath	d:\DATA\050212.B
Acq Date Time	2012-05-02T23:33:40-06:00
Type	6-CCV
VialNumber	1105
Dilution	1
Comment	
Operator	LMT
ISTDRefDataFileName	227CALB.D
SamplePassFail	Fail
ISTD PassFail	Pass

QC Analyte Table

Element	m/z	ISTD	Tune Step	Meas Value	%RSD	Units	CPS	CPS%RSD	Exp Value	%Rec	QC Low	QC High	QC Flag
Be	9	6	1	46.27	3.27	ppb	19275.01	3.12	50	92.5	90	110	
Na	23	45	2	6961.92	5.75	ppb	1384638.26	5.13	5000	139.2	90	110	6-CCV Main Failed
Mg	24	45	2	5538.55	1.11	ppb	454089.21	0.54	5000	110.8	90	110	6-CCV Main Failed
Al	27	45	2	5236.53	1.53	ppb	86013.90	0.96	5000	104.7	90	110	
K	39	45	2	5287.65	0.46	ppb	192046.44	1.01	5000	105.8	90	110	
Ca	44	45	2	5237.41	7.42	ppb	11431.21	6.92	5000	104.7	90	110	
V	51	72	2	53.42	2.11	ppb	54165.92	2.30	50	106.8	90	110	
Cr	52	72	2	54.81	1.40	ppb	79428.42	0.33	50	109.6	90	110	
Mn	55	72	2	53.99	6.12	ppb	26928.76	5.24	50	108.0	90	110	
Fe	57	72	2	5518.65	1.72	ppb	164426.80	2.20	5000	110.4	90	110	6-CCV Main Failed
Co	59	72	2	54.28	1.35	ppb	167938.44	1.04	50	108.6	90	110	
Ni	60	72	2	56.34	2.31	ppb	49590.80	1.68	50	112.7	90	110	6-CCV Main Failed
Cu	63	72	2	55.59	1.19	ppb	147709.39	0.10	50	111.2	90	110	6-CCV Main Failed
Zn	66	72	2	54.12	2.81	ppb	13906.58	2.70	50	108.2	90	110	
As	75	72	2	54.08	3.53	ppb	6864.89	3.90	50	108.2	90	110	
Se	78	72	1	51.53	1.69	ppb	30424.53	0.70	50	103.1	90	110	
Nb	93	72	2	98.38	0.84	ppb	390062.01	0.93	100	98.4	90	110	
Mo	95	115	2	56.01	2.27	ppb	58159.34	1.42	50	112.0	90	110	6-CCV Main Failed
Pd	105	115	2	55.76	2.17	ppb	114093.14	3.10	50	111.5	90	110	6-CCV Main Failed
Ag	107	115	2	55.66	0.73	ppb	257214.87	1.65	50	111.3	90	110	6-CCV Main Failed
Cd	111	115	2	56.82	4.29	ppb	26181.67	3.66	50	113.6	90	110	6-CCV Main Failed
Sn	120	115	2	49.69	0.55	ppb	57117.74	1.23	50	99.4	90	110	
Sb	121	115	2	50.13	4.34	ppb	37516.59	5.06	50	100.3	90	110	
Ba	137	115	2	48.52	2.70	ppb	13072.85	1.77	50	97.0	90	110	
W	182	165	2	50.88	1.40	ppb	336840.27	1.24	50	101.8	90	110	
Pt	195	165	2	51.84	1.00	ppb	298195.83	1.14	50	103.7	90	110	
Tl	205	165	2	49.77	1.01	ppb	540225.71	0.92	50	99.5	90	110	
Pb	208	165	2	48.82	1.02	ppb	685149.05	0.66	50	97.6	90	110	
Th	232	165	2	46.29	0.48	ppb	663823.98	0.16	50	92.6	90	110	
U	238	165	2	46.72	0.21	ppb	819997.67	0.17	50	93.4	90	110	

QC ISTD Table

Element	m/z	Tune Step	CPS	%RSD	Ref CPS	%Rec	QC Low	QC High	QC Flag
Li6	6	1	1355293	0.78	616198	219.9	60	125	IS Main Failed
Sc (IS)	45	2	868833	0.61	503733	172.5	60	125	IS Main Failed
Ge (IS)	72	1	18684235	1.04	10290265	181.6	60	125	IS Main Failed
Ge (IS)	72	2	1220331	1.07	765773	159.4	60	125	IS Main Failed
115In	115	2	3698822	1.16	2616552	141.4	60	125	IS Main Failed
Ho-165	165	2	23468515	0.36	17809733	131.8	60	125	IS Main Failed

TuneStep	TuneFile
1	h2_hmi.u
2	he_hmi.u

Continuing Calibration Blank (CCB) - US EPA Method 6020

Sample Name	ccb-1394903
Data File Name	2426CCB.D
DataPath	d:\DATA\050212.B
Acq Date Time	2012-05-02T23:36:37-06:00
Type	6-CCB
VialNumber	1305
Dilution	1
Comment	
Operator	LMT
ISTDRefDataFileName	227CALB.D
SamplePassFail	Fail
ISTD PassFail	Pass

QC Analyte Table

Element	m/z	ISTD	Tune Step	Meas Value	%RSD	Units	CPS	CPS %RSD	QC High	QC Flag
Be	9	6	1	0.04	173.21	ppb	15.00	173.21	1	
Na	23	45	2	552.19	2.87	ppb	116651.94	2.33	20	6-CCB Main Failed
Mg	24	45	2	14.90	10.06	ppb	1353.52	9.84	20	
Al	27	45	2	-0.49	-283.79	ppb	26.67	86.60	20	
K	39	45	2	6.20	101.55	ppb	1586.89	14.61	20	
Ca	44	45	2	41.24	12.15	ppb	113.34	10.19	20	6-CCB Main Failed
V	51	72	2	-0.27	-35.80	ppb	-166.76	-58.17	1	
Cr	52	72	2	0.01	142.37	ppb	106.68	28.64	1	
Mn	55	72	2	0.14	148.90	ppb	120.01	83.34	1	
Fe	57	72	2	2.72	49.39	ppb	240.02	16.67	20	
Co	59	72	2	0.00	173.21	ppb	6.67	173.21	1	
Ni	60	72	2	-0.04	-257.97	ppb	113.34	81.51	1	
Cu	63	72	2	0.10	56.68	ppb	1580.22	9.56	1	
Zn	66	72	2	0.14	118.55	ppb	246.69	16.88	5	
As	75	72	2	0.39	34.74	ppb	50.00	34.64	5	
Se	78	72	1	0.07	57.98	ppb	44.00	54.55	5	
Nb	93	72	2	0.86	13.62	ppb	3594.02	13.06	5	
Mo	95	115	2	0.10	48.56	ppb	113.34	44.42	1	
Pd	105	115	2	0.05	66.04	ppb	126.68	50.76	1	
Ag	107	115	2	-0.01	-110.55	ppb	40.00	100.00	1	
Cd	111	115	2	-0.11	-22.87	ppb	6.67	173.21	1	
Sn	120	115	2	0.04	318.78	ppb	380.04	37.95	5	
Sb	121	115	2	0.23	23.15	ppb	200.02	20.00	0.2	6-CCB Main Failed
Ba	137	115	2	-0.03	0.00	ppb	0.00	#DIV/0!	1	
W	182	165	2	0.06	106.01	ppb	1533.55	27.50	1	
Pt	195	165	2	0.01	92.62	ppb	140.01	51.51	1	
Tl	205	165	2	0.03	28.16	ppb	420.05	21.82	1	
Pb	208	165	2	0.01	246.88	ppb	1433.50	25.13	1	
Th	232	165	2	0.19	10.01	ppb	3053.94	8.14	1	
U	238	165	2	0.04	10.74	ppb	713.42	9.01	1	

QC ISTD Table

Element	m/z	Tune Step	CPS	%RSD	Ref CPS	%Rec	QC Low	QC High	QC Flag
Li6	6	1	1329350	1.01	616198	215.7	60	125	IS Main Failed
Sc (IS)	45	2	872042	0.82	503733	173.1	60	125	IS Main Failed
Ge (IS)	72	1	18370814	0.72	10290265	178.5	60	125	IS Main Failed
Ge (IS)	72	2	1217812	0.15	765773	159.0	60	125	IS Main Failed
115In	115	2	3756180	0.29	2616552	143.6	60	125	IS Main Failed
Ho-165	165	2	23525564	0.72	17809733	132.1	60	125	IS Main Failed

TuneStep	TuneFile
1	h2_hmi.u
2	he_hmi.u

Sample Report

Sample Name	280-28165-G-6-B@2
Data File Name	243SMPL.D
DataPath	d:\DATA\050212.B
Acq Date Time	2012-05-02T23:39:36-06:00
Type	Sample
VialNumber	4411
Dilution	1
Comment	117260 6020
Operator	LMT
ISTDRefDataFileName	227CALB.D
SamplePassFail	Fail
ISTD PassFail	Pass

QC Analyte Table

Element	m/z	ISTD	Tune Step	Meas Value	FinalConc	%RSD	Units	CPS	CPS %RSD	High Value	QC Flag
Be	9	6	1	0.04	0.04	20.91	ppb	11.67	24.74	3600	
Na	23	45	2	1005393.38	1005393.38	0.33	ppb	185983043.90	1.17	1800000	
Mg	24	45	2	121423.77	121423.77	0.40	ppb	9301519.23	1.40	450000	
Al	27	45	2	103.92	103.92	21.28	ppb	1626.88	20.91	450000	
K	39	45	2	8654.08	8654.08	1.06	ppb	292929.53	1.69	180000	
Ca	44	45	2	349660.01	349660.01	0.72	ppb	711942.12	0.77	450000	
V	51	72	2	4.22	4.22	13.31	ppb	3512.94	12.45	3600	
Cr	52	72	2	0.50	0.50	28.95	ppb	646.73	26.30	3600	
Mn	55	72	2	21.51	21.51	3.31	ppb	8656.18	2.93	3600	
Fe	57	72	2	119.84	119.84	28.38	ppb	2993.91	26.70	90000	
Co	59	72	2	0.12	0.12	51.41	ppb	293.36	51.17	3600	
Ni	60	72	2	0.51	0.51	36.95	ppb	480.05	27.32	3600	
Cu	63	72	2	0.13	0.13	12.56	ppb	1340.17	2.98	3600	
Zn	66	72	2	0.73	0.73	61.05	ppb	320.04	28.64	3600	
As	75	72	2	2.91	2.91	22.99	ppb	296.68	22.44	3600	
Se	78	72	1	1.26	1.26	9.03	ppb	469.35	7.25	3600	
Nb	93	72	2	0.39	0.39	15.56	ppb	1400.19	14.50	7200	
Mo	95	115	2	14.77	14.77	5.89	ppb	12718.95	7.66	3600	
Pd	105	115	2	0.06	0.06	23.47	ppb	120.01	16.67	3600	
Ag	107	115	2	0.00	0.00	-141.47	ppb	46.67	49.49	900	
Cd	111	115	2	-0.05	-0.05	-147.43	ppb	26.67	114.57	3600	
Sn	120	115	2	-0.03	-0.03	-220.23	ppb	246.69	20.40	3600	
Sb	121	115	2	0.08	0.08	82.33	ppb	73.34	56.77	3600	
Ba	137	115	2	6.49	6.49	6.14	ppb	1453.53	5.56	3600	
W	182	165	2	0.00	0.00	-9409.92	ppb	906.77	12.54	3600	
Pt	195	165	2	0.00	0.00	-364.18	ppb	40.00	86.60	3600	
Tl	205	165	2	0.02	0.02	18.69	ppb	280.03	14.29	3600	
Pb	208	165	2	0.03	0.03	38.84	ppb	1320.16	7.58	3600	
Th	232	165	2	0.31	0.31	10.26	ppb	3840.81	10.25	3600	
U	238	165	2	31.60	31.60	0.38	ppb	447493.25	1.05	3600	

QC ISTD Table

Element	m/z	Tune Step	CPS	%RSD	Ref CPS	%Rec	Lower Limit	Upper Limit	QC Flag
Li6	6	1	975684	3.57	616198	158.3	60	125	IS Main Failed
Sc (IS)	45	2	811977	1.48	503733	161.2	60	125	IS Main Failed
Ge (IS)	72	1	11747758	2.02	10290265	114.2	60	125	
Ge (IS)	72	2	981299	0.59	765773	128.1	60	125	IS Main Failed
115In	115	2	3062839	2.27	2616552	117.1	60	125	
Ho-165	165	2	18935756	0.84	17809733	106.3	60	125	

TuneStep	TuneFile	TuneDate
1	h2_hmi.u	5/2/2012 11:38:00 PM
2	he_hmi.u	5/2/2012 11:38:00 PM

Sample Report

Sample Name	280-28165-G-7-B@2
Data File Name	244SMPL.D
DataPath	d:\DATA\050212.B
Acq Date Time	2012-05-02T23:42:37-06:00
Type	Sample
VialNumber	4412
Dilution	1
Comment	117260 6020
Operator	LMT
ISTDRefDataFileName	227CALB.D
SamplePassFail	Fail
ISTD PassFail	Pass

QC Analyte Table

Element	m/z	ISTD	Tune Step	Meas Value	FinalConc	%RSD	Units	CPS	CPS %RSD	High Value	QC Flag
Be	9	6	1	0.00	0.00	#DIV/0!	ppb	0.00	#DIV/0!	3600	
Na	23	45	2	1405421.64	1405421.64	0.47	ppb	261886402.76	1.21	1800000	
Mg	24	45	2	162080.11	162080.11	0.11	ppb	12507341.90	1.64	450000	
Al	27	45	2	13.45	13.45	35.68	ppb	240.02	30.05	450000	
K	39	45	2	12662.98	12662.98	1.35	ppb	431208.07	2.37	180000	
Ca	44	45	2	355417.17	355417.17	0.57	ppb	729007.28	1.37	450000	
V	51	72	2	22.44	22.44	6.49	ppb	17748.68	5.63	3600	
Cr	52	72	2	1.22	1.22	16.29	ppb	1440.18	14.50	3600	
Mn	55	72	2	0.94	0.94	18.18	ppb	406.72	15.03	3600	
Fe	57	72	2	58.24	58.24	6.35	ppb	1473.52	6.27	90000	
Co	59	72	2	0.04	0.04	73.63	ppb	100.01	72.11	3600	
Ni	60	72	2	1.59	1.59	10.21	ppb	1200.14	8.82	3600	
Cu	63	72	2	0.54	0.54	47.24	ppb	2133.70	25.75	3600	
Zn	66	72	2	0.11	0.11	66.96	ppb	186.68	6.19	3600	
As	75	72	2	7.12	7.12	17.48	ppb	703.38	18.00	3600	
Se	78	72	1	2.98	2.98	0.54	ppb	1045.38	1.55	3600	
Nb	93	72	2	0.18	0.18	22.22	ppb	700.09	18.74	7200	
Mo	95	115	2	8.13	8.13	6.36	ppb	6768.62	4.74	3600	
Pd	105	115	2	0.04	0.04	43.47	ppb	93.34	32.73	3600	
Ag	107	115	2	0.04	0.04	77.67	ppb	193.36	52.07	900	
Cd	111	115	2	-0.07	-0.07	-142.91	ppb	20.00	173.21	3600	
Sn	120	115	2	0.04	0.04	137.20	ppb	300.03	17.64	3600	
Sb	121	115	2	0.02	0.02	281.82	ppb	33.34	91.66	3600	
Ba	137	115	2	9.52	9.52	7.85	ppb	2060.31	6.80	3600	
W	182	165	2	0.07	0.07	33.09	ppb	1206.83	9.13	3600	
Pt	195	165	2	0.00	0.00	265.61	ppb	60.00	57.74	3600	
Tl	205	165	2	0.03	0.03	53.33	ppb	300.04	40.55	3600	
Pb	208	165	2	0.02	0.02	125.62	ppb	1160.13	19.89	3600	
Th	232	165	2	0.13	0.13	30.10	ppb	1700.26	25.64	3600	
U	238	165	2	43.32	43.32	0.35	ppb	581589.35	0.46	3600	

QC ISTD Table

Element	m/z	Tune Step	CPS	%RSD	Ref CPS	%Rec	Lower Limit	Upper Limit	QC Flag
Li6	6	1	980704	1.12	616198	159.2	60	125	IS Main Failed
Sc (IS)	45	2	817939	1.58	503733	162.4	60	125	IS Main Failed
Ge (IS)	72	1	11066541	1.01	10290265	107.5	60	125	
Ge (IS)	72	2	949741	1.55	765773	124.0	60	125	
115In	115	2	2963360	1.65	2616552	113.3	60	125	
Ho-165	165	2	17951242	0.77	17809733	100.8	60	125	

TuneStep	TuneFile	TuneDate
1	h2_hmi.u	5/2/2012 11:41:00 PM
2	he_hmi.u	5/2/2012 11:41:00 PM

Sample Report

Sample Name	280-28165-G-8-B@2
Data File Name	245SMPL.D
DataPath	d:\DATA\050212.B
Acq Date Time	2012-05-02T23:45:37-06:00
Type	Sample
VialNumber	4501
Dilution	1
Comment	117260 6020
Operator	LMT
ISTDRefDataFileName	227CALB.D
SamplePassFail	Fail
ISTD PassFail	Pass

QC Analyte Table

Element	m/z	ISTD	Tune Step	Meas Value	FinalConc	%RSD	Units	CPS	CPS %RSD	High Value	QC Flag
Be	9	6	1	0.07	0.07	20.41	ppb	25.00	20.00	3600	
Na	23	45	2	816244.63	816244.63	0.90	ppb	160044664.28	0.53	1800000	
Mg	24	45	2	151445.86	151445.86	0.55	ppb	12297030.24	1.13	450000	
Al	27	45	2	1746.17	1746.17	3.66	ppb	28444.13	4.66	450000	
K	39	45	2	7053.55	7053.55	0.34	ppb	253327.06	1.33	180000	
Ca	44	45	2	355521.69	355521.69	1.46	ppb	767286.97	1.16	450000	
V	51	72	2	5.20	5.20	14.94	ppb	4521.92	14.02	3600	
Cr	52	72	2	1.62	1.62	8.97	ppb	2053.67	9.95	3600	
Mn	55	72	2	873.62	873.62	1.70	ppb	366876.35	2.01	3600	
Fe	57	72	2	3561.36	3561.36	1.35	ppb	89516.50	1.48	90000	
Co	59	72	2	1.26	1.26	6.59	ppb	3293.94	4.91	3600	
Ni	60	72	2	2.22	2.22	13.72	ppb	1766.94	13.12	3600	
Cu	63	72	2	0.53	0.53	29.19	ppb	2287.01	15.56	3600	
Zn	66	72	2	3.78	3.78	12.15	ppb	986.79	11.17	3600	
As	75	72	2	6.77	6.77	11.47	ppb	723.38	10.38	3600	
Se	78	72	1	1.39	1.39	6.06	ppb	600.02	6.36	3600	
Nb	93	72	2	0.32	0.32	24.11	ppb	1233.53	19.62	7200	
Mo	95	115	2	6.67	6.67	10.45	ppb	6014.89	10.82	3600	
Pd	105	115	2	0.02	0.02	74.17	ppb	66.67	45.83	3600	
Ag	107	115	2	-0.01	-0.01	-95.30	ppb	33.34	91.66	900	
Cd	111	115	2	-0.02	-0.02	-413.43	ppb	40.00	86.61	3600	
Sn	120	115	2	0.12	0.12	112.17	ppb	400.04	31.23	3600	
Sb	121	115	2	0.04	0.04	105.90	ppb	53.34	57.29	3600	
Ba	137	115	2	18.93	18.93	2.98	ppb	4427.72	3.08	3600	
W	182	165	2	-0.01	-0.01	-411.77	ppb	900.10	21.20	3600	
Pt	195	165	2	0.01	0.01	253.73	ppb	80.01	90.14	3600	
Tl	205	165	2	0.02	0.02	28.44	ppb	280.03	18.90	3600	
Pb	208	165	2	1.37	1.37	2.88	ppb	17218.91	2.60	3600	
Th	232	165	2	1.55	1.55	3.09	ppb	19039.90	4.60	3600	
U	238	165	2	15.41	15.41	2.29	ppb	227850.75	1.23	3600	

QC ISTD Table

Element	m/z	Tune Step	CPS	%RSD	Ref CPS	%Rec	Lower Limit	Upper Limit	QC Flag
Li6	6	1	1153981	0.57	616198	187.3	60	125	IS Main Failed
Sc (IS)	45	2	860685	1.37	503733	170.9	60	125	IS Main Failed
Ge (IS)	72	1	13575175	1.26	10290265	131.9	60	125	IS Main Failed
Ge (IS)	72	2	1029060	1.72	765773	134.4	60	125	IS Main Failed
115In	115	2	3206665	1.23	2616552	122.6	60	125	
Ho-165	165	2	19775223	1.79	17809733	111.0	60	125	

TuneStep	TuneFile	TuneDate
1	h2_hmi.u	5/2/2012 11:44:00 PM
2	he_hmi.u	5/2/2012 11:44:00 PM

Sample Report

Sample Name	280-28165-G-9-B@2
Data File Name	246SMPL.D
DataPath	d:\DATA\050212.B
Acq Date Time	2012-05-02T23:48:39-06:00
Type	Sample
VialNumber	4502
Dilution	1
Comment	117260 6020
Operator	LMT
ISTDRefDataFileName	227CALB.D
SamplePassFail	Fail
ISTD PassFail	Pass

QC Analyte Table

Element	m/z	ISTD	Tune Step	Meas Value	FinalConc	%RSD	Units	CPS	CPS %RSD	High Value	QC Flag
Be	9	6	1	0.00	0.00	#DIV/0!	ppb	0.00	#DIV/0!	3600	
Na	23	45	2	191698.99	191698.99	0.98	ppb	37997711.10	0.71	1800000	
Mg	24	45	2	112247.13	112247.13	0.96	ppb	9212212.36	1.07	450000	
Al	27	45	2	42.57	42.57	27.32	ppb	733.43	25.34	450000	
K	39	45	2	7079.22	7079.22	1.26	ppb	256957.47	0.38	180000	
Ca	44	45	2	321774.93	321774.93	0.83	ppb	701983.66	1.33	450000	
V	51	72	2	0.70	0.70	2.16	ppb	727.58	0.97	3600	
Cr	52	72	2	0.11	0.11	26.64	ppb	220.02	18.18	3600	
Mn	55	72	2	353.60	353.60	1.73	ppb	158056.73	0.88	3600	
Fe	57	72	2	65.39	65.39	19.00	ppb	1886.96	16.19	90000	
Co	59	72	2	0.30	0.30	30.66	ppb	826.77	29.57	3600	
Ni	60	72	2	1.08	1.08	18.50	ppb	986.78	16.26	3600	
Cu	63	72	2	0.46	0.46	48.52	ppb	2267.03	24.33	3600	
Zn	66	72	2	0.34	0.34	101.83	ppb	266.69	28.40	3600	
As	75	72	2	1.35	1.35	36.47	ppb	153.34	35.92	3600	
Se	78	72	1	0.45	0.45	6.43	ppb	210.67	5.80	3600	
Nb	93	72	2	0.08	0.08	33.89	ppb	460.06	21.74	7200	
Mo	95	115	2	7.44	7.44	0.27	ppb	7135.49	0.98	3600	
Pd	105	115	2	0.02	0.02	102.48	ppb	66.67	62.45	3600	
Ag	107	115	2	0.00	0.00	-271.62	ppb	53.34	78.07	900	
Cd	111	115	2	0.05	0.05	298.66	ppb	73.34	87.67	3600	
Sn	120	115	2	-0.06	-0.06	-331.18	ppb	246.69	78.75	3600	
Sb	121	115	2	-0.01	-0.01	-322.07	ppb	20.00	100.00	3600	
Ba	137	115	2	5.96	5.96	13.24	ppb	1486.88	12.21	3600	
W	182	165	2	0.02	0.02	36.96	ppb	1153.48	5.30	3600	
Pt	195	165	2	0.00	0.00	-1494.48	ppb	53.34	108.26	3600	
Tl	205	165	2	0.00	0.00	107.26	ppb	126.68	32.87	3600	
Pb	208	165	2	0.05	0.05	72.75	ppb	1860.25	25.83	3600	
Th	232	165	2	0.08	0.08	43.48	ppb	1460.20	34.57	3600	
U	238	165	2	17.44	17.44	2.02	ppb	281662.33	2.10	3600	

QC ISTD Table

Element	m/z	Tune Step	CPS	%RSD	Ref CPS	%Rec	Lower Limit	Upper Limit	QC Flag
Li6	6	1	1181684	0.77	616198	191.8	60	125	IS Main Failed
Sc (IS)	45	2	869929	0.88	503733	172.7	60	125	IS Main Failed
Ge (IS)	72	1	14545796	0.74	10290265	141.4	60	125	IS Main Failed
Ge (IS)	72	2	1095204	1.32	765773	143.0	60	125	IS Main Failed
115In	115	2	3412184	1.05	2616552	130.4	60	125	IS Main Failed
Ho-165	165	2	21598966	1.53	17809733	121.3	60	125	

TuneStep	TuneFile	TuneDate
1	h2_hmi.u	5/2/2012 11:47:00 PM
2	he_hmi.u	5/2/2012 11:47:00 PM

Continuing Calibration Verification (CCV) - US EPA Method 6020

Sample Name	ccv-1394868
Data File Name	2476CCV.D
DataPath	d:\DATA\050212.B
Acq Date Time	2012-05-02T23:51:36-06:00
Type	6-CCV
VialNumber	1105
Dilution	1
Comment	
Operator	LMT
ISTDRefDataFileName	227CALB.D
SamplePassFail	Fail
ISTD PassFail	Pass

QC Analyte Table

Element	m/z	ISTD	Tune Step	Meas Value	%RSD	Units	CPS	CPS%RSD	Exp Value	%Rec	QC Low	QC High	QC Flag
Be	9	6	1	46.00	3.85	ppb	18240.62	2.63	50	92.0	90	110	
Na	23	45	2	5867.58	1.21	ppb	1165764.83	0.68	5000	117.4	90	110	6-CCV Main Failed
Mg	24	45	2	5479.43	1.41	ppb	448266.66	0.89	5000	109.6	90	110	
Al	27	45	2	5439.42	0.59	ppb	89155.39	0.45	5000	108.8	90	110	
K	39	45	2	5256.97	2.07	ppb	190523.70	2.15	5000	105.1	90	110	
Ca	44	45	2	5048.64	6.19	ppb	10997.52	5.88	5000	101.0	90	110	
V	51	72	2	56.27	2.57	ppb	56803.32	2.66	50	112.5	90	110	6-CCV Main Failed
Cr	52	72	2	54.13	1.64	ppb	78103.12	1.72	50	108.3	90	110	
Mn	55	72	2	55.40	5.49	ppb	27516.02	5.38	50	110.8	90	110	6-CCV Main Failed
Fe	57	72	2	5588.94	1.63	ppb	165778.47	1.38	5000	111.8	90	110	6-CCV Main Failed
Co	59	72	2	54.33	0.32	ppb	167369.12	0.22	50	108.7	90	110	
Ni	60	72	2	55.85	2.51	ppb	48949.29	2.70	50	111.7	90	110	6-CCV Main Failed
Cu	63	72	2	54.40	1.37	ppb	143950.79	1.28	50	108.8	90	110	
Zn	66	72	2	52.64	3.74	ppb	13472.96	3.70	50	105.3	90	110	
As	75	72	2	54.75	3.08	ppb	6918.28	2.85	50	109.5	90	110	
Se	78	72	1	51.70	0.69	ppb	29568.41	0.54	50	103.4	90	110	
Nb	93	72	2	99.03	0.73	ppb	390932.83	0.64	100	99.0	90	110	
Mo	95	115	2	55.66	1.61	ppb	58432.77	1.42	50	111.3	90	110	6-CCV Main Failed
Pd	105	115	2	55.18	1.05	ppb	114127.54	1.00	50	110.4	90	110	6-CCV Main Failed
Ag	107	115	2	54.70	1.34	ppb	255557.54	0.84	50	109.4	90	110	
Cd	111	115	2	55.53	2.65	ppb	25874.42	2.71	50	111.1	90	110	6-CCV Main Failed
Sn	120	115	2	52.20	4.07	ppb	60637.28	3.90	50	104.4	90	110	
Sb	121	115	2	49.85	4.25	ppb	37710.10	3.96	50	99.7	90	110	
Ba	137	115	2	48.37	2.75	ppb	13179.50	2.91	50	96.7	90	110	
W	182	165	2	50.64	0.89	ppb	339924.85	1.10	50	101.3	90	110	
Pt	195	165	2	51.20	0.99	ppb	298548.95	0.77	50	102.4	90	110	
Tl	205	165	2	49.43	1.55	ppb	543957.06	1.50	50	98.9	90	110	
Pb	208	165	2	48.75	0.30	ppb	693585.67	0.42	50	97.5	90	110	
Th	232	165	2	46.08	0.78	ppb	669860.33	0.99	50	92.2	90	110	
U	238	165	2	46.76	0.78	ppb	832105.59	0.89	50	93.5	90	110	

QC ISTD Table

Element	m/z	Tune Step	CPS	%RSD	Ref CPS	%Rec	QC Low	QC High	QC Flag
Li6	6	1	1290413	2.22	616198	209.4	60	125	IS Main Failed
Sc (IS)	45	2	866947	0.53	503733	172.1	60	125	IS Main Failed
Ge (IS)	72	1	18098236	0.41	10290265	175.9	60	125	IS Main Failed
Ge (IS)	72	2	1214966	0.27	765773	158.7	60	125	IS Main Failed
115In	115	2	3739319	0.50	2616552	142.9	60	125	IS Main Failed
Ho-165	165	2	23792397	0.22	17809733	133.6	60	125	IS Main Failed

TuneStep	TuneFile
1	h2_hmi.u
2	he_hmi.u

Continuing Calibration Blank (CCB) - US EPA Method 6020

Sample Name	ccb-1394903
Data File Name	2486CCB.D
DataPath	d:\DATA\050212.B
Acq Date Time	2012-05-02T23:54:35-06:00
Type	6-CCB
VialNumber	1305
Dilution	1
Comment	
Operator	LMT
ISTDRefDataFileName	227CALB.D
SamplePassFail	Fail
ISTD PassFail	Pass

QC Analyte Table

Element	m/z	ISTD	Tune Step	Meas Value	%RSD	Units	CPS	CPS %RSD	QC High	QC Flag
Be	9	6	1	0.01	173.21	ppb	3.33	173.21	1	
Na	23	45	2	300.41	1.95	ppb	66741.58	2.11	20	6-CCB Main Failed
Mg	24	45	2	20.39	16.24	ppb	1806.93	15.07	20	6-CCB Main Failed
Al	27	45	2	1.93	34.73	ppb	66.68	17.33	20	
K	39	45	2	4.10	137.40	ppb	1513.51	14.01	20	
Ca	44	45	2	62.23	66.37	ppb	160.02	57.28	20	6-CCB Main Failed
V	51	72	2	-0.19	-22.60	ppb	-83.10	-51.55	1	
Cr	52	72	2	0.03	96.61	ppb	133.34	34.64	1	
Mn	55	72	2	0.03	87.11	ppb	66.68	17.32	1	
Fe	57	72	2	3.89	29.19	ppb	273.37	11.17	20	
Co	59	72	2	0.01	87.69	ppb	40.00	86.61	1	
Ni	60	72	2	-0.06	-108.07	ppb	100.01	52.92	1	
Cu	63	72	2	0.01	1081.55	ppb	1340.17	26.41	1	
Zn	66	72	2	-0.39	-61.37	ppb	113.34	53.91	5	
As	75	72	2	0.16	100.79	ppb	20.00	100.00	5	
Se	78	72	1	0.11	25.73	ppb	66.67	24.98	5	
Nb	93	72	2	1.13	13.03	ppb	4621.00	13.51	5	
Mo	95	115	2	0.14	20.87	ppb	153.35	19.93	1	
Pd	105	115	2	0.04	21.87	ppb	120.01	16.67	1	
Ag	107	115	2	0.01	213.63	ppb	106.68	60.27	1	
Cd	111	115	2	0.01	791.41	ppb	60.01	33.35	1	
Sn	120	115	2	0.06	221.31	ppb	406.70	38.20	5	
Sb	121	115	2	0.15	59.47	ppb	146.68	47.89	0.2	
Ba	137	115	2	0.04	330.17	ppb	20.00	173.21	1	
W	182	165	2	0.08	14.47	ppb	1680.23	4.76	1	
Pt	195	165	2	0.01	54.11	ppb	100.01	20.00	1	
Tl	205	165	2	0.03	18.30	ppb	380.04	13.93	1	
Pb	208	165	2	0.00	4200.29	ppb	1306.81	6.19	1	
Th	232	165	2	0.22	9.51	ppb	3614.15	8.03	1	
U	238	165	2	0.03	56.61	ppb	626.75	50.09	1	

QC ISTD Table

Element	m/z	Tune Step	CPS	%RSD	Ref CPS	%Rec	QC Low	QC High	QC Flag
Li6	6	1	1260316	1.19	616198	204.5	60	125	IS Main Failed
Sc (IS)	45	2	873340	0.94	503733	173.4	60	125	IS Main Failed
Ge (IS)	72	1	17753518	0.22	10290265	172.5	60	125	IS Main Failed
Ge (IS)	72	2	1212361	1.18	765773	158.3	60	125	IS Main Failed
115In	115	2	3777345	0.42	2616552	144.4	60	125	IS Main Failed
Ho-165	165	2	23872644	0.73	17809733	134.0	60	125	IS Main Failed

TuneStep	TuneFile
1	h2_hmi.u
2	he_hmi.u

Sample Report

Sample Name	280-28165-G-10-B@2
Data File Name	249SMPL.D
DataPath	d:\DATA\050212.B
Acq Date Time	2012-05-02T23:57:35-06:00
Type	Sample
VialNumber	4503
Dilution	1
Comment	117260 6020
Operator	LMT
ISTDRefDataFileName	227CALB.D
SamplePassFail	Fail
ISTD PassFail	Pass

QC Analyte Table

Element	m/z	ISTD	Tune Step	Meas Value	FinalConc	%RSD	Units	CPS	CPS%RSD	High Value	QC Flag
Be	9	6	1	0.07	0.07	58.87	ppb	18.33	56.77	3600	
Na	23	45	2	2023889.37	2023889.37	0.79	ppb	345047434.86	1.20	1800000	Sample Main Failed
Mg	24	45	2	111716.47	111716.47	0.76	ppb	7887674.67	1.80	450000	
Al	27	45	2	2564.14	2564.14	3.24	ppb	36311.51	5.07	450000	
K	39	45	2	9866.75	9866.75	0.60	ppb	307669.09	2.04	180000	
Ca	44	45	2	388228.98	388228.98	0.83	ppb	728571.40	1.43	450000	
V	51	72	2	10.31	10.31	5.15	ppb	7534.38	5.99	3600	
Cr	52	72	2	4.19	4.19	12.63	ppb	4400.91	12.38	3600	
Mn	55	72	2	31.79	31.79	4.96	ppb	11357.63	5.70	3600	
Fe	57	72	2	2162.98	2162.98	2.51	ppb	46148.41	3.58	90000	
Co	59	72	2	1.16	1.16	21.20	ppb	2560.42	20.21	3600	
Ni	60	72	2	2.36	2.36	14.19	ppb	1586.86	12.24	3600	
Cu	63	72	2	1.24	1.24	16.56	ppb	3273.94	12.82	3600	
Zn	66	72	2	6.17	6.17	12.92	ppb	1266.81	10.27	3600	
As	75	72	2	5.28	5.28	24.37	ppb	480.03	25.26	3600	
Se	78	72	1	49.08	49.08	2.84	ppb	14706.19	1.62	3600	
Nb	93	72	2	0.75	0.75	10.87	ppb	2260.34	11.30	7200	
Mo	95	115	2	26.05	26.05	6.84	ppb	19826.03	6.07	3600	
Pd	105	115	2	0.03	0.03	100.14	ppb	60.01	66.67	3600	
Ag	107	115	2	0.01	0.01	141.82	ppb	80.01	43.30	900	
Cd	111	115	2	0.06	0.06	110.50	ppb	60.01	33.34	3600	
Sn	120	115	2	0.27	0.27	101.18	ppb	466.72	48.17	3600	
Sb	121	115	2	0.01	0.01	831.82	ppb	26.67	173.21	3600	
Ba	137	115	2	32.88	32.88	1.65	ppb	6495.09	0.99	3600	
W	182	165	2	0.01	0.01	51.58	ppb	846.77	3.61	3600	
Pt	195	165	2	0.01	0.01	411.09	ppb	66.67	147.99	3600	
Tl	205	165	2	0.04	0.04	41.28	ppb	393.37	33.86	3600	
Pb	208	165	2	0.51	0.51	1.73	ppb	5907.70	1.19	3600	
Th	232	165	2	0.88	0.88	8.08	ppb	9010.00	8.35	3600	
U	238	165	2	9.24	9.24	1.55	ppb	112932.17	1.74	3600	

QC ISTD Table

Element	m/z	Tune Step	CPS	%RSD	Ref CPS	%Rec	Lower Limit	Upper Limit	QC Flag
Li6	6	1	840134	2.57	616198	136.3	60	125	IS Main Failed
Sc (IS)	45	2	748395	1.87	503733	148.6	60	125	IS Main Failed
Ge (IS)	72	1	9482388	1.21	10290265	92.1	60	125	
Ge (IS)	72	2	872411	1.10	765773	113.9	60	125	
115In	115	2	2710945	1.86	2616552	103.6	60	125	
Ho-165	165	2	16341604	0.55	17809733	91.8	60	125	

TuneStep	TuneFile	TuneDate
1	h2_hmi.u	5/2/2012 11:56:00 PM
2	he_hmi.u	5/2/2012 11:56:00 PM

Sample Report

Sample Name	280-28165-G-11-B@2
Data File Name	250SMPL.D
DataPath	d:\DATA\050212.B
Acq Date Time	2012-05-03T00:00:37-06:00
Type	Sample
VialNumber	4504
Dilution	1
Comment	117260 6020
Operator	LMT
ISTDRefDataFileName	227CALB.D
SamplePassFail	Fail
ISTD PassFail	Pass

QC Analyte Table

Element	m/z	ISTD	Tune Step	Meas Value	FinalConc	%RSD	Units	CPS	CPS %RSD	High Value	QC Flag
Be	9	6	1	0.00	0.00	#DIV/0!	ppb	0.00	#DIV/0!	3600	
Na	23	45	2	1188269.31	1188269.31	6.62	ppb	236483143.15	4.11	1800000	
Mg	24	45	2	129963.09	129963.09	7.20	ppb	10709443.80	4.61	450000	
Al	27	45	2	24.29	24.29	41.04	ppb	433.38	35.25	450000	
K	39	45	2	8244.45	8244.45	6.21	ppb	300342.48	4.10	180000	
Ca	44	45	2	330049.38	330049.38	6.58	ppb	723011.58	4.00	450000	
V	51	72	2	1.45	1.45	47.85	ppb	1311.30	44.56	3600	
Cr	52	72	2	2.50	2.50	5.22	ppb	3093.89	3.25	3600	
Mn	55	72	2	45.65	45.65	8.84	ppb	19011.61	6.13	3600	
Fe	57	72	2	23.25	23.25	45.32	ppb	706.74	34.58	90000	
Co	59	72	2	0.11	0.11	29.21	ppb	293.37	27.56	3600	
Ni	60	72	2	0.27	0.27	25.27	ppb	320.03	16.54	3600	
Cu	63	72	2	0.08	0.08	157.72	ppb	1286.85	24.89	3600	
Zn	66	72	2	0.36	0.36	162.78	ppb	253.36	47.59	3600	
As	75	72	2	0.75	0.75	47.84	ppb	80.00	50.00	3600	
Se	78	72	1	4.13	4.13	8.36	ppb	1486.75	7.48	3600	
Nb	93	72	2	0.27	0.27	26.95	ppb	1046.80	21.73	7200	
Mo	95	115	2	11.99	11.99	6.98	ppb	10684.12	3.83	3600	
Pd	105	115	2	0.03	0.03	65.61	ppb	73.34	41.66	3600	
Ag	107	115	2	-0.01	-0.01	-22.10	ppb	13.33	86.60	900	
Cd	111	115	2	0.01	0.01	241.02	ppb	53.34	21.66	3600	
Sn	120	115	2	0.07	0.07	151.34	ppb	346.70	26.65	3600	
Sb	121	115	2	0.12	0.12	82.31	ppb	100.01	60.00	3600	
Ba	137	115	2	6.28	6.28	19.46	ppb	1460.20	19.90	3600	
W	182	165	2	-0.03	-0.03	-9.30	ppb	740.09	2.70	3600	
Pt	195	165	2	0.00	0.00	1057.48	ppb	53.34	78.07	3600	
Tl	205	165	2	0.00	0.00	67.95	ppb	93.34	12.37	3600	
Pb	208	165	2	0.00	0.00	1182.42	ppb	1053.44	11.45	3600	
Th	232	165	2	0.13	0.13	34.08	ppb	1800.30	25.85	3600	
U	238	165	2	13.21	13.21	5.27	ppb	188452.09	2.52	3600	

QC ISTD Table

Element	m/z	Tune Step	CPS	%RSD	Ref CPS	%Rec	Lower Limit	Upper Limit	QC Flag
Li6	6	1	1028451	1.03	616198	166.9	60	125	IS Main Failed
Sc (IS)	45	2	874529	2.60	503733	173.6	60	125	IS Main Failed
Ge (IS)	72	1	11386611	0.95	10290265	110.7	60	125	
Ge (IS)	72	2	1019870	2.85	765773	133.2	60	125	IS Main Failed
115In	115	2	3175728	3.05	2616552	121.4	60	125	
Ho-165	165	2	19095008	3.02	17809733	107.2	60	125	

TuneStep	TuneFile	TuneDate
1	h2_hmi.u	5/2/2012 11:59:00 PM
2	he_hmi.u	5/2/2012 11:59:00 PM

Sample Report

Sample Name	280-28165-G-12-B@2
Data File Name	251SMPL.D
DataPath	d:\DATA\050212.B
Acq Date Time	2012-05-03T00:03:38-06:00
Type	Sample
VialNumber	4505
Dilution	1
Comment	117260 6020
Operator	LMT
ISTDRefDataFileName	227CALB.D
SamplePassFail	Fail
ISTD PassFail	Pass

QC Analyte Table

Element	m/z	ISTD	Tune Step	Meas Value	FinalConc	%RSD	Units	CPS	CPS %RSD	High Value	QC Flag
Be	9	6	1	0.01	0.01	100.53	ppb	5.00	100.00	3600	
Na	23	45	2	42541.71	42541.71	1.06	ppb	8414386.33	0.95	1800000	
Mg	24	45	2	62447.35	62447.35	0.40	ppb	5110923.26	0.79	450000	
Al	27	45	2	64.58	64.58	11.73	ppb	1093.48	11.62	450000	
K	39	45	2	7364.91	7364.91	2.35	ppb	266535.17	2.21	180000	
Ca	44	45	2	308934.68	308934.68	0.53	ppb	672078.87	0.80	450000	
V	51	72	2	3.71	3.71	9.72	ppb	3573.81	9.29	3600	
Cr	52	72	2	0.62	0.62	22.49	ppb	906.77	20.85	3600	
Mn	55	72	2	5.27	5.27	13.12	ppb	2480.47	12.98	3600	
Fe	57	72	2	73.30	73.30	7.48	ppb	2167.12	7.06	90000	
Co	59	72	2	0.10	0.10	32.65	ppb	280.03	32.73	3600	
Ni	60	72	2	1.22	1.22	10.74	ppb	1133.47	9.72	3600	
Cu	63	72	2	0.36	0.36	69.52	ppb	2106.97	29.11	3600	
Zn	66	72	2	0.64	0.64	84.85	ppb	346.71	36.64	3600	
As	75	72	2	3.89	3.89	22.56	ppb	456.70	22.37	3600	
Se	78	72	1	15.06	15.06	2.75	ppb	7417.66	2.46	3600	
Nb	93	72	2	0.12	0.12	32.05	ppb	613.40	23.59	7200	
Mo	95	115	2	6.11	6.11	2.06	ppb	6148.27	2.12	3600	
Pd	105	115	2	0.00	0.00	-1454.26	ppb	26.67	43.30	3600	
Ag	107	115	2	-0.01	-0.01	-37.93	ppb	20.00	100.00	900	
Cd	111	115	2	-0.02	-0.02	-386.70	ppb	46.67	65.47	3600	
Sn	120	115	2	-0.03	-0.03	-416.48	ppb	286.70	46.46	3600	
Sb	121	115	2	0.05	0.05	178.75	ppb	66.67	105.35	3600	
Ba	137	115	2	3.63	3.63	15.90	ppb	953.44	16.02	3600	
W	182	165	2	0.00	0.00	-583.95	ppb	1060.13	6.80	3600	
Pt	195	165	2	0.01	0.01	251.05	ppb	100.01	103.93	3600	
Tl	205	165	2	0.00	0.00	189.55	ppb	120.02	44.09	3600	
Pb	208	165	2	0.01	0.01	62.64	ppb	1406.81	8.21	3600	
Th	232	165	2	0.05	0.05	7.48	ppb	1046.80	4.81	3600	
U	238	165	2	18.68	18.68	0.71	ppb	312793.00	0.59	3600	

QC ISTD Table

Element	m/z	Tune Step	CPS	%RSD	Ref CPS	%Rec	Lower Limit	Upper Limit	QC Flag
Li6	6	1	1254812	0.81	616198	203.6	60	125	IS Main Failed
Sc (IS)	45	2	867495	0.64	503733	172.2	60	125	IS Main Failed
Ge (IS)	72	1	15583550	0.30	10290265	151.4	60	125	IS Main Failed
Ge (IS)	72	2	1129508	0.33	765773	147.5	60	125	IS Main Failed
115In	115	2	3576849	0.48	2616552	136.7	60	125	IS Main Failed
Ho-165	165	2	22387078	0.19	17809733	125.7	60	125	IS Main Failed

TuneStep	TuneFile	TuneDate
1	h2_hmi.u	5/3/2012 12:02:00 AM
2	he_hmi.u	5/3/2012 12:02:00 AM

Sample Report

Sample Name	280-28165-G-13-B@2
Data File Name	252SMPL.D
DataPath	d:\DATA\050212.B
Acq Date Time	2012-05-03T00:06:39-06:00
Type	Sample
VialNumber	4506
Dilution	1
Comment	117260 6020
Operator	LMT
ISTDRefDataFileName	227CALB.D
SamplePassFail	Fail
ISTD PassFail	Pass

QC Analyte Table

Element	m/z	ISTD	Tune Step	Meas Value	FinalConc	%RSD	Units	CPS	CPS %RSD	High Value	QC Flag
Be	9	6	1	0.02	0.02	69.03	ppb	8.33	69.28	3600	
Na	23	45	2	285760.70	285760.70	0.42	ppb	55693527.51	1.12	1800000	
Mg	24	45	2	102581.20	102581.20	0.97	ppb	8277700.50	0.24	450000	
Al	27	45	2	1150.69	1150.69	3.24	ppb	18638.68	4.04	450000	
K	39	45	2	9255.28	9255.28	1.06	ppb	329922.36	0.95	180000	
Ca	44	45	2	254615.41	254615.41	0.64	ppb	546189.52	1.51	450000	
V	51	72	2	5.25	5.25	8.06	ppb	4777.19	8.14	3600	
Cr	52	72	2	1.75	1.75	19.51	ppb	2313.69	19.19	3600	
Mn	55	72	2	10.64	10.64	11.20	ppb	4714.38	11.46	3600	
Fe	57	72	2	720.89	720.89	4.62	ppb	19045.38	4.97	90000	
Co	59	72	2	0.52	0.52	19.71	ppb	1406.86	19.41	3600	
Ni	60	72	2	15.75	15.75	1.99	ppb	12311.77	1.96	3600	
Cu	63	72	2	0.77	0.77	21.44	ppb	2953.87	12.80	3600	
Zn	66	72	2	4.10	4.10	37.39	ppb	1100.12	31.07	3600	
As	75	72	2	4.26	4.26	14.73	ppb	476.69	14.74	3600	
Se	78	72	1	17.23	17.23	4.04	ppb	7521.69	3.27	3600	
Nb	93	72	2	0.21	0.21	16.24	ppb	886.79	13.59	7200	
Mo	95	115	2	9.21	9.21	7.52	ppb	8816.28	6.64	3600	
Pd	105	115	2	0.02	0.02	149.97	ppb	66.67	91.65	3600	
Ag	107	115	2	-0.01	-0.01	-32.40	ppb	33.33	34.64	900	
Cd	111	115	2	-0.09	-0.09	-30.13	ppb	13.33	86.60	3600	
Sn	120	115	2	0.01	0.01	434.29	ppb	313.37	13.29	3600	
Sb	121	115	2	0.10	0.10	90.46	ppb	93.34	65.47	3600	
Ba	137	115	2	9.85	9.85	37.59	ppb	2454.22	37.69	3600	
W	182	165	2	-0.01	-0.01	-226.91	ppb	966.78	12.12	3600	
Pt	195	165	2	0.00	0.00	265.18	ppb	73.34	62.99	3600	
Tl	205	165	2	0.01	0.01	91.96	ppb	233.36	57.07	3600	
Pb	208	165	2	0.29	0.29	32.89	ppb	4800.99	24.23	3600	
Th	232	165	2	0.36	0.36	3.92	ppb	4974.56	2.83	3600	
U	238	165	2	41.94	41.94	0.56	ppb	669085.98	0.85	3600	

QC ISTD Table

Element	m/z	Tune Step	CPS	%RSD	Ref CPS	%Rec	Lower Limit	Upper Limit	QC Flag
Li6	6	1	1130814	0.45	616198	183.5	60	125	IS Main Failed
Sc (IS)	45	2	855384	1.18	503733	169.8	60	125	IS Main Failed
Ge (IS)	72	1	13816787	0.77	10290265	134.3	60	125	IS Main Failed
Ge (IS)	72	2	1075031	0.39	765773	140.4	60	125	IS Main Failed
115In	115	2	3409251	0.99	2616552	130.3	60	125	IS Main Failed
Ho-165	165	2	21332126	0.89	17809733	119.8	60	125	

TuneStep	TuneFile	TuneDate
1	h2_hmi.u	5/3/2012 12:05:00 AM
2	he_hmi.u	5/3/2012 12:05:00 AM

Sample Report

Sample Name	280-28165-G-13-B sd@10
Data File Name	253SMPL.D
DataPath	d:\DATA\050212.B
Acq Date Time	2012-05-03T00:09:40-06:00
Type	Sample
VialNumber	4507
Dilution	1
Comment	117260 6020
Operator	LMT
ISTDRefDataFileName	227CALB.D
SamplePassFail	Fail
ISTD PassFail	Pass

QC Analyte Table

Element	m/z	ISTD	Tune Step	Meas Value	FinalConc	%RSD	Units	CPS	CPS %RSD	High Value	QC Flag
Be	9	6	1	0.00	0.00	173.21	ppb	1.67	173.21	3600	
Na	23	45	2	56995.70	56995.70	0.64	ppb	11262370.25	0.22	1800000	
Mg	24	45	2	21384.70	21384.70	1.12	ppb	1749024.30	1.64	450000	
Al	27	45	2	208.35	208.35	4.19	ppb	3447.44	3.86	450000	
K	39	45	2	1824.85	1824.85	1.96	ppb	67011.71	1.96	180000	
Ca	44	45	2	50728.00	50728.00	3.31	ppb	110280.65	2.79	450000	
V	51	72	2	1.09	1.09	36.06	ppb	1141.03	32.35	3600	
Cr	52	72	2	0.40	0.40	15.17	ppb	633.41	13.15	3600	
Mn	55	72	2	2.32	2.32	20.11	ppb	1146.81	18.81	3600	
Fe	57	72	2	145.76	145.76	17.15	ppb	4274.38	16.96	90000	
Co	59	72	2	0.07	0.07	74.15	ppb	220.02	74.42	3600	
Ni	60	72	2	3.43	3.43	8.70	ppb	3000.49	8.72	3600	
Cu	63	72	2	0.13	0.13	19.08	ppb	1586.88	3.64	3600	
Zn	66	72	2	2.38	2.38	10.62	ppb	773.41	7.90	3600	
As	75	72	2	0.88	0.88	4.82	ppb	106.67	5.42	3600	
Se	78	72	1	3.40	3.40	9.72	ppb	1742.78	9.77	3600	
Nb	93	72	2	0.07	0.07	36.71	ppb	453.39	22.64	7200	
Mo	95	115	2	1.82	1.82	24.13	ppb	1880.27	23.09	3600	
Pd	105	115	2	0.00	0.00	-242.40	ppb	20.00	100.00	3600	
Ag	107	115	2	-0.01	-0.01	-109.50	ppb	46.67	65.47	900	
Cd	111	115	2	-0.06	-0.06	-38.67	ppb	26.67	43.30	3600	
Sn	120	115	2	-0.01	-0.01	-626.77	ppb	313.37	26.57	3600	
Sb	121	115	2	-0.01	-0.01	-449.30	ppb	20.00	173.21	3600	
Ba	137	115	2	1.81	1.81	19.00	ppb	493.39	18.28	3600	
W	182	165	2	0.00	0.00	-886.04	ppb	1080.15	21.36	3600	
Pt	195	165	2	0.00	0.00	-40.26	ppb	60.00	0.01	3600	
Tl	205	165	2	0.00	0.00	130.93	ppb	126.68	32.87	3600	
Pb	208	165	2	0.06	0.06	32.58	ppb	2046.91	12.57	3600	
Th	232	165	2	0.07	0.07	27.98	ppb	1386.90	20.87	3600	
U	238	165	2	8.49	8.49	1.92	ppb	146788.49	1.61	3600	

QC ISTD Table

Element	m/z	Tune Step	CPS	%RSD	Ref CPS	%Rec	Lower Limit	Upper Limit	QC Flag
Li6	6	1	1215722	1.09	616198	197.3	60	125	IS Main Failed
Sc (IS)	45	2	866837	0.52	503733	172.1	60	125	IS Main Failed
Ge (IS)	72	1	16212643	0.73	10290265	157.6	60	125	IS Main Failed
Ge (IS)	72	2	1159041	0.62	765773	151.4	60	125	IS Main Failed
115In	115	2	3667862	0.92	2616552	140.2	60	125	IS Main Failed
Ho-165	165	2	23100534	0.32	17809733	129.7	60	125	IS Main Failed

TuneStep	TuneFile	TuneDate
1	h2_hmi.u	5/3/2012 12:08:00 AM
2	he_hmi.u	5/3/2012 12:08:00 AM

Continuing Calibration Verification (CCV) - US EPA Method 6020

Sample Name	ccv-1394868
Data File Name	2546CCV.D
DataPath	d:\DATA\050212.B
Acq Date Time	2012-05-03T00:12:38-06:00
Type	6-CCV
VialNumber	1105
Dilution	1
Comment	
Operator	LMT
ISTDRefDataFileName	227CALB.D
SamplePassFail	Fail
ISTD PassFail	Pass

QC Analyte Table

Element	m/z	ISTD	Tune Step	Meas Value	%RSD	Units	CPS	CPS%RSD	Exp Value	%Rec	QC Low	QC High	QC Flag
Be	9	6	1	47.80	2.73	ppb	17212.96	2.77	50	95.6	90	110	
Na	23	45	2	5557.56	2.37	ppb	1085844.70	1.46	5000	111.2	90	110	6-CCV Main Failed
Mg	24	45	2	5394.65	0.98	ppb	433903.87	0.39	5000	107.9	90	110	
Al	27	45	2	5294.72	2.35	ppb	85310.72	1.05	5000	105.9	90	110	
K	39	45	2	5333.63	1.94	ppb	190004.08	0.69	5000	106.7	90	110	
Ca	44	45	2	4931.53	0.51	ppb	10563.95	1.55	5000	98.6	90	110	
V	51	72	2	53.22	5.36	ppb	52148.12	5.47	50	106.4	90	110	
Cr	52	72	2	54.76	2.03	ppb	76697.13	2.23	50	109.5	90	110	
Mn	55	72	2	54.06	4.43	ppb	26067.11	4.39	50	108.1	90	110	
Fe	57	72	2	5399.78	0.98	ppb	155474.67	0.79	5000	108.0	90	110	
Co	59	72	2	53.66	1.56	ppb	160443.84	1.36	50	107.3	90	110	
Ni	60	72	2	53.73	2.75	ppb	45713.50	2.61	50	107.5	90	110	
Cu	63	72	2	54.49	2.42	ppb	139941.54	2.39	50	109.0	90	110	
Zn	66	72	2	54.25	2.20	ppb	13472.89	2.17	50	108.5	90	110	
As	75	72	2	54.58	2.70	ppb	6694.89	2.74	50	109.2	90	110	
Se	78	72	1	52.01	1.52	ppb	27704.21	1.80	50	104.0	90	110	
Nb	93	72	2	98.67	1.36	ppb	378064.87	1.17	100	98.7	90	110	
Mo	95	115	2	54.58	2.19	ppb	56841.00	1.65	50	109.2	90	110	
Pd	105	115	2	54.79	4.31	ppb	112356.27	2.48	50	109.6	90	110	
Ag	107	115	2	53.47	2.03	ppb	247758.12	0.86	50	106.9	90	110	
Cd	111	115	2	53.32	4.00	ppb	24639.21	3.01	50	106.6	90	110	
Sn	120	115	2	50.66	4.99	ppb	58355.50	3.04	50	101.3	90	110	
Sb	121	115	2	48.57	6.17	ppb	36427.44	4.58	50	97.1	90	110	
Ba	137	115	2	48.38	6.76	ppb	13066.38	5.22	50	96.8	90	110	
W	182	165	2	50.37	1.75	ppb	331927.59	1.18	50	100.7	90	110	
Pt	195	165	2	50.99	1.06	ppb	291877.91	0.72	50	102.0	90	110	
Tl	205	165	2	49.35	1.60	ppb	533219.54	1.02	50	98.7	90	110	
Pb	208	165	2	48.53	0.86	ppb	677831.43	0.57	50	97.1	90	110	
Th	232	165	2	46.36	1.19	ppb	661694.60	0.78	50	92.7	90	110	
U	238	165	2	46.52	1.41	ppb	812648.58	0.84	50	93.0	90	110	

QC ISTD Table

Element	m/z	Tune Step	CPS	%RSD	Ref CPS	%Rec	QC Low	QC High	QC Flag
Li6	6	1	1171473	0.21	616198	190.1	60	125	IS Main Failed
Sc (IS)	45	2	852386	1.33	503733	169.2	60	125	IS Main Failed
Ge (IS)	72	1	16852774	0.47	10290265	163.8	60	125	IS Main Failed
Ge (IS)	72	2	1179309	0.20	765773	154.0	60	125	IS Main Failed
115In	115	2	3709707	2.27	2616552	141.8	60	125	IS Main Failed
Ho-165	165	2	23358777	0.58	17809733	131.2	60	125	IS Main Failed

TuneStep	TuneFile
1	h2_hmi.u
2	he_hmi.u

Continuing Calibration Blank (CCB) - US EPA Method 6020

Sample Name	ccb-1394903
Data File Name	2556CCB.D
DataPath	d:\DATA\050212.B
Acq Date Time	2012-05-03T00:15:37-06:00
Type	6-CCB
VialNumber	1305
Dilution	1
Comment	
Operator	LMT
ISTDRefDataFileName	227CALB.D
SamplePassFail	Fail
ISTD PassFail	Pass

QC Analyte Table

Element	m/z	ISTD	Tune Step	Meas Value	%RSD	Units	CPS	CPS %RSD	QC High	QC Flag
Be	9	6	1	0.00	173.21	ppb	1.67	173.21	1	
Na	23	45	2	219.16	2.97	ppb	48812.41	2.76	20	6-CCB Main Failed
Mg	24	45	2	9.01	18.46	ppb	840.09	16.50	20	
Al	27	45	2	0.82	175.46	ppb	46.67	49.49	20	
K	39	45	2	3.92	216.92	ppb	1453.52	20.29	20	
Ca	44	45	2	14.83	243.54	ppb	53.34	141.97	20	
V	51	72	2	-0.20	-80.14	ppb	-97.36	-162.13	1	
Cr	52	72	2	0.01	107.04	ppb	100.01	20.00	1	
Mn	55	72	2	0.06	245.66	ppb	80.01	90.14	1	
Fe	57	72	2	5.61	65.50	ppb	313.37	32.76	20	
Co	59	72	2	0.01	92.08	ppb	33.34	91.66	1	
Ni	60	72	2	0.07	129.32	ppb	200.02	36.06	1	
Cu	63	72	2	0.06	68.96	ppb	1420.20	7.32	1	
Zn	66	72	2	-0.07	-296.85	ppb	186.68	26.96	5	
As	75	72	2	0.25	33.15	ppb	30.00	33.33	5	
Se	78	72	1	0.05	20.50	ppb	30.67	19.92	5	
Nb	93	72	2	1.04	8.77	ppb	4140.84	8.95	5	
Mo	95	115	2	0.05	39.42	ppb	60.00	33.34	1	
Pd	105	115	2	0.04	99.97	ppb	120.01	76.38	1	
Ag	107	115	2	0.00	420.54	ppb	93.34	81.13	1	
Cd	111	115	2	-0.02	-466.72	ppb	46.67	98.98	1	
Sn	120	115	2	0.11	14.45	ppb	460.05	4.35	5	
Sb	121	115	2	0.16	35.21	ppb	146.69	28.39	0.2	
Ba	137	115	2	0.04	327.14	ppb	20.00	173.21	1	
W	182	165	2	0.08	29.15	ppb	1660.23	9.41	1	
Pt	195	165	2	0.01	94.66	ppb	93.34	32.73	1	
Tl	205	165	2	0.02	52.54	ppb	306.70	35.92	1	
Pb	208	165	2	0.00	-371.75	ppb	1213.46	17.16	1	
Th	232	165	2	0.23	16.27	ppb	3567.39	14.41	1	
U	238	165	2	0.03	14.52	ppb	526.73	12.21	1	

QC ISTD Table

Element	m/z	Tune Step	CPS	%RSD	Ref CPS	%Rec	QC Low	QC High	QC Flag
Li6	6	1	1173017	0.91	616198	190.4	60	125	IS Main Failed
Sc (IS)	45	2	842904	0.77	503733	167.3	60	125	IS Main Failed
Ge (IS)	72	1	16626464	1.22	10290265	161.6	60	125	IS Main Failed
Ge (IS)	72	2	1173563	0.90	765773	153.3	60	125	IS Main Failed
115In	115	2	3712001	0.37	2616552	141.9	60	125	IS Main Failed
Ho-165	165	2	23252731	0.34	17809733	130.6	60	125	IS Main Failed

TuneStep	TuneFile
1	h2_hmi.u
2	he_hmi.u

Sample Report

Sample Name	280-28165-G-13-C MS@2
Data File Name	256SMPL.D
DataPath	d:\DATA\050212.B
Acq Date Time	2012-05-03T00:18:38-06:00
Type	Sample
VialNumber	4508
Dilution	1
Comment	117260 6020
Operator	LMT
ISTDRefDataFileName	227CALB.D
SamplePassFail	Fail
ISTD PassFail	Pass

QC Analyte Table

Element	m/z	ISTD	Tune Step	Meas Value	FinalConc	%RSD	Units	CPS	CPS%RSD	High Value	QC Flag
Be	9	6	1	17.76	17.76	3.19	ppb	5239.16	1.98	3600	
Na	23	45	2	282279.95	282279.95	1.34	ppb	49547920.93	0.18	1800000	
Mg	24	45	2	101960.17	101960.17	0.73	ppb	7410904.47	0.83	450000	
Al	27	45	2	1154.77	1154.77	5.38	ppb	16843.37	5.18	450000	
K	39	45	2	9387.27	9387.27	1.17	ppb	301375.07	0.55	180000	
Ca	44	45	2	258006.79	258006.79	0.68	ppb	498496.75	1.25	450000	
V	51	72	2	28.03	28.03	1.06	ppb	23201.57	1.82	3600	
Cr	52	72	2	23.33	23.33	2.16	ppb	27582.53	1.49	3600	
Mn	55	72	2	32.94	32.94	4.48	ppb	13412.77	5.46	3600	
Fe	57	72	2	672.82	672.82	5.96	ppb	16449.66	6.29	90000	
Co	59	72	2	21.81	21.81	2.61	ppb	54965.49	1.59	3600	
Ni	60	72	2	36.30	36.30	4.63	ppb	26073.69	3.87	3600	
Cu	63	72	2	20.88	20.88	5.72	ppb	45867.63	5.55	3600	
Zn	66	72	2	18.96	18.96	7.33	ppb	4080.84	6.26	3600	
As	75	72	2	24.72	24.72	6.41	ppb	2556.96	6.71	3600	
Se	78	72	1	38.03	38.03	3.48	ppb	14604.77	3.34	3600	
Nb	93	72	2	0.63	0.63	13.08	ppb	2193.66	12.78	7200	
Mo	95	115	2	31.09	31.09	5.91	ppb	28405.00	5.48	3600	
Pd	105	115	2	0.00	0.00	1299.70	ppb	26.67	86.60	3600	
Ag	107	115	2	18.56	18.56	2.03	ppb	75480.23	2.50	900	
Cd	111	115	2	18.14	18.14	4.78	ppb	7388.92	5.18	3600	
Sn	120	115	2	16.62	16.62	4.28	ppb	16997.01	4.08	3600	
Sb	121	115	2	16.89	16.89	8.42	ppb	11131.34	7.99	3600	
Ba	137	115	2	29.61	29.61	2.84	ppb	7022.06	3.24	3600	
W	182	165	2	0.01	0.01	228.27	ppb	1026.78	9.21	3600	
Pt	195	165	2	0.01	0.01	92.23	ppb	86.68	35.25	3600	
Tl	205	165	2	18.17	18.17	1.54	ppb	172723.16	1.28	3600	
Pb	208	165	2	17.92	17.92	0.59	ppb	220822.73	0.45	3600	
Th	232	165	2	18.10	18.10	1.85	ppb	227439.08	1.85	3600	
U	238	165	2	60.68	60.68	0.73	ppb	932328.32	1.00	3600	

QC ISTD Table

Element	m/z	Tune Step	CPS	%RSD	Ref CPS	%Rec	Lower Limit	Upper Limit	QC Flag
Li6	6	1	959760	1.68	616198	155.8	60	125	IS Main Failed
Sc (IS)	45	2	770454	1.23	503733	152.9	60	125	IS Main Failed
Ge (IS)	72	1	12153277	0.90	10290265	118.1	60	125	
Ge (IS)	72	2	994332	1.03	765773	129.8	60	125	IS Main Failed
115In	115	2	3253788	0.48	2616552	124.4	60	125	
Ho-165	165	2	20545700	0.27	17809733	115.4	60	125	

TuneStep	TuneFile	TuneDate
1	h2_hmi.u	5/3/2012 12:17:00 AM
2	he_hmi.u	5/3/2012 12:17:00 AM

Sample Report

Sample Name	280-28165-G-13-D MSD@2
Data File Name	257SMPL.D
DataPath	d:\DATA\050212.B
Acq Date Time	2012-05-03T00:21:39-06:00
Type	Sample
VialNumber	4509
Dilution	1
Comment	117260 6020
Operator	LMT
ISTDRefDataFileName	227CALB.D
SamplePassFail	Fail
ISTD PassFail	Pass

QC Analyte Table

Element	m/z	ISTD	Tune Step	Meas Value	FinalConc	%RSD	Units	CPS	CPS %RSD	High Value	QC Flag
Be	9	6	1	15.61	15.61	7.73	ppb	4583.98	7.42	3600	
Na	23	45	2	279578.09	279578.09	0.71	ppb	48814809.27	0.97	1800000	
Mg	24	45	2	101460.86	101460.86	0.68	ppb	7335188.02	0.85	450000	
Al	27	45	2	1085.76	1085.76	0.21	ppb	15754.88	0.48	450000	
K	39	45	2	9229.93	9229.93	1.20	ppb	294768.59	1.16	180000	
Ca	44	45	2	255809.53	255809.53	0.13	ppb	491590.85	0.29	450000	
V	51	72	2	29.28	29.28	9.10	ppb	23880.32	9.70	3600	
Cr	52	72	2	24.05	24.05	3.86	ppb	28016.85	3.00	3600	
Mn	55	72	2	33.70	33.70	5.59	ppb	13512.84	4.67	3600	
Fe	57	72	2	715.57	715.57	4.48	ppb	17230.24	4.83	90000	
Co	59	72	2	21.97	21.97	1.10	ppb	54584.66	0.45	3600	
Ni	60	72	2	37.77	37.77	2.68	ppb	26728.53	2.62	3600	
Cu	63	72	2	21.26	21.26	1.80	ppb	46001.05	2.10	3600	
Zn	66	72	2	21.10	21.10	15.87	ppb	4454.28	14.44	3600	
As	75	72	2	25.29	25.29	1.46	ppb	2576.97	1.95	3600	
Se	78	72	1	37.68	37.68	2.36	ppb	14356.59	0.96	3600	
Nb	93	72	2	0.36	0.36	8.07	ppb	1293.53	6.44	7200	
Mo	95	115	2	31.09	31.09	1.43	ppb	27863.90	0.66	3600	
Pd	105	115	2	0.01	0.01	221.67	ppb	40.00	86.60	3600	
Ag	107	115	2	19.23	19.23	3.57	ppb	76699.53	3.29	900	
Cd	111	115	2	17.91	17.91	5.18	ppb	7155.45	5.60	3600	
Sn	120	115	2	17.74	17.74	7.19	ppb	17777.22	7.07	3600	
Sb	121	115	2	18.28	18.28	7.31	ppb	11818.38	6.68	3600	
Ba	137	115	2	29.06	29.06	8.61	ppb	6761.96	8.91	3600	
W	182	165	2	0.01	0.01	373.49	ppb	1006.81	11.47	3600	
Pt	195	165	2	0.00	0.00	229.08	ppb	66.67	45.83	3600	
Tl	205	165	2	18.27	18.27	1.31	ppb	171970.00	1.06	3600	
Pb	208	165	2	18.25	18.25	0.99	ppb	222699.55	0.78	3600	
Th	232	165	2	18.53	18.53	2.17	ppb	230569.69	2.28	3600	
U	238	165	2	61.39	61.39	0.71	ppb	934124.52	0.40	3600	

QC ISTD Table

Element	m/z	Tune Step	CPS	%RSD	Ref CPS	%Rec	Lower Limit	Upper Limit	QC Flag
Li6	6	1	955237	0.37	616198	155.0	60	125	IS Main Failed
Sc (IS)	45	2	766296	0.29	503733	152.1	60	125	IS Main Failed
Ge (IS)	72	1	12059389	1.41	10290265	117.2	60	125	
Ge (IS)	72	2	979768	0.92	765773	127.9	60	125	IS Main Failed
115In	115	2	3191674	0.77	2616552	122.0	60	125	
Ho-165	165	2	20346692	0.47	17809733	114.2	60	125	

TuneStep	TuneFile	TuneDate
1	h2_hmi.u	5/3/2012 12:20:00 AM
2	he_hmi.u	5/3/2012 12:20:00 AM

Sample Report

Sample Name	280-28165-G-13-B pds@2
Data File Name	258SMPL.D
DataPath	d:\DATA\050212.B
Acq Date Time	2012-05-03T00:24:40-06:00
Type	Sample
VialNumber	4510
Dilution	1
Comment	117260 6020
Operator	LMT
ISTDRefDataFileName	227CALB.D
SamplePassFail	Fail
ISTD PassFail	Pass

QC Analyte Table

Element	m/z	ISTD	Tune Step	Meas Value	FinalConc	%RSD	Units	CPS	CPS %RSD	High Value	QC Flag
Be	9	6	1	164.23	164.23	1.56	ppb	47870.18	1.13	3600	
Na	23	45	2	279223.95	279223.95	1.75	ppb	47692929.29	0.66	1800000	
Mg	24	45	2	100467.69	100467.69	1.30	ppb	7105728.23	0.14	450000	
Al	27	45	2	1174.13	1174.13	3.87	ppb	16662.64	3.00	450000	
K	39	45	2	9229.58	9229.58	1.75	ppb	288352.21	0.53	180000	
Ca	44	45	2	253667.18	253667.18	1.72	ppb	476882.32	0.67	450000	
V	51	72	2	243.85	243.85	0.89	ppb	194879.33	0.34	3600	
Cr	52	72	2	228.47	228.47	1.16	ppb	261151.70	0.41	3600	
Mn	55	72	2	238.53	238.53	2.20	ppb	93804.61	2.01	3600	
Fe	57	72	2	718.59	718.59	6.02	ppb	17016.55	6.83	90000	
Co	59	72	2	220.53	220.53	0.64	ppb	538659.08	0.32	3600	
Ni	60	72	2	229.96	229.96	0.64	ppb	159431.18	0.91	3600	
Cu	63	72	2	205.76	205.76	2.47	ppb	428764.54	1.76	3600	
Zn	66	72	2	183.95	183.95	1.99	ppb	36920.26	2.76	3600	
As	75	72	2	210.63	210.63	1.27	ppb	21103.13	0.40	3600	
Se	78	72	1	217.70	217.70	1.12	ppb	80525.67	0.87	3600	
Nb	93	72	2	0.40	0.40	23.10	ppb	1400.33	20.17	7200	
Mo	95	115	2	226.76	226.76	2.65	ppb	203581.74	1.61	3600	
Pd	105	115	2	0.03	0.03	83.23	ppb	73.34	56.77	3600	
Ag	107	115	2	183.80	183.80	3.01	ppb	734559.39	4.47	900	
Cd	111	115	2	189.96	189.96	2.38	ppb	75601.15	3.29	3600	
Sn	120	115	2	201.12	201.12	2.51	ppb	198987.11	1.11	3600	
Sb	121	115	2	183.79	183.79	1.58	ppb	118846.81	0.38	3600	
Ba	137	115	2	214.19	214.19	5.34	ppb	49862.48	3.95	3600	
W	182	165	2	0.02	0.02	49.52	ppb	1120.14	6.19	3600	
Pt	195	165	2	0.00	0.00	626.99	ppb	60.00	66.67	3600	
Tl	205	165	2	186.70	186.70	1.59	ppb	1767722.32	1.45	3600	
Pb	208	165	2	179.23	179.23	0.99	ppb	2191275.83	0.82	3600	
Th	232	165	2	183.75	183.75	0.57	ppb	2297589.65	0.73	3600	
U	238	165	2	225.50	225.50	0.53	ppb	3452300.78	0.69	3600	

QC ISTD Table

Element	m/z	Tune Step	CPS	%RSD	Ref CPS	%Rec	Lower Limit	Upper Limit	QC Flag
Li6	6	1	948193	0.55	616198	153.9	60	125	IS Main Failed
Sc (IS)	45	2	749746	1.22	503733	148.8	60	125	IS Main Failed
Ge (IS)	72	1	11704901	0.70	10290265	113.7	60	125	
Ge (IS)	72	2	963355	0.86	765773	125.8	60	125	IS Main Failed
115In	115	2	3198596	1.46	2616552	122.2	60	125	
Ho-165	165	2	20472646	0.17	17809733	115.0	60	125	

TuneStep	TuneFile	TuneDate
1	h2_hmi.u	5/3/2012 12:23:00 AM
2	he_hmi.u	5/3/2012 12:23:00 AM

Sample Report

Sample Name	280-28165-G-14-B@2
Data File Name	259SMPL.D
DataPath	d:\DATA\050212.B
Acq Date Time	2012-05-03T00:27:41-06:00
Type	Sample
VialNumber	4511
Dilution	1
Comment	117260 6020
Operator	LMT
ISTDRefDataFileName	227CALB.D
SamplePassFail	Fail
ISTD PassFail	Pass

QC Analyte Table

Element	m/z	ISTD	Tune Step	Meas Value	FinalConc	%RSD	Units	CPS	CPS %RSD	High Value	QC Flag
Be	9	6	1	0.13	0.13	5.36	ppb	31.67	9.12	3600	
Na	23	45	2	1641760.56	1641760.56	0.41	ppb	271258642.63	2.18	1800000	
Mg	24	45	2	168396.75	168396.75	1.44	ppb	11520088.16	1.58	450000	
Al	27	45	2	54.23	54.23	17.29	ppb	773.42	18.17	450000	
K	39	45	2	8347.29	8347.29	1.01	ppb	252409.69	2.56	180000	
Ca	44	45	2	362635.80	362635.80	0.76	ppb	659513.06	2.21	450000	
V	51	72	2	3.23	3.23	21.29	ppb	2334.77	21.66	3600	
Cr	52	72	2	3.72	3.72	4.73	ppb	3780.71	5.05	3600	
Mn	55	72	2	71.05	71.05	7.31	ppb	24471.48	7.78	3600	
Fe	57	72	2	56.32	56.32	8.39	ppb	1266.82	6.57	90000	
Co	59	72	2	0.22	0.22	43.89	ppb	460.05	42.82	3600	
Ni	60	72	2	0.39	0.39	33.28	ppb	340.03	23.53	3600	
Cu	63	72	2	0.38	0.38	13.20	ppb	1606.89	5.88	3600	
Zn	66	72	2	3.75	3.75	19.74	ppb	800.10	15.21	3600	
As	75	72	2	1.71	1.71	32.64	ppb	150.01	33.34	3600	
Se	78	72	1	3.57	3.57	17.97	ppb	986.71	16.53	3600	
Nb	93	72	2	0.12	0.12	17.28	ppb	460.06	11.50	7200	
Mo	95	115	2	25.72	25.72	2.15	ppb	19672.41	3.89	3600	
Pd	105	115	2	0.04	0.04	63.59	ppb	86.67	48.04	3600	
Ag	107	115	2	0.22	0.22	15.75	ppb	800.09	13.92	900	
Cd	111	115	2	0.27	0.27	111.91	ppb	133.35	76.97	3600	
Sn	120	115	2	0.57	0.57	95.44	ppb	721.06	62.70	3600	
Sb	121	115	2	0.50	0.50	42.25	ppb	293.36	38.77	3600	
Ba	137	115	2	14.34	14.34	12.27	ppb	2853.87	13.74	3600	
W	182	165	2	0.00	0.00	3731.79	ppb	806.76	8.71	3600	
Pt	195	165	2	0.00	0.00	2489.73	ppb	46.67	137.77	3600	
Tl	205	165	2	0.08	0.08	33.32	ppb	720.08	30.56	3600	
Pb	208	165	2	0.18	0.18	7.18	ppb	2733.69	5.54	3600	
Th	232	165	2	2.56	2.56	13.61	ppb	26571.57	14.36	3600	
U	238	165	2	17.64	17.64	1.93	ppb	221608.99	2.18	3600	

QC ISTD Table

Element	m/z	Tune Step	CPS	%RSD	Ref CPS	%Rec	Lower Limit	Upper Limit	QC Flag
Li6	6	1	783835	3.66	616198	127.2	60	125	IS Main Failed
Sc (IS)	45	2	725200	1.90	503733	144.0	60	125	IS Main Failed
Ge (IS)	72	1	8750406	2.69	10290265	85.0	60	125	
Ge (IS)	72	2	842557	1.11	765773	110.0	60	125	
115In	115	2	2723206	1.74	2616552	104.1	60	125	
Ho-165	165	2	16795910	0.93	17809733	94.3	60	125	

TuneStep	TuneFile	TuneDate
1	h2_hmi.u	5/3/2012 12:26:00 AM
2	he_hmi.u	5/3/2012 12:26:00 AM

Continuing Calibration Verification (CCV) - US EPA Method 6020

Sample Name	ccv-1394868
Data File Name	2606CCV.D
DataPath	d:\DATA\050212.B
Acq Date Time	2012-05-03T00:30:39-06:00
Type	6-CCV
VialNumber	1105
Dilution	1
Comment	
Operator	LMT
ISTDRefDataFileName	227CALB.D
SamplePassFail	Fail
ISTD PassFail	Pass

QC Analyte Table

Element	m/z	ISTD	Tune Step	Meas Value	%RSD	Units	CPS	CPS%RSD	Exp Value	%Rec	QC Low	QC High	QC Flag
Be	9	6	1	44.12	1.76	ppb	16190.46	1.16	50	88.2	90	110	6-CCV Main Failed
Na	23	45	2	6086.13	2.39	ppb	1140364.54	2.70	5000	121.7	90	110	6-CCV Main Failed
Mg	24	45	2	5412.19	1.08	ppb	417643.48	1.31	5000	108.2	90	110	
Al	27	45	2	5338.86	1.35	ppb	82538.73	1.44	5000	106.8	90	110	
K	39	45	2	5320.11	0.91	ppb	181847.10	1.20	5000	106.4	90	110	
Ca	44	45	2	5105.48	6.21	ppb	10490.54	6.16	5000	102.1	90	110	
V	51	72	2	55.43	2.53	ppb	52311.62	2.60	50	110.9	90	110	6-CCV Main Failed
Cr	52	72	2	55.20	3.80	ppb	74456.42	3.67	50	110.4	90	110	6-CCV Main Failed
Mn	55	72	2	56.68	1.15	ppb	26320.99	1.32	50	113.4	90	110	6-CCV Main Failed
Fe	57	72	2	5573.56	0.78	ppb	154567.24	0.88	5000	111.5	90	110	6-CCV Main Failed
Co	59	72	2	54.47	1.34	ppb	156877.31	1.47	50	108.9	90	110	
Ni	60	72	2	55.06	4.15	ppb	45119.29	4.28	50	110.1	90	110	6-CCV Main Failed
Cu	63	72	2	55.60	0.70	ppb	137516.52	0.53	50	111.2	90	110	6-CCV Main Failed
Zn	66	72	2	55.85	6.86	ppb	13352.90	6.83	50	111.7	90	110	6-CCV Main Failed
As	75	72	2	51.56	3.46	ppb	6091.30	3.44	50	103.1	90	110	
Se	78	72	1	51.48	1.95	ppb	26627.90	1.33	50	103.0	90	110	
Nb	93	72	2	101.24	1.26	ppb	373636.01	1.15	100	101.2	90	110	
Mo	95	115	2	53.76	1.59	ppb	54869.32	1.64	50	107.5	90	110	
Pd	105	115	2	53.42	1.11	ppb	107419.74	1.00	50	106.8	90	110	
Ag	107	115	2	54.64	1.56	ppb	248142.80	1.16	50	109.3	90	110	
Cd	111	115	2	53.07	2.45	ppb	24038.65	2.17	50	106.1	90	110	
Sn	120	115	2	51.87	1.39	ppb	58582.88	1.09	50	103.7	90	110	
Sb	121	115	2	48.97	4.00	ppb	36013.47	3.65	50	97.9	90	110	
Ba	137	115	2	48.50	2.89	ppb	12846.01	2.86	50	97.0	90	110	
W	182	165	2	50.31	1.11	ppb	327050.74	1.10	50	100.6	90	110	
Pt	195	165	2	50.45	1.07	ppb	284922.31	1.31	50	100.9	90	110	
Tl	205	165	2	49.93	0.77	ppb	532137.97	0.15	50	99.9	90	110	
Pb	208	165	2	48.73	1.18	ppb	671402.06	0.82	50	97.5	90	110	
Th	232	165	2	47.36	1.22	ppb	666782.75	0.51	50	94.7	90	110	
U	238	165	2	46.94	1.35	ppb	808780.30	0.95	50	93.9	90	110	

QC ISTD Table

Element	m/z	Tune Step	CPS	%RSD	Ref CPS	%Rec	QC Low	QC High	QC Flag
Li6	6	1	1193941	1.39	616198	193.8	60	125	IS Main Failed
Sc (IS)	45	2	817703	0.32	503733	162.3	60	125	IS Main Failed
Ge (IS)	72	1	16367430	0.64	10290265	159.1	60	125	IS Main Failed
Ge (IS)	72	2	1135887	0.18	765773	148.3	60	125	IS Main Failed
115In	115	2	3635190	0.43	2616552	138.9	60	125	IS Main Failed
Ho-165	165	2	23042198	0.81	17809733	129.4	60	125	IS Main Failed

TuneStep	TuneFile
1	h2_hmi.u
2	he_hmi.u

Continuing Calibration Blank (CCB) - US EPA Method 6020

Sample Name	ccb-1394903
Data File Name	2616CCB.D
DataPath	d:\DATA\050212.B
Acq Date Time	2012-05-03T00:33:36-06:00
Type	6-CCB
VialNumber	1305
Dilution	1
Comment	
Operator	LMT
ISTDRefDataFileName	227CALB.D
SamplePassFail	Fail
ISTD PassFail	Pass

QC Analyte Table

Element	m/z	ISTD	Tune Step	Meas Value	%RSD	Units	CPS	CPS %RSD	QC High	QC Flag
Be	9	6	1	0.02	124.76	ppb	8.33	124.90	1	
Na	23	45	2	318.51	2.22	ppb	65926.07	1.37	20	6-CCB Main Failed
Mg	24	45	2	18.40	10.69	ppb	1540.21	9.81	20	
Al	27	45	2	0.47	267.96	ppb	40.00	50.01	20	
K	39	45	2	8.65	74.39	ppb	1573.56	14.62	20	
Ca	44	45	2	34.95	141.18	ppb	93.34	107.86	20	6-CCB Main Failed
V	51	72	2	-0.08	-208.79	ppb	25.39	588.07	1	
Cr	52	72	2	0.07	72.34	ppb	166.68	38.57	1	
Mn	55	72	2	0.21	11.06	ppb	146.68	7.87	1	
Fe	57	72	2	3.83	57.73	ppb	253.36	24.12	20	
Co	59	72	2	0.03	74.23	ppb	86.68	74.18	1	
Ni	60	72	2	0.01	1045.35	ppb	146.68	56.77	1	
Cu	63	72	2	0.02	496.83	ppb	1280.15	23.64	1	
Zn	66	72	2	0.02	1976.90	ppb	200.02	36.06	5	
As	75	72	2	0.06	86.60	ppb	6.67	86.60	5	
Se	78	72	1	0.09	26.86	ppb	49.33	26.06	5	
Nb	93	72	2	1.11	12.19	ppb	4227.59	11.75	5	
Mo	95	115	2	0.16	28.10	ppb	173.35	26.65	1	
Pd	105	115	2	0.03	33.31	ppb	93.34	24.74	1	
Ag	107	115	2	0.05	22.81	ppb	313.37	16.06	1	
Cd	111	115	2	0.01	941.81	ppb	60.01	66.67	1	
Sn	120	115	2	0.03	714.91	ppb	353.37	59.99	5	
Sb	121	115	2	0.25	34.28	ppb	213.36	30.14	0.2	6-CCB Main Failed
Ba	137	115	2	-0.01	-428.65	ppb	6.67	173.21	1	
W	182	165	2	0.03	136.81	ppb	1306.85	22.30	1	
Pt	195	165	2	0.00	363.59	ppb	66.67	34.65	1	
Tl	205	165	2	0.04	53.12	ppb	473.38	42.74	1	
Pb	208	165	2	0.02	39.46	ppb	1473.51	5.65	1	
Th	232	165	2	0.29	7.13	ppb	4434.41	7.42	1	
U	238	165	2	0.05	13.45	ppb	953.47	11.55	1	

QC ISTD Table

Element	m/z	Tune Step	CPS	%RSD	Ref CPS	%Rec	QC Low	QC High	QC Flag
Li6	6	1	1174467	0.23	616198	190.6	60	125	IS Main Failed
Sc (IS)	45	2	818598	0.80	503733	162.5	60	125	IS Main Failed
Ge (IS)	72	1	15829411	0.60	10290265	153.8	60	125	IS Main Failed
Ge (IS)	72	2	1129790	0.54	765773	147.5	60	125	IS Main Failed
115In	115	2	3645326	1.44	2616552	139.3	60	125	IS Main Failed
Ho-165	165	2	23040880	1.17	17809733	129.4	60	125	IS Main Failed

TuneStep	TuneFile
1	h2_hmi.u
2	he_hmi.u

Sample Report

Sample Name	rinse
Data File Name	262SMPL.D
DataPath	d:\DATA\050212.B
Acq Date Time	2012-05-03T00:36:35-06:00
Type	Sample
VialNumber	3
Dilution	1
Comment	
Operator	LMT
ISTDRefDataFileName	227CALB.D
SamplePassFail	Fail
ISTD PassFail	Pass

QC Analyte Table

Element	m/z	ISTD	Tune Step	Meas Value	FinalConc	%RSD	Units	CPS	CPS%RSD	High Value	QC Flag
Be	9	6	1	0.02	0.02	99.97	ppb	5.00	100.00	3600	
Na	23	45	2	197.75	197.75	5.40	ppb	41468.68	4.27	1800000	
Mg	24	45	2	9.49	9.49	32.61	ppb	813.42	27.64	450000	
Al	27	45	2	-0.76	-0.76	-173.81	ppb	20.00	100.00	450000	
K	39	45	2	1.40	1.40	171.73	ppb	1266.85	5.55	180000	
Ca	44	45	2	23.57	23.57	68.13	ppb	66.67	45.83	450000	
V	51	72	2	-0.13	-0.13	-101.35	ppb	-23.11	-522.61	3600	
Cr	52	72	2	0.02	0.02	228.85	ppb	100.01	52.91	3600	
Mn	55	72	2	0.23	0.23	22.60	ppb	153.35	15.06	3600	
Fe	57	72	2	-1.41	-1.41	-149.74	ppb	106.67	54.13	90000	
Co	59	72	2	0.01	0.01	86.63	ppb	26.67	86.60	3600	
Ni	60	72	2	-0.04	-0.04	-292.83	ppb	106.68	75.78	3600	
Cu	63	72	2	-0.05	-0.05	-143.51	ppb	1060.14	16.45	3600	
Zn	66	72	2	0.56	0.56	63.88	ppb	320.03	25.00	3600	
As	75	72	2	0.23	0.23	93.60	ppb	26.67	94.37	3600	
Se	78	72	1	0.03	0.03	85.54	ppb	16.00	75.00	3600	
Nb	93	72	2	0.35	0.35	20.85	ppb	1413.53	17.12	7200	
Mo	95	115	2	0.04	0.04	95.05	ppb	53.34	78.07	3600	
Pd	105	115	2	0.00	0.00	-274.47	ppb	20.00	100.00	3600	
Ag	107	115	2	0.01	0.01	87.19	ppb	140.01	42.86	900	
Cd	111	115	2	-0.06	-0.06	-166.71	ppb	26.67	173.21	3600	
Sn	120	115	2	-0.05	-0.05	-228.84	ppb	266.69	48.80	3600	
Sb	121	115	2	0.07	0.07	173.61	ppb	80.01	114.57	3600	
Ba	137	115	2	0.02	0.02	537.87	ppb	13.33	173.21	3600	
W	182	165	2	-0.03	-0.03	-110.99	ppb	906.77	22.09	3600	
Pt	195	165	2	0.00	0.00	-702.03	ppb	53.34	78.07	3600	
Tl	205	165	2	0.01	0.01	106.68	ppb	240.02	65.09	3600	
Pb	208	165	2	0.00	0.00	481.67	ppb	1273.48	11.36	3600	
Th	232	165	2	0.01	0.01	119.47	ppb	466.73	28.54	3600	
U	238	165	2	0.01	0.01	54.60	ppb	286.69	39.67	3600	

QC ISTD Table

Element	m/z	Tune Step	CPS	%RSD	Ref CPS	%Rec	Lower Limit	Upper Limit	QC Flag
Li6	6	1	1078011	0.89	616198	174.9	60	125	IS Main Failed
Sc (IS)	45	2	782106	1.70	503733	155.3	60	125	IS Main Failed
Ge (IS)	72	1	15328166	0.58	10290265	149.0	60	125	IS Main Failed
Ge (IS)	72	2	1104306	1.47	765773	144.2	60	125	IS Main Failed
115In	115	2	3594488	1.52	2616552	137.4	60	125	IS Main Failed
Ho-165	165	2	22728222	0.83	17809733	127.6	60	125	IS Main Failed

TuneStep	TuneFile	TuneDate
1	h2_hmi.u	5/3/2012 12:35:00 AM
2	he_hmi.u	5/3/2012 12:35:00 AM

Sample Report

Sample Name	rinse
Data File Name	263SMPL.D
DataPath	d:\DATA\050212.B
Acq Date Time	2012-05-03T00:39:33-06:00
Type	Sample
VialNumber	3
Dilution	1
Comment	
Operator	LMT
ISTDRefDataFileName	227CALB.D
SamplePassFail	Fail
ISTD PassFail	Pass

QC Analyte Table

Element	m/z	ISTD	Tune Step	Meas Value	FinalConc	%RSD	Units	CPS	CPS%RSD	High Value	QC Flag
Be	9	6	1	0.01	0.01	173.21	ppb	1.67	173.21	3600	
Na	23	45	2	149.40	149.40	2.39	ppb	31428.18	2.90	1800000	
Mg	24	45	2	6.41	6.41	46.76	ppb	560.06	37.29	450000	
Al	27	45	2	2.60	2.60	81.49	ppb	66.68	45.83	450000	
K	39	45	2	-0.91	-0.91	-238.35	ppb	1140.15	6.33	180000	
Ca	44	45	2	21.32	21.32	130.84	ppb	60.01	88.20	450000	
V	51	72	2	-0.04	-0.04	-234.05	ppb	55.97	153.41	3600	
Cr	52	72	2	0.02	0.02	179.92	ppb	106.67	54.13	3600	
Mn	55	72	2	0.25	0.25	122.28	ppb	153.35	83.86	3600	
Fe	57	72	2	-1.26	-1.26	-127.48	ppb	106.68	39.03	90000	
Co	59	72	2	0.01	0.01	126.02	ppb	33.34	124.90	3600	
Ni	60	72	2	0.05	0.05	317.53	ppb	173.35	76.83	3600	
Cu	63	72	2	0.04	0.04	230.22	ppb	1246.82	18.46	3600	
Zn	66	72	2	-0.42	-0.42	-33.13	ppb	93.34	32.74	3600	
As	75	72	2	0.30	0.30	68.35	ppb	33.33	69.28	3600	
Se	78	72	1	0.03	0.03	49.24	ppb	16.00	43.30	3600	
Nb	93	72	2	0.17	0.17	21.62	ppb	753.42	15.10	7200	
Mo	95	115	2	0.02	0.02	171.57	ppb	26.67	114.57	3600	
Pd	105	115	2	0.00	0.00	-298.55	ppb	20.00	100.00	3600	
Ag	107	115	2	-0.01	-0.01	-25.68	ppb	26.67	43.30	900	
Cd	111	115	2	-0.08	-0.08	-61.75	ppb	20.00	100.00	3600	
Sn	120	115	2	-0.05	-0.05	-148.69	ppb	253.36	31.91	3600	
Sb	121	115	2	0.05	0.05	157.51	ppb	60.01	88.19	3600	
Ba	137	115	2	-0.01	-0.01	-529.45	ppb	6.67	173.21	3600	
W	182	165	2	0.02	0.02	121.73	ppb	1206.83	15.04	3600	
Pt	195	165	2	0.00	0.00	-567.03	ppb	53.34	43.31	3600	
Tl	205	165	2	0.02	0.02	36.47	ppb	280.03	25.75	3600	
Pb	208	165	2	0.01	0.01	50.53	ppb	1313.50	3.52	3600	
Th	232	165	2	0.01	0.01	47.89	ppb	433.38	9.61	3600	
U	238	165	2	0.01	0.01	77.54	ppb	233.36	51.67	3600	

QC ISTD Table

Element	m/z	Tune Step	CPS	%RSD	Ref CPS	%Rec	Lower Limit	Upper Limit	QC Flag
Li6	6	1	1031287	1.02	616198	167.4	60	125	IS Main Failed
Sc (IS)	45	2	747901	1.04	503733	148.5	60	125	IS Main Failed
Ge (IS)	72	1	14680167	0.07	10290265	142.7	60	125	IS Main Failed
Ge (IS)	72	2	1067708	1.93	765773	139.4	60	125	IS Main Failed
115In	115	2	3480822	1.16	2616552	133.0	60	125	IS Main Failed
Ho-165	165	2	22069347	1.33	17809733	123.9	60	125	

TuneStep	TuneFile	TuneDate
1	h2_hmi.u	5/3/2012 12:38:00 AM
2	he_hmi.u	5/3/2012 12:38:00 AM

Sample Report

Sample Name	rinse
Data File Name	264SMPL.D
DataPath	d:\DATA\050212.B
Acq Date Time	2012-05-03T00:42:31-06:00
Type	Sample
VialNumber	3
Dilution	1
Comment	
Operator	LMT
ISTDRefDataFileName	227CALB.D
SamplePassFail	Fail
ISTD PassFail	Pass

QC Analyte Table

Element	m/z	ISTD	Tune Step	Meas Value	FinalConc	%RSD	Units	CPS	CPS %RSD	High Value	QC Flag
Be	9	6	1	0.01	0.01	173.21	ppb	1.67	173.21	3600	
Na	23	45	2	118.20	118.20	4.88	ppb	25979.86	3.81	1800000	
Mg	24	45	2	3.30	3.30	39.54	ppb	340.04	26.95	450000	
Al	27	45	2	-1.63	-1.63	-50.55	ppb	6.67	173.21	450000	
K	39	45	2	1.20	1.20	859.57	ppb	1200.15	26.82	180000	
Ca	44	45	2	7.30	7.30	224.88	ppb	33.34	91.66	450000	
V	51	72	2	-0.04	-0.04	-262.79	ppb	59.36	137.04	3600	
Cr	52	72	2	-0.01	-0.01	-163.37	ppb	66.67	17.32	3600	
Mn	55	72	2	0.31	0.31	74.53	ppb	180.01	55.56	3600	
Fe	57	72	2	-2.00	-2.00	-175.39	ppb	86.68	104.06	90000	
Co	59	72	2	0.00	0.00	86.60	ppb	13.33	86.60	3600	
Ni	60	72	2	0.01	0.01	378.92	ppb	140.01	28.57	3600	
Cu	63	72	2	-0.01	-0.01	-637.78	ppb	1106.79	18.98	3600	
Zn	66	72	2	-0.05	-0.05	-923.31	ppb	173.35	54.53	3600	
As	75	72	2	0.15	0.15	124.95	ppb	16.67	124.90	3600	
Se	78	72	1	0.04	0.04	51.76	ppb	21.33	47.19	3600	
Nb	93	72	2	0.09	0.09	58.60	ppb	466.71	38.89	7200	
Mo	95	115	2	0.03	0.03	169.10	ppb	33.34	124.90	3600	
Pd	105	115	2	0.01	0.01	296.84	ppb	40.00	100.00	3600	
Ag	107	115	2	-0.01	-0.01	-179.70	ppb	46.67	89.21	900	
Cd	111	115	2	0.02	0.02	270.82	ppb	60.01	33.34	3600	
Sn	120	115	2	-0.09	-0.09	-132.35	ppb	206.68	64.44	3600	
Sb	121	115	2	0.02	0.02	147.35	ppb	40.00	50.00	3600	
Ba	137	115	2	-0.01	-0.01	-564.06	ppb	6.67	173.21	3600	
W	182	165	2	-0.01	-0.01	-166.23	ppb	973.47	14.58	3600	
Pt	195	165	2	0.00	0.00	-93.22	ppb	33.34	69.29	3600	
Tl	205	165	2	0.02	0.02	53.65	ppb	273.36	36.10	3600	
Pb	208	165	2	-0.01	-0.01	-36.62	ppb	1026.78	6.26	3600	
Th	232	165	2	0.00	0.00	376.45	ppb	380.04	32.87	3600	
U	238	165	2	0.01	0.01	77.82	ppb	206.69	49.66	3600	

QC ISTD Table

Element	m/z	Tune Step	CPS	%RSD	Ref CPS	%Rec	Lower Limit	Upper Limit	QC Flag
Li6	6	1	993004	0.71	616198	161.2	60	125	IS Main Failed
Sc (IS)	45	2	744189	0.35	503733	147.7	60	125	IS Main Failed
Ge (IS)	72	1	14276094	0.09	10290265	138.7	60	125	IS Main Failed
Ge (IS)	72	2	1055923	0.16	765773	137.9	60	125	IS Main Failed
115In	115	2	3454410	0.72	2616552	132.0	60	125	IS Main Failed
Ho-165	165	2	22046426	0.65	17809733	123.8	60	125	

TuneStep	TuneFile	TuneDate
1	h2_hmi.u	5/3/2012 12:41:00 AM
2	he_hmi.u	5/3/2012 12:41:00 AM

Sample Report

Sample Name	rinse
Data File Name	265SMPL.D
DataPath	d:\DATA\050212.B
Acq Date Time	2012-05-03T00:45:32-06:00
Type	Sample
VialNumber	3
Dilution	1
Comment	
Operator	LMT
ISTDRefDataFileName	227CALB.D
SamplePassFail	Fail
ISTD PassFail	Pass

QC Analyte Table

Element	m/z	ISTD	Tune Step	Meas Value	FinalConc	%RSD	Units	CPS	CPS %RSD	High Value	QC Flag
Be	9	6	1	0.01	0.01	173.21	ppb	1.67	173.21	3600	
Na	23	45	2	100.96	100.96	2.22	ppb	22601.90	2.82	1800000	
Mg	24	45	2	3.39	3.39	29.56	ppb	340.04	21.21	450000	
Al	27	45	2	-1.62	-1.62	-51.23	ppb	6.67	173.21	450000	
K	39	45	2	-0.16	-0.16	-2035.13	ppb	1133.47	7.35	180000	
Ca	44	45	2	-3.14	-3.14	-410.89	ppb	13.33	173.21	450000	
V	51	72	2	-0.03	-0.03	-333.29	ppb	65.00	128.02	3600	
Cr	52	72	2	0.09	0.09	18.71	ppb	186.69	12.37	3600	
Mn	55	72	2	0.33	0.33	53.29	ppb	186.69	40.56	3600	
Fe	57	72	2	2.22	2.22	256.82	ppb	193.35	76.25	90000	
Co	59	72	2	0.01	0.01	99.19	ppb	20.00	100.00	3600	
Ni	60	72	2	-0.06	-0.06	-112.01	ppb	80.01	66.15	3600	
Cu	63	72	2	0.06	0.06	89.30	ppb	1266.82	10.15	3600	
Zn	66	72	2	0.24	0.24	78.64	ppb	233.36	17.84	3600	
As	75	72	2	0.31	0.31	34.69	ppb	33.33	34.64	3600	
Se	78	72	1	0.02	0.02	69.19	ppb	10.67	57.28	3600	
Nb	93	72	2	0.07	0.07	17.05	ppb	380.04	9.12	7200	
Mo	95	115	2	0.00	0.00	509.08	ppb	13.33	173.21	3600	
Pd	105	115	2	-0.01	-0.01	-173.19	ppb	13.33	173.21	3600	
Ag	107	115	2	0.00	0.00	822.16	ppb	80.01	100.00	900	
Cd	111	115	2	-0.07	-0.07	-110.44	ppb	20.00	173.21	3600	
Sn	120	115	2	-0.17	-0.17	-33.08	ppb	126.68	48.24	3600	
Sb	121	115	2	0.01	0.01	761.33	ppb	33.34	173.21	3600	
Ba	137	115	2	-0.01	-0.01	-567.28	ppb	6.67	173.21	3600	
W	182	165	2	0.01	0.01	26.91	ppb	1093.47	1.06	3600	
Pt	195	165	2	-0.01	-0.01	-93.90	ppb	20.00	173.21	3600	
Tl	205	165	2	0.01	0.01	70.89	ppb	186.68	37.63	3600	
Pb	208	165	2	-0.01	-0.01	-100.82	ppb	1093.45	8.64	3600	
Th	232	165	2	0.00	0.00	156.56	ppb	406.72	25.24	3600	
U	238	165	2	0.01	0.01	62.13	ppb	160.01	33.07	3600	

QC ISTD Table

Element	m/z	Tune Step	CPS	%RSD	Ref CPS	%Rec	Lower Limit	Upper Limit	QC Flag
Li6	6	1	957632	1.19	616198	155.4	60	125	IS Main Failed
Sc (IS)	45	2	729464	1.78	503733	144.8	60	125	IS Main Failed
Ge (IS)	72	1	13846074	0.49	10290265	134.6	60	125	IS Main Failed
Ge (IS)	72	2	1041381	1.22	765773	136.0	60	125	IS Main Failed
115In	115	2	3431109	1.50	2616552	131.1	60	125	IS Main Failed
Ho-165	165	2	21833325	1.02	17809733	122.6	60	125	

TuneStep	TuneFile	TuneDate
1	h2_hmi.u	5/3/2012 12:44:00 AM
2	he_hmi.u	5/3/2012 12:44:00 AM

Sample Report

Sample Name	rinse
Data File Name	266SMPL.D
DataPath	d:\DATA\050212.B
Acq Date Time	2012-05-03T00:48:31-06:00
Type	Sample
VialNumber	3
Dilution	1
Comment	
Operator	LMT
ISTDRefDataFileName	227CALB.D
SamplePassFail	Fail
ISTD PassFail	Pass

QC Analyte Table

Element	m/z	ISTD	Tune Step	Meas Value	FinalConc	%RSD	Units	CPS	CPS %RSD	High Value	QC Flag
Be	9	6	1	0.00	0.00	#DIV/0!	ppb	0.00	#DIV/0!	3600	
Na	23	45	2	87.13	87.13	4.33	ppb	20252.34	2.00	1800000	
Mg	24	45	2	2.56	2.56	71.49	ppb	280.03	43.45	450000	
Al	27	45	2	1.32	1.32	356.81	ppb	46.67	137.77	450000	
K	39	45	2	-3.03	-3.03	-173.03	ppb	1046.79	16.47	180000	
Ca	44	45	2	0.50	0.50	3870.71	ppb	20.00	173.21	450000	
V	51	72	2	-0.11	-0.11	-87.22	ppb	-10.05	-856.48	3600	
Cr	52	72	2	0.03	0.03	184.43	ppb	113.35	66.81	3600	
Mn	55	72	2	0.24	0.24	81.64	ppb	146.68	56.77	3600	
Fe	57	72	2	-0.07	-0.07	-2679.84	ppb	133.35	37.75	90000	
Co	59	72	2	0.01	0.01	114.47	ppb	26.67	114.57	3600	
Ni	60	72	2	0.04	0.04	115.53	ppb	153.35	19.93	3600	
Cu	63	72	2	0.03	0.03	372.24	ppb	1193.49	23.96	3600	
Zn	66	72	2	0.03	0.03	1322.58	ppb	186.68	48.31	3600	
As	75	72	2	0.12	0.12	114.52	ppb	13.33	114.56	3600	
Se	78	72	1	0.05	0.05	36.20	ppb	24.00	33.33	3600	
Nb	93	72	2	0.05	0.05	45.23	ppb	333.37	24.25	7200	
Mo	95	115	2	-0.01	-0.01	0.00	ppb	0.00	#DIV/0!	3600	
Pd	105	115	2	-0.01	-0.01	-89.14	ppb	13.33	86.60	3600	
Ag	107	115	2	-0.01	-0.01	-72.58	ppb	26.67	114.57	900	
Cd	111	115	2	-0.09	-0.09	-58.59	ppb	13.33	173.21	3600	
Sn	120	115	2	-0.13	-0.13	-9.61	ppb	173.35	6.66	3600	
Sb	121	115	2	-0.01	-0.01	-308.54	ppb	20.00	100.00	3600	
Ba	137	115	2	-0.03	-0.03	0.00	ppb	0.00	#DIV/0!	3600	
W	182	165	2	0.01	0.01	246.59	ppb	1086.80	8.70	3600	
Pt	195	165	2	0.01	0.01	114.82	ppb	93.34	44.61	3600	
Tl	205	165	2	0.01	0.01	29.62	ppb	160.02	12.50	3600	
Pb	208	165	2	0.00	0.00	-860.99	ppb	1173.47	15.84	3600	
Th	232	165	2	0.00	0.00	-171.62	ppb	280.03	37.80	3600	
U	238	165	2	0.00	0.00	28.00	ppb	153.35	15.06	3600	

QC ISTD Table

Element	m/z	Tune Step	CPS	%RSD	Ref CPS	%Rec	Lower Limit	Upper Limit	QC Flag
Li6	6	1	929219	1.73	616198	150.8	60	125	IS Main Failed
Sc (IS)	45	2	727940	1.81	503733	144.5	60	125	IS Main Failed
Ge (IS)	72	1	13755831	0.35	10290265	133.7	60	125	IS Main Failed
Ge (IS)	72	2	1034518	0.14	765773	135.1	60	125	IS Main Failed
115In	115	2	3441283	1.43	2616552	131.5	60	125	IS Main Failed
Ho-165	165	2	21838084	0.66	17809733	122.6	60	125	

TuneStep	TuneFile	TuneDate
1	h2_hmi.u	5/3/2012 12:47:00 AM
2	he_hmi.u	5/3/2012 12:47:00 AM

Calibration Blank Report

Sample Name	icis
Data File Name	267CALB.D
DataPath	d:\DATA\050212.B
Acq Date Time	2012-05-03T00:51:30-06:00
Type	CalBlk
VialNumber	2511
Dilution	1
Comment	
Operator	LMT

QC Analyte Table

Element	m/z	ISTD	Tune Step	CPS	%RSD
Be	9	6	1	0	#DIV/0!
Na	23	45	2	19932	6.86
Mg	24	45	2	180	0.00
Al	27	45	2	53	94.37
K	39	45	2	980	28.28
Ca	44	45	2	33	91.66
Cr	52	72	2	80	75.00
Mn	55	72	2	73	31.49
Fe	57	72	2	187	44.61
Co	59	72	2	13	173.21
Ni	60	72	2	107	57.28
Cu	63	72	2	1207	13.90
Zn	66	72	2	193	74.84
As	75	72	2	13	114.56
Se	78	72	1	9	24.74
Nb	93	72	2	320	40.99
Mo	95	115	2	20	100.00
Pd	105	115	2	40	50.01
Ag	107	115	2	60	66.67
Cd	111	115	2	60	88.20
Sn	120	115	2	240	25.01
Sb	121	115	2	33	124.90
Ba	137	115	2	13	86.60
W	182	165	2	1073	12.12
Pt	195	165	2	40	50.01
Tl	205	165	2	127	48.24
Pb	208	165	2	913	27.38
Th	232	165	2	533	5.73
U	238	165	2	107	127.63

QC ISTD Table

Element	m/z	Tune Step	CPS	%RSD
Li6	6	1	919037	0.72
Sc (IS)	45	2	711810	0.24
Ge (IS)	72	1	13273700	0.16
Ge (IS)	72	2	1015334	1.07
115In	115	2	3384210	1.30
Ho-165	165	2	21532999	0.41

TuneStep	TuneFile	TuneDate
1	h2_hmi.u	5/3/2012 12:50:00 AM
2	he_hmi.u	5/3/2012 12:50:00 AM

Calibration Standard Report

Sample Name	ic
Data File Name	268CALS.D
DataPath	d:\DATA\050212.B
Acq Date Time	2012-05-03T00:54:31-06:00
Type	CalStd
VialNumber	2512
Dilution	1
Comment	
Operator	LMT
ISTDRefDataFileName	267CALB.D
ISTD PassFail	Pass

QC Analyte Table

Element	m/z	ISTD	Tune Step	CPS	%RSD
Be	9	6	1	25571	2.56
Na	23	45	2	1652367	2.30
Mg	24	45	2	665534	3.18
Al	27	45	2	132544	4.83
K	39	45	2	307468	2.08
Ca	44	45	2	17630	2.76
V	51	72	2	81487	3.68
Cr	52	72	2	118574	4.78
Mn	55	72	2	44444	5.50
Fe	57	72	2	251672	4.23
Co	59	72	2	255705	3.18
Ni	60	72	2	73680	1.90
Cu	63	72	2	216753	3.13
Zn	66	72	2	20934	2.60
As	75	72	2	10674	3.69
Se	78	72	1	41815	2.71
Nb	93	72	2	631132	3.53
Mo	95	115	2	91320	4.43
Pd	105	115	2	179919	2.47
Ag	107	115	2	412852	3.11
Cd	111	115	2	42434	1.63
(Cd)	114	115	2	110459	2.44
Sn	120	115	2	100340	1.69
Sb	121	115	2	63018	1.65
Ba	137	115	2	23772	2.08
W	182	165	2	576754	2.74
Pt	195	165	2	495203	3.51
Tl	205	165	2	976246	2.44
Pb	208	165	2	1214692	2.84
Th	232	165	2	1220163	3.29
U	238	165	2	1481901	3.03

QC ISTD Table

Element	m/z	Tune Step	CPS	%RSD	Reference CPS	%Recovery	Lower Limit	Upper Limit	QC Flag
Li6	6	1	887632	2.77	919037	96.6	60	125	
Sc (IS)	45	2	728516	3.04	711810	102.3	60	125	
Ge (IS)	72	1	12870028	2.41	13273700	97.0	60	125	
Ge (IS)	72	2	1018710	2.48	1015334	100.3	60	125	
115In	115	2	3461466	1.91	3384210	102.3	60	125	
Ho-165	165	2	22390614	2.66	21532999	104.0	60	125	

TuneStep	TuneFile	TuneDate
1	h2_hmi.u	5/3/2012 12:53:00 AM
2	he_hmi.u	5/3/2012 12:53:00 AM

Continuing Calibration Verification (CCV) - US EPA Method 6020

Sample Name	ccv-1394868
Data File Name	2696CCV.D
DataPath	d:\DATA\050212.B
Acq Date Time	2012-05-03T00:57:28-06:00
Type	6-CCV
VialNumber	1106
Dilution	1
Comment	
Operator	LMT
ISTDRefDataFileName	267CALB.D
SamplePassFail	Pass
ISTD PassFail	Pass

QC Analyte Table

Element	m/z	ISTD	Tune Step	Meas Value	%RSD	Units	CPS	CPS%RSD	Exp Value	%Rec	QC Low	QC High	QC Flag
Be	9	6	1	49.04	4.56	ppb	12789.46	3.54	50	98.1	90	110	
Na	23	45	2	5195.86	0.88	ppb	836537.43	0.90	5000	103.9	90	110	
Mg	24	45	2	5290.27	1.51	ppb	339333.84	0.80	5000	105.8	90	110	
Al	27	45	2	5494.48	0.79	ppb	70188.15	1.33	5000	109.9	90	110	
K	39	45	2	5098.62	2.03	ppb	151490.24	2.74	5000	102.0	90	110	
Ca	44	45	2	5337.60	7.88	ppb	9069.64	7.16	5000	106.8	90	110	
V	51	72	2	52.87	5.76	ppb	42219.41	5.44	50	105.7	90	110	
Cr	52	72	2	54.09	2.66	ppb	62925.07	2.32	50	108.2	90	110	
Mn	55	72	2	49.67	4.41	ppb	21688.01	4.67	50	99.3	90	110	
Fe	57	72	2	5151.71	0.23	ppb	127246.42	0.43	5000	103.0	90	110	
Co	59	72	2	51.67	1.50	ppb	129554.68	1.42	50	103.3	90	110	
Ni	60	72	2	53.11	4.56	ppb	38410.77	4.20	50	106.2	90	110	
Cu	63	72	2	51.79	4.53	ppb	110662.84	4.74	50	103.6	90	110	
Zn	66	72	2	49.88	7.78	ppb	10330.52	7.33	50	99.8	90	110	
As	75	72	2	52.49	4.03	ppb	5497.72	4.36	50	105.0	90	110	
Se	78	72	1	50.70	2.63	ppb	21410.30	3.36	50	101.4	90	110	
Nb	93	72	2	104.03	0.44	ppb	322081.96	0.19	100	104.0	90	110	
Mo	95	115	2	52.21	0.38	ppb	45835.93	1.76	50	104.4	90	110	
Pd	105	115	2	54.21	0.51	ppb	93741.68	1.39	50	108.4	90	110	
Ag	107	115	2	53.76	1.04	ppb	213300.03	0.47	50	107.5	90	110	
Cd	111	115	2	52.61	3.10	ppb	21475.06	3.24	50	105.2	90	110	
Sn	120	115	2	52.60	3.74	ppb	50797.94	2.28	50	105.2	90	110	
Sb	121	115	2	52.90	3.94	ppb	32025.78	2.87	50	105.8	90	110	
Ba	137	115	2	54.74	1.23	ppb	12505.65	1.37	50	109.5	90	110	
W	182	165	2	53.27	0.96	ppb	294944.13	1.01	50	106.5	90	110	
Pt	195	165	2	53.76	0.74	ppb	255201.51	0.53	50	107.5	90	110	
Tl	205	165	2	52.05	1.80	ppb	487002.52	1.39	50	104.1	90	110	
Pb	208	165	2	53.37	1.47	ppb	621766.74	1.31	50	106.7	90	110	
Th	232	165	2	52.90	0.11	ppb	618895.16	0.52	50	105.8	90	110	
U	238	165	2	53.63	0.96	ppb	761786.11	0.58	50	107.3	90	110	

QC ISTD Table

Element	m/z	Tune Step	CPS	%RSD	Ref CPS	%Rec	QC Low	QC High	QC Flag
Li6	6	1	904830	1.06	919037	98.5	60	125	
Sc (IS)	45	2	701127	0.72	711810	98.5	60	125	
Ge (IS)	72	1	12984213	1.17	13273700	97.8	60	125	
Ge (IS)	72	2	998022	0.35	1015334	98.3	60	125	
115In	115	2	3324308	1.43	3384210	98.2	60	125	
Ho-165	165	2	21439911	0.42	21532999	99.6	60	125	

TuneStep	TuneFile
1	h2_hmi.u
2	he_hmi.u

Continuing Calibration Blank (CCB) - US EPA Method 6020

Sample Name	ccb-1394903
Data File Name	2706CCB.D
DataPath	d:\DATA\050212.B
Acq Date Time	2012-05-03T01:00:27-06:00
Type	6-CCB
VialNumber	1306
Dilution	1
Comment	
Operator	LMT
ISTDRefDataFileName	267CALB.D
SamplePassFail	Pass
ISTD PassFail	Pass

QC Analyte Table

Element	m/z	ISTD	Tune Step	Meas Value	%RSD	Units	CPS	CPS %RSD	QC High	QC Flag
Be	9	6	1	0.04	99.67	ppb	10.00	100.00	1	
Na	23	45	2	-2.55	-613.45	ppb	18964.54	7.78	20	
Mg	24	45	2	4.33	29.09	ppb	453.38	22.64	20	
Al	27	45	2	1.38	498.15	ppb	66.67	121.25	20	
K	39	45	2	2.46	186.70	ppb	1026.79	12.97	20	
Ca	44	45	2	4.39	465.94	ppb	40.00	86.61	20	
V	51	72	2	0.20	33.45	ppb	110.62	45.15	1	
Cr	52	72	2	0.07	28.02	ppb	160.01	12.50	1	
Mn	55	72	2	0.01	2065.04	ppb	73.34	68.64	1	
Fe	57	72	2	3.13	47.94	ppb	260.03	13.32	20	
Co	59	72	2	0.03	45.22	ppb	86.68	35.25	1	
Ni	60	72	2	0.10	189.31	ppb	173.35	74.18	1	
Cu	63	72	2	0.04	442.44	ppb	1266.84	30.22	1	
Zn	66	72	2	-0.18	-207.73	ppb	153.35	52.72	5	
As	75	72	2	0.01	3034.43	ppb	13.33	114.56	5	
Se	78	72	1	0.08	25.79	ppb	41.33	20.15	5	
Nb	93	72	2	1.31	19.03	ppb	4354.37	17.13	5	
Mo	95	115	2	0.12	65.35	ppb	120.01	50.00	1	
Pd	105	115	2	0.08	24.68	ppb	180.01	22.22	1	
Ag	107	115	2	0.02	80.88	ppb	126.68	45.58	1	
Cd	111	115	2	0.05	165.27	ppb	80.01	43.30	1	
Sn	120	115	2	0.25	76.98	ppb	473.39	38.34	5	
Sb	121	115	2	0.20	28.92	ppb	153.35	19.93	0.2	
Ba	137	115	2	-0.06	0.00	ppb	0.00	#DIV/0!	1	
W	182	165	2	0.12	14.93	ppb	1746.93	5.16	1	
Pt	195	165	2	0.03	90.99	ppb	173.35	70.50	1	
Tl	205	165	2	0.04	13.87	ppb	486.71	9.49	1	
Pb	208	165	2	0.06	9.20	ppb	1566.85	3.90	1	
Th	232	165	2	0.27	12.84	ppb	3627.43	7.84	1	
U	238	165	2	0.05	4.01	ppb	846.79	5.46	1	

QC ISTD Table

Element	m/z	Tune Step	CPS	%RSD	Ref CPS	%Rec	QC Low	QC High	QC Flag
Li6	6	1	923228	0.49	919037	100.5	60	125	
Sc (IS)	45	2	694593	5.44	711810	97.6	60	125	
Ge (IS)	72	1	12950235	1.01	13273700	97.6	60	125	
Ge (IS)	72	2	994610	3.47	1015334	98.0	60	125	
115In	115	2	3341311	5.94	3384210	98.7	60	125	
Ho-165	165	2	21436713	5.77	21532999	99.6	60	125	

TuneStep	TuneFile
1	h2_hmi.u
2	he_hmi.u

Sample Report

Sample Name	280-28063-B-14-B@5
Data File Name	271SMPL.D
DataPath	d:\DATA\050212.B
Acq Date Time	2012-05-03T01:03:25-06:00
Type	Sample
VialNumber	2204
Dilution	1
Comment	116805 6020
Operator	LMT
ISTDRefDataFileName	267CALB.D
SamplePassFail	Pass
ISTD PassFail	Pass

QC Analyte Table

Element	m/z	ISTD	Tune Step	Meas Value	FinalConc	%RSD	Units	CPS	CPS %RSD	High Value	QC Flag
Be	9	6	1	0.01	0.01	86.60	ppb	3.33	86.60	3600	
Na	23	45	2	-2.67	-2.67	-123.36	ppb	18163.31	2.69	1800000	
Mg	24	45	2	1.85	1.85	16.55	ppb	280.02	7.14	450000	
Al	27	45	2	-2.48	-2.48	-115.23	ppb	20.00	173.21	450000	
K	39	45	2	2.42	2.42	228.84	ppb	980.12	15.94	180000	
Ca	44	45	2	-15.23	-15.23	-47.49	ppb	6.67	173.21	450000	
V	51	72	2	0.06	0.06	110.82	ppb	-0.62	-7896.48	3600	
Cr	52	72	2	0.02	0.02	283.61	ppb	100.01	72.11	3600	
Mn	55	72	2	-0.05	-0.05	-231.63	ppb	46.67	107.86	3600	
Fe	57	72	2	-4.06	-4.06	-42.03	ppb	80.01	50.00	90000	
Co	59	72	2	-0.01	-0.01	0.00	ppb	0.00	#DIV/0!	3600	
Ni	60	72	2	0.03	0.03	258.65	ppb	120.01	44.10	3600	
Cu	63	72	2	-0.06	-0.06	-89.12	ppb	1000.13	11.14	3600	
Zn	66	72	2	-0.31	-0.31	-144.39	ppb	120.01	72.65	3600	
As	75	72	2	-0.02	-0.02	-409.90	ppb	10.00	100.00	3600	
Se	78	72	1	0.02	0.02	142.74	ppb	16.00	66.14	3600	
Nb	93	72	2	0.59	0.59	12.30	ppb	2040.30	10.38	7200	
Mo	95	115	2	0.00	0.00	2843.00	ppb	20.00	100.00	3600	
Pd	105	115	2	0.01	0.01	78.48	ppb	53.34	21.66	3600	
Ag	107	115	2	-0.01	-0.01	-54.17	ppb	20.00	100.00	900	
Cd	111	115	2	-0.13	-0.13	-22.77	ppb	6.67	173.21	3600	
Sn	120	115	2	0.11	0.11	57.57	ppb	333.37	17.32	3600	
Sb	121	115	2	0.08	0.08	71.82	ppb	80.01	43.30	3600	
Ba	137	115	2	-0.03	-0.03	-184.73	ppb	6.67	173.21	3600	
W	182	165	2	0.02	0.02	327.68	ppb	1140.15	27.01	3600	
Pt	195	165	2	0.01	0.01	139.19	ppb	93.35	81.13	3600	
Tl	205	165	2	0.01	0.01	10.95	ppb	226.69	5.09	3600	
Pb	208	165	2	0.02	0.02	50.26	ppb	1093.46	9.21	3600	
Th	232	165	2	0.20	0.20	33.25	ppb	2753.82	26.88	3600	
U	238	165	2	0.00	0.00	134.61	ppb	146.68	39.36	3600	

QC ISTD Table

Element	m/z	Tune Step	CPS	%RSD	Ref CPS	%Rec	Lower Limit	Upper Limit	QC Flag
Li6	6	1	866283	3.12	919037	94.3	60	125	
Sc (IS)	45	2	662857	0.56	711810	93.1	60	125	
Ge (IS)	72	1	12368798	1.45	13273700	93.2	60	125	
Ge (IS)	72	2	950957	0.40	1015334	93.7	60	125	
115In	115	2	3245402	0.55	3384210	95.9	60	125	
Ho-165	165	2	20988919	0.14	21532999	97.5	60	125	

TuneStep	TuneFile	TuneDate
1	h2_hmi.u	5/3/2012 1:02:00 AM
2	he_hmi.u	5/3/2012 1:02:00 AM

Sample Report

Sample Name	280-28063-E-16-B@5
Data File Name	272SMPL.D
DataPath	d:\DATA\050212.B
Acq Date Time	2012-05-03T01:06:23-06:00
Type	Sample
VialNumber	2206
Dilution	1
Comment	116805 6020
Operator	LMT
ISTDRefDataFileName	267CALB.D
SamplePassFail	Fail
ISTD PassFail	Pass

QC Analyte Table

Element	m/z	ISTD	Tune Step	Meas Value	FinalConc	%RSD	Units	CPS	CPS%RSD	High Value	QC Flag
Be	9	6	1	0.00	0.00	#DIV/0!	ppb	0.00	#DIV/0!	3600	
Na	23	45	2	4773388.26	4773388.26	0.62	ppb	611195670.89	2.60	1800000	Sample Main Failed
Mg	24	45	2	70377.78	70377.78	0.35	ppb	3675059.95	3.00	450000	
Al	27	45	2	125.72	125.72	12.81	ppb	1353.51	15.66	450000	
K	39	45	2	8969.74	8969.74	0.93	ppb	216404.63	2.28	180000	
Ca	44	45	2	299191.37	299191.37	0.63	ppb	412742.89	3.20	450000	
V	51	72	2	0.90	0.90	72.01	ppb	418.26	77.30	3600	
Cr	52	72	2	0.30	0.30	58.31	ppb	260.02	46.79	3600	
Mn	55	72	2	42.62	42.62	5.29	ppb	11424.54	2.90	3600	
Fe	57	72	2	162.45	162.45	24.28	ppb	2560.42	20.31	90000	
Co	59	72	2	0.07	0.07	83.65	ppb	113.34	79.58	3600	
Ni	60	72	2	0.71	0.71	30.94	ppb	380.04	29.30	3600	
Cu	63	72	2	0.12	0.12	53.37	ppb	880.12	6.01	3600	
Zn	66	72	2	17.13	17.13	8.15	ppb	2260.34	11.09	3600	
As	75	72	2	2.01	2.01	19.68	ppb	136.67	15.23	3600	
Se	78	72	1	0.59	0.59	20.09	ppb	108.00	19.25	3600	
Nb	93	72	2	0.33	0.33	54.35	ppb	820.10	40.30	7200	
Mo	95	115	2	31.74	31.74	2.24	ppb	17016.12	4.30	3600	
Pd	105	115	2	0.06	0.06	15.86	ppb	86.68	13.32	3600	
Ag	107	115	2	0.01	0.01	143.45	ppb	60.01	57.74	900	
Cd	111	115	2	0.01	0.01	1069.61	ppb	40.00	100.00	3600	
Sn	120	115	2	0.15	0.15	84.93	ppb	233.35	32.45	3600	
Sb	121	115	2	0.15	0.15	93.92	ppb	73.34	68.64	3600	
Ba	137	115	2	5.97	5.97	12.37	ppb	840.10	13.26	3600	
W	182	165	2	-0.02	-0.02	-221.16	ppb	553.39	25.64	3600	
Pt	195	165	2	0.01	0.01	191.16	ppb	53.34	108.26	3600	
Tl	205	165	2	0.02	0.02	74.60	ppb	166.68	42.14	3600	
Pb	208	165	2	0.35	0.35	11.84	ppb	2873.71	9.08	3600	
Th	232	165	2	0.21	0.21	15.43	ppb	1706.93	13.68	3600	
U	238	165	2	0.98	0.98	5.88	ppb	8162.92	5.52	3600	

QC ISTD Table

Element	m/z	Tune Step	CPS	%RSD	Ref CPS	%Rec	Lower Limit	Upper Limit	QC Flag
Li6	6	1	493046	0.77	919037	53.6	60	125	IS Main Failed
Sc (IS)	45	2	571051	3.21	711810	80.2	60	125	
Ge (IS)	72	1	5433783	0.17	13273700	40.9	60	125	IS Main Failed
Ge (IS)	72	2	613044	3.57	1015334	60.4	60	125	
115In	115	2	2028902	2.06	3384210	60.0	60	125	IS Main Failed
Ho-165	165	2	12461121	1.14	21532999	57.9	60	125	IS Main Failed

TuneStep	TuneFile	TuneDate
1	h2_hmi.u	5/3/2012 1:05:00 AM
2	he_hmi.u	5/3/2012 1:05:00 AM

Continuing Calibration Verification (CCV) - US EPA Method 6020

Sample Name	ccv-1394868
Data File Name	2736CCV.D
DataPath	d:\DATA\050212.B
Acq Date Time	2012-05-03T01:09:24-06:00
Type	6-CCV
VialNumber	1105
Dilution	1
Comment	
Operator	LMT
ISTDRefDataFileName	267CALB.D
SamplePassFail	Fail
ISTD PassFail	Pass

QC Analyte Table

Element	m/z	ISTD	Tune Step	Meas Value	%RSD	Units	CPS	CPS%RSD	Exp Value	%Rec	QC Low	QC High	QC Flag
Be	9	6	1	52.99	2.69	ppb	16045.33	2.15	50	106.0	90	110	
Na	23	45	2	6991.78	1.09	ppb	1229162.64	0.06	5000	139.8	90	110	6-CCV Main Failed
Mg	24	45	2	5544.29	1.00	ppb	390741.40	1.98	5000	110.9	90	110	6-CCV Main Failed
Al	27	45	2	5499.55	2.13	ppb	77189.51	3.09	5000	110.0	90	110	
K	39	45	2	5301.37	2.12	ppb	173005.70	2.91	5000	106.0	90	110	
Ca	44	45	2	5562.56	5.38	ppb	10383.88	4.73	5000	111.3	90	110	6-CCV Main Failed
V	51	72	2	57.67	8.60	ppb	49657.11	9.21	50	115.3	90	110	6-CCV Main Failed
Cr	52	72	2	56.91	2.60	ppb	71361.97	3.23	50	113.8	90	110	6-CCV Main Failed
Mn	55	72	2	54.68	6.26	ppb	25726.60	6.69	50	109.4	90	110	
Fe	57	72	2	5547.27	1.68	ppb	147656.67	2.30	5000	110.9	90	110	6-CCV Main Failed
Co	59	72	2	55.33	1.17	ppb	149525.07	0.57	50	110.7	90	110	6-CCV Main Failed
Ni	60	72	2	54.79	1.60	ppb	42699.57	1.11	50	109.6	90	110	
Cu	63	72	2	55.39	0.97	ppb	127442.04	0.33	50	110.8	90	110	6-CCV Main Failed
Zn	66	72	2	54.01	4.87	ppb	12038.48	4.15	50	108.0	90	110	
As	75	72	2	52.54	10.74	ppb	5927.90	10.24	50	105.1	90	110	
Se	78	72	1	54.25	2.85	ppb	25928.17	3.90	50	108.5	90	110	
Nb	93	72	2	105.39	0.98	ppb	351617.78	0.82	100	105.4	90	110	
Mo	95	115	2	57.75	4.76	ppb	52361.40	4.35	50	115.5	90	110	6-CCV Main Failed
Pd	105	115	2	56.47	4.36	ppb	100832.57	2.20	50	112.9	90	110	6-CCV Main Failed
Ag	107	115	2	56.63	2.62	ppb	232076.45	1.06	50	113.3	90	110	6-CCV Main Failed
Cd	111	115	2	55.34	1.75	ppb	23330.79	1.29	50	110.7	90	110	6-CCV Main Failed
Sn	120	115	2	55.34	4.33	ppb	55191.59	2.27	50	110.7	90	110	6-CCV Main Failed
Sb	121	115	2	54.13	4.38	ppb	33849.17	2.47	50	108.3	90	110	
Ba	137	115	2	53.74	7.58	ppb	12672.66	5.95	50	107.5	90	110	
W	182	165	2	56.41	1.22	ppb	319675.42	0.97	50	112.8	90	110	6-CCV Main Failed
Pt	195	165	2	57.05	2.06	ppb	277177.15	1.84	50	114.1	90	110	6-CCV Main Failed
Tl	205	165	2	53.32	1.57	ppb	510673.29	0.94	50	106.6	90	110	
Pb	208	165	2	54.07	1.05	ppb	644706.59	0.73	50	108.1	90	110	
Th	232	165	2	52.94	0.75	ppb	634032.02	0.22	50	105.9	90	110	
U	238	165	2	53.85	1.43	ppb	782865.14	0.58	50	107.7	90	110	

QC ISTD Table

Element	m/z	Tune Step	CPS	%RSD	Ref CPS	%Rec	QC Low	QC High	QC Flag
Li6	6	1	1050340	1.22	919037	114.3	60	125	
Sc (IS)	45	2	770268	1.03	711810	108.2	60	125	
Ge (IS)	72	1	14694633	1.70	13273700	110.7	60	125	
Ge (IS)	72	2	1075559	0.64	1015334	105.9	60	125	
115In	115	2	3434776	2.25	3384210	101.5	60	125	
Ho-165	165	2	21945757	0.87	21532999	101.9	60	125	

TuneStep	TuneFile
1	h2_hmi.u
2	he_hmi.u

Continuing Calibration Blank (CCB) - US EPA Method 6020

Sample Name	ccb-1394903
Data File Name	2746CCB.D
DataPath	d:\DATA\050212.B
Acq Date Time	2012-05-03T01:12:23-06:00
Type	6-CCB
VialNumber	1305
Dilution	1
Comment	
Operator	LMT
ISTDRefDataFileName	267CALB.D
SamplePassFail	Fail
ISTD PassFail	Pass

QC Analyte Table

Element	m/z	ISTD	Tune Step	Meas Value	%RSD	Units	CPS	CPS %RSD	QC High	QC Flag
Be	9	6	1	0.04	24.21	ppb	11.67	24.74	1	
Na	23	45	2	596.05	3.63	ppb	131486.17	2.60	20	6-CCB Main Failed
Mg	24	45	2	6.99	40.94	ppb	726.74	30.32	20	
Al	27	45	2	-3.23	-47.65	ppb	13.33	173.21	20	
K	39	45	2	3.53	190.75	ppb	1240.16	18.32	20	
Ca	44	45	2	38.51	150.98	ppb	113.35	100.35	20	6-CCB Main Failed
V	51	72	2	0.02	459.39	ppb	-34.36	-259.48	1	
Cr	52	72	2	-0.01	-566.57	ppb	80.01	66.15	1	
Mn	55	72	2	-0.06	-161.74	ppb	53.34	86.60	1	
Fe	57	72	2	2.73	211.33	ppb	286.69	56.39	20	
Co	59	72	2	0.02	134.19	ppb	60.01	100.00	1	
Ni	60	72	2	0.05	128.05	ppb	160.02	33.07	1	
Cu	63	72	2	0.06	154.41	ppb	1506.86	14.68	1	
Zn	66	72	2	0.34	196.82	ppb	293.36	51.63	5	
As	75	72	2	0.24	41.09	ppb	43.33	26.65	5	
Se	78	72	1	0.05	40.08	ppb	38.67	29.86	5	
Nb	93	72	2	1.14	8.74	ppb	4374.25	8.99	5	
Mo	95	115	2	0.07	156.75	ppb	86.68	118.42	1	
Pd	105	115	2	0.09	30.82	ppb	213.36	23.60	1	
Ag	107	115	2	0.02	102.81	ppb	133.34	52.68	1	
Cd	111	115	2	-0.07	-74.55	ppb	33.33	69.28	1	
Sn	120	115	2	0.07	130.70	ppb	333.37	29.60	5	
Sb	121	115	2	0.09	17.92	ppb	93.34	12.37	0.2	
Ba	137	115	2	0.02	349.70	ppb	20.00	100.00	1	
W	182	165	2	0.03	146.05	ppb	1320.20	20.38	1	
Pt	195	165	2	0.03	39.62	ppb	180.02	29.40	1	
Tl	205	165	2	0.03	47.08	ppb	440.05	32.78	1	
Pb	208	165	2	0.04	42.75	ppb	1513.50	15.88	1	
Th	232	165	2	0.27	18.12	ppb	3887.56	16.24	1	
U	238	165	2	0.03	49.33	ppb	513.39	37.84	1	

QC ISTD Table

Element	m/z	Tune Step	CPS	%RSD	Ref CPS	%Rec	QC Low	QC High	QC Flag
Li6	6	1	1149255	0.49	919037	125.0	60	125	IS Main Failed
Sc (IS)	45	2	813436	1.09	711810	114.3	60	125	
Ge (IS)	72	1	16063996	1.39	13273700	121.0	60	125	
Ge (IS)	72	2	1140401	1.06	1015334	112.3	60	125	
115In	115	2	3625100	1.38	3384210	107.1	60	125	
Ho-165	165	2	22848194	0.86	21532999	106.1	60	125	

TuneStep	TuneFile
1	h2_hmi.u
2	he_hmi.u

Sample Report

Sample Name	280-28286-B-6-B@10
Data File Name	275SMPL.D
DataPath	d:\DATA\050212.B
Acq Date Time	2012-05-03T01:15:20-06:00
Type	Sample
VialNumber	2503
Dilution	1
Comment	117485 6020
Operator	LMT
ISTDRefDataFileName	267CALB.D
SamplePassFail	Pass
ISTD PassFail	Pass

QC Analyte Table

Element	m/z	ISTD	Tune Step	Meas Value	FinalConc	%RSD	Units	CPS	CPS %RSD	High Value	QC Flag
Be	9	6	1	0.01	0.01	86.62	ppb	3.33	86.60	3600	
Na	23	45	2	1521818.04	1521818.04	0.32	ppb	265427736.05	1.13	1800000	
Mg	24	45	2	75888.43	75888.43	1.51	ppb	5397610.75	2.34	450000	
Al	27	45	2	205.81	205.81	10.80	ppb	2973.87	11.34	450000	
K	39	45	2	4617.70	4617.70	1.76	ppb	152285.13	2.45	180000	
Ca	44	45	2	230840.25	230840.25	1.03	ppb	433726.32	1.69	450000	
V	51	72	2	0.32	0.32	106.11	ppb	189.19	130.35	3600	
Cr	52	72	2	0.55	0.55	23.09	ppb	660.07	21.00	3600	
Mn	55	72	2	210.28	210.28	0.51	ppb	83929.79	0.14	3600	
Fe	57	72	2	381.17	381.17	9.46	ppb	8782.94	9.00	90000	
Co	59	72	2	0.84	0.84	1.97	ppb	1946.94	2.14	3600	
Ni	60	72	2	1.91	1.91	26.98	ppb	1360.17	25.47	3600	
Cu	63	72	2	0.78	0.78	17.49	ppb	2587.13	9.79	3600	
Zn	66	72	2	2.29	2.29	7.23	ppb	600.07	5.77	3600	
As	75	72	2	0.12	0.12	221.84	ppb	23.33	107.85	3600	
Se	78	72	1	0.24	0.24	40.39	ppb	85.33	35.18	3600	
Nb	93	72	2	0.44	0.44	37.20	ppb	1540.21	30.92	7200	
Mo	95	115	2	0.11	0.11	12.09	ppb	106.68	10.82	3600	
Pd	105	115	2	0.15	0.15	12.84	ppb	266.70	11.46	3600	
Ag	107	115	2	0.00	0.00	-844.15	ppb	46.67	89.22	900	
Cd	111	115	2	-0.02	-0.02	-875.42	ppb	46.67	107.86	3600	
Sn	120	115	2	0.11	0.11	91.15	ppb	306.69	29.41	3600	
Sb	121	115	2	0.20	0.20	87.47	ppb	133.35	67.64	3600	
Ba	137	115	2	56.15	56.15	12.50	ppb	11364.83	12.22	3600	
W	182	165	2	0.08	0.08	59.22	ppb	1286.83	18.41	3600	
Pt	195	165	2	0.02	0.02	14.52	ppb	113.35	10.18	3600	
Tl	205	165	2	0.05	0.05	16.45	ppb	480.05	12.50	3600	
Pb	208	165	2	0.56	0.56	6.13	ppb	6294.41	6.02	3600	
Th	232	165	2	0.15	0.15	35.15	ppb	1920.30	27.38	3600	
U	238	165	2	0.34	0.34	5.53	ppb	4214.28	5.70	3600	

QC ISTD Table

Element	m/z	Tune Step	CPS	%RSD	Ref CPS	%Rec	Lower Limit	Upper Limit	QC Flag
Li6	6	1	884254	1.14	919037	96.2	60	125	
Sc (IS)	45	2	777708	0.83	711810	109.3	60	125	
Ge (IS)	72	1	10226721	2.24	13273700	77.0	60	125	
Ge (IS)	72	2	914629	0.66	1015334	90.1	60	125	
115In	115	2	2946254	1.46	3384210	87.1	60	125	
Ho-165	165	2	18053707	0.71	21532999	83.8	60	125	

TuneStep	TuneFile	TuneDate
1	h2_hmi.u	5/3/2012 1:14:00 AM
2	he_hmi.u	5/3/2012 1:14:00 AM

Continuing Calibration Verification (CCV) - US EPA Method 6020

Sample Name	ccv-1394868
Data File Name	2766CCV.D
DataPath	d:\DATA\050212.B
Acq Date Time	2012-05-03T01:18:18-06:00
Type	6-CCV
VialNumber	1105
Dilution	1
Comment	
Operator	LMT
ISTDRefDataFileName	267CALB.D
SamplePassFail	Fail
ISTD PassFail	Pass

QC Analyte Table

Element	m/z	ISTD	Tune Step	Meas Value	%RSD	Units	CPS	CPS%RSD	Exp Value	%Rec	QC Low	QC High	QC Flag
Be	9	6	1	49.55	2.58	ppb	17296.43	2.04	50	99.1	90	110	
Na	23	45	2	6140.22	1.03	ppb	1208733.78	1.13	5000	122.8	90	110	6-CCV Main Failed
Mg	24	45	2	5476.11	1.53	ppb	431022.23	0.76	5000	109.5	90	110	
Al	27	45	2	5515.39	3.53	ppb	86436.52	2.52	5000	110.3	90	110	6-CCV Main Failed
K	39	45	2	5178.88	0.99	ppb	188796.25	1.75	5000	103.6	90	110	
Ca	44	45	2	4890.25	2.65	ppb	10203.68	2.57	5000	97.8	90	110	
V	51	72	2	57.53	1.50	ppb	54859.42	1.07	50	115.1	90	110	6-CCV Main Failed
Cr	52	72	2	56.30	2.50	ppb	78197.75	2.94	50	112.6	90	110	6-CCV Main Failed
Mn	55	72	2	52.63	2.87	ppb	27429.50	2.76	50	105.3	90	110	
Fe	57	72	2	5418.18	2.49	ppb	159737.41	1.76	5000	108.4	90	110	
Co	59	72	2	54.25	1.89	ppb	162384.91	1.07	50	108.5	90	110	
Ni	60	72	2	54.66	0.93	ppb	47197.54	1.34	50	109.3	90	110	
Cu	63	72	2	56.04	0.56	ppb	142827.93	0.86	50	112.1	90	110	6-CCV Main Failed
Zn	66	72	2	52.99	7.71	ppb	13092.57	7.95	50	106.0	90	110	
As	75	72	2	49.63	4.05	ppb	6208.03	4.60	50	99.3	90	110	
Se	78	72	1	50.94	2.55	ppb	27875.12	1.96	50	101.9	90	110	
Nb	93	72	2	102.54	1.16	ppb	378988.88	0.46	100	102.5	90	110	
Mo	95	115	2	54.65	1.79	ppb	54714.55	2.13	50	109.3	90	110	
Pd	105	115	2	55.86	1.93	ppb	110142.29	1.84	50	111.7	90	110	6-CCV Main Failed
Ag	107	115	2	56.63	1.90	ppb	256211.14	1.31	50	113.3	90	110	6-CCV Main Failed
Cd	111	115	2	54.30	1.89	ppb	25273.87	1.56	50	108.6	90	110	
Sn	120	115	2	53.65	1.99	ppb	59091.71	1.15	50	107.3	90	110	
Sb	121	115	2	52.76	0.90	ppb	36440.62	1.49	50	105.5	90	110	
Ba	137	115	2	51.97	8.76	ppb	13533.20	7.98	50	103.9	90	110	
W	182	165	2	53.57	1.46	ppb	327529.28	0.53	50	107.1	90	110	
Pt	195	165	2	54.81	1.35	ppb	287345.41	2.22	50	109.6	90	110	
Tl	205	165	2	51.84	2.31	ppb	535598.04	0.82	50	103.7	90	110	
Pb	208	165	2	52.74	1.61	ppb	678493.10	1.05	50	105.5	90	110	
Th	232	165	2	51.21	1.65	ppb	661544.71	0.17	50	102.4	90	110	
U	238	165	2	52.06	3.10	ppb	816414.80	1.59	50	104.1	90	110	

QC ISTD Table

Element	m/z	Tune Step	CPS	%RSD	Ref CPS	%Rec	QC Low	QC High	QC Flag
Li6	6	1	1210691	1.20	919037	131.7	60	125	IS Main Failed
Sc (IS)	45	2	860414	1.47	711810	120.9	60	125	
Ge (IS)	72	1	16827541	0.76	13273700	126.8	60	125	IS Main Failed
Ge (IS)	72	2	1191475	0.84	1015334	117.3	60	125	
115In	115	2	3790888	0.83	3384210	112.0	60	125	
Ho-165	165	2	23677129	1.53	21532999	110.0	60	125	

TuneStep	TuneFile
1	h2_hmi.u
2	he_hmi.u

Continuing Calibration Blank (CCB) - US EPA Method 6020

Sample Name	ccb-1394903
Data File Name	2776CCB.D
DataPath	d:\DATA\050212.B
Acq Date Time	2012-05-03T01:21:17-06:00
Type	6-CCB
VialNumber	1305
Dilution	1
Comment	
Operator	LMT
ISTDRefDataFileName	267CALB.D
SamplePassFail	Fail
ISTD PassFail	Pass

QC Analyte Table

Element	m/z	ISTD	Tune Step	Meas Value	%RSD	Units	CPS	CPS %RSD	QC High	QC Flag
Be	9	6	1	0.03	53.67	ppb	10.00	50.00	1	
Na	23	45	2	286.16	17.51	ppb	79519.02	5.57	20	6-CCB Main Failed
Mg	24	45	2	6.30	26.40	ppb	720.06	19.44	20	
Al	27	45	2	1.08	339.66	ppb	80.01	66.14	20	
K	39	45	2	0.80	944.66	ppb	1233.48	27.96	20	
Ca	44	45	2	-0.18	-11419.48	ppb	40.00	100.00	20	
V	51	72	2	0.11	61.71	ppb	54.13	127.03	1	
Cr	52	72	2	0.01	53.48	ppb	113.34	10.19	1	
Mn	55	72	2	-0.03	-141.30	ppb	73.34	31.49	1	
Fe	57	72	2	4.14	54.26	ppb	340.04	15.56	20	
Co	59	72	2	0.03	104.87	ppb	93.34	86.60	1	
Ni	60	72	2	0.12	33.23	ppb	226.69	20.38	1	
Cu	63	72	2	0.03	420.42	ppb	1493.54	21.78	1	
Zn	66	72	2	0.04	1159.63	ppb	233.36	48.74	5	
As	75	72	2	0.07	197.96	ppb	23.33	65.47	5	
Se	78	72	1	0.06	114.82	ppb	41.33	83.44	5	
Nb	93	72	2	1.17	29.97	ppb	4654.36	23.61	5	
Mo	95	115	2	0.11	107.28	ppb	133.35	85.30	1	
Pd	105	115	2	0.02	106.31	ppb	80.01	50.01	1	
Ag	107	115	2	0.02	131.97	ppb	140.01	71.43	1	
Cd	111	115	2	-0.05	-39.91	ppb	46.67	24.75	1	
Sn	120	115	2	0.14	91.98	ppb	420.04	28.57	5	
Sb	121	115	2	0.15	87.85	ppb	140.01	62.27	0.2	
Ba	137	115	2	-0.06	0.00	ppb	0.00	#DIV/0!	1	
W	182	165	2	0.05	102.24	ppb	1506.89	27.67	1	
Pt	195	165	2	0.04	34.59	ppb	280.03	32.73	1	
Tl	205	165	2	0.02	86.37	ppb	340.04	56.11	1	
Pb	208	165	2	0.02	128.61	ppb	1293.48	34.07	1	
Th	232	165	2	0.31	26.77	ppb	4594.44	17.62	1	
U	238	165	2	0.03	41.19	ppb	540.07	39.19	1	

QC ISTD Table

Element	m/z	Tune Step	CPS	%RSD	Ref CPS	%Rec	QC Low	QC High	QC Flag
Li6	6	1	1133572	4.36	919037	123.3	60	125	
Sc (IS)	45	2	868042	7.79	711810	121.9	60	125	
Ge (IS)	72	1	15536841	3.93	13273700	117.0	60	125	
Ge (IS)	72	2	1192127	5.20	1015334	117.4	60	125	
115In	115	2	3830409	6.04	3384210	113.2	60	125	
Ho-165	165	2	23888446	6.95	21532999	110.9	60	125	

TuneStep	TuneFile
1	h2_hmi.u
2	he_hmi.u

Sample Report

Sample Name	280-28117-E-13-B@10
Data File Name	278SMPL.D
DataPath	d:\DATA\050212.B
Acq Date Time	2012-05-03T01:24:16-06:00
Type	Sample
VialNumber	3501
Dilution	1
Comment	117067 6020
Operator	LMT
ISTDRefDataFileName	267CALB.D
SamplePassFail	Pass
ISTD PassFail	Pass

QC Analyte Table

Element	m/z	ISTD	Tune Step	Meas Value	FinalConc	%RSD	Units	CPS	CPS %RSD	High Value	QC Flag
Be	9	6	1	0.04	0.04	50.38	ppb	10.00	50.00	3600	
Na	23	45	2	1125697.46	1125697.46	0.63	ppb	198613817.04	1.54	1800000	
Mg	24	45	2	6612.23	6612.23	0.55	ppb	475880.49	1.42	450000	
Al	27	45	2	42.04	42.04	28.07	ppb	660.07	24.80	450000	
K	39	45	2	4159.26	4159.26	1.73	ppb	138855.59	2.41	180000	
Ca	44	45	2	93839.07	93839.07	0.72	ppb	178367.02	1.36	450000	
V	51	72	2	10.26	10.26	3.72	ppb	7827.90	2.48	3600	
Cr	52	72	2	0.45	0.45	1.57	ppb	573.40	2.02	3600	
Mn	55	72	2	1.01	1.01	30.41	ppb	493.39	26.38	3600	
Fe	57	72	2	49.99	49.99	8.46	ppb	1360.19	7.78	90000	
Co	59	72	2	0.04	0.04	43.89	ppb	106.68	39.03	3600	
Ni	60	72	2	0.02	0.02	438.56	ppb	113.34	50.95	3600	
Cu	63	72	2	0.09	0.09	144.60	ppb	1320.18	18.93	3600	
Zn	66	72	2	1.26	1.26	42.09	ppb	426.71	23.12	3600	
As	75	72	2	71.67	71.67	4.01	ppb	7201.73	4.82	3600	
Se	78	72	1	38.24	38.24	1.78	ppb	13522.59	0.86	3600	
Nb	93	72	2	0.57	0.57	5.27	ppb	1986.96	3.24	7200	
Mo	95	115	2	34.17	34.17	3.95	ppb	27917.65	2.93	3600	
Pd	105	115	2	0.02	0.02	202.88	ppb	66.67	91.65	3600	
Ag	107	115	2	0.01	0.01	94.32	ppb	86.67	35.25	900	
Cd	111	115	2	-0.13	-0.13	-23.94	ppb	6.67	173.21	3600	
Sn	120	115	2	0.20	0.20	60.83	ppb	400.04	26.46	3600	
Sb	121	115	2	0.10	0.10	102.37	ppb	86.67	66.62	3600	
Ba	137	115	2	2.02	2.02	22.48	ppb	440.05	20.83	3600	
W	182	165	2	0.03	0.03	44.81	ppb	1100.14	4.81	3600	
Pt	195	165	2	0.04	0.04	60.45	ppb	186.69	48.31	3600	
Tl	205	165	2	0.02	0.02	85.59	ppb	266.69	49.94	3600	
Pb	208	165	2	0.02	0.02	55.57	ppb	1073.45	12.41	3600	
Th	232	165	2	0.32	0.32	11.36	ppb	3887.48	10.80	3600	
U	238	165	2	0.05	0.05	21.43	ppb	686.74	18.73	3600	

QC ISTD Table

Element	m/z	Tune Step	CPS	%RSD	Ref CPS	%Rec	Lower Limit	Upper Limit	QC Flag
Li6	6	1	917533	0.58	919037	99.8	60	125	
Sc (IS)	45	2	786681	0.92	711810	110.5	60	125	
Ge (IS)	72	1	10873986	2.60	13273700	81.9	60	125	
Ge (IS)	72	2	957942	1.39	1015334	94.3	60	125	
115In	115	2	3094392	1.01	3384210	91.4	60	125	
Ho-165	165	2	19304246	0.84	21532999	89.6	60	125	

TuneStep	TuneFile	TuneDate
1	h2_hmi.u	5/3/2012 1:22:00 AM
2	he_hmi.u	5/3/2012 1:22:00 AM

Sample Report

Sample Name	280-28117-E-13-Bsd@50
Data File Name	279SMPL.D
DataPath	d:\DATA\050212.B
Acq Date Time	2012-05-03T01:27:17-06:00
Type	Sample
VialNumber	3502
Dilution	1
Comment	117067 6020
Operator	LMT
ISTDRefDataFileName	267CALB.D
SamplePassFail	Pass
ISTD PassFail	Pass

QC Analyte Table

Element	m/z	ISTD	Tune Step	Meas Value	FinalConc	%RSD	Units	CPS	CPS %RSD	High Value	QC Flag
Be	9	6	1	0.04	0.04	89.92	ppb	11.67	89.21	3600	
Na	23	45	2	229483.77	229483.77	0.93	ppb	43854772.68	0.36	1800000	
Mg	24	45	2	1403.42	1403.42	2.75	ppb	109508.50	1.67	450000	
Al	27	45	2	10.47	10.47	102.66	ppb	226.69	74.00	450000	
K	39	45	2	838.72	838.72	3.89	ppb	31261.98	4.99	180000	
Ca	44	45	2	20501.83	20501.83	4.12	ppb	42211.14	2.84	450000	
V	51	72	2	2.20	2.20	8.66	ppb	1917.84	8.60	3600	
Cr	52	72	2	0.16	0.16	38.88	ppb	293.36	27.55	3600	
Mn	55	72	2	0.33	0.33	12.24	ppb	240.02	8.33	3600	
Fe	57	72	2	7.51	7.51	59.26	ppb	413.37	29.57	90000	
Co	59	72	2	0.01	0.01	158.70	ppb	40.00	100.00	3600	
Ni	60	72	2	0.08	0.08	144.92	ppb	180.02	50.92	3600	
Cu	63	72	2	-0.03	-0.03	-68.80	ppb	1266.83	3.65	3600	
Zn	66	72	2	0.65	0.65	74.86	ppb	360.04	30.93	3600	
As	75	72	2	15.37	15.37	3.85	ppb	1813.51	3.59	3600	
Se	78	72	1	7.85	7.85	5.81	ppb	3607.09	6.49	3600	
Nb	93	72	2	0.26	0.26	7.98	ppb	1240.14	5.82	7200	
Mo	95	115	2	6.66	6.66	7.95	ppb	6341.70	7.58	3600	
Pd	105	115	2	0.00	0.00	566.56	ppb	46.67	49.49	3600	
Ag	107	115	2	0.00	0.00	-255.16	ppb	46.67	89.21	900	
Cd	111	115	2	-0.05	-0.05	-86.03	ppb	40.00	50.01	3600	
Sn	120	115	2	0.08	0.08	27.44	ppb	340.04	5.89	3600	
Sb	121	115	2	0.14	0.14	102.77	ppb	126.68	74.62	3600	
Ba	137	115	2	0.40	0.40	42.48	ppb	113.35	36.74	3600	
W	182	165	2	0.04	0.04	62.67	ppb	1373.53	10.33	3600	
Pt	195	165	2	0.02	0.02	67.23	ppb	153.35	49.38	3600	
Tl	205	165	2	0.01	0.01	168.23	ppb	200.02	55.68	3600	
Pb	208	165	2	0.03	0.03	53.62	ppb	1320.14	13.64	3600	
Th	232	165	2	0.09	0.09	13.65	ppb	1726.95	9.36	3600	
U	238	165	2	0.02	0.02	9.19	ppb	440.05	7.87	3600	

QC ISTD Table

Element	m/z	Tune Step	CPS	%RSD	Ref CPS	%Rec	Lower Limit	Upper Limit	QC Flag
Li6	6	1	1122696	1.90	919037	122.2	60	125	
Sc (IS)	45	2	851801	1.28	711810	119.7	60	125	
Ge (IS)	72	1	14084893	0.71	13273700	106.1	60	125	
Ge (IS)	72	2	1117681	0.39	1015334	110.1	60	125	
115In	115	2	3596802	1.13	3384210	106.3	60	125	
Ho-165	165	2	22644577	1.07	21532999	105.2	60	125	

TuneStep	TuneFile	TuneDate
1	h2_hmi.u	5/3/2012 1:25:00 AM
2	he_hmi.u	5/3/2012 1:25:00 AM

Sample Report

Sample Name	280-28117-E-13-C MS@10
Data File Name	280SMPL.D
DataPath	d:\DATA\050212.B
Acq Date Time	2012-05-03T01:30:16-06:00
Type	Sample
VialNumber	3503
Dilution	1
Comment	117067 6020
Operator	LMT
ISTDRefDataFileName	267CALB.D
SamplePassFail	Pass
ISTD PassFail	Pass

QC Analyte Table

Element	m/z	ISTD	Tune Step	Meas Value	FinalConc	%RSD	Units	CPS	CPS %RSD	High Value	QC Flag
Be	9	6	1	3.68	3.68	9.55	ppb	970.05	10.73	3600	
Na	23	45	2	1213727.87	1213727.87	12.77	ppb	213013623.50	4.39	1800000	
Mg	24	45	2	7132.88	7132.88	13.91	ppb	510176.54	5.11	450000	
Al	27	45	2	50.24	50.24	15.47	ppb	786.76	23.62	450000	
K	39	45	2	4477.05	4477.05	12.45	ppb	148645.96	4.35	180000	
Ca	44	45	2	100050.18	100050.18	13.24	ppb	189083.93	4.48	450000	
V	51	72	2	18.47	18.47	15.09	ppb	13579.87	6.87	3600	
Cr	52	72	2	5.52	5.52	5.36	ppb	6028.16	5.85	3600	
Mn	55	72	2	6.41	6.41	11.92	ppb	2653.80	8.93	3600	
Fe	57	72	2	47.96	47.96	29.41	ppb	1266.83	23.76	90000	
Co	59	72	2	4.56	4.56	9.86	ppb	10590.79	1.59	3600	
Ni	60	72	2	4.95	4.95	15.04	ppb	3393.98	7.13	3600	
Cu	63	72	2	4.58	4.58	5.77	ppb	10077.03	4.19	3600	
Zn	66	72	2	3.55	3.55	15.62	ppb	853.42	21.01	3600	
As	75	72	2	86.12	86.12	12.56	ppb	8332.31	5.78	3600	
Se	78	72	1	43.74	43.74	1.28	ppb	14802.31	1.15	3600	
Nb	93	72	2	0.22	0.22	35.81	ppb	900.10	17.35	7200	
Mo	95	115	2	40.10	40.10	14.19	ppb	31931.31	6.72	3600	
Pd	105	115	2	0.02	0.02	22.19	ppb	60.01	0.00	3600	
Ag	107	115	2	3.79	3.79	9.23	ppb	13713.35	1.33	900	
Cd	111	115	2	3.63	3.63	26.10	ppb	1386.83	17.21	3600	
Sn	120	115	2	4.33	4.33	26.11	ppb	3960.83	16.06	3600	
Sb	121	115	2	4.03	4.03	14.27	ppb	2247.04	10.32	3600	
Ba	137	115	2	6.79	6.79	19.79	ppb	1420.22	17.08	3600	
W	182	165	2	0.04	0.04	110.38	ppb	1153.48	12.78	3600	
Pt	195	165	2	0.01	0.01	68.16	ppb	73.34	41.66	3600	
Tl	205	165	2	3.83	3.83	8.94	ppb	31720.37	0.59	3600	
Pb	208	165	2	4.00	4.00	16.32	ppb	41685.18	7.58	3600	
Th	232	165	2	3.84	3.84	14.39	ppb	39953.92	5.87	3600	
U	238	165	2	4.17	4.17	17.98	ppb	52091.04	8.94	3600	

QC ISTD Table

Element	m/z	Tune Step	CPS	%RSD	Ref CPS	%Rec	Lower Limit	Upper Limit	QC Flag
Li6	6	1	912512	1.31	919037	99.3	60	125	
Sc (IS)	45	2	788723	9.57	711810	110.8	60	125	
Ge (IS)	72	1	10404870	1.26	13273700	78.4	60	125	
Ge (IS)	72	2	928837	8.76	1015334	91.5	60	125	
115In	115	2	3038388	9.07	3384210	89.8	60	125	
Ho-165	165	2	19039049	9.49	21532999	88.4	60	125	

TuneStep	TuneFile	TuneDate
1	h2_hmi.u	5/3/2012 1:28:00 AM
2	he_hmi.u	5/3/2012 1:28:00 AM

Sample Report

Sample Name	280-28117-E-13-D MSD@10
Data File Name	281SMPL.D
DataPath	d:\DATA\050212.B
Acq Date Time	2012-05-03T01:33:14-06:00
Type	Sample
VialNumber	3504
Dilution	1
Comment	117067 6020
Operator	LMT
ISTDRefDataFileName	267CALB.D
SamplePassFail	Pass
ISTD PassFail	Pass

QC Analyte Table

Element	m/z	ISTD	Tune Step	Meas Value	FinalConc	%RSD	Units	CPS	CPS %RSD	High Value	QC Flag
Be	9	6	1	3.38	3.38	15.39	ppb	966.71	18.88	3600	
Na	23	45	2	1172189.12	1172189.12	0.26	ppb	223877183.33	1.08	1800000	
Mg	24	45	2	6899.35	6899.35	1.49	ppb	537542.12	2.34	450000	
Al	27	45	2	41.03	41.03	2.25	ppb	700.08	2.86	450000	
K	39	45	2	4272.89	4272.89	2.38	ppb	154387.02	2.84	180000	
Ca	44	45	2	95817.55	95817.55	2.07	ppb	197173.25	2.83	450000	
V	51	72	2	15.05	15.05	1.32	ppb	12184.29	1.14	3600	
Cr	52	72	2	5.65	5.65	6.18	ppb	6755.16	6.23	3600	
Mn	55	72	2	5.28	5.28	11.75	ppb	2407.07	10.72	3600	
Fe	57	72	2	42.23	42.23	14.52	ppb	1246.83	13.46	90000	
Co	59	72	2	4.46	4.46	8.86	ppb	11384.45	10.03	3600	
Ni	60	72	2	4.85	4.85	4.08	ppb	3660.73	5.27	3600	
Cu	63	72	2	4.04	4.04	1.42	ppb	9876.90	1.64	3600	
Zn	66	72	2	3.86	3.86	29.82	ppb	993.46	25.34	3600	
As	75	72	2	77.31	77.31	1.15	ppb	8225.57	2.38	3600	
Se	78	72	1	42.71	42.71	2.01	ppb	15848.51	1.67	3600	
Nb	93	72	2	0.09	0.09	48.05	ppb	586.73	20.55	7200	
Mo	95	115	2	40.83	40.83	2.74	ppb	34642.81	2.45	3600	
Pd	105	115	2	-0.01	-0.01	-259.16	ppb	26.67	114.57	3600	
Ag	107	115	2	3.97	3.97	3.55	ppb	15261.32	4.20	900	
Cd	111	115	2	3.95	3.95	10.64	ppb	1613.55	11.25	3600	
Sn	120	115	2	4.03	4.03	10.80	ppb	3967.46	9.39	3600	
Sb	121	115	2	3.94	3.94	11.38	ppb	2333.72	11.42	3600	
Ba	137	115	2	5.32	5.32	7.75	ppb	1186.82	7.60	3600	
W	182	165	2	0.00	0.00	-1038.61	ppb	986.79	15.75	3600	
Pt	195	165	2	0.01	0.01	85.97	ppb	73.34	41.66	3600	
Tl	205	165	2	3.72	3.72	3.39	ppb	32729.46	3.68	3600	
Pb	208	165	2	3.83	3.83	3.98	ppb	42505.39	2.96	3600	
Th	232	165	2	3.86	3.86	1.48	ppb	42727.13	1.99	3600	
U	238	165	2	4.09	4.09	1.60	ppb	54403.79	0.63	3600	

QC ISTD Table

Element	m/z	Tune Step	CPS	%RSD	Ref CPS	%Rec	Lower Limit	Upper Limit	QC Flag
Li6	6	1	989600	4.75	919037	107.7	60	125	
Sc (IS)	45	2	851603	0.90	711810	119.6	60	125	
Ge (IS)	72	1	11408732	0.35	13273700	85.9	60	125	
Ge (IS)	72	2	1014569	1.50	1015334	99.9	60	125	
115In	115	2	3213130	0.94	3384210	94.9	60	125	
Ho-165	165	2	20066888	0.96	21532999	93.2	60	125	

TuneStep	TuneFile	TuneDate
1	h2_hmi.u	5/3/2012 1:31:00 AM
2	he_hmi.u	5/3/2012 1:31:00 AM

Sample Report

Sample Name	280-28117-E-13-Bpds@10
Data File Name	282SMPL.D
DataPath	d:\DATA\050212.B
Acq Date Time	2012-05-03T01:36:15-06:00
Type	Sample
VialNumber	3505
Dilution	1
Comment	117067 6020
Operator	LMT
ISTDRefDataFileName	267CALB.D
SamplePassFail	Pass
ISTD PassFail	Pass

QC Analyte Table

Element	m/z	ISTD	Tune Step	Meas Value	FinalConc	%RSD	Units	CPS	CPS %RSD	High Value	QC Flag
Be	9	6	1	169.95	169.95	1.16	ppb	52005.76	1.47	3600	
Na	23	45	2	1154046.14	1154046.14	1.39	ppb	226230436.63	1.85	1800000	
Mg	24	45	2	6703.13	6703.13	1.19	ppb	535963.46	0.65	450000	
Al	27	45	2	60.79	60.79	25.77	ppb	1033.46	24.51	450000	
K	39	45	2	4246.83	4246.83	1.81	ppb	157477.08	1.01	180000	
Ca	44	45	2	93469.68	93469.68	0.80	ppb	197393.90	0.91	450000	
V	51	72	2	266.88	266.88	1.05	ppb	219546.54	0.77	3600	
Cr	52	72	2	241.64	241.64	1.44	ppb	289069.47	1.97	3600	
Mn	55	72	2	227.48	227.48	1.03	ppb	101954.65	1.13	3600	
Fe	57	72	2	42.66	42.66	15.71	ppb	1273.50	14.60	90000	
Co	59	72	2	222.71	222.71	0.54	ppb	574685.94	0.80	3600	
Ni	60	72	2	212.50	212.50	2.46	ppb	157828.54	1.46	3600	
Cu	63	72	2	205.86	205.86	2.01	ppb	449047.95	2.95	3600	
Zn	66	72	2	175.56	175.56	1.12	ppb	36933.84	1.56	3600	
As	75	72	2	272.81	272.81	1.39	ppb	29351.36	2.29	3600	
Se	78	72	1	219.62	219.62	1.28	ppb	85683.72	0.40	3600	
Nb	93	72	2	0.11	0.11	35.62	ppb	680.07	19.29	7200	
Mo	95	115	2	280.81	280.81	2.88	ppb	236855.71	1.50	3600	
Pd	105	115	2	0.01	0.01	717.95	ppb	46.67	137.77	3600	
Ag	107	115	2	193.58	193.58	0.66	ppb	738309.16	1.12	900	
Cd	111	115	2	181.57	181.57	1.23	ppb	71115.48	1.83	3600	
Sn	120	115	2	213.90	213.90	2.80	ppb	197916.46	1.49	3600	
Sb	121	115	2	196.36	196.36	1.66	ppb	114232.58	1.01	3600	
Ba	137	115	2	210.63	210.63	2.69	ppb	46238.63	4.15	3600	
W	182	165	2	0.07	0.07	16.09	ppb	1353.52	4.75	3600	
Pt	195	165	2	0.03	0.03	81.40	ppb	153.35	61.64	3600	
Tl	205	165	2	183.26	183.26	0.87	ppb	1593075.08	0.78	3600	
Pb	208	165	2	182.51	182.51	1.02	ppb	1973615.10	0.39	3600	
Th	232	165	2	191.28	191.28	0.37	ppb	2078315.34	0.42	3600	
U	238	165	2	192.46	192.46	0.83	ppb	2539980.95	0.55	3600	

QC ISTD Table

Element	m/z	Tune Step	CPS	%RSD	Ref CPS	%Rec	Lower Limit	Upper Limit	QC Flag
Li6	6	1	1061249	1.11	919037	115.5	60	125	
Sc (IS)	45	2	874065	0.78	711810	122.8	60	125	
Ge (IS)	72	1	12001601	1.46	13273700	90.4	60	125	
Ge (IS)	72	2	1027125	1.25	1015334	101.2	60	125	
115In	115	2	3196048	1.50	3384210	94.4	60	125	
Ho-165	165	2	19922496	0.79	21532999	92.5	60	125	

TuneStep	TuneFile	TuneDate
1	h2_hmi.u	5/3/2012 1:34:00 AM
2	he_hmi.u	5/3/2012 1:34:00 AM

Continuing Calibration Verification (CCV) - US EPA Method 6020

Sample Name	ccv-1394868
Data File Name	2836CCV.D
DataPath	d:\DATA\050212.B
Acq Date Time	2012-05-03T01:39:13-06:00
Type	6-CCV
VialNumber	1105
Dilution	1
Comment	
Operator	LMT
ISTDRefDataFileName	267CALB.D
SamplePassFail	Fail
ISTD PassFail	Pass

QC Analyte Table

Element	m/z	ISTD	Tune Step	Meas Value	%RSD	Units	CPS	CPS%RSD	Exp Value	%Rec	QC Low	QC High	QC Flag
Be	9	6	1	47.66	1.66	ppb	18889.62	1.22	50	95.3	90	110	
Na	23	45	2	6329.14	0.69	ppb	1377851.70	0.38	5000	126.6	90	110	6-CCV Main Failed
Mg	24	45	2	5644.62	1.38	ppb	491645.50	1.22	5000	112.9	90	110	6-CCV Main Failed
Al	27	45	2	5621.88	1.06	ppb	97510.95	0.84	5000	112.4	90	110	6-CCV Main Failed
K	39	45	2	5405.14	2.05	ppb	217968.69	1.96	5000	108.1	90	110	
Ca	44	45	2	5197.94	2.48	ppb	11998.32	2.22	5000	104.0	90	110	
V	51	72	2	56.64	7.12	ppb	59362.28	7.26	50	113.3	90	110	6-CCV Main Failed
Cr	52	72	2	56.65	1.47	ppb	86475.52	2.06	50	113.3	90	110	6-CCV Main Failed
Mn	55	72	2	53.11	2.02	ppb	30421.07	2.13	50	106.2	90	110	
Fe	57	72	2	5526.39	0.65	ppb	179084.02	0.99	5000	110.5	90	110	6-CCV Main Failed
Co	59	72	2	54.82	1.31	ppb	180371.17	0.71	50	109.6	90	110	
Ni	60	72	2	56.04	1.35	ppb	53174.28	1.91	50	112.1	90	110	6-CCV Main Failed
Cu	63	72	2	54.91	2.27	ppb	153837.91	2.33	50	109.8	90	110	
Zn	66	72	2	54.87	3.00	ppb	14887.52	2.43	50	109.7	90	110	
As	75	72	2	54.67	2.14	ppb	7511.86	2.43	50	109.3	90	110	
Se	78	72	1	50.09	0.62	ppb	30190.91	0.35	50	100.2	90	110	
Nb	93	72	2	103.07	0.99	ppb	418710.15	1.55	100	103.1	90	110	
Mo	95	115	2	58.69	2.85	ppb	62273.18	3.05	50	117.4	90	110	6-CCV Main Failed
Pd	105	115	2	57.48	0.61	ppb	120121.51	0.27	50	115.0	90	110	6-CCV Main Failed
Ag	107	115	2	57.09	0.94	ppb	273775.96	0.29	50	114.2	90	110	6-CCV Main Failed
Cd	111	115	2	54.74	2.97	ppb	27002.77	2.44	50	109.5	90	110	
Sn	120	115	2	53.14	3.47	ppb	62034.48	2.97	50	106.3	90	110	
Sb	121	115	2	54.34	2.76	ppb	39775.84	2.32	50	108.7	90	110	
Ba	137	115	2	51.86	1.78	ppb	14320.72	1.14	50	103.7	90	110	
W	182	165	2	53.91	1.87	ppb	339395.42	1.77	50	107.8	90	110	
Pt	195	165	2	56.42	1.18	ppb	304492.13	0.88	50	112.8	90	110	6-CCV Main Failed
Tl	205	165	2	51.95	0.80	ppb	552668.44	0.51	50	103.9	90	110	
Pb	208	165	2	53.05	0.88	ppb	702726.15	0.66	50	106.1	90	110	
Th	232	165	2	54.42	0.10	ppb	723886.14	0.40	50	108.8	90	110	
U	238	165	2	51.37	1.09	ppb	829714.44	0.90	50	102.7	90	110	

QC ISTD Table

Element	m/z	Tune Step	CPS	%RSD	Ref CPS	%Rec	QC Low	QC High	QC Flag
Li6	6	1	1374715	1.14	919037	149.6	60	125	IS Main Failed
Sc (IS)	45	2	952039	0.31	711810	133.7	60	125	IS Main Failed
Ge (IS)	72	1	18534591	0.44	13273700	139.6	60	125	IS Main Failed
Ge (IS)	72	2	1309487	0.60	1015334	129.0	60	125	IS Main Failed
115In	115	2	4017960	0.86	3384210	118.7	60	125	
Ho-165	165	2	24377249	0.31	21532999	113.2	60	125	

TuneStep	TuneFile
1	h2_hmi.u
2	he_hmi.u

Continuing Calibration Blank (CCB) - US EPA Method 6020

Sample Name	ccb-1394903
Data File Name	2846CCB.D
DataPath	d:\DATA\050212.B
Acq Date Time	2012-05-03T01:42:12-06:00
Type	6-CCB
VialNumber	1305
Dilution	1
Comment	
Operator	LMT
ISTDRefDataFileName	267CALB.D
SamplePassFail	Fail
ISTD PassFail	Pass

QC Analyte Table

Element	m/z	ISTD	Tune Step	Meas Value	%RSD	Units	CPS	CPS %RSD	QC High	QC Flag
Be	9	6	1	0.02	125.41	ppb	8.33	124.90	1	
Na	23	45	2	325.32	1.25	ppb	95420.02	1.76	20	6-CCB Main Failed
Mg	24	45	2	3.02	41.81	ppb	500.05	22.27	20	
Al	27	45	2	-1.41	-45.92	ppb	46.67	24.75	20	
K	39	45	2	15.76	41.77	ppb	1926.92	12.98	20	
Ca	44	45	2	18.74	166.14	ppb	86.68	81.05	20	
V	51	72	2	0.06	24.71	ppb	-1.91	-765.65	1	
Cr	52	72	2	0.06	44.29	ppb	193.35	21.53	1	
Mn	55	72	2	0.11	133.98	ppb	153.35	52.72	1	
Fe	57	72	2	0.89	199.13	ppb	266.70	21.65	20	
Co	59	72	2	0.01	232.14	ppb	40.00	132.29	1	
Ni	60	72	2	0.02	131.10	ppb	153.35	15.06	1	
Cu	63	72	2	0.09	65.06	ppb	1773.58	8.32	1	
Zn	66	72	2	0.21	60.38	ppb	300.03	11.55	5	
As	75	72	2	0.05	323.34	ppb	23.33	89.21	5	
Se	78	72	1	0.10	17.10	ppb	72.00	14.70	5	
Nb	93	72	2	1.25	2.28	ppb	5408.02	2.26	5	
Mo	95	115	2	0.10	28.45	ppb	133.34	22.91	1	
Pd	105	115	2	0.02	114.10	ppb	100.01	60.00	1	
Ag	107	115	2	0.01	153.25	ppb	140.02	75.59	1	
Cd	111	115	2	-0.02	-178.97	ppb	60.01	33.34	1	
Sn	120	115	2	0.23	34.44	ppb	553.40	16.30	5	
Sb	121	115	2	0.46	55.95	ppb	373.37	49.78	0.2	6-CCB Main Failed
Ba	137	115	2	0.09	144.19	ppb	40.00	86.61	1	
W	182	165	2	0.04	91.11	ppb	1493.55	16.37	1	
Pt	195	165	2	0.02	48.67	ppb	146.68	34.32	1	
Tl	205	165	2	0.04	35.24	ppb	566.73	26.49	1	
Pb	208	165	2	0.03	40.24	ppb	1400.15	10.79	1	
Th	232	165	2	0.38	12.13	ppb	5668.21	10.57	1	
U	238	165	2	0.05	13.77	ppb	940.13	12.94	1	

QC ISTD Table

Element	m/z	Tune Step	CPS	%RSD	Ref CPS	%Rec	QC Low	QC High	QC Flag
Li6	6	1	1322967	0.95	919037	144.0	60	125	IS Main Failed
Sc (IS)	45	2	945152	0.88	711810	132.8	60	125	IS Main Failed
Ge (IS)	72	1	18303793	0.95	13273700	137.9	60	125	IS Main Failed
Ge (IS)	72	2	1291577	0.57	1015334	127.2	60	125	IS Main Failed
115In	115	2	4019911	0.56	3384210	118.8	60	125	
Ho-165	165	2	24473089	0.96	21532999	113.7	60	125	

TuneStep	TuneFile
1	h2_hmi.u
2	he_hmi.u

Batch Summary Report

Batch Folder: d:\DATA\050212.B\
Analysis File: 050212.batch.xml
Tune Step: #1 h2_hmi.u
#2 he_hmi.u

	Rjct	Acq. Date-Time	Data File	Sample Name	Type	Level	Dilution
1		5/2/2012 11:36:10 AM	002SMPL.D	rinse-1394889	Sample		1.0000
2		5/2/2012 11:39:05 AM	003CALB.D	icis	CalBlk	1	1.0000
3		5/2/2012 11:42:02 AM	004CALS.D	cal-1394861	CalStd	2	1.0000
4		5/2/2012 11:44:59 AM	005_ICV.D	icv-1394869	6-ICV		1.0000
5		5/2/2012 11:47:55 AM	006_ICB.D	icb-1394903	6-ICB		1.0000
6		5/2/2012 11:50:52 AM	007RLIV.D	icvl-1394870	ICVL		1.0000
7		5/2/2012 11:53:48 AM	008_RL.D	cri-1394886	RLSTD		1.0000
8		5/2/2012 11:57:00 AM	009AFRL.D	cri-1394887	AFCEERL		1.0000
9		5/2/2012 11:59:56 AM	010ICSA.D	icsa-1391205	6-ICSA		1.0000
10		5/2/2012 12:02:52 PM	011ICSB.D	ICSAB-1372208	6-ICSAB		1.0000
11		5/2/2012 12:05:49 PM	0126CCB.D	Carryover Check	6-CCB		1.0000
12		5/2/2012 12:08:46 PM	013_LR.D	lra-1305595	LR		1.0000
13		5/2/2012 12:11:43 PM	014BLNK.D	rinse	6-Blank		1.0000
14		5/2/2012 12:14:41 PM	0156CCV.D	ccv-1394868	6-CCV		1.0000
15		5/2/2012 12:17:40 PM	0166CCB.D	ccb-1394903	6-CCB		1.0000
16		5/2/2012 12:20:35 PM	017RLCV.D	ccvl-1394870	CCVL		1.0000
17		5/2/2012 12:23:32 PM	018SMPL.D	280-28063-B-11-B@5	Sample		1.0000
18		5/2/2012 12:26:27 PM	019SMPL.D	280-28063-B-12-B@5	Sample		1.0000
19		5/2/2012 12:29:23 PM	020SMPL.D	280-28063-B-13-B@5	Sample		1.0000
20		5/2/2012 12:32:18 PM	021SMPL.D	280-28063-B-14-B@5	Sample		1.0000
21		5/2/2012 12:35:14 PM	022SMPL.D	280-28063-B-15-B@5	Sample		1.0000
22		5/2/2012 12:38:11 PM	023SMPL.D	280-28063-E-16-B@5	Sample		1.0000
23		5/2/2012 12:41:12 PM	024SMPL.D	280-28063-E-17-D@5	Sample		1.0000
24		5/2/2012 12:44:11 PM	0256CCV.D	ccv-1394868	6-CCV		1.0000
25		5/2/2012 12:47:09 PM	0266CCB.D	ccb-1394903	6-CCB		1.0000
26		5/2/2012 12:50:09 PM	0276CCV.D	ccv-1394868	6-CCV		1.0000
27		5/2/2012 12:53:43 PM	0286CCV.D	ccv-1394868	6-CCV		1.0000

	Rjct	Acq. Date-Time	Data File	Sample Name	Type	Level	Dilution
28		5/2/2012 12:56:41 PM	0296CCB.D	ccb-1394903	6-CCB		1.0000
29		5/2/2012 12:59:39 PM	030SMPL.D		Sample		1.0000
30		5/2/2012 1:02:38 PM	031SMPL.D	rinse	Sample		1.0000
31		5/2/2012 1:05:34 PM	032SMPL.D	rinse	Sample		1.0000
32		5/2/2012 1:08:32 PM	0336CCV.D	ccv-1394868	6-CCV		1.0000
33		5/2/2012 1:11:31 PM	0346CCB.D	ccb-1394903	6-CCB		1.0000
34		5/2/2012 1:14:27 PM	035SMPL.D	280-28063-B-11-B@5	Sample		1.0000
35		5/2/2012 1:17:23 PM	036SMPL.D	280-28063-B-12-B@5	Sample		1.0000
36		5/2/2012 1:20:19 PM	037SMPL.D	280-28063-B-13-B@5	Sample		1.0000
37		5/2/2012 1:23:18 PM	0386CCV.D	ccv-1394868	6-CCV		1.0000
38		5/2/2012 1:26:17 PM	0396CCB.D	ccb-1394903	6-CCB		1.0000
39		5/2/2012 1:29:14 PM	040SMPL.D	280-28286-B-6-B@2	Sample		1.0000
40		5/2/2012 1:32:15 PM	041SMPL.D	280-28286-B-7-B@2	Sample		1.0000
41		5/2/2012 1:35:14 PM	042SMPL.D	280-28286-B-8-B@5	Sample		1.0000
42		5/2/2012 1:38:10 PM	043SMPL.D	280-28063-B-15-B@5	Sample		1.0000
43		5/2/2012 1:42:20 PM	044SMPL.D	280-28063-E-17-D@5	Sample		1.0000
44		5/2/2012 1:45:19 PM	0456CCV.D	ccv-1394868	6-CCV		1.0000
45		5/2/2012 1:48:18 PM	0466CCB.D	ccb-1394903	6-CCB		1.0000
46		5/2/2012 1:51:18 PM	0476CCV.D	ccv-1394868	6-CCV		1.0000
47		5/2/2012 1:54:15 PM	0486CCV.D	ccv-1394868	6-CCV		1.0000
48		5/2/2012 1:57:14 PM	0496CCB.D	ccb-1394903	6-CCB		1.0000
49		5/2/2012 2:00:22 PM	050SMPL.D	rinse	Sample		1.0000
50		5/2/2012 2:03:19 PM	051SMPL.D	rinse	Sample		1.0000
51		5/2/2012 2:06:16 PM	052SMPL.D	rinse	Sample		1.0000
52		5/2/2012 2:09:13 PM	053SMPL.D	rinse	Sample		1.0000
53		5/2/2012 2:12:09 PM	054SMPL.D	rinse	Sample		1.0000
54		5/2/2012 2:15:06 PM	055CALB.D	icis	CalBlk	1	1.0000
55		5/2/2012 2:18:02 PM	056CALS.D	ic	CalStd	2	1.0000
56		5/2/2012 2:21:01 PM	0576CCV.D	ccv-1394868	6-CCV		1.0000
57		5/2/2012 2:24:37 PM	0586CCB.D	ccb-1394903	6-CCB		1.0000
58		5/2/2012 2:28:49 PM	059SMPL.D	280-28063-B-15-B@5	Sample		1.0000
59		5/2/2012 2:31:47 PM	060SMPL.D	280-28063-E-17-D@5	Sample		1.0000
60		5/2/2012 2:34:44 PM	061SMPL.D	280-28286-B-7-B@2	Sample		1.0000

	Rjct	Acq. Date-Time	Data File	Sample Name	Type	Level	Dilution
61		5/2/2012 2:37:41 PM	062SMPL.D	280-28286-B-8-B@5	Sample		1.0000
62		5/2/2012 2:40:39 PM	0636CCV.D	ccv-1394868	6-CCV		1.0000
63		5/2/2012 2:43:39 PM	0646CCB.D	ccb-1394903	6-CCB		1.0000
64		5/2/2012 2:46:35 PM	065SMPL.D	280-28283-A-8-B	Sample		1.0000
65		5/2/2012 2:49:32 PM	066SMPL.D	280-28283-A-9-B	Sample		1.0000
66		5/2/2012 2:52:29 PM	067SMPL.D	280-28283-A-10-B	Sample		1.0000
67		5/2/2012 2:55:25 PM	068SMPL.D	280-28283-A-11-B	Sample		1.0000
68		5/2/2012 2:58:25 PM	0696CCV.D	ccv-1394868	6-CCV		1.0000
69		5/2/2012 3:01:24 PM	0706CCB.D	ccb-1394903	6-CCB		1.0000
70		5/2/2012 3:04:20 PM	071SMPL.D	280-28286-B-1-B	Sample		1.0000
71		5/2/2012 3:07:21 PM	072SMPL.D	280-28286-B-2-B	Sample		1.0000
72		5/2/2012 3:10:19 PM	073SMPL.D	280-28286-B-3-B	Sample		1.0000
73		5/2/2012 3:13:20 PM	074SMPL.D	280-28286-B-4-B	Sample		1.0000
74		5/2/2012 3:17:00 PM	0756CCV.D	ccv-1394868	6-CCV		1.0000
75		5/2/2012 3:20:55 PM	0766CCV.D	ccv-1394868	6-CCV		1.0000
76		5/2/2012 3:23:53 PM	0776CCV.D	ccv-1394868	6-CCV		1.0000
77		5/2/2012 3:26:53 PM	0786CCB.D	ccb-1394903	6-CCB		1.0000
78		5/2/2012 3:29:52 PM	079SMPL.D	rinse	Sample		1.0000
79		5/2/2012 3:32:50 PM	080SMPL.D	rinse	Sample		1.0000
80		5/2/2012 3:35:48 PM	081SMPL.D	rinse	Sample		1.0000
81		5/2/2012 3:38:46 PM	082SMPL.D	rinse	Sample		1.0000
82		5/2/2012 3:41:42 PM	083CALB.D	icis	CalBlk	1	1.0000
83		5/2/2012 3:44:40 PM	084CALS.D	ic	CalStd	2	1.0000
84		5/2/2012 3:47:39 PM	0856CCV.D	ccv-1394868	6-CCV		1.0000
85		5/2/2012 3:50:39 PM	0866CCB.D	ccb-1394903	6-CCB		1.0000
86		5/2/2012 3:53:37 PM	087SMPL.D	280-28286-B-2-B	Sample		1.0000
87		5/2/2012 3:56:36 PM	088SMPL.D	280-28286-B-3-B	Sample		1.0000
88		5/2/2012 3:59:36 PM	089SMPL.D	280-28286-B-5-B	Sample		1.0000
89		5/2/2012 4:02:38 PM	090SMPL.D	280-28286-B-1-B@2	Sample		1.0000
90		5/2/2012 4:05:39 PM	091SMPL.D	280-28286-B-4-B@5	Sample		1.0000
91		5/2/2012 4:08:38 PM	0926CCV.D	ccv-1394868	6-CCV		1.0000
92		5/2/2012 4:11:55 PM	0936CCB.D	ccb-1394903	6-CCB		1.0000
93		5/2/2012 4:14:53 PM	094SMPL.D	rinse	Sample		1.0000

	Rjct	Acq. Date-Time	Data File	Sample Name	Type	Level	Dilution
94		5/2/2012 4:17:52 PM	095SMPL.D	rinse	Sample		1.0000
95		5/2/2012 4:20:59 PM	096SMPL.D	rinse	Sample		1.0000
96		5/2/2012 4:23:58 PM	097SMPL.D	rinse	Sample		1.0000
97		5/2/2012 4:26:54 PM	098CALB.D	icis	CalBlk	1	1.0000
98		5/2/2012 4:29:51 PM	099CALS.D	ic	CalStd	2	1.0000
99		5/2/2012 4:32:50 PM	1006CCV.D	ccv-1394868	6-CCV		1.0000
100		5/2/2012 4:35:50 PM	1016CCB.D	ccb-1394903	6-CCB		1.0000
101		5/2/2012 4:38:47 PM	102SMPL.D	280-28286-B-2-B	Sample		1.0000
102		5/2/2012 4:41:45 PM	103SMPL.D	280-28286-B-3-B	Sample		1.0000
103		5/2/2012 4:44:46 PM	104SMPL.D	280-28286-B-1-B@2	Sample		1.0000
104		5/2/2012 4:47:45 PM	105SMPL.D	280-28286-B-4-B@5	Sample		1.0000
105		5/2/2012 4:50:44 PM	1066CCV.D	ccv-1394868	6-CCV		1.0000
106		5/2/2012 4:53:43 PM	1076CCB.D	ccb-1394903	6-CCB		1.0000
107		5/2/2012 4:56:41 PM	108SMPL.D	280-28286-B-5-B@10	Sample		1.0000
108		5/2/2012 4:59:44 PM	109SMPL.D	280-28201-C-1-B	Sample		1.0000
109		5/2/2012 5:02:43 PM	110SMPL.D	280-28201-C-2-B	Sample		1.0000
110		5/2/2012 5:05:39 PM	111SMPL.D	280-28201-C-3-B	Sample		1.0000
111		5/2/2012 5:08:36 PM	112SMPL.D	280-28201-C-4-B	Sample		1.0000
112		5/2/2012 5:11:33 PM	113SMPL.D	280-28201-C-5-B	Sample		1.0000
113		5/2/2012 5:14:32 PM	1146CCV.D	ccv-1394868	6-CCV		1.0000
114		5/2/2012 5:17:32 PM	1156CCB.D	ccb-1394903	6-CCB		1.0000
115		5/2/2012 5:20:30 PM	116SMPL.D	rinse	Sample		1.0000
116		5/2/2012 5:23:28 PM	117SMPL.D	rinse	Sample		1.0000
117		5/2/2012 5:26:27 PM	118SMPL.D	rinse	Sample		1.0000
118		5/2/2012 5:29:26 PM	119SMPL.D	rinse	Sample		1.0000
119		5/2/2012 5:32:25 PM	120SMPL.D	rinse	Sample		1.0000
120		5/2/2012 5:35:23 PM	121CALB.D	icis	CalBlk	1	1.0000
121		5/2/2012 5:38:20 PM	122CALS.D	ic	CalStd	2	1.0000
122		5/2/2012 5:41:20 PM	1236CCV.D	ccv-1394868	6-CCV		1.0000
123		5/2/2012 5:44:19 PM	1246CCB.D	ccb-1394903	6-CCB		1.0000
124		5/2/2012 5:47:18 PM	125SMPL.D	MB 280-117181/1-A	Sample		1.0000
125		5/2/2012 5:50:17 PM	126SMPL.D	LCS 280-117181/2-A	Sample		1.0000
126		5/2/2012 5:53:17 PM	127SMPL.D	LCSD 280-117181/3-A	Sample		1.0000

	Rjct	Acq. Date-Time	Data File	Sample Name	Type	Level	Dilution
127		5/2/2012 5:56:16 PM	128SMPL.D	280-28131-S-1-A	Sample		1.0000
128		5/2/2012 5:59:15 PM	129SMPL.D	280-28131-S-3-A	Sample		1.0000
129		5/2/2012 6:02:14 PM	130SMPL.D	280-28131-S-4-B	Sample		1.0000
130		5/2/2012 6:05:13 PM	131SMPL.D	280-28131-S-4-B sd@5	Sample		1.0000
131		5/2/2012 6:08:12 PM	1326CCV.D	ccv-1394868	6-CCV		1.0000
132		5/2/2012 6:11:10 PM	1336CCB.D	ccb-1394903	6-CCB		1.0000
133		5/2/2012 6:14:08 PM	134SMPL.D	280-28131-S-4-C MS	Sample		1.0000
134		5/2/2012 6:17:08 PM	135SMPL.D	280-28131-S-4-D MSD	Sample		1.0000
135		5/2/2012 6:20:06 PM	136SMPL.D	280-28131-S-4-B pds	Sample		1.0000
136		5/2/2012 6:23:05 PM	137SMPL.D	280-28131-S-5-A	Sample		1.0000
137		5/2/2012 6:26:05 PM	138SMPL.D	280-28131-S-6-A	Sample		1.0000
138		5/2/2012 6:29:05 PM	139SMPL.D	280-28076-R-1-A	Sample		1.0000
139		5/2/2012 6:32:03 PM	1406CCV.D	ccv-1394868	6-CCV		1.0000
140		5/2/2012 6:35:02 PM	1416CCB.D	ccb-1394903	6-CCB		1.0000
141		5/2/2012 6:38:00 PM	142SMPL.D	MB 280-117259/1-A	Sample		1.0000
142		5/2/2012 6:40:59 PM	143SMPL.D	LCS 280-117259/2-A	Sample		1.0000
143		5/2/2012 6:43:57 PM	144SMPL.D	280-28099-E-4-B	Sample		1.0000
144		5/2/2012 6:46:56 PM	145SMPL.D	280-28099-E-5-B	Sample		1.0000
145		5/2/2012 6:49:54 PM	146SMPL.D	280-28099-E-6-D	Sample		1.0000
146		5/2/2012 6:52:52 PM	1476CCV.D	ccv-1394868	6-CCV		1.0000
147		5/2/2012 6:55:50 PM	1486CCB.D	ccb-1394903	6-CCB		1.0000
148		5/2/2012 6:58:49 PM	149SMPL.D	280-28141-F-1-B	Sample		1.0000
149		5/2/2012 7:01:47 PM	150SMPL.D	280-28141-F-1-B sd@5	Sample		1.0000
150		5/2/2012 7:04:46 PM	151SMPL.D	280-28141-F-1-C MS	Sample		1.0000
151		5/2/2012 7:07:46 PM	152SMPL.D	280-28141-F-1-D MSD	Sample		1.0000
152		5/2/2012 7:10:44 PM	153SMPL.D	280-28141-F-1-B pds	Sample		1.0000
153		5/2/2012 7:13:41 PM	1546CCV.D	ccv-1394868	6-CCV		1.0000
154		5/2/2012 7:16:40 PM	1556CCB.D	ccb-1394903	6-CCB		1.0000
155		5/2/2012 7:19:41 PM	156SMPL.D	280-28141-F-2-B	Sample		1.0000
156		5/2/2012 7:22:40 PM	157SMPL.D	280-28141-F-3-B	Sample		1.0000
157		5/2/2012 7:25:39 PM	158SMPL.D	280-28141-F-4-B	Sample		1.0000
158		5/2/2012 7:28:38 PM	159SMPL.D	280-28141-F-5-B	Sample		1.0000
159		5/2/2012 7:31:36 PM	160SMPL.D	280-28141-F-6-B	Sample		1.0000

	Rjct	Acq. Date-Time	Data File	Sample Name	Type	Level	Dilution
160		5/2/2012 7:34:34 PM	161SMPL.D	280-28141-F-7-B	Sample		1.0000
161		5/2/2012 7:37:32 PM	1626CCV.D	ccv-1394868	6-CCV		1.0000
162		5/2/2012 7:40:30 PM	1636CCB.D	ccb-1394903	6-CCB		1.0000
163		5/2/2012 7:43:28 PM	164SMPL.D	MB 280-117691/1-A	Sample		1.0000
164		5/2/2012 7:46:27 PM	165SMPL.D	LCS 280-117691/2-A	Sample		1.0000
165		5/2/2012 7:49:25 PM	166SMPL.D	280-28194-A-9-D	Sample		1.0000
166		5/2/2012 7:52:24 PM	167SMPL.D	280-28194-A-10-C	Sample		1.0000
167		5/2/2012 7:55:23 PM	168SMPL.D	280-28194-A-10-C sd@5	Sample		1.0000
168		5/2/2012 7:58:21 PM	1696CCV.D	ccv-1394868	6-CCV		1.0000
169		5/2/2012 8:01:19 PM	1706CCB.D	ccb-1394903	6-CCB		1.0000
170		5/2/2012 8:04:18 PM	171SMPL.D	280-28194-A-10-D MS	Sample		1.0000
171		5/2/2012 8:07:18 PM	172SMPL.D	280-28194-A-10-E MSD	Sample		1.0000
172		5/2/2012 8:10:18 PM	173SMPL.D	280-28194-A-10-C pds	Sample		1.0000
173		5/2/2012 8:13:16 PM	174SMPL.D	280-28194-A-11-B	Sample		1.0000
174		5/2/2012 8:16:15 PM	175SMPL.D	280-28194-A-12-B	Sample		1.0000
175		5/2/2012 8:19:13 PM	176SMPL.D	280-28194-A-14-B	Sample		1.0000
176		5/2/2012 8:22:11 PM	177SMPL.D	280-28252-I-1-E	Sample		1.0000
177		5/2/2012 8:25:09 PM	178SMPL.D	280-28262-D-1-C	Sample		1.0000
178		5/2/2012 8:28:07 PM	1796CCV.D	ccv-1394868	6-CCV		1.0000
179		5/2/2012 8:31:05 PM	1806CCB.D	ccb-1394903	6-CCB		1.0000
180		5/2/2012 8:34:04 PM	181SMPL.D	280-28293-A-9-A	Sample		1.0000
181		5/2/2012 8:37:04 PM	182SMPL.D	280-28293-A-10-A	Sample		1.0000
182		5/2/2012 8:40:03 PM	183SMPL.D	280-28293-A-11-B	Sample		1.0000
183		5/2/2012 8:43:02 PM	184SMPL.D	280-28293-A-12-B	Sample		1.0000
184		5/2/2012 8:46:01 PM	185SMPL.D	280-28293-A-13-A	Sample		1.0000
185		5/2/2012 8:49:04 PM	186SMPL.D	280-28293-A-14-A	Sample		1.0000
186		5/2/2012 8:52:03 PM	187SMPL.D	280-28293-A-15-A	Sample		1.0000
187		5/2/2012 8:55:02 PM	188SMPL.D	280-28293-E-21-A	Sample		1.0000
188		5/2/2012 8:58:00 PM	1896CCV.D	ccv-1394868	6-CCV		1.0000
189		5/2/2012 9:00:58 PM	1906CCB.D	ccb-1394903	6-CCB		1.0000
190		5/2/2012 9:03:58 PM	191SMPL.D	MB 280-117626/1-B	Sample		1.0000
191		5/2/2012 9:06:58 PM	192SMPL.D	LCS 280-117626/2-B	Sample		1.0000
192		5/2/2012 9:09:58 PM	193SMPL.D	280-28240-G-1-K	Sample		1.0000

	Rjct	Acq. Date-Time	Data File	Sample Name	Type	Level	Dilution
193		5/2/2012 9:12:58 PM	194SMPL.D	280-28240-G-1-K sd@5	Sample		1.0000
194		5/2/2012 9:15:57 PM	195SMPL.D	280-28240-G-1-L MS	Sample		1.0000
195		5/2/2012 9:18:58 PM	196SMPL.D	280-28240-G-1-M MSD	Sample		1.0000
196		5/2/2012 9:22:00 PM	197SMPL.D	280-28240-G-1-K pds	Sample		1.0000
197		5/2/2012 9:24:58 PM	198SMPL.D	280-28240-G-2-H	Sample		1.0000
198		5/2/2012 9:27:58 PM	1996CCV.D	ccv-1394868	6-CCV		1.0000
199		5/2/2012 9:30:57 PM	2006CCB.D	ccb-1394903	6-CCB		1.0000
200		5/2/2012 9:33:56 PM	201SMPL.D	280-28240-G-3-E	Sample		1.0000
201		5/2/2012 9:36:55 PM	202SMPL.D	280-28240-G-4-E	Sample		1.0000
202		5/2/2012 9:39:55 PM	203SMPL.D	280-28240-G-5-E	Sample		1.0000
203		5/2/2012 9:42:54 PM	204SMPL.D	280-28240-G-6-E	Sample		1.0000
204		5/2/2012 9:45:54 PM	205SMPL.D	280-28240-G-7-E	Sample		1.0000
205		5/2/2012 9:48:54 PM	206SMPL.D	280-28240-G-8-E	Sample		1.0000
206		5/2/2012 9:51:55 PM	207SMPL.D	280-28240-G-9-E	Sample		1.0000
207		5/2/2012 9:54:56 PM	208SMPL.D	280-28240-G-10-E	Sample		1.0000
208		5/2/2012 9:57:55 PM	209SMPL.D	280-28240-G-11-E	Sample		1.0000
209		5/2/2012 10:00:54 PM	2106CCV.D	ccv-1394868	6-CCV		1.0000
210		5/2/2012 10:03:54 PM	2116CCB.D	ccb-1394903	6-CCB		1.0000
211		5/2/2012 10:06:53 PM	212SMPL.D	280-28240-G-12-E	Sample		1.0000
212		5/2/2012 10:09:54 PM	213SMPL.D	280-28240-G-13-E	Sample		1.0000
213		5/2/2012 10:12:55 PM	214SMPL.D	280-28240-G-14-E	Sample		1.0000
214		5/2/2012 10:15:54 PM	215SMPL.D	280-28240-G-15-E	Sample		1.0000
215		5/2/2012 10:18:53 PM	216SMPL.D	280-28240-H-16-B	Sample		1.0000
216		5/2/2012 10:21:54 PM	217SMPL.D	280-28240-G-17-E	Sample		1.0000
217		5/2/2012 10:24:54 PM	218SMPL.D	280-28240-G-18-E	Sample		1.0000
218		5/2/2012 10:27:55 PM	219SMPL.D	280-28240-G-19-E	Sample		1.0000
219		5/2/2012 10:30:54 PM	2206CCV.D	ccv-1394868	6-CCV		1.0000
220		5/2/2012 10:33:54 PM	2216CCB.D	ccb-1394903	6-CCB		1.0000
221		5/2/2012 10:36:53 PM	222SMPL.D	rinse	Sample		1.0000
222		5/2/2012 10:39:52 PM	223SMPL.D	rinse	Sample		1.0000
223		5/2/2012 10:42:50 PM	224SMPL.D	rinse	Sample		1.0000
224		5/2/2012 10:45:48 PM	225SMPL.D	rinse	Sample		1.0000
225		5/2/2012 10:48:47 PM	226SMPL.D	rinse	Sample		1.0000

	Rjct	Acq. Date-Time	Data File	Sample Name	Type	Level	Dilution
226		5/2/2012 10:51:45 PM	227CALB.D	icis	CalBlk	1	1.0000
227		5/2/2012 10:54:44 PM	228CALS.D	ic	CalStd	2	1.0000
228		5/2/2012 10:57:41 PM	2296CCV.D	ccv-1394868	6-CCV		1.0000
229		5/2/2012 11:00:39 PM	2306CCB.D	ccb-1394903	6-CCB		1.0000
230		5/2/2012 11:03:40 PM	231SMPL.D	MB 280-117260/1-A	Sample		1.0000
231		5/2/2012 11:06:40 PM	232SMPL.D	LCS 280-117260/2-A	Sample		1.0000
232		5/2/2012 11:09:41 PM	233SMPL.D	280-28165-A-15-B	Sample		1.0000
233		5/2/2012 11:12:39 PM	2346CCV.D	ccv-1394868	6-CCV		1.0000
234		5/2/2012 11:15:37 PM	2356CCB.D	ccb-1394903	6-CCB		1.0000
235		5/2/2012 11:18:37 PM	236SMPL.D	280-28165-G-1-D@2	Sample		1.0000
236		5/2/2012 11:21:38 PM	237SMPL.D	280-28165-G-2-B@2	Sample		1.0000
237		5/2/2012 11:24:38 PM	238SMPL.D	280-28165-G-3-B@2	Sample		1.0000
238		5/2/2012 11:27:41 PM	239SMPL.D	280-28165-G-4-B@2	Sample		1.0000
239		5/2/2012 11:30:42 PM	240SMPL.D	280-28165-G-5-B@2	Sample		1.0000
240		5/2/2012 11:33:40 PM	2416CCV.D	ccv-1394868	6-CCV		1.0000
241		5/2/2012 11:36:37 PM	2426CCB.D	ccb-1394903	6-CCB		1.0000
242		5/2/2012 11:39:36 PM	243SMPL.D	280-28165-G-6-B@2	Sample		1.0000
243		5/2/2012 11:42:37 PM	244SMPL.D	280-28165-G-7-B@2	Sample		1.0000
244		5/2/2012 11:45:37 PM	245SMPL.D	280-28165-G-8-B@2	Sample		1.0000
245		5/2/2012 11:48:39 PM	246SMPL.D	280-28165-G-9-B@2	Sample		1.0000
246		5/2/2012 11:51:36 PM	2476CCV.D	ccv-1394868	6-CCV		1.0000
247		5/2/2012 11:54:35 PM	2486CCB.D	ccb-1394903	6-CCB		1.0000
248		5/2/2012 11:57:35 PM	249SMPL.D	280-28165-G-10-B@2	Sample		1.0000
249		5/3/2012 12:00:37 AM	250SMPL.D	280-28165-G-11-B@2	Sample		1.0000
250		5/3/2012 12:03:38 AM	251SMPL.D	280-28165-G-12-B@2	Sample		1.0000
251		5/3/2012 12:06:39 AM	252SMPL.D	280-28165-G-13-B@2	Sample		1.0000
252		5/3/2012 12:09:40 AM	253SMPL.D	280-28165-G-13-B sd@10	Sample		1.0000
253		5/3/2012 12:12:38 AM	2546CCV.D	ccv-1394868	6-CCV		1.0000
254		5/3/2012 12:15:37 AM	2556CCB.D	ccb-1394903	6-CCB		1.0000
255		5/3/2012 12:18:38 AM	256SMPL.D	280-28165-G-13-C MS@2	Sample		1.0000
256		5/3/2012 12:21:39 AM	257SMPL.D	280-28165-G-13-D MSD@2	Sample		1.0000
257		5/3/2012 12:24:40 AM	258SMPL.D	280-28165-G-13-B pds@2	Sample		1.0000
258		5/3/2012 12:27:41 AM	259SMPL.D	280-28165-G-14-B@2	Sample		1.0000

	Rjct	Acq. Date-Time	Data File	Sample Name	Type	Level	Dilution
259		5/3/2012 12:30:39 AM	2606CCV.D	ccv-1394868	6-CCV		1.0000
260		5/3/2012 12:33:36 AM	2616CCB.D	ccb-1394903	6-CCB		1.0000
261		5/3/2012 12:36:35 AM	262SMPL.D	rinse	Sample		1.0000
262		5/3/2012 12:39:33 AM	263SMPL.D	rinse	Sample		1.0000
263		5/3/2012 12:42:31 AM	264SMPL.D	rinse	Sample		1.0000
264		5/3/2012 12:45:32 AM	265SMPL.D	rinse	Sample		1.0000
265		5/3/2012 12:48:31 AM	266SMPL.D	rinse	Sample		1.0000
266		5/3/2012 12:51:30 AM	267CALB.D	icis	CalBlk	1	1.0000
267		5/3/2012 12:54:31 AM	268CALS.D	ic	CalStd	2	1.0000
268		5/3/2012 12:57:28 AM	2696CCV.D	ccv-1394868	6-CCV		1.0000
269		5/3/2012 1:00:27 AM	2706CCB.D	ccb-1394903	6-CCB		1.0000
270		5/3/2012 1:03:25 AM	271SMPL.D	280-28063-B-14-B@5	Sample		1.0000
271		5/3/2012 1:06:23 AM	272SMPL.D	280-28063-E-16-B@5	Sample		1.0000
272		5/3/2012 1:09:24 AM	2736CCV.D	ccv-1394868	6-CCV		1.0000
273		5/3/2012 1:12:23 AM	2746CCB.D	ccb-1394903	6-CCB		1.0000
274		5/3/2012 1:15:20 AM	275SMPL.D	280-28286-B-6-B@10	Sample		1.0000
275		5/3/2012 1:18:18 AM	2766CCV.D	ccv-1394868	6-CCV		1.0000
276		5/3/2012 1:21:17 AM	2776CCB.D	ccb-1394903	6-CCB		1.0000
277		5/3/2012 1:24:16 AM	278SMPL.D	280-28117-E-13-B@10	Sample		1.0000
278		5/3/2012 1:27:17 AM	279SMPL.D	280-28117-E-13-Bsd@50	Sample		1.0000
279		5/3/2012 1:30:16 AM	280SMPL.D	280-28117-E-13-C MS@10	Sample		1.0000
280		5/3/2012 1:33:14 AM	281SMPL.D	280-28117-E-13-D MSD@10	Sample		1.0000
281		5/3/2012 1:36:15 AM	282SMPL.D	280-28117-E-13-Bpds@10	Sample		1.0000
282		5/3/2012 1:39:13 AM	2836CCV.D	ccv-1394868	6-CCV		1.0000
283		5/3/2012 1:42:12 AM	2846CCB.D	ccb-1394903	6-CCB		1.0000

Analyte Table

		9 Be [1]		23 Na [2]		24 Mg [2]		27 Al [2]		39 K [2]	
	Sample Name	Conc. [ppb]	CPS	Conc. [ppb]	CPS	Conc. [ppb]	CPS	Conc. [ppb]	CPS	Conc. [ppb]	CPS
1	rinse-1394889		6.67		5481.25		120.02		13.33		1946.93
2	icis	0.000	0.00	0.000	5808.12	0.000	133.35	0.000	33.33	0.000	1920.29
3	cal-1394861	100.000	44065.99	10000.000	1918269.97	10000.000	774742.72	10000.000	142109.19	10000.000	337463.87
4	icv-1394869	40.501	18128.83	3816.843	737860.77	3912.903	304078.25	3965.841	56542.29	3839.102	131128.21
5	icb-1394903	0.011	5.00	-1.879	5507.92	-0.278	113.34	-0.501	26.67	5.531	2126.96
6	icvl-1394870	1.011	455.01	46.185	14707.00	49.922	4000.75	29.074	446.71	104.688	5454.58
7	cri-1394886	1.051	456.68	105.591	26106.83	105.123	8289.18	110.579	1606.89	103.217	5414.62
8	cri-1394887	0.252	108.33	21.014	9943.45	19.163	1626.85	15.391	253.36	26.529	2847.14
9	icsa-1391205	0.036	15.00	91903.431	17412342.24	93017.118	7136501.77	98954.404	1392703.68	94014.133	3126462.77
10	ICSAB-1372208	100.132	42039.78	105106.415	19867851.37	105746.509	8094360.09	110279.715	1548418.62	105924.749	3513774.01
11	Carryover Check	0.078	36.67	31.834	12325.21	26.846	2273.70	33.238	520.05	25.349	2880.50
12	lra-1305595	2000.588	839215.17	16.998	8175.82	4.785	453.38	9.135	146.68	7.229	1960.33
13	rinse	0.719	305.01	2.661	5888.07	1.523	233.36	2.211	60.00	8.252	2046.97
14	ccv-1394868	50.094	21170.31	4848.583	863651.50	4894.310	350933.48	4862.369	63952.92	4873.730	153119.86
15	ccb-1394903	0.092	40.00	2.829	5921.48	2.545	306.69	2.206	60.00	5.615	1966.91
16	ccvl-1394870	0.931	416.68	55.024	15621.21	46.653	3567.31	25.650	380.05	116.604	5574.65
17	280-28063-B-1...	0.039	15.00	1257708.840	2.45588E+08	30655.020	2424562.72	14.608	246.69	4388.512	152339.71
18	280-28063-B-1...	0.037	16.67	873880.441	1.84742E+08	23693.365	2028775.80	109.398	1753.58	3589.653	135271.64
19	280-28063-B-1...	0.044	20.00	954423.337	2.03994E+08	32895.090	2847862.98	23.669	413.39	3864.920	147110.34
20	280-28063-B-1...	0.021	11.67	422.779	103408.57	7.128	820.09	-2.375	0.00	9.540	2700.45
21	280-28063-B-1...	0.032	16.67	251.520	62687.67	3.515	473.39	2.465	80.01	-2.141	2173.67
22	280-28063-E-1...	0.020	6.67	4114174.548	8.01451E+08	62116.987	4900777.01	110.371	1633.52	8176.971	281569.04
23	280-28063-E-1...	0.023	11.67	1322225.860	3.10229E+08	17959.007	1706758.00	1.828	73.34	5719.075	237803.46
24	ccv-1394868	46.387	30292.69	5937.030	1522222.69	5040.469	520926.21	5032.470	95407.24	4952.423	224187.03
25	ccb-1394903	0.032	20.00	534.535	140427.22	2.959	473.38	-1.288	20.00	2.611	2640.40
26	ccv-1394868	48.091	27929.03	5309.188	1284591.73	4921.098	479690.05	5168.316	92419.27	4901.626	209335.46
27	ccv-1394868	48.973	26929.21	5196.570	1225116.18	4917.064	466854.11	5041.269	87803.93	4818.382	200481.97
28	ccb-1394903	0.015	8.33	175.474	47015.46	0.706	226.68	-1.185	20.00	-1.640	2253.65
29		0.006	3.33	127.366	34634.36	0.657	213.35	-1.557	13.33	-4.154	2066.98
30	rinse	0.010	5.00	109.810	29371.85	0.618	200.02	1.032	53.34	-2.112	2046.97
31	rinse	0.014	6.67	96.562	26707.87	1.234	253.36	-1.089	20.00	-3.802	1993.62

Analyte Table

		9 Be [1]		23 Na [2]		24 Mg [2]		27 Al [2]		39 K [2]	
	Sample Name	Conc. [ppb]	CPS	Conc. [ppb]	CPS	Conc. [ppb]	CPS	Conc. [ppb]	CPS	Conc. [ppb]	CPS
32	ccv-1394868	50.047	22822.23	4894.341	1001036.49	4941.815	406984.71	5090.871	76914.42	4891.927	176520.91
33	ccb-1394903	0.033	15.00	79.768	21967.93	0.645	193.35	3.908	93.34	2.751	2120.32
34	280-28063-B-1...	0.009	3.33	1154539.555	2.33845E+08	28165.351	2310923.25	19.924	333.37	3907.897	140985.07
35	280-28063-B-1...	0.016	6.67	905855.735	1.86156E+08	24405.214	2031484.29	94.063	1473.52	3572.600	130912.04
36	280-28063-B-1...	0.027	11.67	993414.313	2.07773E+08	34029.265	2882842.56	26.822	453.37	3995.767	148738.29
37	ccv-1394868	48.605	25811.01	5631.347	1234050.73	5130.519	453081.93	5150.958	83448.91	4878.801	188771.61
38	ccb-1394903	0.016	8.33	232.443	56722.77	2.833	400.05	1.779	66.67	-2.556	2093.63
39	280-28286-B-6...	0.078	21.67	7389997.299	1.35303E+09	360945.337	26764641.27	1138.363	15514.64	24498.676	788944.73
40	280-28286-B-7...	0.019	10.00	1760111.129	4.44708E+08	42791.945	4379872.85	74.079	1433.51	6527.357	291940.58
41	280-28286-B-8...	0.007	5.00	1680.275	529726.23	24.559	3300.61	0.270	60.01	-8.685	2673.75
42	280-28063-B-1...	0.000	0.00	928.850	291208.92	9.746	1406.85	-0.016	53.34	-12.073	2440.38
43	280-28063-E-1...	0.003	1.67	1560155.585	3.81861E+08	20758.397	2057770.44	0.516	53.34	6493.022	281294.51
44	ccv-1394868	46.429	32265.86	5906.895	1679788.72	5153.482	590437.71	5145.332	108175.63	4838.303	242918.88
45	ccb-1394903	0.014	10.00	421.000	124190.79	3.390	573.39	-1.088	26.67	-1.614	2720.45
46	ccv-1394868	49.164	31753.29	5931.700	1545545.81	5722.905	600732.96	5668.728	109116.24	5421.899	249156.06
47	ccv-1394868	47.439	30209.24	5320.782	1469274.67	4984.550	554456.35	5098.710	104099.77	4826.143	235174.76
48	ccb-1394903	0.015	10.00	164.512	52536.47	2.901	506.72	-0.045	46.67	-12.741	2133.65
49	rinse	0.000	0.00	133.393	43038.67	0.137	200.02	-0.665	33.33	-18.646	1806.95
50	rinse	0.011	6.67	112.455	36732.14	1.848	373.37	-0.273	40.00	-12.309	2053.64
51	rinse	0.000	0.00	95.896	31722.24	-0.103	166.68	-1.301	20.00	-11.745	2033.62
52	rinse	0.012	6.67	99.071	31943.03	2.227	393.37	-1.273	20.00	-18.450	1706.89
53	rinse	0.000	0.00	75.237	25592.34	0.847	253.36	2.113	80.01	-11.476	1966.93
54	icis	0.000	5.00	0.000	23883.55	0.000	273.36	0.000	20.00	0.000	1853.57
55	ic	100.000	46060.65	10000.000	2334059.08	10000.000	940584.60	10000.000	174356.19	10000.000	398149.29
56	ccv-1394868	49.688	22480.09	4894.746	1118066.29	4907.655	447110.89	4955.657	83670.81	4961.945	192199.44
57	ccb-1394903	0.005	6.67	-25.397	16375.03	-0.650	193.35	0.519	26.67	-1.177	1653.55
58	280-28063-B-1...	0.017	11.67	10.948	23356.50	3.365	526.73	0.158	20.00	0.145	1640.23
59	280-28063-E-1...	0.003	5.00	987288.787	1.97225E+08	13184.212	1071332.87	0.666	26.67	4207.894	145760.28
60	280-28286-B-7...	0.007	6.67	1435462.791	3.10684E+08	34776.611	3063065.47	48.299	806.75	5468.803	204711.01
61	280-28286-B-8...	-0.008	1.67	482.113	141765.02	7.464	1020.14	-0.032	20.00	-3.868	1746.89
62	ccv-1394868	48.410	24939.86	5199.497	1261501.26	4981.438	482707.00	4985.143	89531.82	4962.686	204452.28

Analyte Table

		9 Be [1]		23 Na [2]		24 Mg [2]		27 Al [2]		39 K [2]	
	Sample Name	Conc. [ppb]	CPS	Conc. [ppb]	CPS	Conc. [ppb]	CPS	Conc. [ppb]	CPS	Conc. [ppb]	CPS
63	ccb-1394903	0.016	13.33	68.923	40165.35	0.826	353.36	1.878	53.34	-2.314	1760.25
64	280-28283-A-8-B	0.061	31.67	24593.368	5826402.83	3600.699	345877.44	467.289	8336.17	1322.624	55413.28
65	280-28283-A-9-B	0.290	136.67	9743.391	2311968.09	634.989	60736.53	949.459	16810.59	1165.881	48827.83
66	280-28283-A-1...	0.332	148.34	7759.708	1780557.58	886.618	81983.59	126.226	2173.63	1494.470	59840.01
67	280-28283-A-1...	0.054	26.67	6442.753	1442015.24	528.753	47670.70	30.966	533.39	1521.760	59251.58
68	ccv-1394868	50.549	21066.85	4917.148	1083609.46	4996.885	439287.62	4955.299	80744.55	4929.171	184251.91
69	ccb-1394903	0.030	16.67	-36.492	13479.09	-0.258	220.02	-0.690	6.67	-10.276	1266.81
70	280-28286-B-1-B	0.018	8.33	3165428.071	6.00952E+08	95091.528	7346708.23	40.433	593.39	13368.150	436794.53
71	280-28286-B-2-B	0.012	10.00	556240.812	1.32297E+08	42605.159	4122513.90	125.511	2273.66	18830.274	769884.86
72	280-28286-B-3-B	0.018	11.67	1878665.606	4.45757E+08	50003.499	4825396.70	62.279	1133.49	11275.665	460844.04
73	280-28286-B-4-B	0.038	18.33	5367730.353	1.19758E+09	163894.226	14878048.11	87.721	1493.51	19791.784	759244.26
74	ccv-1394868	47.965	36247.90	6881.306	2264346.32	5284.866	697854.88	5139.419	125764.37	5096.384	285966.32
75	ccv-1394868	50.071	35942.48	5844.672	1931870.02	5170.752	684142.98	5097.487	124997.00	5016.573	282100.49
76	ccv-1394868	49.630	34614.98	5613.223	1811731.90	5179.747	668742.33	5116.655	122470.59	5039.662	276558.14
77	ccb-1394903	0.014	16.67	297.770	122876.57	3.547	806.77	1.215	53.34	3.019	2587.05
78	rinse	-0.003	5.00	204.007	93556.79	2.164	626.74	0.037	26.67	-3.920	2200.30
79	rinse	0.018	18.33	138.563	71392.08	0.329	386.71	-0.247	20.00	-2.819	2193.66
80	rinse	0.003	8.33	102.468	58641.98	0.623	406.71	0.107	26.67	-3.653	2080.28
81	rinse	-0.005	3.33	56.446	45003.63	-0.781	240.02	0.426	33.33	0.489	2267.02
82	icis	0.000	0.00	0.000	38749.53	0.000	400.04	0.000	53.34	0.000	2053.64
83	ic	100.000	50274.40	10000.000	2763822.77	10000.000	1116168.29	10000.000	206103.10	10000.000	459831.43
84	ccv-1394868	52.515	25612.48	4989.203	1375023.42	4869.170	535025.29	4899.806	99399.64	4961.664	225486.27
85	ccb-1394903	0.029	13.33	-39.775	24370.83	-0.668	286.69	0.293	53.34	0.748	1866.92
86	280-28286-B-2-B	0.018	6.67	528818.178	1.25820E+08	39933.852	3886561.71	117.451	2153.63	18608.908	744871.76
87	280-28286-B-3-B	0.000	0.00	1821988.087	4.04171E+08	47853.341	4342875.87	65.959	1146.80	10969.520	410088.30
88	280-28286-B-5-B	0.051	10.00	1.61899E+07	2.44298E+09	892561.302	55100405.85	1012.971	11578.00	58564.876	1485550.03
89	280-28286-B-1...	0.051	26.67	1609326.025	5.16368E+08	47867.136	6283244.91	22.131	593.40	6646.819	360472.65
90	280-28286-B-4...	0.008	5.00	1147429.552	3.82957E+08	35968.469	4911721.28	22.420	626.77	4167.880	235914.83
91	ccv-1394868	47.538	36887.57	7240.729	2657762.88	4981.587	734987.99	4785.320	130337.67	5001.865	305221.26
92	ccb-1394903	0.009	6.67	1341.414	540616.84	7.958	1700.24	-0.320	60.00	8.627	3133.93
93	rinse	0.009	6.67	905.389	383270.27	4.644	1213.47	-0.282	60.01	3.706	2853.84

Analyte Table

		9 Be [1]		23 Na [2]		24 Mg [2]		27 Al [2]		39 K [2]	
	Sample Name	Conc. [ppb]	CPS	Conc. [ppb]	CPS	Conc. [ppb]	CPS	Conc. [ppb]	CPS	Conc. [ppb]	CPS
94	rinse	0.007	5.00	604.737	272092.11	3.963	1106.80	-2.441	0.00	5.092	2933.81
95	rinse	0.014	10.00	446.465	208602.10	3.689	1040.11	-0.724	46.67	0.443	2580.38
96	rinse	0.007	5.00	339.781	166413.91	2.734	880.10	-0.175	60.01	7.421	2933.83
97	icis	0.000	5.00	0.000	135819.28	0.000	833.42	0.000	93.34	0.000	2573.75
98	ic	100.000	65023.56	10000.000	3394611.09	10000.000	1366250.81	10000.000	240315.47	10000.000	557367.94
99	ccv-1394868	50.923	33100.57	5170.133	1791889.35	4933.899	664891.08	4960.911	117520.33	5065.812	279532.23
100	ccb-1394903	0.011	11.67	-115.190	86971.87	-0.873	640.07	-1.642	46.67	10.278	2840.52
101	280-28286-B-2-B	0.035	21.67	549515.719	1.59779E+08	39016.789	4742550.14	120.528	2653.76	18576.711	919922.44
102	280-28286-B-3-B	0.058	30.00	1893680.108	4.91207E+08	47610.453	5165470.44	63.861	1286.87	11222.714	496827.58
103	280-28286-B-1...	0.015	11.67	1511655.182	4.29319E+08	43552.891	5173309.92	18.547	466.71	6057.734	294468.98
104	280-28286-B-4...	0.004	6.67	719753.091	2.30424E+08	22211.025	2973631.00	5.607	220.02	2585.071	143000.47
105	ccv-1394868	52.131	36546.80	5530.155	2008683.04	5078.214	720847.38	5076.136	126711.28	5065.283	294519.67
106	ccb-1394903	0.011	13.33	-9.329	130011.24	-0.545	740.07	-1.585	53.34	0.266	2533.74
107	280-28286-B-5...	0.000	3.33	1675324.789	4.58008E+08	94407.100	10793652.34	177.339	3641.00	5318.536	249161.66
108	280-28201-C-1-B	-0.002	3.33	396.477	256205.50	21.325	3667.39	-2.337	33.33	-4.252	2193.64
109	280-28201-C-2-B	-0.002	3.33	3945.066	1385715.03	2885.589	385891.10	17.545	500.06	1484.905	82943.49
110	280-28201-C-3-B	0.011	10.00	37262.525	10843062.34	12159.644	1465226.54	56.525	1280.22	16860.405	827297.83
111	280-28201-C-4-B	0.008	8.33	12421.315	3663025.36	4270.604	511180.72	6.710	220.03	11933.152	581744.80
112	280-28201-C-5-B	0.022	16.67	13787.918	4316258.17	3957.493	504048.30	4.103	173.35	6486.965	337928.89
113	ccv-1394868	50.419	29372.80	4940.033	1564768.78	4853.511	595847.14	4943.853	106734.28	4963.762	249555.61
114	ccb-1394903	0.039	26.67	-199.026	56557.11	1.736	900.10	-2.798	20.00	1.497	2213.65
115	rinse	0.002	5.00	-223.448	49435.07	-0.431	640.08	-0.865	60.00	1.919	2226.98
116	rinse	-0.007	0.00	-252.914	40479.38	-2.061	440.04	-1.477	46.67	2.459	2220.32
117	rinse	0.002	5.00	-250.199	40674.07	-1.897	453.37	-2.107	33.33	-2.278	1966.94
118	rinse	0.005	6.67	-256.573	38328.46	-0.014	660.06	-0.763	60.01	-1.163	1986.98
119	rinse	-0.004	1.67	-253.618	38416.20	-1.703	460.04	-3.073	13.33	4.326	2200.32
120	icis	0.000	3.33	0.000	30707.33	0.000	306.70	0.000	26.67	0.000	1873.61
121	ic	100.000	45537.73	10000.000	2554750.74	10000.000	1026664.85	10000.000	189859.54	10000.000	434437.18
122	ccv-1394868	52.745	23876.91	5075.497	1294536.67	4992.194	506004.94	4881.007	91487.19	4985.087	214667.21
123	ccb-1394903	0.001	3.33	-15.887	25305.57	1.885	480.05	1.159	46.67	-3.387	1640.24
124	MB 280-117181...	0.005	5.00	-36.219	20105.60	2.071	493.39	5.194	120.01	0.996	1806.94

Analyte Table

		9 Be [1]		23 Na [2]		24 Mg [2]		27 Al [2]		39 K [2]	
	Sample Name	Conc. [ppb]	CPS	Conc. [ppb]	CPS	Conc. [ppb]	CPS	Conc. [ppb]	CPS	Conc. [ppb]	CPS
125	LCS 280-11718...	36.030	14447.35	-40.807	18810.72	1.025	386.70	0.844	40.00	-2.901	1626.87
126	LCSD 280-1171...	38.681	14829.36	-39.547	18817.89	0.260	306.70	0.879	40.00	-2.143	1633.57
127	280-28131-S-1-A	0.035	15.00	257268.918	59483720.78	172.028	16435.16	122.584	2153.66	12024.069	477778.53
128	280-28131-S-3-A	0.002	3.33	257024.702	60939009.09	156.382	15347.62	160.779	2887.13	14268.146	581058.53
129	280-28131-S-4-B	0.018	10.00	253062.401	60617200.76	170.749	16902.45	155.304	2820.48	13955.652	574218.62
130	280-28131-S-4-...	-0.003	1.67	50973.089	12298866.07	30.197	3240.56	29.611	560.06	2803.195	117348.07
131	ccv-1394868	51.272	22194.84	5182.508	1235327.22	5036.022	477309.88	4912.361	86081.64	5005.917	201556.26
132	ccb-1394903	0.009	6.67	-24.272	20873.16	0.490	306.69	1.870	53.34	1.529	1653.57
133	280-28131-S-4-...	36.431	12744.46	244200.903	54513450.86	148.388	13719.58	144.977	2453.70	13337.368	511590.91
134	280-28131-S-4-...	35.767	13219.77	257584.985	56618635.82	155.437	14146.64	156.527	2607.11	14033.245	529809.55
135	280-28131-S-4-...	183.631	68406.76	250234.579	55535379.17	153.398	14093.12	157.744	2653.74	13689.740	521872.24
136	280-28131-S-5-A	0.079	35.00	42.466	37012.80	2.088	466.71	-0.993	6.67	0.289	1673.54
137	280-28131-S-6-A	0.032	15.00	-12.950	23957.03	2.599	506.72	1.771	53.34	-5.721	1420.20
138	280-28076-R-1-A	0.018	8.33	379125.539	80772332.13	215.319	18891.07	1121.618	17983.47	14609.617	534703.99
139	ccv-1394868	51.516	21360.55	5014.609	1168359.59	4872.647	451155.49	4869.390	83341.64	4925.216	193714.11
140	ccb-1394903	0.006	5.00	-20.625	20946.70	0.542	300.03	-0.537	13.33	0.018	1546.87
141	MB 280-117259...	-0.007	0.00	-27.784	18944.52	1.656	386.71	3.756	80.01	-0.613	1486.86
142	LCS 280-11725...	39.520	13383.28	-54.837	12832.07	1.008	320.03	2.171	53.34	-3.657	1326.84
143	280-28099-E-4-B	0.013	6.67	10577.843	2121957.89	3225.723	260357.84	0.859	33.34	6242.483	213597.02
144	280-28099-E-5-B	0.014	6.67	5586.221	1120580.87	2961.312	236689.98	4.956	93.34	3133.603	106885.38
145	280-28099-E-6-D	-0.002	1.67	6128.864	1201305.74	4489.288	351100.98	0.474	26.67	1278.605	43521.22
146	ccv-1394868	51.183	16922.81	4890.373	955347.22	4982.784	386511.39	5019.447	71988.76	4858.362	160131.25
147	ccb-1394903	0.013	6.67	-68.590	9269.69	0.108	226.69	3.935	73.34	-3.124	1240.17
148	280-28141-F-1-B	-0.001	1.67	26997.205	4850861.28	5733.232	417136.45	2.107	46.67	3234.154	100429.41
149	280-28141-F-1-...	0.020	8.33	5409.169	992470.12	1192.270	87226.97	-0.386	13.33	659.884	21601.02
150	280-28141-F-1-...	40.378	11293.53	27021.179	4728595.24	5709.881	404623.95	2.685	53.34	3294.739	99610.11
151	280-28141-F-1-...	39.244	11101.75	26723.091	4696504.41	5651.188	402152.41	1.164	33.33	3280.742	99625.41
152	280-28141-F-1-...	163.632	45678.10	25997.524	4471601.19	5535.952	385532.47	3.278	60.01	3251.626	96624.55
153	ccv-1394868	53.473	15556.61	4856.550	850533.11	4998.159	347519.84	5089.195	65425.03	4892.420	144530.41
154	ccb-1394903	0.015	6.67	-72.318	7889.09	-0.695	153.35	1.791	40.00	-10.393	926.78
155	280-28141-F-2-B	0.012	5.00	29357.203	4907166.07	7878.764	533131.62	2.400	46.67	10604.145	303541.46

Analyte Table

		9 Be [1]		23 Na [2]		24 Mg [2]		27 Al [2]		39 K [2]	
	Sample Name	Conc. [ppb]	CPS	Conc. [ppb]	CPS	Conc. [ppb]	CPS	Conc. [ppb]	CPS	Conc. [ppb]	CPS
156	280-28141-F-3-B	-0.001	1.67	8346.095	1412208.21	9406.090	638056.25	1.292	33.34	2329.596	67801.04
157	280-28141-F-4-B	0.005	3.33	22150.273	3741803.59	6752.871	461430.52	2.843	53.34	6918.778	200376.74
158	280-28141-F-5-B	-0.007	0.00	97.433	35462.54	3.079	400.04	3.515	60.01	6.050	1360.18
159	280-28141-F-6-B	0.018	6.67	34238.034	5757264.50	9563.537	651645.41	8.677	126.68	18274.213	525868.60
160	280-28141-F-7-B	-0.001	1.67	20491.838	3454402.66	6264.646	426994.86	0.216	20.00	4901.512	141959.28
161	ccv-1394868	51.660	14412.30	4813.768	806952.33	4990.104	332031.56	5057.116	62213.52	4803.390	135814.60
162	ccb-1394903	0.035	11.67	-82.937	5801.28	0.122	200.02	-0.266	13.33	-3.997	1060.13
163	MB 280-117691...	-0.007	0.00	-89.585	4607.60	-1.143	113.35	-0.243	13.33	-11.363	833.42
164	LCS 280-11769...	37.096	9337.43	-88.952	4647.65	0.461	213.35	0.346	20.00	-4.727	1000.12
165	280-28194-A-9-D	0.264	66.67	10571.978	1654501.23	1046.242	66006.46	179.563	2106.98	1358.580	37140.08
166	280-28194-A-1...	0.589	143.34	6595.557	1032873.29	1321.507	82813.78	3309.227	38281.89	1171.398	31989.74
167	280-28194-A-1...	0.107	28.33	1276.366	216501.58	265.465	16929.15	643.340	7522.06	239.837	7502.18
168	ccv-1394868	51.632	13001.26	4802.550	757105.09	4921.055	307914.58	4939.688	57144.25	4857.272	129127.05
169	ccb-1394903	0.025	8.33	-87.308	4834.38	-1.421	93.34	-1.372	0.00	-9.541	860.08
170	280-28194-A-1...	41.273	9609.26	6612.181	1012833.16	1327.220	81360.44	3476.216	39337.47	1195.573	31916.64
171	280-28194-A-1...	38.783	9240.73	6631.883	1013149.31	1308.943	80040.99	3325.496	37540.51	1145.495	30540.70
172	280-28194-A-1...	199.429	47058.11	6523.303	985921.55	1299.998	78615.17	3207.582	35810.57	1191.087	31369.03
173	280-28194-A-1...	0.414	100.00	5041.507	762705.45	706.541	42637.62	805.488	8976.37	710.430	19064.82
174	280-28194-A-1...	0.262	63.33	10670.702	1632512.16	1064.946	65672.00	230.120	2633.81	1401.079	37413.79
175	280-28194-A-1...	0.022	6.67	254.730	55866.29	8.279	680.06	9.922	126.68	3.160	1166.80
176	280-28252-I-1-E	0.007	3.33	51127.121	7590320.93	2881.983	173686.19	4.017	60.01	1419.868	37106.92
177	280-28262-D-1-C	0.014	5.00	13942.926	2041133.36	2606.793	154024.14	245.842	2701.07	5200.199	130367.46
178	ccv-1394868	52.877	13313.18	4789.732	736483.45	4994.794	304804.30	4866.409	54930.94	4855.829	125956.10
179	ccb-1394903	0.039	11.67	-88.773	4314.21	-0.889	120.01	3.072	46.67	-11.045	766.75
180	280-28293-A-9-A	0.000	1.67	-54.793	9443.10	-0.475	146.68	-0.165	13.33	-9.040	840.09
181	280-28293-A-1...	0.000	1.67	379.961	73446.88	21.243	1446.85	1.645	33.34	0.956	1093.46
182	280-28293-A-1...	0.065	13.33	2937534.804	4.16828E+08	83732.398	4830066.70	1520.399	16255.23	16451.362	400989.19
183	280-28293-A-1...	0.045	13.33	2248774.089	3.83139E+08	262322.312	18168273.06	463.359	5961.68	21885.254	640182.66
184	280-28293-A-1...	0.013	5.00	4046809.655	7.26190E+08	56779.146	4141366.40	655.517	8863.20	14619.130	450761.01
185	280-28293-A-1...	0.007	6.67	1841.442	469253.32	23.390	2560.44	0.477	33.34	-3.973	1573.53
186	280-28293-A-1...	-0.007	0.00	1067.608	283471.83	48.967	5041.14	4.203	100.01	1.439	1793.57

Analyte Table

		9 Be [1]		23 Na [2]		24 Mg [2]		27 Al [2]		39 K [2]	
	Sample Name	Conc. [ppb]	CPS	Conc. [ppb]	CPS	Conc. [ppb]	CPS	Conc. [ppb]	CPS	Conc. [ppb]	CPS
187	280-28293-E-2...	0.009	6.67	418.633	125172.12	4.815	733.42	0.160	26.67	-4.259	1520.20
188	ccv-1394868	52.086	21974.58	5405.805	1259468.86	5030.953	466510.88	5096.487	87387.53	5061.009	199318.65
189	ccb-1394903	0.001	3.33	212.056	73862.31	2.368	480.04	2.201	60.01	1.059	1660.23
190	MB 280-117626...	-0.007	0.00	108.511	49661.69	3.325	553.39	0.640	33.34	-3.514	1453.51
191	LCS 280-11762...	37.787	14072.07	52.465	36544.73	0.082	260.02	0.708	33.33	3.441	1673.55
192	280-28240-G-1-K	0.073	26.67	29129.231	6038480.74	23918.251	2007532.94	4.640	93.34	784.970	29265.18
193	280-28240-G-1-...	0.002	3.33	5999.335	1267859.56	4774.986	402485.36	-0.521	13.33	145.886	6681.76
194	280-28240-G-1-...	37.493	11847.26	28112.335	5617921.17	23271.663	1882570.86	3.967	80.00	770.951	27729.48
195	280-28240-G-...	38.497	11617.04	28209.802	5514541.17	23669.852	1873242.26	1.362	40.00	763.261	26868.03
196	280-28240-G-1-...	196.100	57975.99	28019.143	5351327.42	23722.648	1834084.24	3.795	73.34	733.521	25278.89
197	280-28240-G-2-H	0.265	71.67	106119.281	19313431.80	84788.395	6266073.45	26.866	386.71	4544.293	142858.94
198	ccv-1394868	54.309	16619.11	4881.517	921877.57	5017.768	376264.63	5115.448	70924.79	5000.046	159284.46
199	ccb-1394903	-0.002	1.67	-25.641	16715.54	8.986	866.76	0.135	20.00	-6.841	1093.46
200	280-28240-G-3-E	0.024	8.33	29842.565	5300197.21	36587.750	2631063.87	1.126	33.34	5463.520	166855.99
201	280-28240-G-4-E	0.000	1.67	126018.497	21263735.52	125974.729	8633063.62	1.276	33.34	9200.799	266952.40
202	280-28240-G-5-E	0.007	3.33	34489.717	5961912.41	38466.386	2693544.75	-0.322	13.33	3244.698	97017.95
203	280-28240-G-6-E	0.000	1.67	92601.389	15472761.85	56023.043	3800542.55	-1.372	0.00	8782.893	252339.14
204	280-28240-G-7-E	0.013	5.00	46850.359	7948146.55	36562.033	2515446.42	-0.844	6.67	8192.144	238754.26
205	280-28240-G-8-E	0.000	1.67	37232.676	6226308.03	46886.706	3177094.02	5.003	80.01	8894.419	255261.95
206	280-28240-G-9-E	0.007	3.33	63953.451	10379830.05	70109.796	4616926.28	3.522	60.01	7657.986	213696.55
207	280-28240-G-1...	0.014	5.00	48008.524	7670770.93	39218.849	2541172.72	1.972	40.00	3802.120	104981.02
208	280-28240-G-1...	-0.007	0.00	20571.085	3350923.28	26216.871	1726036.69	0.816	26.67	6472.479	180785.91
209	ccv-1394868	53.613	13658.45	4679.265	774339.47	4887.306	320817.01	5198.275	63089.77	5000.834	139446.21
210	ccb-1394903	0.013	5.00	-57.683	9769.93	4.893	506.72	-0.819	6.67	1.549	1200.15
211	280-28240-G-1...	0.039	10.00	26844.459	3902975.15	37287.364	2191711.53	1.005	26.67	8052.547	200941.63
212	280-28240-G-1...	0.008	3.33	-23.443	14540.13	7.532	646.73	2.107	40.00	-1.489	1066.80
213	280-28240-G-1...	0.001	1.67	84302.416	12347762.73	41255.618	2452898.19	5.371	73.34	1174.638	30507.08
214	280-28240-G-1...	-0.007	0.00	28215.460	4123366.40	25796.142	1526141.33	-0.137	13.33	1075.063	27856.36
215	280-28240-H-1...	0.002	1.67	57001.670	8121341.34	51428.692	2972801.00	1.752	33.34	9825.102	240351.04
216	280-28240-G-1...	0.018	5.00	60944.019	8715498.00	47916.855	2780148.40	3.602	53.33	9334.087	229271.84
217	280-28240-G-1...	0.002	1.67	59447.644	8436816.33	58344.665	3359295.68	7.410	93.34	12135.010	295517.83

Analyte Table

		9 Be [1]		23 Na [2]		24 Mg [2]		27 Al [2]		39 K [2]	
	Sample Name	Conc. [ppb]	CPS	Conc. [ppb]	CPS	Conc. [ppb]	CPS	Conc. [ppb]	CPS	Conc. [ppb]	CPS
218	280-28240-G-1...	0.010	3.33	60181.183	8336349.67	60041.131	3374354.95	2.473	40.00	12299.596	292333.41
219	ccv-1394868	56.627	11635.45	4595.321	663956.89	4805.521	275291.63	5198.937	55070.93	5028.261	122361.00
220	ccb-1394903	-0.007	0.00	-68.606	6935.21	4.568	420.04	3.097	46.67	-7.285	826.77
221	rinse	-0.007	0.00	-72.596	6241.51	1.706	253.36	0.600	20.00	-8.846	773.42
222	rinse	0.011	3.33	-75.967	5688.05	5.505	453.38	-1.372	0.00	-7.376	793.43
223	rinse	0.012	3.33	-78.547	5227.80	0.622	186.68	0.007	13.33	-9.005	740.09
224	rinse	0.022	5.00	-83.361	4494.20	-0.190	140.01	0.752	20.00	-3.272	846.76
225	rinse	-0.007	0.00	-82.745	4534.28	-0.703	113.34	-0.663	6.67	-5.689	786.76
226	icis	0.000	0.00	0.000	4020.82	0.000	73.34	0.000	20.00	0.000	786.75
227	ic	100.000	18460.84	10000.000	1127965.95	10000.000	465544.47	10000.000	93269.02	10000.000	205566.50
228	ccv-1394868	50.758	9467.48	5000.012	572405.91	5050.245	237770.39	5028.881	47403.53	5064.559	105672.15
229	ccb-1394903	0.043	8.33	1.410	4154.15	0.721	106.67	-0.684	13.33	3.732	860.09
230	MB 280-117260...	0.019	3.33	-3.749	3413.96	1.677	146.68	1.634	33.34	-1.685	713.41
231	LCS 280-11726...	36.987	6402.85	1.531	3974.09	2.318	173.35	-2.105	0.00	3.413	813.43
232	280-28165-A-1...	0.039	6.67	1068.586	113735.46	31.018	1393.52	1.627	33.34	3.396	773.41
233	ccv-1394868	50.764	9119.02	5046.226	550564.34	5172.945	232172.47	5080.859	45692.27	5147.507	102360.26
234	ccb-1394903	0.036	6.67	4.947	4320.92	2.166	166.68	-0.623	13.33	1.992	780.09
235	280-28165-G-...	0.147	23.33	1490160.128	1.68918E+08	212687.977	9957011.31	3793.972	35570.20	10838.373	224980.47
236	280-28165-G-2...	0.088	16.67	1556547.294	2.04735E+08	228304.032	12426842.73	465.374	5101.12	13034.164	313533.46
237	280-28165-G-3...	0.053	10.00	3694993.221	4.94001E+08	65163.132	3607396.51	56.630	653.39	11648.679	284613.61
238	280-28165-G-4...	0.062	16.67	1513879.161	2.54028E+08	112819.154	7837900.09	1661.709	23170.65	9182.145	281963.82
239	280-28165-G-5...	0.024	6.67	2161285.759	3.71167E+08	168098.749	11954416.49	35.943	540.06	9671.916	303850.93
240	ccv-1394868	46.266	19275.01	6961.917	1384638.26	5538.548	454089.21	5236.528	86013.90	5287.645	192046.44
241	ccb-1394903	0.036	15.00	552.186	116651.94	14.901	1353.52	-0.492	26.67	6.198	1586.89
242	280-28165-G-6...	0.039	11.67	1005393.381	1.85983E+08	121423.766	9301519.23	103.921	1626.88	8654.079	292929.53
243	280-28165-G-7...	0.000	0.00	1405421.636	2.61886E+08	162080.111	12507341.90	13.446	240.02	12662.984	431208.07
244	280-28165-G-8...	0.071	25.00	816244.626	1.60045E+08	151445.856	12297030.24	1746.167	28444.13	7053.551	253327.06
245	280-28165-G-9...	0.000	0.00	191698.985	37997711.10	112247.127	9212212.36	42.569	733.43	7079.221	256957.47
246	ccv-1394868	46.001	18240.62	5867.581	1165764.83	5479.432	448266.66	5439.416	89155.39	5256.973	190523.70
247	ccb-1394903	0.009	3.33	300.409	66741.58	20.389	1806.93	1.932	66.68	4.099	1513.51
248	280-28165-G-1...	0.072	18.33	2023889.370	3.45047E+08	111716.470	7887674.67	2564.143	36311.51	9866.747	307669.09

Analyte Table

		9 Be [1]		23 Na [2]		24 Mg [2]		27 Al [2]		39 K [2]	
	Sample Name	Conc. [ppb]	CPS	Conc. [ppb]	CPS	Conc. [ppb]	CPS	Conc. [ppb]	CPS	Conc. [ppb]	CPS
249	280-28165-G-1...	0.000	0.00	1188269.308	2.36483E+08	129963.092	10709443.80	24.285	433.38	8244.449	300342.48
250	280-28165-G-1...	0.013	5.00	42541.714	8414386.33	62447.348	5110923.26	64.580	1093.48	7364.913	266535.17
251	280-28165-G-1...	0.024	8.33	285760.700	55693527.51	102581.201	8277700.50	1150.685	18638.68	9255.284	329922.36
252	280-28165-G-1...	0.004	1.67	56995.699	11262370.25	21384.701	1749024.30	208.349	3447.44	1824.854	67011.71
253	ccv-1394868	47.796	17212.96	5557.561	1085844.70	5394.647	433903.87	5294.721	85310.72	5333.635	190004.08
254	ccb-1394903	0.005	1.67	219.156	48812.41	9.013	840.09	0.819	46.67	3.920	1453.52
255	280-28165-G-1...	17.762	5239.16	282279.950	49547920.93	101960.170	7410904.47	1154.775	16843.37	9387.266	301375.07
256	280-28165-G-1...	15.612	4583.98	279578.094	48814809.27	101460.865	7335188.02	1085.763	15754.88	9229.932	294768.59
257	280-28165-G-1...	164.234	47870.18	279223.952	47692929.29	100467.692	7105728.23	1174.135	16662.64	9229.578	288352.21
258	280-28165-G-1...	0.131	31.67	1641760.564	2.71259E+08	168396.746	11520088.16	54.228	773.42	8347.295	252409.69
259	ccv-1394868	44.117	16190.46	6086.130	1140364.54	5412.189	417643.48	5338.855	82538.73	5320.111	181847.10
260	ccb-1394903	0.023	8.33	318.506	65926.07	18.400	1540.21	0.475	40.00	8.648	1573.56
261	rinse	0.015	5.00	197.747	41468.68	9.485	813.42	-0.764	20.00	1.403	1266.85
262	rinse	0.005	1.67	149.399	31428.18	6.407	560.06	2.600	66.68	-0.910	1140.15
263	rinse	0.005	1.67	118.205	25979.86	3.299	340.04	-1.629	6.67	1.196	1200.15
264	rinse	0.006	1.67	100.963	22601.90	3.393	340.04	-1.624	6.67	-0.163	1133.47
265	rinse	0.000	0.00	87.126	20252.34	2.556	280.03	1.324	46.67	-3.033	1046.79
266	icis	0.000	0.00	0.000	19931.99	0.000	180.01	0.000	53.34	0.000	980.11
267	ic	100.000	25570.73	10000.000	1652367.01	10000.000	665533.61	10000.000	132544.12	10000.000	307468.00
268	ccv-1394868	49.036	12789.46	5195.861	836537.43	5290.267	339333.84	5494.476	70188.15	5098.622	151490.24
269	ccb-1394903	0.037	10.00	-2.554	18964.54	4.328	453.38	1.377	66.67	2.459	1026.79
270	280-28063-B-1...	0.014	3.33	-2.668	18163.31	1.853	280.02	-2.475	20.00	2.420	980.12
271	280-28063-E-1...	0.000	0.00	4773388.257	6.11196E+08	70377.778	3675059.95	125.725	1353.51	8969.742	216404.63
272	ccv-1394868	52.987	16045.33	6991.778	1229162.64	5544.294	390741.40	5499.553	77189.51	5301.366	173005.70
273	ccb-1394903	0.035	11.67	596.048	131486.17	6.985	726.74	-3.233	13.33	3.530	1240.16
274	280-28286-B-6...	0.013	3.33	1521818.036	2.65428E+08	75888.433	5397610.75	205.813	2973.87	4617.700	152285.13
275	ccv-1394868	49.553	17296.43	6140.218	1208733.78	5476.112	431022.23	5515.394	86436.52	5178.882	188796.25
276	ccb-1394903	0.031	10.00	286.157	79519.02	6.302	720.06	1.079	80.01	0.804	1233.48
277	280-28117-E-1...	0.038	10.00	1125697.464	1.98614E+08	6612.228	475880.49	42.036	660.07	4159.263	138855.59
278	280-28117-E-1...	0.036	11.67	229483.768	43854772.68	1403.422	109508.50	10.468	226.69	838.716	31261.98
279	280-28117-E-1...	3.684	970.05	1213727.870	2.13014E+08	7132.882	510176.54	50.243	786.76	4477.053	148645.96

Analyte Table

		9 Be [1]		23 Na [2]		24 Mg [2]		27 Al [2]		39 K [2]	
	Sample Name	Conc. [ppb]	CPS	Conc. [ppb]	CPS	Conc. [ppb]	CPS	Conc. [ppb]	CPS	Conc. [ppb]	CPS
280	280-28117-E-1...	3.377	966.71	1172189.116	2.23877E+08	6899.353	537542.12	41.028	700.08	4272.892	154387.02
281	280-28117-E-1...	169.953	52005.76	1154046.140	2.26230E+08	6703.131	535963.46	60.793	1033.46	4246.833	157477.08
282	ccv-1394868	47.658	18889.62	6329.139	1377851.70	5644.618	491645.50	5621.879	97510.95	5405.144	217968.69
283	ccb-1394903	0.022	8.33	325.323	95420.02	3.015	500.05	-1.413	46.67	15.761	1926.92

Analyte Table

		44 Ca [2]		51 V [2]		52 Cr [2]		53 (Cr) [2]		55 Mn [2]	
	Sample Name	Conc. [ppb]	CPS	Conc. [ppb]	CPS	Conc. [ppb]	CPS	Conc. [ppb]	CPS	Conc. [ppb]	CPS
1	rinse-1394889		0.00		-35.53		133.34		46.67		93.34
2	icis	0.000	26.67	0.000	-35.66	0.000	100.01	0.000	60.01	0.000	106.68
3	cal-1394861	10000.000	17916.80	100.000	107260.90	100.000	155057.84	100.000	19185.16	100.000	45412.83
4	icv-1394869	3936.338	7088.66	39.066	42537.59	39.855	62824.88	40.338	7895.78	42.674	19745.61
5	icb-1394903	10.836	46.67	0.014	-21.28	-0.031	53.34	-0.039	53.34	-0.134	46.67
6	icvl-1394870	66.898	146.69	5.065	5420.81	2.070	3320.61	1.842	413.38	1.377	733.43
7	cri-1394886	156.053	306.70	1.024	1079.78	1.011	1693.57	1.368	326.70	1.069	600.07
8	cri-1394887	-0.311	26.67	0.136	112.60	0.121	293.36	-0.006	60.00	0.139	173.36
9	icsa-1391205	100486.359	178010.26	0.582	564.20	1.332	2073.62	0.454	140.01	0.273	220.02
10	ICSAB-1372208	111736.247	197497.56	105.133	108136.92	106.452	158231.96	107.565	19779.01	112.364	48915.36
11	Carryover Check	13.663	53.34	0.099	74.30	0.116	293.39	-0.079	46.67	-0.053	86.68
12	lra-1305595	1.564	26.67	1986.474	1964249.40	4821.635	6884951.77	4943.134	871122.46	10296.569	4298834.72
13	rinse	-11.107	6.67	0.249	218.83	0.433	726.76	0.315	113.34	1.168	600.07
14	ccv-1394868	5338.993	8862.96	49.972	51214.25	49.657	73631.76	49.793	9156.37	51.669	22475.42
15	ccb-1394903	5.040	33.34	0.239	210.92	0.161	333.38	-0.022	53.34	-0.035	86.68
16	ccvl-1394870	55.534	120.01	5.282	5481.05	2.002	3120.53	1.868	406.71	1.491	760.09
17	280-28063-B-1...	157161.948	287029.66	4.202	4221.45	0.171	346.70	0.048	66.67	11.406	4987.74
18	280-28063-B-1...	143205.365	283097.13	2.421	2638.90	0.369	693.41	0.875	233.37	3.803	1880.26
19	280-28063-B-1...	175851.793	351501.53	3.809	4155.17	0.234	473.38	0.331	126.68	3.294	1640.21
20	280-28063-B-1...	53.661	146.68	0.091	72.97	0.026	166.68	-0.226	20.00	0.134	200.03
21	280-28063-B-1...	77.947	193.35	-0.025	-73.24	0.284	626.73	0.317	140.02	-0.032	106.68
22	280-28063-E-1...	289252.507	526891.74	0.798	694.40	0.239	400.04	0.338	106.68	35.283	13632.80
23	280-28063-E-1...	126915.571	278496.51	10.365	11923.57	0.107	286.69	-0.089	46.67	3.866	2000.33
24	ccv-1394868	5302.343	12678.89	50.562	70748.40	49.475	100190.15	49.352	12405.23	51.823	30774.71
25	ccb-1394903	10.762	60.01	0.052	24.22	0.048	220.02	-0.094	53.34	-0.107	73.34
26	ccv-1394868	5006.822	11297.70	50.514	66465.12	49.633	94500.88	49.709	11737.97	54.727	30554.58
27	ccv-1394868	5074.052	11150.97	49.968	64285.65	49.748	92591.52	49.419	11404.55	52.764	28804.61
28	ccb-1394903	10.004	53.34	0.102	86.70	0.016	146.68	-0.137	40.00	-0.060	93.34
29		4.392	40.00	-0.066	-123.89	-0.012	93.34	0.048	80.01	0.007	126.68
30	rinse	-15.146	0.00	0.027	-7.82	-0.014	86.67	-0.124	40.00	0.178	206.69
31	rinse	-1.604	26.67	0.090	65.91	0.021	146.68	-0.220	20.00	0.151	193.35

Analyte Table

		44 Ca [2]		51 V [2]		52 Cr [2]		53 (Cr) [2]		55 Mn [2]	
	Sample Name	Conc. [ppb]	CPS	Conc. [ppb]	CPS	Conc. [ppb]	CPS	Conc. [ppb]	CPS	Conc. [ppb]	CPS
32	ccv-1394868	5128.678	9776.83	50.231	57918.20	49.312	82276.11	47.236	9776.67	53.354	26107.25
33	ccb-1394903	-0.480	26.67	0.087	60.43	0.038	166.68	-0.113	40.00	-0.137	46.67
34	280-28063-B-1...	146968.490	278435.52	3.299	3422.81	0.117	273.36	0.144	86.67	10.368	4694.32
35	280-28063-B-1...	150901.179	290047.02	2.899	3057.40	0.410	733.43	0.593	173.35	3.814	1826.92
36	280-28063-B-1...	182340.516	356675.02	3.829	4061.01	0.315	586.72	0.245	106.68	2.759	1353.50
37	ccv-1394868	5078.206	10383.82	49.472	60416.11	49.590	87620.57	52.198	11437.86	53.060	27502.69
38	ccb-1394903	4.588	40.00	-0.006	-48.33	-0.004	106.68	0.026	73.34	-0.040	100.01
39	280-28286-B-6...	1284058.797	2199594.91	3.910	2933.98	3.611	4014.15	2.813	420.04	1168.325	373211.72
40	280-28286-B-7...	130609.545	308634.62	0.716	818.11	1.898	3387.30	1.820	453.38	77.701	39298.84
41	280-28286-B-8...	113.674	373.37	0.071	64.09	0.048	266.69	-0.221	26.67	0.130	253.36
42	280-28063-B-1...	76.115	260.02	0.076	70.85	0.347	973.45	0.121	126.68	-0.024	146.68
43	280-28063-E-1...	144930.896	331667.68	12.402	14359.75	0.125	320.03	-0.060	53.34	4.430	2287.04
44	ccv-1394868	5129.698	13606.21	50.650	77643.50	49.746	110315.07	50.162	13793.19	56.464	36706.17
45	ccb-1394903	28.355	113.35	0.007	-44.52	0.044	233.36	0.082	106.68	-0.086	93.34
46	ccv-1394868	5824.760	14146.70	53.243	76879.24	54.145	113014.01	53.929	13906.57	61.699	37688.30
47	ccv-1394868	5248.689	13492.76	50.988	76794.87	49.960	108793.46	46.919	12678.71	53.807	34374.90
48	ccb-1394903	-4.506	26.67	0.035	2.26	0.044	233.36	-0.113	53.34	0.040	173.35
49	rinse	9.430	60.01	0.112	117.02	0.017	173.35	-0.288	6.67	0.289	326.70
50	rinse	9.936	60.01	0.007	-39.58	-0.003	126.68	-0.080	60.01	0.018	153.35
51	rinse	-3.837	26.67	0.096	89.58	0.017	166.68	-0.127	46.67	0.259	293.36
52	rinse	2.072	40.00	0.018	-21.29	-0.017	93.34	-0.178	33.33	0.304	313.36
53	rinse	28.865	100.01	0.057	31.00	-0.030	66.67	-0.229	20.00	0.172	233.36
54	icis	0.000	26.67	0.000	31.54	0.000	153.35	0.000	46.67	0.000	73.34
55	ic	10000.000	23323.23	100.000	122402.56	100.000	180756.29	100.000	22815.84	100.000	57735.34
56	ccv-1394868	4564.953	10323.70	51.570	61446.34	50.311	88571.42	50.459	11224.39	51.646	29051.64
57	ccb-1394903	1.016	26.67	0.009	40.03	0.004	146.68	-0.013	40.00	0.023	80.01
58	280-28063-B-1...	49.066	126.68	0.036	67.66	0.278	593.40	0.122	66.67	-0.022	53.34
59	280-28063-E-1...	88222.274	177557.00	6.842	6657.07	-0.012	100.01	0.091	53.34	2.542	1220.15
60	280-28286-B-7...	95753.483	208956.28	0.640	668.52	1.506	2360.42	1.259	273.36	58.826	27976.72
61	280-28286-B-8...	29.551	100.01	0.031	70.75	0.000	153.35	-0.086	26.67	0.054	106.67
62	ccv-1394868	4828.662	11611.09	53.790	67919.64	52.006	97026.79	49.134	11584.61	52.463	31269.21

Analyte Table

		44 Ca [2]		51 V [2]		52 Cr [2]		53 (Cr) [2]		55 Mn [2]	
	Sample Name	Conc. [ppb]	CPS	Conc. [ppb]	CPS	Conc. [ppb]	CPS	Conc. [ppb]	CPS	Conc. [ppb]	CPS
63	ccb-1394903	11.170	53.34	-0.076	-62.45	0.015	180.02	0.117	73.34	-0.010	66.67
64	280-28283-A-8-B	5074.307	12091.70	0.605	776.21	0.528	1106.79	0.647	193.36	56.175	32611.56
65	280-28283-A-9-B	1104.319	2627.07	1.878	2361.00	1.884	3647.38	1.686	446.72	8.612	5161.21
66	280-28283-A-1...	1475.086	3394.00	0.158	219.06	0.303	680.07	0.191	86.67	5.719	3287.27
67	280-28283-A-1...	1477.652	3307.25	0.135	187.22	1.594	2893.81	1.762	426.72	1.364	820.08
68	ccv-1394868	4554.305	9936.88	51.212	58754.19	51.132	86675.92	49.399	10583.87	51.476	27876.35
69	ccb-1394903	1.469	26.67	0.024	55.32	-0.002	133.35	-0.007	40.00	-0.086	20.00
70	280-28286-B-1-B	252764.013	483811.05	0.383	334.07	0.202	340.03	0.283	73.34	278.363	106922.92
71	280-28286-B-2-B	221429.027	530792.55	0.131	173.45	0.323	666.74	0.380	120.01	845.781	443529.85
72	280-28286-B-3-B	187528.792	448413.34	1.043	1085.30	0.309	586.73	0.429	120.01	187.863	90054.71
73	280-28286-B-4-B	397886.284	894939.02	0.829	686.60	0.613	826.76	0.777	146.68	355.362	134954.10
74	ccv-1394868	4686.183	15367.74	56.519	89799.28	53.823	126330.15	51.164	15174.37	54.234	40675.31
75	ccv-1394868	4879.921	16021.77	54.030	84632.96	54.283	125606.70	54.811	16021.74	55.283	40868.32
76	ccv-1394868	4577.834	14673.79	55.357	86276.44	52.782	121538.32	49.781	14486.80	55.352	40722.29
77	ccb-1394903	25.425	113.34	-0.080	-85.06	-0.018	146.68	0.079	80.01	0.113	173.35
78	rinse	-2.515	26.67	0.008	49.84	0.003	193.35	-0.058	40.00	0.322	320.03
79	rinse	2.299	40.00	0.016	62.89	-0.041	93.34	-0.103	26.67	0.175	213.35
80	rinse	32.482	126.68	-0.050	-36.43	-0.022	133.34	0.091	80.01	0.237	253.36
81	rinse	-1.935	26.67	0.035	86.96	-0.002	173.35	-0.076	33.34	0.206	226.69
82	icis	0.000	93.34	0.000	-45.72	0.000	180.01	0.000	46.67	0.000	126.68
83	ic	10000.000	25366.27	100.000	141216.93	100.000	204940.05	100.000	25887.17	100.000	65321.20
84	ccv-1394868	5084.172	12732.24	49.902	70763.32	49.436	101847.10	49.712	12945.66	51.465	33814.01
85	ccb-1394903	-18.056	40.00	0.028	-3.24	-0.011	140.01	0.125	73.34	-0.034	93.34
86	280-28286-B-2-B	231067.795	509440.79	0.314	322.09	0.432	846.76	0.217	80.01	841.873	440901.05
87	280-28286-B-3-B	190835.912	392389.97	1.263	1204.15	0.374	646.73	0.166	60.01	181.973	82169.28
88	280-28286-B-5-B	2154372.906	3013527.66	4.927	2245.23	20.082	13399.51	21.865	1846.91	2468.047	522389.07
89	280-28286-B-1...	151376.376	450300.81	0.364	435.51	0.081	313.36	0.105	66.67	139.393	85015.34
90	280-28286-B-4...	119743.340	370501.31	0.215	264.02	0.116	413.37	0.285	120.01	69.001	45933.75
91	ccv-1394868	5157.239	17336.31	52.012	92188.03	50.961	131259.34	50.051	16301.88	51.613	42412.30
92	ccb-1394903	29.947	220.02	-0.012	-78.36	0.029	293.37	0.190	120.01	0.016	166.69
93	rinse	11.755	160.01	-0.004	-62.97	-0.020	166.68	0.030	66.67	0.227	346.70

Analyte Table

		44 Ca [2]		51 V [2]		52 Cr [2]		53 (Cr) [2]		55 Mn [2]	
	Sample Name	Conc. [ppb]	CPS	Conc. [ppb]	CPS	Conc. [ppb]	CPS	Conc. [ppb]	CPS	Conc. [ppb]	CPS
94	rinse	-9.519	86.67	0.064	62.53	0.017	260.02	-0.028	46.67	0.281	386.71
95	rinse	-2.836	106.68	0.011	-34.60	0.010	240.02	0.054	73.34	0.252	360.04
96	rinse	6.147	133.34	-0.008	-66.89	-0.007	193.35	0.037	66.67	0.243	346.72
97	icis	0.000	173.36	0.000	83.70	0.000	206.69	0.000	46.67	0.000	133.35
98	ic	10000.000	31122.11	100.000	165110.14	100.000	238793.22	100.000	29893.32	100.000	75198.50
99	ccv-1394868	4863.998	15000.59	51.650	83622.28	51.829	121376.52	50.344	14767.16	52.042	38415.99
100	ccb-1394903	-40.028	40.00	-0.062	-19.04	0.028	253.36	0.087	66.67	-0.042	93.34
101	280-28286-B-2-B	226520.909	624136.30	0.243	386.67	0.408	940.11	0.238	93.35	844.965	508879.64
102	280-28286-B-3-B	194449.218	478227.21	1.149	1315.57	0.468	880.11	0.447	120.01	184.406	92410.33
103	280-28286-B-1...	136384.317	367259.72	0.248	364.79	0.112	346.70	0.120	60.01	123.193	68779.53
104	280-28286-B-4...	75180.810	228185.50	0.061	158.11	0.119	420.05	0.156	80.01	41.226	27008.55
105	ccv-1394868	4950.544	16055.02	52.644	87580.08	53.254	128191.27	53.228	16054.92	53.385	40494.56
106	ccb-1394903	-28.776	80.01	-0.049	1.48	0.026	266.69	0.092	73.34	0.178	266.70
107	280-28286-B-5...	290687.222	753318.53	0.354	471.08	1.909	3353.94	2.580	573.39	222.798	117841.73
108	280-28201-C-1-B	109.749	500.06	-0.006	68.69	0.100	433.38	0.051	60.00	0.250	313.36
109	280-28201-C-2-B	106843.842	323363.41	30.793	48712.87	0.655	1686.90	0.691	240.02	0.961	813.42
110	280-28201-C-3-B	559384.281	1527007.95	12.352	16619.41	1.337	2753.79	1.309	353.37	82.340	50286.57
111	280-28201-C-4-B	162789.477	441148.72	2.888	4138.45	0.793	1786.92	0.982	286.70	38.607	24798.78
112	280-28201-C-5-B	116755.679	336727.12	2.677	4128.58	0.838	2013.66	0.785	260.02	12.473	8696.26
113	ccv-1394868	4937.653	13866.16	50.375	75907.31	50.289	109605.38	49.911	13619.38	50.878	34949.99
114	ccb-1394903	5.231	160.01	0.100	223.98	0.024	233.36	-0.004	40.00	0.072	166.68
115	rinse	18.134	193.36	-0.103	-82.70	0.020	226.69	0.213	100.01	0.147	220.02
116	rinse	-43.899	26.67	0.040	131.67	0.022	226.69	-0.101	13.33	0.224	266.69
117	rinse	-38.720	40.00	-0.007	59.50	-0.020	133.34	-0.026	33.33	0.274	293.37
118	rinse	-33.298	53.33	-0.100	-73.16	-0.001	173.36	0.180	86.67	0.111	186.68
119	rinse	-27.725	66.67	-0.043	9.18	-0.013	146.68	0.030	46.67	0.073	160.02
120	icis	0.000	40.00	0.000	68.65	0.000	173.35	0.000	20.00	0.000	86.68
121	ic	10000.000	23890.81	100.000	130002.86	100.000	189905.41	100.000	23977.46	100.000	61247.74
122	ccv-1394868	5163.751	12191.75	50.047	64940.25	51.241	97141.66	53.287	12752.15	50.336	30794.50
123	ccb-1394903	12.377	66.67	-0.057	-7.53	0.050	260.03	0.228	73.34	0.094	140.02
124	MB 280-117181...	6.781	53.34	-0.113	-77.86	0.060	273.36	0.290	86.68	-0.015	73.34

Analyte Table

		44 Ca [2]		51 V [2]		52 Cr [2]		53 (Cr) [2]		55 Mn [2]	
	Sample Name	Conc. [ppb]	CPS	Conc. [ppb]	CPS	Conc. [ppb]	CPS	Conc. [ppb]	CPS	Conc. [ppb]	CPS
125	LCS 280-11718...	7.095	53.34	39.137	49059.26	39.865	73035.28	41.440	9583.52	41.519	24545.08
126	LCSD 280-1171...	1.375	40.00	42.458	52286.74	41.448	74594.78	38.095	8656.06	41.544	24131.01
127	280-28131-S-1-A	12213.723	26701.68	0.534	676.50	0.409	840.10	0.166	53.34	0.803	513.39
128	280-28131-S-3-A	12705.011	28477.69	0.294	402.87	0.210	506.72	0.385	100.01	0.460	326.70
129	280-28131-S-4-B	12071.484	27342.71	0.428	562.09	0.184	466.71	0.380	100.01	0.574	393.37
130	280-28131-S-4-...	2553.273	5841.46	-0.069	-22.44	-0.012	140.01	0.325	93.34	-0.047	53.34
131	ccv-1394868	5067.051	11191.07	50.226	61730.44	49.906	89622.86	50.982	11558.04	49.483	28678.06
132	ccb-1394903	9.063	53.34	0.033	103.16	-0.020	120.01	0.012	20.00	0.007	80.01
133	280-28131-S-4-...	11855.868	25019.06	41.578	46092.16	39.659	64249.83	38.589	7889.25	40.888	21380.79
134	280-28131-S-4-...	12827.514	26654.46	43.152	47505.83	40.449	65065.21	40.193	8162.46	43.197	22422.15
135	280-28131-S-4-...	12641.488	26527.72	213.948	234449.90	204.264	326859.89	204.378	41289.27	208.767	107715.79
136	280-28131-S-5-A	4.909	46.67	-0.049	2.14	0.093	313.36	0.223	66.67	0.161	166.68
137	280-28131-S-6-A	36.688	113.34	-0.019	37.70	0.102	326.70	0.195	60.01	-0.018	66.67
138	280-28076-R-1-A	45271.815	91102.05	5.225	5522.56	34.772	53180.93	31.962	6168.30	32.505	16055.12
139	ccv-1394868	5170.969	11150.98	48.449	57706.49	48.607	84578.32	50.016	10984.20	48.655	27322.69
140	ccb-1394903	3.464	40.00	0.003	61.87	-0.029	100.01	0.172	53.34	0.098	126.68
141	MB 280-117259...	41.252	113.34	-0.075	-27.02	0.035	200.02	0.212	60.01	1.080	633.40
142	LCS 280-11725...	-5.825	20.00	40.733	44013.36	40.329	63687.21	39.907	7955.85	42.179	21494.21
143	280-28099-E-4-B	13172.631	24711.82	-0.023	29.10	0.203	446.71	0.539	120.01	770.162	379927.70
144	280-28099-E-5-B	10124.566	18817.85	0.089	144.77	0.039	193.35	0.336	80.01	151.850	74193.93
145	280-28099-E-6-D	15977.450	29051.72	1.144	1220.50	0.327	620.06	0.413	93.34	0.236	180.02
146	ccv-1394868	4920.749	8896.30	48.066	48816.79	48.492	71937.93	49.270	9223.07	50.172	24018.12
147	ccb-1394903	10.541	46.67	0.087	137.17	-0.001	126.68	0.101	33.34	-0.067	33.33
148	280-28141-F-1-B	21563.881	36472.02	0.618	638.04	0.136	313.37	0.336	73.34	0.129	120.01
149	280-28141-F-1-...	4655.182	7922.39	0.131	177.68	0.010	140.01	0.139	40.00	0.254	180.02
150	280-28141-F-1-...	22059.833	36332.31	41.737	38462.97	41.971	56523.91	43.538	7402.07	41.474	18030.38
151	280-28141-F-1-...	21660.866	35831.34	40.533	37540.12	40.263	54490.45	42.436	7248.81	43.606	19045.01
152	280-28141-F-1-...	21722.803	35149.22	172.330	157074.55	167.277	222656.82	160.946	27048.82	168.964	72528.81
153	ccv-1394868	5285.975	8562.64	46.210	43347.53	47.438	65005.78	50.057	8656.16	49.228	21774.72
154	ccb-1394903	0.136	26.67	0.016	63.18	0.054	193.35	0.153	40.00	-0.032	46.67
155	280-28141-F-2-B	28701.909	45118.81	0.901	851.64	0.201	380.05	0.202	46.67	103.053	43347.79

Analyte Table

		44 Ca [2]		51 V [2]		52 Cr [2]		53 (Cr) [2]		55 Mn [2]	
	Sample Name	Conc. [ppb]	CPS	Conc. [ppb]	CPS	Conc. [ppb]	CPS	Conc. [ppb]	CPS	Conc. [ppb]	CPS
156	280-28141-F-3-B	23594.955	37214.10	2.342	2163.95	0.441	700.07	0.398	80.01	0.175	133.34
157	280-28141-F-4-B	25959.588	41228.79	0.784	752.67	0.109	260.03	0.038	20.00	1.529	706.74
158	280-28141-F-5-B	78.395	146.69	-0.033	15.72	0.113	266.69	0.157	40.00	0.253	166.69
159	280-28141-F-6-B	33360.477	52832.50	1.268	1185.42	0.272	473.38	0.319	66.67	1355.195	573608.67
160	280-28141-F-7-B	24951.524	39532.47	0.784	757.66	0.248	446.71	0.237	53.34	2.423	1093.48
161	ccv-1394868	5313.942	8235.92	46.507	42099.94	46.801	61914.76	45.433	7588.85	47.766	20393.13
162	ccb-1394903	-7.615	13.33	0.103	137.16	0.009	126.68	0.121	33.34	-0.010	53.34
163	MB 280-117691...	1.637	26.67	-0.029	20.41	-0.016	93.34	0.043	20.00	0.171	126.68
164	LCS 280-11769...	6.276	33.34	37.843	32491.19	38.227	47959.48	37.636	5961.49	40.689	16475.42
165	280-28194-A-9-D	1480.270	2187.01	1.181	1047.16	0.686	960.13	0.515	93.34	5.416	2220.38
166	280-28194-A-1...	3167.289	4627.67	6.042	5121.83	3.153	3980.77	3.530	560.05	46.768	18564.08
167	280-28194-A-1...	720.362	1080.14	1.148	1028.24	0.726	1020.13	0.845	146.68	9.891	4047.47
168	ccv-1394868	5234.671	7628.89	47.105	40197.50	46.594	58096.01	44.728	7042.06	48.356	19458.46
169	ccb-1394903	2.010	26.67	-0.087	-29.79	-0.008	100.01	0.175	40.00	-0.021	46.67
170	280-28194-A-1...	3504.893	5007.80	45.444	37047.45	42.136	50198.71	39.502	5941.50	87.648	33652.98
171	280-28194-A-1...	2892.676	4120.89	43.474	35873.49	41.497	50024.92	39.793	6054.89	84.858	32959.07
172	280-28194-A-1...	3273.994	4614.32	204.258	165866.10	194.549	230688.00	190.379	28497.53	243.383	93040.61
173	280-28194-A-1...	1072.244	1520.20	1.136	963.66	2.815	3440.63	2.946	453.37	7.704	2993.87
174	280-28194-A-1...	1635.480	2360.37	1.212	1040.72	0.482	686.73	0.357	66.68	5.276	2100.30
175	280-28194-A-1...	258.095	386.72	0.067	98.36	0.251	413.38	0.136	33.34	0.066	80.01
176	280-28252-I-1-E	4526.992	6354.94	0.104	125.68	0.267	420.04	0.230	46.67	1587.725	604607.49
177	280-28262-D-1-C	80127.631	109925.05	2.958	2388.79	1.004	1266.83	1.285	200.02	20.133	7575.52
178	ccv-1394868	5075.034	7215.34	48.045	40144.26	48.454	59165.90	48.715	7508.89	48.949	19285.24
179	ccb-1394903	-16.417	0.00	0.136	151.39	0.019	126.68	-0.082	0.00	-0.068	26.67
180	280-28293-A-9-A	7.481	33.33	-0.026	20.69	0.074	193.35	0.140	33.33	0.089	86.68
181	280-28293-A-1...	650.342	926.78	0.015	53.53	0.282	440.05	0.362	66.67	0.332	180.02
182	280-28293-A-1...	560506.676	751420.80	36.278	22864.81	2.936	2780.50	1.644	200.02	20.712	6174.92
183	280-28293-A-1...	561195.079	903411.16	20.641	15096.86	0.817	966.77	1.406	200.02	9.537	3320.63
184	280-28293-A-1...	505735.390	857345.43	23.448	16897.70	2.230	2433.71	1.728	240.02	9.634	3313.90
185	280-28293-A-1...	184.251	453.38	-0.071	-24.39	0.124	380.03	0.330	93.34	0.093	133.35
186	280-28293-A-1...	530.437	1233.49	-0.019	38.68	2.218	4107.47	2.408	560.06	0.384	300.03

Analyte Table

		44 Ca [2]		51 V [2]		52 Cr [2]		53 (Cr) [2]		55 Mn [2]	
	Sample Name	Conc. [ppb]	CPS	Conc. [ppb]	CPS	Conc. [ppb]	CPS	Conc. [ppb]	CPS	Conc. [ppb]	CPS
187	280-28293-E-2...	65.261	180.02	0.022	86.70	0.084	300.03	0.009	20.00	0.124	146.68
188	ccv-1394868	5197.436	11230.92	50.862	59693.42	49.874	85525.06	48.826	10570.72	51.844	28684.60
189	ccb-1394903	27.894	93.34	-0.013	43.94	-0.018	120.01	0.105	40.01	-0.114	13.33
190	MB 280-117626...	35.446	106.68	-0.068	-19.47	-0.036	86.67	0.045	26.67	0.076	113.34
191	LCS 280-11762...	-3.168	26.67	40.089	44428.98	38.997	63166.77	38.867	7949.18	40.886	21374.28
192	280-28240-G-1-K	93550.767	182487.19	0.814	907.32	0.090	273.36	0.158	46.67	552.136	272655.71
193	280-28240-G-1-...	19209.485	37634.33	0.269	342.42	0.009	153.35	0.119	40.00	106.637	53849.97
194	280-28240-G-1-...	92308.803	173552.63	41.727	42570.95	38.498	57406.87	37.079	6981.95	578.232	277432.84
195	280-28240-G-...	92514.952	170160.32	40.848	40698.50	38.932	56677.54	39.597	7268.67	577.683	270500.89
196	280-28240-G-1-...	93699.999	168355.24	206.546	201103.25	199.648	283865.70	198.136	35570.76	754.989	345982.94
197	280-28240-G-2-H	323315.415	555284.73	0.065	103.87	0.234	420.05	0.608	113.35	14169.018	5946604.08
198	ccv-1394868	5213.364	9109.74	48.621	48133.38	48.845	70659.97	49.951	9123.08	57.135	26661.43
199	ccb-1394903	49.692	113.35	0.000	50.73	-0.034	80.01	-0.046	6.67	1.054	546.72
200	280-28240-G-3-E	139902.514	233807.95	0.705	697.74	0.045	180.01	0.036	20.00	3818.477	1656762.22
201	280-28240-G-4-E	403585.305	642768.39	1.528	1325.67	0.232	393.37	-0.082	0.00	6100.982	2409879.91
202	280-28240-G-5-E	133579.731	217391.83	0.022	64.47	0.045	173.35	0.080	26.67	5139.642	2149358.20
203	280-28240-G-6-E	266719.455	420499.64	0.879	789.92	0.099	233.36	0.045	20.00	14099.484	5637954.29
204	280-28240-G-7-E	156937.794	250941.63	0.629	600.10	0.051	180.02	0.411	80.01	3869.339	1605722.63
205	280-28240-G-8-E	212709.340	334948.20	-0.013	31.94	0.049	173.36	0.211	46.67	1659.457	672848.87
206	280-28240-G-9-E	254530.512	389541.50	2.031	1729.06	0.076	200.02	0.352	66.67	4709.327	1841586.07
207	280-28240-G-1...	120594.232	181593.14	1.977	1677.64	0.038	153.35	0.093	26.67	3898.338	1518384.35
208	280-28240-G-1...	119009.652	182116.19	0.053	88.13	0.040	160.01	0.002	13.33	1552.351	621639.20
209	ccv-1394868	5403.018	8262.57	49.770	44141.96	46.956	60858.13	44.256	7242.03	51.259	21434.29
210	ccb-1394903	36.682	80.01	-0.136	-74.62	-0.048	53.34	0.244	53.34	0.594	306.69
211	280-28240-G-1...	129798.129	177214.50	0.348	311.02	0.103	220.02	-0.082	0.00	928.726	336555.30
212	280-28240-G-1...	15.934	46.67	0.034	71.01	0.059	180.01	0.048	20.00	0.509	253.36
213	280-28240-G-1...	151355.316	209162.91	4.836	3750.44	0.053	160.02	0.295	53.34	360.012	130147.00
214	280-28240-G-1...	96330.132	132457.22	3.807	2993.82	0.076	186.69	0.058	20.00	473.428	172976.79
215	280-28240-H-1...	192119.040	258069.56	0.009	45.39	0.099	206.69	0.159	33.34	2762.109	977835.32
216	280-28240-G-1...	174926.172	235871.62	0.469	394.44	0.038	140.01	0.013	13.33	1077.900	384778.80
217	280-28240-G-1...	227890.861	304955.58	0.076	96.37	-0.010	86.68	0.158	33.34	621.013	220408.17

Analyte Table

		44 Ca [2]		51 V [2]		52 Cr [2]		53 (Cr) [2]		55 Mn [2]	
	Sample Name	Conc. [ppb]	CPS	Conc. [ppb]	CPS	Conc. [ppb]	CPS	Conc. [ppb]	CPS	Conc. [ppb]	CPS
218	280-28240-G-1...	236437.883	308810.79	0.002	39.25	0.118	220.03	0.215	40.00	635.766	219183.46
219	ccv-1394868	5663.106	7555.49	49.145	38362.66	46.130	52626.30	44.260	6374.91	51.373	18911.25
220	ccb-1394903	-6.273	13.33	0.044	74.01	0.018	120.01	0.011	13.33	0.099	86.67
221	rinse	30.657	60.01	-0.199	-112.67	-0.053	40.00	0.299	53.34	0.029	60.01
222	rinse	15.601	40.01	0.015	48.90	-0.009	86.68	0.015	13.33	0.014	53.34
223	rinse	27.119	53.34	-0.007	32.69	-0.027	66.67	-0.033	6.67	0.170	106.68
224	rinse	5.954	26.67	-0.078	-19.85	-0.026	66.67	0.116	26.67	0.095	80.01
225	rinse	-16.417	0.00	-0.180	-93.19	-0.063	26.67	0.269	46.67	0.176	106.68
226	icis	0.000	13.33	0.000	65.50	0.000	53.34	0.000	0.00	0.000	33.34
227	ic	10000.000	12385.27	100.000	62567.73	100.000	89489.44	100.000	11244.43	100.000	30801.53
228	ccv-1394868	5191.206	6501.59	50.041	31532.28	49.754	44811.43	49.713	5621.40	53.906	16695.96
229	ccb-1394903	10.730	26.67	-0.020	51.78	0.059	106.68	0.174	20.00	0.022	40.00
230	MB 280-117260...	0.696	13.33	0.014	71.38	0.087	126.68	0.000	0.00	0.184	86.68
231	LCS 280-11726...	-10.574	0.00	39.620	24066.18	41.022	35630.62	41.299	4507.62	39.316	11765.00
232	280-28165-A-1...	363.187	426.71	-0.519	-254.78	4.837	4100.79	6.361	673.40	0.709	233.36
233	ccv-1394868	4788.112	5728.02	48.284	29423.03	49.993	43534.49	50.563	5528.00	51.526	15447.93
234	ccb-1394903	22.952	40.00	0.018	73.75	0.049	93.34	0.184	20.00	-0.039	20.00
235	280-28165-G-...	419907.349	522689.90	6.185	3359.72	5.070	3900.78	5.926	560.06	442.594	115457.03
236	280-28165-G-2...	522402.086	755873.69	0.964	636.67	1.008	900.11	1.350	140.01	642.598	185474.96
237	280-28165-G-3...	394619.771	580720.03	4.579	2603.42	0.377	346.70	1.269	126.68	23.448	6441.78
238	280-28165-G-4...	357921.814	661187.96	5.875	4376.61	4.247	4500.94	5.173	680.08	21.390	7742.35
239	280-28165-G-5...	347543.530	657134.78	3.757	2787.08	3.324	3487.33	3.501	453.38	16.174	5774.87
240	ccv-1394868	5237.411	11431.21	53.422	54165.92	54.812	79428.42	56.850	10343.76	53.991	26928.76
241	ccb-1394903	41.239	113.34	-0.268	-166.76	0.015	106.68	0.624	113.34	0.135	120.01
242	280-28165-G-6...	349660.009	711942.12	4.216	3512.94	0.496	646.73	0.680	100.01	21.513	8656.18
243	280-28165-G-7...	355417.173	729007.28	22.442	17748.68	1.221	1440.18	1.456	206.68	0.945	406.72
244	280-28165-G-8...	355521.691	767286.97	5.199	4521.92	1.622	2053.67	2.261	346.70	873.621	366876.35
245	280-28165-G-9...	321774.929	701983.66	0.698	727.58	0.110	220.02	0.492	80.01	353.603	158056.73
246	ccv-1394868	5048.644	10997.52	56.274	56803.32	54.129	78103.12	53.632	9716.79	55.396	27516.02
247	ccb-1394903	62.233	160.02	-0.186	-83.10	0.034	133.34	0.443	80.01	0.029	66.68
248	280-28165-G-1...	388228.975	728571.40	10.308	7534.38	4.194	4400.91	4.509	586.73	31.790	11357.63

Analyte Table

		44 Ca [2]		51 V [2]		52 Cr [2]		53 (Cr) [2]		55 Mn [2]	
	Sample Name	Conc. [ppb]	CPS	Conc. [ppb]	CPS	Conc. [ppb]	CPS	Conc. [ppb]	CPS	Conc. [ppb]	CPS
249	280-28165-G-1...	330049.383	723011.58	1.446	1311.30	2.500	3093.89	2.811	426.72	45.650	19011.61
250	280-28165-G-1...	308934.683	672078.87	3.713	3573.81	0.618	906.77	0.634	106.68	5.275	2480.47
251	280-28165-G-1...	254615.409	546189.52	5.255	4777.19	1.755	2313.69	1.665	266.69	10.637	4714.38
252	280-28165-G-1...	50728.004	110280.65	1.085	1141.03	0.402	633.41	0.577	100.01	2.320	1146.81
253	ccv-1394868	4931.530	10563.95	53.218	52148.12	54.761	76697.13	55.563	9770.11	54.062	26067.11
254	ccb-1394903	14.827	53.34	-0.204	-97.36	0.013	100.01	0.421	73.34	0.061	80.01
255	280-28165-G-1...	258006.787	498496.75	28.033	23201.57	23.327	27582.53	24.428	3620.69	32.941	13412.77
256	280-28165-G-1...	255809.529	491590.85	29.278	23880.32	24.051	28016.85	22.681	3313.92	33.704	13512.84
257	280-28165-G-1...	253667.184	476882.32	243.849	194879.33	228.467	261151.70	224.584	32257.70	238.528	93804.61
258	280-28165-G-1...	362635.796	659513.06	3.234	2334.77	3.723	3780.71	3.565	446.71	71.054	24471.48
259	ccv-1394868	5105.480	10490.54	55.431	52311.62	55.198	74456.42	54.023	9149.67	56.679	26320.99
260	ccb-1394903	34.950	93.34	-0.077	25.39	0.065	166.68	0.317	53.34	0.212	146.68
261	rinse	23.572	66.67	-0.130	-23.11	0.017	100.01	0.244	40.00	0.234	153.35
262	rinse	21.322	60.01	-0.041	55.97	0.025	106.67	0.084	13.33	0.250	153.35
263	rinse	7.297	33.34	-0.035	59.36	-0.006	66.67	0.042	6.67	0.312	180.01
264	rinse	-3.136	13.33	-0.029	65.00	0.092	186.69	0.216	33.34	0.333	186.69
265	rinse	0.495	20.00	-0.115	-10.05	0.033	113.35	0.173	26.67	0.241	146.68
266	icis	0.000	33.34	0.000	-47.69	0.000	80.01	0.000	46.67	0.000	73.34
267	ic	10000.000	17629.73	100.000	81486.56	100.000	118574.37	100.000	15114.12	100.000	44444.09
268	ccv-1394868	5337.596	9069.64	52.869	42219.41	54.086	62925.07	54.295	8076.08	49.666	21688.01
269	ccb-1394903	4.388	40.00	0.199	110.62	0.071	160.01	-0.176	20.00	0.006	73.34
270	280-28063-B-1...	-15.228	6.67	0.058	-0.62	0.023	100.01	0.020	46.67	-0.053	46.67
271	280-28063-E-1...	299191.366	412742.89	0.900	418.26	0.298	260.02	0.878	106.68	42.617	11424.54
272	ccv-1394868	5562.557	10383.88	57.667	49657.11	56.910	71361.97	52.398	8395.97	54.678	25726.60
273	ccb-1394903	38.511	113.35	0.021	-34.36	-0.007	80.01	-0.035	46.67	-0.058	53.34
274	280-28286-B-6...	230840.246	433726.32	0.316	189.19	0.552	660.07	1.464	240.03	210.280	83929.79
275	ccv-1394868	4890.248	10203.68	57.535	54859.42	56.296	78197.75	53.666	9529.97	52.632	27429.50
276	ccb-1394903	-0.176	40.00	0.114	54.13	0.014	113.34	-0.197	20.00	-0.026	73.34
277	280-28117-E-1...	93839.073	178367.02	10.262	7827.90	0.447	573.40	0.248	80.01	1.015	493.39
278	280-28117-E-1...	20501.832	42211.14	2.201	1917.84	0.158	293.36	0.132	73.34	0.327	240.02
279	280-28117-E-1...	100050.175	189083.93	18.466	13579.87	5.519	6028.16	3.729	553.39	6.414	2653.80

Analyte Table

		44 Ca [2]		51 V [2]		52 Cr [2]		53 (Cr) [2]		55 Mn [2]	
	Sample Name	Conc. [ppb]	CPS	Conc. [ppb]	CPS	Conc. [ppb]	CPS	Conc. [ppb]	CPS	Conc. [ppb]	CPS
280	280-28117-E-1...	95817.550	197173.25	15.051	12184.29	5.651	6755.16	4.837	773.42	5.279	2407.07
281	280-28117-E-1...	93469.677	197393.90	266.884	219546.54	241.641	289069.47	235.023	35817.86	227.481	101954.65
282	ccv-1394868	5197.938	11998.32	56.642	59362.28	56.646	86475.52	56.373	10997.60	53.110	30421.07
283	ccb-1394903	18.743	86.68	0.057	-1.91	0.061	193.35	0.107	80.01	0.106	153.35

Analyte Table

		57 Fe [2]		59 Co [2]		60 Ni [2]		63 Cu [2]		66 Zn [2]	
	Sample Name	Conc. [ppb]	CPS	Conc. [ppb]	CPS	Conc. [ppb]	CPS	Conc. [ppb]	CPS	Conc. [ppb]	CPS
1	rinse-1394889		140.01		20.00		153.34		1766.92		126.68
2	icis	0.000	113.34	0.000	26.67	0.000	200.02	0.000	1553.56	0.000	260.02
3	cal-1394861	10000.000	307161.17	100.000	311419.59	100.000	93760.30	100.000	279796.50	100.000	25846.97
4	icv-1394869	3724.673	116265.45	40.917	129429.20	42.055	40167.08	41.325	118355.92	40.774	10857.67
5	icb-1394903	-0.474	100.01	0.010	60.01	0.018	220.03	-0.036	1473.52	0.115	293.36
6	icvl-1394870	54.356	1786.90	1.086	3420.59	2.094	2166.97	2.181	7655.65	9.396	2673.78
7	cri-1394886	102.810	3320.57	1.107	3527.34	1.112	1260.21	1.031	4487.63	0.910	500.04
8	cri-1394887	19.519	726.75	0.163	546.72	0.079	280.03	0.175	2080.28	0.161	306.70
9	icsa-1391205	95578.145	2813437.77	0.036	133.35	0.605	733.41	0.662	3253.92	3.511	1106.80
10	ICSAB-1372208	108248.200	3186401.93	102.075	304746.23	101.638	91359.37	101.479	272185.66	97.005	24037.63
11	Carryover Check	29.879	1080.13	0.016	80.01	-0.002	206.69	-0.048	1486.86	0.253	340.04
12	lra-1305595	8.587	346.70	1948.706	5591597.83	4960.119	4276982.23	4912.441	12596906.89	4942.670	1165403.94
13	rinse	2.070	166.69	0.189	580.06	0.254	413.38	0.567	2953.83	0.753	426.71
14	ccv-1394868	4825.405	141699.35	49.292	146702.97	51.123	45900.72	51.473	138347.96	48.723	12158.37
15	ccb-1394903	7.018	313.37	0.045	160.02	0.010	200.02	0.306	2293.70	-0.276	180.02
16	ccvl-1394870	45.015	1453.53	1.033	3153.86	2.227	2220.32	2.130	7275.40	10.673	2907.17
17	280-28063-B-1...	15.388	553.40	0.025	100.01	0.057	240.03	0.169	1913.61	1.169	526.72
18	280-28063-B-1...	77.082	2547.14	0.068	246.69	0.126	326.71	0.506	3047.17	2.660	966.78
19	280-28063-B-1...	15.575	606.73	0.058	213.35	0.293	486.72	0.192	2140.30	0.409	373.37
20	280-28063-B-1...	-0.593	113.34	-0.001	26.67	0.019	260.03	0.052	2026.96	-0.119	273.36
21	280-28063-B-1...	0.438	146.68	0.010	66.68	0.259	513.39	0.037	1920.29	0.626	486.72
22	280-28063-E-1...	132.100	3527.29	0.107	306.70	0.314	420.04	0.192	1773.59	15.748	3627.32
23	280-28063-E-1...	8.245	393.37	0.013	73.34	0.563	780.08	0.069	1873.62	0.853	513.38
24	ccv-1394868	4830.334	193755.75	50.338	204563.01	49.588	60818.01	49.853	183086.46	48.013	16375.23
25	ccb-1394903	1.308	193.35	-0.002	26.67	0.005	260.03	0.143	2467.05	-0.582	140.01
26	ccv-1394868	4864.217	183399.07	50.986	194856.63	50.480	58203.23	50.671	174907.05	49.646	15901.74
27	ccv-1394868	4846.396	178623.96	50.641	189190.80	49.330	55602.57	50.453	170249.42	50.675	15861.68
28	ccb-1394903	2.014	206.69	0.000	33.33	-0.039	193.35	0.014	1880.27	-0.332	206.68
29		2.331	213.36	0.015	86.68	-0.047	180.02	0.019	1853.59	0.002	300.03
30	rinse	0.605	146.68	0.001	33.34	-0.105	113.34	-0.048	1573.54	0.112	320.03
31	rinse	-0.935	93.34	0.001	33.33	-0.059	160.01	-0.046	1573.56	0.286	366.70

Analyte Table

		57 Fe [2]		59 Co [2]		60 Ni [2]		63 Cu [2]		66 Zn [2]	
	Sample Name	Conc. [ppb]	CPS	Conc. [ppb]	CPS	Conc. [ppb]	CPS	Conc. [ppb]	CPS	Conc. [ppb]	CPS
32	ccv-1394868	4706.542	155510.55	50.084	167724.27	49.594	50112.19	49.034	148367.87	49.268	13833.17
33	ccb-1394903	1.480	166.68	0.002	33.34	-0.017	193.35	0.040	1746.92	-0.148	233.36
34	280-28063-B-1...	14.508	546.72	0.016	73.34	0.301	473.39	0.127	1866.92	0.570	393.37
35	280-28063-B-1...	81.329	2593.80	0.026	106.68	0.065	260.02	0.607	3227.29	2.451	880.10
36	280-28063-B-1...	22.009	786.76	0.030	120.01	0.215	400.04	0.029	1626.88	0.449	373.37
37	ccv-1394868	4810.447	168343.03	50.589	179441.16	50.234	53756.04	51.032	163470.85	52.010	15447.91
38	ccb-1394903	0.742	153.34	0.018	93.34	-0.056	166.68	0.066	1960.27	-0.021	286.70
39	280-28286-B-6...	1856.237	40262.07	3.601	7915.74	7.647	5187.88	3.364	7689.04	6.822	1413.52
40	280-28286-B-7...	528.639	18190.52	0.498	1760.25	1.986	2287.01	1.051	4974.49	2.483	993.45
41	280-28286-B-8...	5.911	453.38	-0.004	20.00	-0.006	300.03	0.098	2800.48	-0.047	380.05
42	280-28063-B-1...	1.551	246.69	-0.003	26.67	0.135	500.05	0.085	2733.75	0.726	680.07
43	280-28063-E-1...	13.956	586.72	0.017	86.67	0.392	613.40	0.105	2000.33	0.844	513.40
44	ccv-1394868	4831.734	212156.78	51.237	228040.73	50.600	67944.19	50.802	204282.24	49.591	18504.21
45	ccb-1394903	1.754	233.36	0.000	40.01	-0.057	200.02	0.080	2473.72	-0.066	340.04
46	ccv-1394868	5353.396	220886.18	55.838	233633.74	55.507	69985.15	58.403	220433.62	56.891	19939.63
47	ccv-1394868	4847.077	209165.08	49.799	217832.35	50.119	66090.41	52.653	207917.38	52.157	19111.83
48	ccb-1394903	1.787	233.36	0.010	80.01	0.043	333.37	-0.070	1886.92	-0.077	333.36
49	rinse	2.825	273.36	-0.004	20.00	-0.037	226.69	-0.038	1986.96	-0.010	353.37
50	rinse	0.862	186.69	-0.005	13.33	-0.033	226.69	0.029	2180.32	-0.077	320.04
51	rinse	-0.207	140.01	-0.004	20.00	-0.062	186.68	-0.049	1860.25	-0.187	280.03
52	rinse	0.215	153.35	-0.002	26.67	0.054	320.03	-0.003	1980.28	-0.010	326.70
53	rinse	0.618	166.68	-0.005	13.33	-0.038	206.69	0.065	2180.34	-0.186	266.69
54	icis	0.000	140.02	0.000	26.67	0.000	180.01	0.000	1693.55	0.000	180.01
55	ic	10000.000	360655.41	100.000	371133.30	100.000	111136.64	100.000	329516.00	100.000	30187.32
56	ccv-1394868	4967.747	174424.33	52.006	187849.34	51.862	56170.97	55.685	179281.12	55.253	16308.61
57	ccb-1394903	2.096	200.02	0.003	33.34	-0.062	100.01	0.101	1866.91	0.146	206.69
58	280-28063-B-1...	3.121	226.69	-0.001	20.00	0.205	366.70	0.058	1673.56	0.538	306.70
59	280-28063-E-1...	9.205	373.37	0.018	73.34	0.381	473.39	0.107	1586.88	0.805	333.36
60	280-28286-B-7...	453.594	13572.87	0.362	1126.82	1.632	1633.57	1.101	4327.56	3.061	900.13
61	280-28286-B-8...	7.494	420.04	-0.002	20.00	0.034	220.02	0.140	2173.69	0.341	286.69
62	ccv-1394868	4969.194	184899.40	51.005	195241.71	51.207	58778.54	55.417	189095.30	55.786	17443.03

Analyte Table

		57 Fe [2]		59 Co [2]		60 Ni [2]		63 Cu [2]		66 Zn [2]	
	Sample Name	Conc. [ppb]	CPS	Conc. [ppb]	CPS	Conc. [ppb]	CPS	Conc. [ppb]	CPS	Conc. [ppb]	CPS
63	ccb-1394903	1.482	193.35	0.004	40.00	0.048	233.35	0.032	1786.93	-0.060	160.02
64	280-28283-A-8-B	7409.942	268083.26	0.916	3440.64	0.800	1066.81	0.458	3160.58	1.812	720.07
65	280-28283-A-9-B	302.859	11337.94	0.466	1813.60	0.891	1206.83	0.678	3967.49	1.560	660.07
66	280-28283-A-1...	197.556	7082.01	2.124	7715.66	2.478	2853.82	0.767	4060.81	4.791	1573.55
67	280-28283-A-1...	36.095	1373.53	0.106	400.04	0.175	353.39	0.444	2967.17	1.185	506.73
68	ccv-1394868	4982.726	168468.52	51.771	180066.86	51.552	53775.80	52.758	163642.01	52.019	14793.99
69	ccb-1394903	3.494	240.02	0.011	60.00	0.119	280.05	0.099	1806.93	0.242	226.69
70	280-28286-B-1-B	1362.415	32818.63	3.024	7502.21	5.060	3854.12	2.496	6541.75	2.608	640.07
71	280-28286-B-2-B	461.612	15261.27	1.757	5954.86	9.041	9283.17	1.340	5494.68	6.204	1853.59
72	280-28286-B-3-B	857.905	25833.56	0.530	1653.55	3.031	2933.83	1.885	6501.72	23.270	5948.19
73	280-28286-B-4-B	512.186	12245.34	1.396	3427.25	2.499	1940.28	5.723	13439.30	5.215	1146.80
74	ccv-1394868	5263.905	246429.74	54.389	261946.26	53.787	77676.04	54.248	232949.13	50.787	20006.23
75	ccv-1394868	5307.631	244975.70	53.592	254452.70	55.079	78404.95	53.416	226148.98	54.119	20994.12
76	ccv-1394868	5179.792	237890.68	53.501	252787.24	53.438	75707.18	51.992	219102.21	52.082	20119.38
77	ccb-1394903	1.321	233.36	0.002	40.00	0.032	266.69	0.081	2420.39	0.102	260.02
78	rinse	1.125	220.02	0.000	33.33	-0.042	160.02	0.121	2547.07	0.487	400.04
79	rinse	0.241	180.01	-0.001	26.67	0.023	246.69	0.032	2166.97	0.355	346.70
80	rinse	0.320	180.02	0.012	86.68	0.035	260.03	0.115	2460.41	0.312	326.70
81	rinse	1.487	226.69	0.004	46.67	0.024	240.02	0.094	2333.70	0.610	426.71
82	icis	0.000	106.68	0.000	33.34	0.000	346.71	0.000	2187.01	0.000	306.70
83	ic	10000.000	410243.72	100.000	419382.21	100.000	125104.94	100.000	365426.11	100.000	34461.91
84	ccv-1394868	4814.868	198412.85	49.791	209683.80	49.040	61774.71	50.331	185733.60	48.161	16822.47
85	ccb-1394903	1.268	146.68	0.004	46.67	-0.118	173.35	0.011	2020.33	-0.011	273.36
86	280-28286-B-2-B	450.235	14907.33	1.565	5294.56	7.494	7769.03	1.272	5367.97	5.618	1773.57
87	280-28286-B-3-B	862.752	24551.69	0.489	1440.20	3.254	3033.89	1.718	5748.05	20.454	5034.49
88	280-28286-B-5-B	21932.980	292002.34	6.717	9156.41	17.440	7168.68	11.615	14373.74	18.624	2160.31
89	280-28286-B-1...	746.867	28671.06	1.517	5968.15	2.251	2933.83	1.209	6034.82	1.433	726.75
90	280-28286-B-4...	102.463	4380.92	0.349	1520.19	0.435	886.77	1.175	6448.37	1.413	786.76
91	ccv-1394868	4941.351	254637.77	52.423	276091.60	50.700	79852.31	52.572	242477.77	49.305	21521.29
92	ccb-1394903	0.831	173.35	0.001	46.67	-0.067	313.37	0.087	3060.55	-0.131	313.36
93	rinse	1.560	213.35	0.000	40.00	-0.049	346.70	0.044	2887.11	-0.002	373.37

Analyte Table

		57 Fe [2]		59 Co [2]		60 Ni [2]		63 Cu [2]		66 Zn [2]	
	Sample Name	Conc. [ppb]	CPS	Conc. [ppb]	CPS	Conc. [ppb]	CPS	Conc. [ppb]	CPS	Conc. [ppb]	CPS
94	rinse	3.646	320.04	0.001	46.67	-0.104	253.36	0.053	2887.17	0.089	406.70
95	rinse	1.638	213.35	-0.004	20.00	-0.023	380.04	0.077	2980.52	0.125	420.04
96	rinse	-0.112	120.01	-0.005	13.33	-0.126	213.36	0.064	2867.15	0.061	386.71
97	icis	0.000	186.69	0.000	26.67	0.000	166.68	0.000	2427.03	0.000	293.37
98	ic	10000.000	473380.78	100.000	492820.41	100.000	143850.54	100.000	429523.31	100.000	38483.75
99	ccv-1394868	5080.232	235777.83	51.591	249190.10	52.823	74523.03	52.075	220291.34	53.448	20272.95
100	ccb-1394903	0.366	186.68	0.015	93.34	0.065	240.02	0.041	2400.40	0.328	386.70
101	280-28286-B-2-B	447.976	17149.50	1.688	6688.53	8.818	10290.68	1.385	6621.93	7.313	2467.05
102	280-28286-B-3-B	856.676	27175.92	0.557	1846.95	3.354	3320.68	1.793	6668.39	22.913	6028.18
103	280-28286-B-1...	654.023	23116.57	1.521	5587.97	2.269	2540.42	1.143	5361.22	1.504	633.41
104	280-28286-B-4...	73.716	3187.22	0.199	873.42	0.469	726.76	0.957	5587.96	0.866	533.40
105	ccv-1394868	5224.537	249222.46	53.682	266513.78	54.343	78788.35	54.368	236321.30	54.411	21214.15
106	ccb-1394903	1.353	246.69	0.003	40.00	0.075	273.36	-0.053	2140.31	0.207	366.71
107	280-28286-B-5...	2164.491	72240.33	0.802	2800.47	1.916	2053.66	1.198	5254.55	2.035	746.74
108	280-28201-C-1-B	25.009	1346.84	0.014	93.34	0.047	226.69	0.258	3400.62	0.492	466.72
109	280-28201-C-2-B	43.751	2153.65	0.262	1260.14	1.361	2026.97	2.626	12979.26	3.351	1493.52
110	280-28201-C-3-B	307.334	11951.68	2.825	11324.55	17.479	20519.56	16.302	58444.34	98.037	30628.57
111	280-28201-C-4-B	110.941	4627.65	0.100	440.05	1.888	2447.06	0.158	2567.07	1.205	633.40
112	280-28201-C-5-B	1459.593	63426.53	0.035	180.02	0.352	613.40	0.295	3300.61	3.942	1640.23
113	ccv-1394868	5019.102	216762.39	51.641	232095.74	52.451	68873.94	51.922	204401.81	51.463	18190.59
114	ccb-1394903	2.550	273.36	0.013	80.01	0.071	240.02	0.059	2360.38	-0.051	240.02
115	rinse	-0.882	126.68	0.009	66.67	0.024	180.02	0.013	2200.33	-0.014	253.36
116	rinse	1.253	213.35	0.002	33.34	0.002	146.68	0.056	2307.05	0.042	266.69
117	rinse	2.488	260.02	0.004	40.00	0.057	213.35	0.008	2087.00	0.255	333.36
118	rinse	1.362	213.35	0.018	100.01	0.052	206.69	-0.005	2033.63	0.336	360.04
119	rinse	1.582	220.03	0.006	46.67	0.048	200.02	0.154	2601.19	0.246	326.71
120	icis	0.000	140.02	0.000	0.00	0.000	180.01	0.000	1940.28	0.000	300.03
121	ic	10000.000	373660.78	100.000	392527.61	100.000	114225.07	100.000	337665.21	100.000	31710.21
122	ccv-1394868	5043.201	188024.34	51.386	201197.31	52.404	59788.57	51.952	175883.55	48.948	15628.02
123	ccb-1394903	1.250	180.02	0.010	40.00	0.030	206.69	-0.048	1706.92	-0.048	273.36
124	MB 280-117181...	8.678	446.72	0.016	60.01	0.003	173.34	0.122	2233.70	0.118	320.03

Analyte Table

		57 Fe [2]		59 Co [2]		60 Ni [2]		63 Cu [2]		66 Zn [2]	
	Sample Name	Conc. [ppb]	CPS	Conc. [ppb]	CPS	Conc. [ppb]	CPS	Conc. [ppb]	CPS	Conc. [ppb]	CPS
125	LCS 280-11718...	1.741	193.35	40.882	154615.70	41.094	45319.57	41.233	135206.59	34.982	10870.88
126	LCSD 280-1171...	2.217	206.69	40.960	152175.92	41.647	45119.52	42.113	135630.83	36.033	10991.04
127	280-28131-S-1-A	24.218	926.78	0.042	146.68	0.273	433.39	0.249	2427.08	1.640	720.08
128	280-28131-S-3-A	9.541	440.04	0.019	66.68	0.440	606.74	0.090	1960.25	0.160	306.70
129	280-28131-S-4-B	12.985	560.10	0.053	186.69	0.300	466.71	0.301	2620.45	0.173	313.37
130	280-28131-S-4-...	4.778	300.03	0.011	40.00	0.054	226.69	0.048	1960.29	0.936	560.06
131	ccv-1394868	5074.539	179219.17	49.885	185019.65	51.193	55327.55	50.739	162760.13	49.310	14914.20
132	ccb-1394903	1.503	173.35	0.011	40.00	0.055	213.35	-0.032	1606.90	-0.222	200.02
133	280-28131-S-4-...	5.815	300.03	39.080	130685.84	38.280	37334.20	38.961	113067.55	32.723	9003.05
134	280-28131-S-4-...	7.399	346.71	41.815	138898.67	41.104	39799.41	40.247	115940.40	35.465	9670.04
135	280-28131-S-4-...	13.716	546.73	207.992	688285.35	203.414	195699.07	202.585	575047.33	173.352	46161.70
136	280-28131-S-5-A	5.780	320.02	0.052	186.69	0.063	226.69	0.184	2287.02	0.096	293.36
137	280-28131-S-6-A	7.830	386.71	0.045	160.02	0.015	173.35	3.398	12005.01	1.209	606.74
138	280-28076-R-1-A	3462.571	104087.91	0.661	2086.96	20.948	19345.24	17.109	47719.69	233.284	59159.78
139	ccv-1394868	4960.021	169726.85	49.227	176890.10	50.596	52986.73	50.146	155861.64	50.792	14880.80
140	ccb-1394903	0.240	126.68	0.014	46.67	-0.027	126.68	0.041	1773.62	0.016	260.03
141	MB 280-117259...	66.060	2213.68	0.016	53.34	0.107	253.36	0.824	3960.76	3.062	1066.79
142	LCS 280-11725...	8.838	386.71	42.208	137593.89	43.444	41289.56	43.339	122420.93	39.579	10570.62
143	280-28099-E-4-B	1954.834	58992.06	0.581	1840.28	0.571	666.74	0.169	1980.27	0.676	406.71
144	280-28099-E-5-B	3.743	220.02	0.042	133.35	0.374	480.04	1.032	4274.20	1.304	560.07
145	280-28099-E-6-D	-0.457	93.34	0.032	100.01	0.545	626.74	0.662	3233.92	1.554	613.40
146	ccv-1394868	5057.687	147543.48	50.510	154749.90	49.737	44409.98	50.697	134332.08	48.628	12151.74
147	ccb-1394903	-0.585	86.67	0.013	40.00	0.054	180.02	-0.056	1293.49	-0.178	180.02
148	280-28141-F-1-B	20.214	653.40	0.227	653.40	1.305	1220.15	1.022	3907.44	0.543	340.03
149	280-28141-F-1-...	1.124	133.35	0.029	86.67	0.321	406.71	0.270	2100.29	0.681	380.04
150	280-28141-F-1-...	33.164	973.44	42.311	117635.57	44.198	35825.21	44.277	106642.18	36.626	8356.00
151	280-28141-F-1-...	8.671	326.70	41.295	115374.72	41.784	34047.29	43.596	105524.14	36.404	8349.20
152	280-28141-F-1-...	17.991	566.72	171.096	470945.11	173.737	139053.35	173.784	410492.51	158.229	35063.48
153	ccv-1394868	5034.816	135665.83	48.604	137540.35	49.872	41123.11	50.839	124409.16	50.555	11658.14
154	ccb-1394903	0.097	100.01	0.036	100.01	-0.047	86.67	-0.117	1066.80	0.112	233.36
155	280-28141-F-2-B	4.170	200.02	0.869	2340.37	1.584	1360.15	1.991	5888.04	0.679	346.71

Analyte Table

		57 Fe [2]		59 Co [2]		60 Ni [2]		63 Cu [2]		66 Zn [2]	
	Sample Name	Conc. [ppb]	CPS	Conc. [ppb]	CPS	Conc. [ppb]	CPS	Conc. [ppb]	CPS	Conc. [ppb]	CPS
156	280-28141-F-3-B	13.043	433.37	0.083	226.69	0.493	513.38	0.236	1866.92	0.381	286.69
157	280-28141-F-4-B	8.220	306.70	0.127	346.70	0.615	606.73	1.308	4354.28	0.816	380.04
158	280-28141-F-5-B	9.161	333.37	0.007	20.00	0.014	133.35	1.270	4287.55	1.597	553.39
159	280-28141-F-6-B	11.091	380.04	1.346	3654.02	2.575	2153.66	1.719	5301.29	6.155	1540.20
160	280-28141-F-7-B	7.623	293.36	0.255	700.09	1.136	1026.79	1.044	3767.38	0.560	326.70
161	ccv-1394868	4813.470	125225.10	49.309	134712.45	49.989	39799.61	49.916	117961.38	48.663	10844.23
162	ccb-1394903	1.865	140.01	0.007	20.00	-0.008	113.35	-0.033	1213.49	-0.434	106.68
163	MB 280-117691...	4.358	200.02	0.005	13.33	0.064	166.68	0.004	1273.49	-0.361	120.01
164	LCS 280-11769...	1.779	133.35	39.701	102820.29	39.004	29466.08	41.013	92104.40	34.878	7422.15
165	280-28194-A-9-D	595.406	14627.66	0.382	980.11	0.794	706.74	0.543	2427.02	0.822	360.03
166	280-28194-A-1...	3627.904	87767.58	1.625	4127.57	2.709	2113.66	3.510	8849.50	22.977	4861.06
167	280-28194-A-1...	704.691	17456.69	0.330	853.42	0.405	420.04	0.566	2500.38	4.280	1080.11
168	ccv-1394868	4956.239	121520.50	49.177	126622.46	48.894	36693.41	49.977	111318.38	51.590	10824.17
169	ccb-1394903	0.752	106.68	0.008	20.00	0.017	126.68	-0.023	1180.14	-0.312	126.68
170	280-28194-A-1...	3631.499	85089.49	40.769	100279.62	42.945	30801.63	43.520	92760.66	48.662	9763.39
171	280-28194-A-1...	3468.345	82256.04	38.753	96499.17	40.686	29539.89	42.025	90696.98	45.749	9303.19
172	280-28194-A-1...	3589.238	83829.40	200.661	492054.03	202.518	144381.65	205.514	432260.54	208.555	41109.83
173	280-28194-A-1...	384.457	9056.57	0.988	2420.41	1.935	1486.89	0.467	2160.34	1.655	506.71
174	280-28194-A-1...	746.733	17770.03	0.407	1013.45	1.155	946.76	0.543	2353.69	0.911	366.72
175	280-28194-A-1...	-0.015	86.68	0.000	0.00	-0.044	80.01	0.130	1486.93	-0.099	166.68
176	280-28252-I-1-E	90228.869	2098102.21	2.230	5447.90	1.011	826.78	0.216	1626.90	2.275	626.73
177	280-28262-D-1-C	278.434	6434.97	0.150	360.04	1.311	1020.14	2.243	5754.66	4.911	1120.14
178	ccv-1394868	5059.013	121473.23	49.492	124796.89	51.923	38149.24	50.234	109566.01	47.614	9796.72
179	ccb-1394903	0.104	86.67	0.005	13.33	-0.040	80.01	-0.014	1146.81	-0.212	140.02
180	280-28293-A-9-A	2.075	133.34	0.005	13.33	0.024	126.68	0.070	1326.85	0.835	346.70
181	280-28293-A-1...	8.919	293.36	0.027	66.68	0.229	273.37	0.342	1900.27	4.225	1013.44
182	280-28293-A-1...	1207.926	21914.92	0.561	1066.79	2.529	1480.20	1.032	2593.75	5.808	1026.78
183	280-28293-A-1...	371.263	7875.82	0.428	946.77	25.477	16422.14	0.681	2347.02	1.723	466.71
184	280-28293-A-1...	387.922	8102.98	0.172	373.38	6.118	3960.78	0.370	1733.58	1.747	466.71
185	280-28293-A-1...	5.261	313.36	0.013	46.67	-0.036	126.68	0.122	2166.98	1.433	700.09
186	280-28293-A-1...	14.802	646.74	0.022	80.01	1.646	1926.94	0.391	3007.20	3.366	1266.82

Analyte Table

		57 Fe [2]		59 Co [2]		60 Ni [2]		63 Cu [2]		66 Zn [2]	
	Sample Name	Conc. [ppb]	CPS	Conc. [ppb]	CPS	Conc. [ppb]	CPS	Conc. [ppb]	CPS	Conc. [ppb]	CPS
187	280-28293-E-2...	4.175	266.70	0.013	46.67	0.018	180.02	-0.014	1686.89	1.157	600.06
188	ccv-1394868	5151.341	173724.13	49.486	175254.39	49.614	51208.54	51.440	157536.58	49.684	14346.75
189	ccb-1394903	1.170	160.02	0.006	20.00	-0.016	140.01	-0.082	1440.19	0.164	306.70
190	MB 280-117626...	0.294	126.68	0.006	20.00	0.002	153.35	0.020	1693.57	-0.097	226.69
191	LCS 280-11762...	1.185	153.36	39.352	131584.30	39.922	38931.13	40.176	116522.21	38.665	10597.37
192	280-28240-G-1-K	2.330	180.02	0.246	780.09	15.601	14500.37	0.779	3634.06	11.796	3227.29
193	280-28240-G-1-...	8.070	360.04	0.076	246.69	3.214	3167.22	0.025	1626.88	3.833	1233.49
194	280-28240-G-1-...	7.295	320.03	38.531	118603.02	54.896	49229.36	38.819	103705.67	47.634	11964.99
195	280-28240-G-...	4.312	226.69	39.356	118247.18	55.358	48448.69	39.494	102947.01	45.817	11237.85
196	280-28240-G-1-...	2.797	180.02	201.534	592602.46	216.846	185385.80	197.806	498950.47	191.760	45353.54
197	280-28240-G-2-H	26.539	773.42	3.125	8415.96	2.675	2213.68	0.178	1706.88	2.255	686.75
198	ccv-1394868	4904.332	139521.04	50.162	149862.79	51.727	45031.39	49.778	128643.68	50.070	12192.09
199	ccb-1394903	-0.033	100.01	0.007	20.00	-0.037	100.01	-0.102	1166.79	0.412	313.36
200	280-28240-G-3-E	6.944	280.04	0.683	1900.29	2.542	2180.32	0.680	2960.51	8.731	2153.65
201	280-28240-G-4-E	16.262	480.05	4.033	10223.85	7.614	5721.38	0.773	2893.82	14.192	3067.24
202	280-28240-G-5-E	6.808	266.69	2.441	6548.46	3.634	2953.82	0.132	1593.55	3.258	900.09
203	280-28240-G-6-E	6.194	240.03	10.832	27796.44	20.450	15361.10	0.832	3060.51	13.676	3000.52
204	280-28240-G-7-E	6.365	253.37	1.823	4854.38	2.793	2280.33	0.547	2527.07	10.267	2387.05
205	280-28240-G-8-E	8.732	306.70	0.210	546.72	0.191	260.02	-0.014	1220.14	0.414	280.03
206	280-28240-G-9-E	10.888	346.71	3.072	7709.00	3.890	2947.22	0.021	1253.49	2.689	726.75
207	280-28240-G-1...	0.288	93.34	4.617	11538.06	6.289	4681.03	1.001	3340.66	7.906	1766.91
208	280-28240-G-1...	17.071	506.73	0.267	686.74	0.194	260.03	-0.020	1193.50	14.339	3140.56
209	ccv-1394868	4726.451	120464.83	48.822	130671.72	50.585	39453.12	49.105	113711.97	49.907	10890.95
210	ccb-1394903	3.937	193.35	0.000	0.00	0.033	146.68	-0.087	1093.46	-0.030	193.35
211	280-28240-G-1...	118.388	2700.46	0.460	1080.15	0.315	326.70	0.209	1540.20	7.364	1546.86
212	280-28240-G-1...	1.668	126.68	0.000	0.00	0.074	166.68	-0.054	1093.46	0.297	246.70
213	280-28240-G-1...	3.610	160.02	0.357	826.77	3.746	2627.08	0.980	3060.52	3.998	913.45
214	280-28240-G-1...	2.646	140.01	0.370	866.77	4.408	3107.22	0.308	1746.89	5.004	1113.46
215	280-28240-H-1...	8.075	253.36	0.661	1500.20	0.210	240.02	-0.062	973.44	1.198	386.71
216	280-28240-G-1...	35.218	846.76	0.276	633.39	0.177	220.02	0.149	1393.51	1.614	466.72
217	280-28240-G-1...	11.121	320.03	0.146	333.37	0.099	166.68	0.015	1126.80	0.972	346.70

Analyte Table

		57 Fe [2]		59 Co [2]		60 Ni [2]		63 Cu [2]		66 Zn [2]	
	Sample Name	Conc. [ppb]	CPS	Conc. [ppb]	CPS	Conc. [ppb]	CPS	Conc. [ppb]	CPS	Conc. [ppb]	CPS
218	280-28240-G-1...	29.015	686.75	0.151	333.37	0.158	200.03	0.791	2560.38	0.350	226.69
219	ccv-1394868	4788.254	107420.14	47.043	110820.57	47.637	32711.68	47.927	97725.99	51.341	9857.02
220	ccb-1394903	0.844	100.01	0.009	20.00	0.141	200.02	-0.083	960.12	-0.183	140.01
221	rinse	0.334	86.68	0.012	26.67	0.016	113.35	-0.060	986.79	-0.023	166.69
222	rinse	3.861	160.03	0.015	33.33	-0.021	86.67	-0.105	880.11	-0.226	126.68
223	rinse	-1.104	53.34	0.024	53.34	0.032	120.01	-0.047	980.11	-0.183	133.35
224	rinse	-1.401	46.67	0.012	26.67	-0.081	46.67	-0.084	900.10	-0.059	153.35
225	rinse	-1.059	53.34	0.006	13.33	0.004	100.01	-0.094	873.43	-0.203	126.68
226	icis	0.000	100.02	0.000	0.00	0.000	93.34	0.000	826.77	0.000	133.35
227	ic	10000.000	183990.10	100.000	191161.67	100.000	54317.42	100.000	163517.24	100.000	15761.63
228	ccv-1394868	5112.858	94609.46	50.620	97296.51	51.537	28197.48	49.682	82123.17	51.595	8249.37
229	ccb-1394903	4.354	180.02	0.007	13.33	-0.037	73.34	0.052	906.77	0.259	173.35
230	MB 280-117260...	0.995	113.35	0.007	13.33	0.096	140.01	0.138	1006.81	0.393	186.68
231	LCS 280-11726...	-3.488	33.33	39.960	74081.91	40.970	21621.44	40.648	64926.87	38.593	5981.48
232	280-28165-A-1...	23.798	500.04	0.066	120.01	3.106	1660.21	0.306	1226.80	1.529	346.71
233	ccv-1394868	5094.054	91191.11	49.925	92826.96	53.126	28097.38	51.726	82645.59	51.656	7982.56
234	ccb-1394903	2.871	146.68	0.000	0.00	-0.018	80.01	0.037	846.77	-0.222	93.34
235	280-28165-G-...	3915.287	61158.79	1.659	2707.12	6.010	2860.50	1.436	2660.41	4.935	780.10
236	280-28165-G-2...	3096.413	53429.26	1.543	2753.77	3.558	1906.92	1.154	2513.77	2.076	426.71
237	280-28165-G-3...	59.372	1060.13	0.114	193.35	0.464	306.70	1.740	3240.58	28.218	4034.17
238	280-28165-G-4...	1288.372	27863.86	0.586	1300.18	1.885	1293.51	0.858	2593.80	3.738	840.09
239	280-28165-G-5...	54.651	1273.49	0.100	220.02	0.224	246.69	0.458	1800.26	2.939	680.07
240	ccv-1394868	5518.655	164426.80	54.279	167938.44	56.344	49590.80	55.592	147709.39	54.117	13906.58
241	ccb-1394903	2.720	240.02	0.002	6.67	-0.041	113.34	0.101	1580.22	0.138	246.69
242	280-28165-G-6...	119.845	2993.91	0.118	293.36	0.510	480.05	0.133	1340.17	0.734	320.04
243	280-28165-G-7...	58.243	1473.52	0.042	100.01	1.587	1200.14	0.538	2133.70	0.110	186.68
244	280-28165-G-8...	3561.364	89516.50	1.263	3293.94	2.217	1766.94	0.529	2287.01	3.783	986.79
245	280-28165-G-9...	65.386	1886.96	0.298	826.77	1.082	986.78	0.457	2267.03	0.338	266.69
246	ccv-1394868	5588.941	165778.47	54.331	167369.12	55.851	48949.29	54.402	143950.79	52.636	13472.96
247	ccb-1394903	3.893	273.37	0.013	40.00	-0.056	100.01	0.013	1340.17	-0.389	113.34
248	280-28165-G-1...	2162.976	46148.41	1.159	2560.42	2.361	1586.86	1.237	3273.94	6.170	1266.81

Analyte Table

		57 Fe [2]		59 Co [2]		60 Ni [2]		63 Cu [2]		66 Zn [2]	
	Sample Name	Conc. [ppb]	CPS	Conc. [ppb]	CPS	Conc. [ppb]	CPS	Conc. [ppb]	CPS	Conc. [ppb]	CPS
249	280-28165-G-1...	23.251	706.74	0.114	293.37	0.265	320.03	0.082	1286.85	0.364	253.36
250	280-28165-G-1...	73.299	2167.12	0.098	280.03	1.225	1133.47	0.364	2106.97	0.643	346.71
251	280-28165-G-1...	720.892	19045.38	0.516	1406.86	15.755	12311.77	0.773	2953.87	4.095	1100.12
252	280-28165-G-1...	145.763	4274.38	0.075	220.02	3.429	3000.49	0.134	1586.88	2.380	773.41
253	ccv-1394868	5399.783	155474.67	53.658	160443.84	53.733	45713.50	54.487	139941.54	54.252	13472.89
254	ccb-1394903	5.609	313.37	0.011	33.34	0.067	200.02	0.061	1420.20	-0.071	186.68
255	280-28165-G-1...	672.823	16449.66	21.806	54965.49	36.302	26073.69	20.876	45867.63	18.960	4080.84
256	280-28165-G-1...	715.573	17230.24	21.974	54584.66	37.766	26728.53	21.256	46001.05	21.105	4454.28
257	280-28165-G-1...	718.587	17016.55	220.534	538659.08	229.962	159431.18	205.765	428764.54	183.952	36920.26
258	280-28165-G-1...	56.317	1266.82	0.216	460.05	0.390	340.03	0.383	1606.89	3.746	800.10
259	ccv-1394868	5573.559	154567.24	54.469	156877.31	55.062	45119.29	55.600	137516.52	55.847	13352.90
260	ccb-1394903	3.832	253.36	0.030	86.68	0.010	146.68	0.024	1280.15	0.016	200.02
261	rinse	-1.414	106.67	0.010	26.67	-0.035	106.68	-0.055	1060.14	0.560	320.03
262	rinse	-1.258	106.68	0.013	33.34	0.054	173.35	0.040	1246.82	-0.416	93.34
263	rinse	-1.997	86.68	0.005	13.33	0.014	140.01	-0.014	1106.79	-0.047	173.35
264	rinse	2.218	193.35	0.008	20.00	-0.064	80.01	0.063	1266.82	0.242	233.36
265	rinse	-0.075	133.35	0.010	26.67	0.036	153.35	0.034	1193.49	0.032	186.68
266	icis	0.000	186.69	0.000	13.33	0.000	106.67	0.000	1206.82	0.000	193.35
267	ic	10000.000	251672.36	100.000	255704.91	100.000	73679.50	100.000	216752.76	100.000	20933.64
268	ccv-1394868	5151.710	127246.42	51.666	129554.68	53.113	38410.77	51.793	110662.84	49.880	10330.52
269	ccb-1394903	3.132	260.03	0.030	86.68	0.099	173.35	0.037	1266.84	-0.180	153.35
270	280-28063-B-1...	-4.056	80.01	-0.005	0.00	0.030	120.01	-0.064	1000.13	-0.312	120.01
271	280-28063-E-1...	162.452	2560.42	0.067	113.34	0.708	380.04	0.118	880.12	17.135	2260.34
272	ccv-1394868	5547.267	147656.67	55.334	149525.07	54.789	42699.57	55.391	127442.04	54.014	12038.48
273	ccb-1394903	2.727	286.69	0.016	60.01	0.049	160.02	0.064	1506.86	0.336	293.36
274	280-28286-B-6...	381.174	8782.94	0.842	1946.94	1.911	1360.17	0.775	2587.13	2.289	600.07
275	ccv-1394868	5418.176	159737.41	54.249	162384.91	54.664	47197.54	56.044	142827.93	52.992	13092.57
276	ccb-1394903	4.145	340.04	0.026	93.34	0.117	226.69	0.031	1493.54	0.044	233.36
277	280-28117-E-1...	49.987	1360.19	0.039	106.68	0.020	113.34	0.091	1320.18	1.259	426.71
278	280-28117-E-1...	7.510	413.37	0.009	40.00	0.078	180.02	-0.026	1266.83	0.650	360.04
279	280-28117-E-1...	47.958	1266.83	4.559	10590.79	4.953	3393.98	4.576	10077.03	3.550	853.42

Analyte Table

		57 Fe [2]		59 Co [2]		60 Ni [2]		63 Cu [2]		66 Zn [2]	
	Sample Name	Conc. [ppb]	CPS	Conc. [ppb]	CPS	Conc. [ppb]	CPS	Conc. [ppb]	CPS	Conc. [ppb]	CPS
280	280-28117-E-1...	42.227	1246.83	4.458	11384.45	4.846	3660.73	4.036	9876.90	3.865	993.46
281	280-28117-E-1...	42.658	1273.50	222.713	574685.94	212.504	157828.54	205.857	449047.95	175.556	36933.84
282	ccv-1394868	5526.391	179084.02	54.825	180371.17	56.038	53174.28	54.912	153837.91	54.874	14887.52
283	ccb-1394903	0.890	266.70	0.007	40.00	0.020	153.35	0.088	1773.58	0.209	300.03

Analyte Table

		75 As [2]		77 (Se) [1]		78 Se [1]		82 (Se) [1]		93 Nb [2]	
	Sample Name	Conc. [ppb]	CPS	Conc. [ppb]	CPS	Conc. [ppb]	CPS	Conc. [ppb]	CPS	Conc. [ppb]	CPS
1	rinse-1394889		6.67				16.00		2777.01		240.02
2	icis	0.000	10.00			0.000	17.33	0.000	2376.93	0.000	173.35
3	cal-1394861	100.000	13158.66			100.000	61622.45	100.000	27612.34	200.000	724511.76
4	icv-1394869	43.390	5804.51			39.885	25014.92	37.879	12134.66	79.654	293161.55
5	icb-1394903	0.049	16.67			0.024	32.00	-0.828	2176.91	0.554	2213.69
6	icvl-1394870	5.328	713.37			4.991	3101.66	6.663	4063.94	0.282	1200.16
7	cri-1394886	1.322	186.68			0.951	598.69	2.110	2880.37	2.037	7669.01
8	cri-1394887	0.023	13.33			0.204	141.33	-0.826	2136.88	0.454	1853.60
9	icsa-1391205	0.429	63.33			0.038	36.00	0.584	2246.91	0.184	806.76
10	ICSAB-1372208	104.565	13192.08			101.785	57647.85	104.287	26373.66	199.601	693212.49
11	Carryover Check	-0.051	3.33			0.068	62.67	-1.731	2046.88	0.581	2387.02
12	lra-1305595	1997.156	241986.65			1907.919	1119346.66	1976.097	477305.07	0.324	1240.15
13	rinse	0.488	70.00			0.530	328.01	-3.612	1390.12	0.139	640.07
14	ccv-1394868	50.552	6361.40			51.688	30539.45	48.581	14025.99	97.736	338440.36
15	ccb-1394903	0.031	13.33			0.082	65.33	1.043	2533.60	0.924	3360.62
16	ccvl-1394870	5.686	736.71			5.097	3129.66	4.667	3517.18	0.382	1513.52
17	280-28063-B-1...	10.699	1340.12			4.061	2118.83	39.933	10473.54	0.321	1260.17
18	280-28063-B-1...	2.113	296.68			8.633	5079.46	24.775	8208.96	0.187	873.43
19	280-28063-B-1...	5.482	750.05			3.649	2161.50	32.989	10203.31	0.141	700.08
20	280-28063-B-1...	0.009	13.33			0.014	32.00	-2.508	2133.56	0.074	526.72
21	280-28063-B-1...	0.055	20.00			-0.010	13.33	-3.440	1763.51	0.067	480.06
22	280-28063-E-1...	1.874	216.68			0.598	257.34	88.839	16558.37	0.147	600.06
23	280-28063-E-1...	23.446	3327.14			2.989	1858.80	44.148	13512.25	0.103	586.72
24	ccv-1394868	49.495	8502.40			49.951	42408.89	51.255	21113.26	93.930	444209.32
25	ccb-1394903	0.085	26.67			0.066	74.67	3.361	4157.33	0.768	3740.69
26	ccv-1394868	51.631	8342.30			53.330	40032.56	53.434	19310.97	97.016	431344.98
27	ccv-1394868	51.375	8115.53			52.066	37759.75	53.548	18690.51	98.250	427042.10
28	ccb-1394903	0.138	33.33			0.033	44.00	-0.470	2623.64	1.097	4894.43
29		0.034	16.67			0.001	20.00	-0.199	2606.97	0.282	1380.16
30	rinse	-0.008	10.00			0.006	22.67	0.154	2623.65	0.178	906.77
31	rinse	0.154	33.33			0.020	32.00	-0.598	2426.96	0.124	686.75

Analyte Table

		75 As [2]		77 (Se) [1]		78 Se [1]		82 (Se) [1]		93 Nb [2]	
	Sample Name	Conc. [ppb]	CPS	Conc. [ppb]	CPS	Conc. [ppb]	CPS	Conc. [ppb]	CPS	Conc. [ppb]	CPS
32	ccv-1394868	51.895	7348.48			52.090	32834.12	52.267	15914.37	97.492	379836.35
33	ccb-1394903	0.116	26.67			0.053	49.33	2.967	3087.07	0.863	3460.62
34	280-28063-B-1...	9.219	1200.10			4.042	1944.14	45.265	10696.99	0.389	1546.87
35	280-28063-B-1...	1.863	253.35			8.535	4495.29	28.190	8082.16	0.177	813.43
36	280-28063-B-1...	4.774	636.71			3.777	1969.48	36.314	9693.05	0.124	620.07
37	ccv-1394868	48.572	7285.11			54.230	37239.99	58.754	19164.36	97.998	404404.88
38	ccb-1394903	-0.009	10.00			0.047	50.67	2.726	3337.14	0.925	3974.19
39	280-28286-B-6...	0.784	80.00			1.738	492.01	4626.220	529269.71	0.393	1126.80
40	280-28286-B-7...	0.242	46.67			0.394	241.34	1373.259	324010.39	0.354	1620.24
41	280-28286-B-8...	0.040	23.33			0.022	44.00	35.616	16087.72	0.099	813.43
42	280-28063-B-1...	0.024	20.00			0.023	45.33	10.389	7241.76	0.103	833.43
43	280-28063-E-1...	25.557	3650.54			2.723	1494.75	54.443	14199.57	0.103	593.41
44	ccv-1394868	48.498	9126.07			56.235	45644.41	66.321	25165.11	94.589	489860.38
45	ccb-1394903	0.033	20.00			0.048	60.00	8.454	5794.54	0.984	5207.89
46	ccv-1394868	52.613	9302.82			57.689	45181.90	60.532	22424.85	102.959	501340.03
47	ccv-1394868	47.032	8699.18			56.307	43992.30	58.275	21650.49	95.127	483916.71
48	ccb-1394903	0.015	16.67			0.048	58.67	4.173	4314.02	0.821	4374.33
49	rinse	0.107	33.33			0.037	49.33	5.160	4547.47	0.303	1746.91
50	rinse	0.265	60.00			0.020	36.00	3.206	3850.56	0.162	1013.45
51	rinse	0.137	36.67			0.014	30.67	3.806	3943.97	0.136	873.43
52	rinse	-0.036	6.67			0.004	22.67	5.036	4197.33	0.099	680.08
53	rinse	0.044	20.00			-0.005	16.00	2.364	3327.12	0.080	580.07
54	icis	0.000	23.33			0.000	18.67	0.000	3053.74	0.000	533.41
55	ic	100.000	15554.05			100.000	69980.51	100.000	32477.35	200.000	863726.13
56	ccv-1394868	51.870	7862.12			49.966	34880.67	49.588	17495.96	100.163	421211.89
57	ccb-1394903	-0.033	16.67			0.020	29.33	0.357	2773.68	0.610	2973.84
58	280-28063-B-1...	-0.052	13.33			0.012	22.67	-2.462	1843.50	0.192	1226.84
59	280-28063-E-1...	16.639	2066.87			1.697	837.37	28.171	7802.02	0.154	933.45
60	280-28286-B-7...	0.427	73.34			0.166	92.00	1029.897	211211.37	0.148	953.43
61	280-28286-B-8...	-0.021	20.00			0.010	26.67	14.099	7665.36	-0.015	466.71
62	ccv-1394868	52.060	8362.31			50.285	37973.48	54.878	20632.56	97.925	436429.26

Analyte Table

		75 As [2]		77 (Se) [1]		78 Se [1]		82 (Se) [1]		93 Nb [2]	
	Sample Name	Conc. [ppb]	CPS	Conc. [ppb]	CPS	Conc. [ppb]	CPS	Conc. [ppb]	CPS	Conc. [ppb]	CPS
63	ccb-1394903	-0.020	20.00			0.046	52.00	5.577	4730.84	0.645	3367.28
64	280-28283-A-8-B	20.531	3220.43			0.048	49.33	33.118	12287.99	0.388	2200.33
65	280-28283-A-9-B	1.869	323.35			0.528	377.34	10.837	5931.25	0.188	1366.86
66	280-28283-A-1...	0.624	116.67			0.024	32.00	7.744	4797.52	0.060	760.08
67	280-28283-A-1...	0.551	103.34			0.246	165.34	3.029	3293.78	0.045	680.08
68	ccv-1394868	49.497	7225.08			54.535	33627.58	52.251	16161.28	102.833	416381.15
69	ccb-1394903	0.088	33.33			0.030	33.33	1.061	2756.99	0.669	3120.51
70	280-28286-B-1-B	2.531	276.68			0.410	141.34	2902.228	400235.32	0.474	1713.56
71	280-28286-B-2-B	1.507	233.34			0.280	169.34	572.569	136882.83	0.133	993.46
72	280-28286-B-3-B	0.862	130.01			0.380	182.67	1720.864	330277.96	0.206	1166.81
73	280-28286-B-4-B	0.179	33.33			1.465	489.35	4900.153	682000.30	0.134	720.09
74	ccv-1394868	48.301	9763.08			53.925	51613.73	88.696	39835.43	96.594	541664.82
75	ccv-1394868	49.708	9906.44			53.389	50625.54	64.440	29739.08	98.645	545301.44
76	ccv-1394868	49.407	9796.33			52.667	48755.16	58.340	26644.18	98.100	539654.90
77	ccb-1394903	0.006	30.00			0.047	65.33	7.272	6498.11	0.743	4707.71
78	rinse	0.043	36.67			0.028	46.67	6.511	6104.70	0.211	1780.25
79	rinse	0.010	30.00			0.012	32.00	6.858	6007.94	0.058	946.78
80	rinse	-0.040	20.00			0.011	30.67	2.195	4257.41	0.009	680.07
81	rinse	0.088	43.33			0.006	25.33	3.363	4534.11	0.004	640.06
82	icis	0.000	10.00			0.000	33.33	0.000	4300.71	0.000	540.05
83	ic	100.000	16745.15			100.000	77419.95	100.000	35369.16	200.000	934718.68
84	ccv-1394868	49.623	8348.98			51.121	38153.78	50.903	19264.45	99.274	466117.26
85	ccb-1394903	0.048	16.67			0.020	44.00	-3.683	2710.33	0.806	4107.50
86	280-28286-B-2-B	1.259	176.68			0.205	128.00	523.885	112996.30	0.516	2347.01
87	280-28286-B-3-B	1.039	126.68			0.147	80.00	1684.361	293415.62	0.287	1280.16
88	280-28286-B-5-B	6.329	346.69			4.570	702.69	11636.847	719070.28	0.338	680.08
89	280-28286-B-1...	0.840	140.01			0.518	338.68	1601.272	396355.24	0.055	720.07
90	280-28286-B-4...	0.081	23.33			0.224	190.67	1142.264	336515.79	-0.033	360.04
91	ccv-1394868	51.042	10740.34			51.900	57036.59	88.951	45275.04	95.193	559014.45
92	ccb-1394903	0.006	13.33			0.001	46.67	20.128	15026.91	0.533	3860.80
93	rinse	-0.009	10.00			0.000	45.33	15.377	12931.84	0.126	1426.85

Analyte Table

		75 As [2]		77 (Se) [1]		78 Se [1]		82 (Se) [1]		93 Nb [2]	
	Sample Name	Conc. [ppb]	CPS	Conc. [ppb]	CPS	Conc. [ppb]	CPS	Conc. [ppb]	CPS	Conc. [ppb]	CPS
94	rinse	0.007	13.33			-0.012	32.00	10.942	10723.68	0.061	1020.12
95	rinse	-0.009	10.00			-0.005	38.67	6.755	8615.73	0.018	753.43
96	rinse	0.024	16.67			-0.002	41.33	5.152	7865.38	-0.014	553.39
97	icis	0.000	20.00			0.000	25.33	0.000	6521.45	0.000	453.38
98	ic	100.000	18633.59			100.000	99168.85	100.000	46815.77	200.000	1037842.44
99	ccv-1394868	54.429	9946.50			51.579	51065.58	50.304	26557.36	104.136	529749.63
100	ccb-1394903	0.108	36.67			0.053	74.67	-1.653	5361.02	0.904	4894.41
101	280-28286-B-2-B	1.415	226.68			0.155	122.67	504.529	146736.93	0.580	2767.15
102	280-28286-B-3-B	0.697	100.00			0.211	130.67	1524.724	353330.96	0.391	1646.90
103	280-28286-B-1...	1.101	166.68			0.238	164.00	1234.820	321652.27	0.078	626.74
104	280-28286-B-4...	-0.022	13.33			0.051	60.00	642.005	215488.60	0.038	553.39
105	ccv-1394868	53.299	10013.13			54.613	55383.73	69.725	35282.29	102.695	536998.71
106	ccb-1394903	-0.051	10.00			0.020	46.67	2.209	7758.67	0.788	4594.31
107	280-28286-B-5...	0.508	80.00			0.129	90.67	1195.813	294749.63	0.336	1540.22
108	280-28201-C-1-B	-0.050	10.00			0.028	52.00	19.750	14329.66	0.209	1506.87
109	280-28201-C-2-B	1.751	330.02			0.994	964.05	8.527	9192.75	0.155	1193.49
110	280-28201-C-3-B	3.515	546.70			0.854	648.03	10.792	7845.39	0.136	926.78
111	280-28201-C-4-B	5.267	853.39			0.099	100.00	16.590	10633.59	0.065	660.07
112	280-28201-C-5-B	0.187	50.00			0.455	396.01	20.334	12021.15	0.025	526.72
113	ccv-1394868	53.307	9072.65			51.288	45992.02	47.216	22918.73	102.729	486371.94
114	ccb-1394903	0.072	30.00			0.061	76.00	-5.170	3647.18	0.731	3860.82
115	rinse	-0.027	13.33			0.011	30.67	-4.358	3940.61	0.237	1533.54
116	rinse	-0.005	16.67			0.011	30.67	-4.438	3840.60	0.118	940.12
117	rinse	0.019	20.00			0.004	24.00	-3.845	3970.61	0.017	466.72
118	rinse	0.098	33.33			0.010	28.00	-4.585	3607.22	0.012	440.05
119	rinse	0.060	26.67			-0.009	12.00	-3.265	4033.99	-0.008	346.71
120	icis	0.000	0.00			0.000	17.33	0.000	3547.18	0.000	320.03
121	ic	100.000	15490.65			100.000	76923.15	100.000	35606.41	200.000	873750.61
122	ccv-1394868	51.275	7922.05			51.239	39286.96	50.104	19401.24	103.885	452826.39
123	ccb-1394903	0.218	33.33			0.037	44.00	0.447	3350.47	0.801	3760.76
124	MB 280-117181...	0.066	10.00			0.056	52.00	-2.684	2113.55	0.593	2820.46

Analyte Table

		75 As [2]		77 (Se) [1]		78 Se [1]		82 (Se) [1]		93 Nb [2]	
	Sample Name	Conc. [ppb]	CPS	Conc. [ppb]	CPS	Conc. [ppb]	CPS	Conc. [ppb]	CPS	Conc. [ppb]	CPS
125	LCS 280-11718...	36.089	5387.74			31.645	21428.97	28.370	10943.84	0.283	1493.53
126	LCSD 280-1171...	35.291	5174.29			32.263	21087.26	28.035	10503.46	0.149	913.44
127	280-28131-S-1-A	0.481	66.67			0.161	106.67	16.876	6634.88	0.142	833.45
128	280-28131-S-3-A	0.505	70.00			0.079	61.33	14.309	6328.07	0.097	660.07
129	280-28131-S-4-B	0.382	53.33			0.150	108.00	15.857	6901.64	0.050	480.04
130	280-28131-S-4-...	0.180	26.67			0.043	46.67	1.710	3637.23	-0.021	213.35
131	ccv-1394868	53.057	7765.37			49.674	36716.17	50.613	18860.72	100.655	415625.05
132	ccb-1394903	0.168	23.33			0.031	37.33	0.209	3083.74	0.858	3634.03
133	280-28131-S-4-...	37.905	5004.25			28.128	15793.82	45.331	13075.42	0.562	2353.70
134	280-28131-S-4-...	38.002	4984.26			28.592	16643.92	45.274	13542.37	0.231	1120.14
135	280-28131-S-4-...	182.886	23883.23			163.061	96059.26	178.708	46765.21	0.169	886.79
136	280-28131-S-5-A	0.237	33.33			0.140	108.00	-3.055	1983.53	0.070	566.74
137	280-28131-S-6-A	0.048	6.67			0.079	64.00	-4.673	1463.45	0.050	480.05
138	280-28076-R-1-A	2.864	356.68			0.121	74.67	185.091	43380.49	0.093	580.06
139	ccv-1394868	48.191	6834.92			49.577	34809.73	52.851	18577.11	99.412	397695.10
140	ccb-1394903	0.344	46.67			0.077	65.33	1.313	3220.42	0.910	3754.05
141	MB 280-117259...	0.126	16.67			0.023	26.67	-3.766	1606.81	0.334	1506.84
142	LCS 280-11725...	38.119	4904.21			36.060	21105.94	31.574	10250.01	0.120	693.40
143	280-28099-E-4-B	6.058	756.72			0.068	49.33	1.032	2600.31	0.084	546.73
144	280-28099-E-5-B	0.486	60.00			0.013	18.67	-0.835	2140.23	0.060	460.05
145	280-28099-E-6-D	0.356	43.33			0.026	25.33	0.100	2320.25	0.035	366.71
146	ccv-1394868	51.155	6184.66			49.966	28108.82	47.693	13662.42	102.621	350044.29
147	ccb-1394903	0.170	20.00			0.047	37.33	-0.826	2160.23	1.017	3614.02
148	280-28141-F-1-B	0.468	53.33			0.012	16.00	28.007	7908.81	0.398	1506.86
149	280-28141-F-1-...	0.259	30.00			0.017	20.00	4.192	3197.09	0.117	620.07
150	280-28141-F-1-...	39.385	4320.68			34.943	16853.42	63.366	14890.08	0.133	633.41
151	280-28141-F-1-...	38.735	4270.70			35.401	17077.63	65.599	15343.90	0.061	413.38
152	280-28141-F-1-...	158.419	17208.93			145.104	68998.17	174.236	36855.71	0.065	420.04
153	ccv-1394868	50.867	5681.11			49.337	25479.51	49.626	12961.87	102.941	324289.43
154	ccb-1394903	0.363	40.00			0.039	30.67	-0.044	2163.55	1.134	3754.08
155	280-28141-F-2-B	0.653	70.00			0.051	33.33	24.117	6688.20	0.579	1953.62

Analyte Table

		75 As [2]		77 (Se) [1]		78 Se [1]		82 (Se) [1]		93 Nb [2]	
	Sample Name	Conc. [ppb]	CPS	Conc. [ppb]	CPS	Conc. [ppb]	CPS	Conc. [ppb]	CPS	Conc. [ppb]	CPS
156	280-28141-F-3-B	0.278	30.00			0.052	34.67	2.022	2423.61	0.207	846.77
157	280-28141-F-4-B	0.529	56.67			0.028	22.67	21.616	6201.41	0.129	606.73
158	280-28141-F-5-B	0.278	30.00			-0.012	4.00	-3.436	1320.10	0.104	533.39
159	280-28141-F-6-B	0.902	96.67			0.032	24.00	46.258	10803.71	0.056	386.70
160	280-28141-F-7-B	0.771	83.34			0.036	26.67	34.644	8825.80	0.000	220.02
161	ccv-1394868	47.067	5074.23			49.810	24558.29	49.763	12404.77	103.548	314932.04
162	ccb-1394903	0.095	10.00			0.070	44.00	-1.211	1806.86	1.036	3300.65
163	MB 280-117691...	0.194	20.00			0.021	18.67	-4.400	1066.75	0.361	1266.82
164	LCS 280-11769...	39.367	4023.97			34.897	15293.34	31.681	7695.31	0.238	893.44
165	280-28194-A-9-D	6.090	616.71			0.443	200.00	1.608	2120.21	0.094	473.37
166	280-28194-A-1...	5.290	530.03			0.103	53.33	3.609	2476.96	0.124	553.40
167	280-28194-A-1...	1.076	110.01			-0.006	6.67	-2.497	1436.78	0.016	253.36
168	ccv-1394868	51.584	5241.01			48.745	21718.63	44.076	10146.58	103.168	295750.10
169	ccb-1394903	0.100	10.00			0.048	30.67	-1.729	1576.81	1.149	3473.96
170	280-28194-A-1...	44.139	4284.04			32.043	13275.79	38.871	8525.78	0.523	1626.90
171	280-28194-A-1...	42.847	4207.38			32.458	13470.56	35.561	7965.46	0.253	900.11
172	280-28194-A-1...	190.484	18430.18			169.197	69243.19	177.400	32259.94	0.199	740.09
173	280-28194-A-1...	0.548	53.34			0.345	152.00	0.688	1880.18	0.159	626.81
174	280-28194-A-1...	6.753	663.37			0.307	136.00	3.596	2386.96	0.070	393.38
175	280-28194-A-1...	0.067	6.67			0.040	25.33	-5.246	846.73	0.019	253.36
176	280-28252-I-1-E	1.866	180.01			0.230	100.00	121.382	22067.68	0.024	260.02
177	280-28262-D-1-C	0.985	93.34			0.117	54.67	16.262	4400.75	0.003	200.02
178	ccv-1394868	49.588	4934.20			49.202	22048.40	49.351	11197.34	104.679	293858.14
179	ccb-1394903	0.070	6.67			0.027	21.33	-0.791	1746.83	0.926	2707.11
180	280-28293-A-9-A	0.000	0.00			0.017	16.00	-4.547	976.74	0.358	1173.49
181	280-28293-A-1...	0.103	10.00			0.021	17.33	-5.146	863.39	0.136	566.73
182	280-28293-A-1...	10.097	756.72			36.557	9246.51	66.668	8158.93	0.209	593.41
183	280-28293-A-1...	20.669	1800.17			80.741	25638.43	136.447	19561.38	0.176	606.74
184	280-28293-A-1...	44.974	3853.91			26.472	7927.21	79.667	11290.71	0.084	373.37
185	280-28293-A-1...	0.114	16.67			0.079	70.67	-3.397	1993.54	-0.051	86.67
186	280-28293-A-1...	0.184	26.67			0.043	46.67	-5.559	1390.11	-0.011	246.69

Analyte Table

		75 As [2]		77 (Se) [1]		78 Se [1]		82 (Se) [1]		93 Nb [2]	
	Sample Name	Conc. [ppb]	CPS	Conc. [ppb]	CPS	Conc. [ppb]	CPS	Conc. [ppb]	CPS	Conc. [ppb]	CPS
187	280-28293-E-2...	0.047	6.67			0.036	38.67	-5.521	1316.78	0.017	353.37
188	ccv-1394868	51.577	7208.42			47.461	32782.08	44.608	15880.98	101.091	398578.44
189	ccb-1394903	0.145	20.00			0.054	50.67	-1.085	2550.29	0.815	3453.98
190	MB 280-117626...	0.050	6.67			0.018	24.00	-5.077	1313.44	0.246	1200.14
191	LCS 280-11762...	37.397	4934.23			32.384	19975.32	27.773	9813.10	0.143	800.09
192	280-28240-G-1-K	0.453	56.67			0.196	117.33	42.464	11937.81	0.120	673.41
193	280-28240-G-1-...	0.288	36.67			0.068	52.00	8.208	4510.79	0.010	293.36
194	280-28240-G-1-...	35.733	4340.73			31.443	16176.79	68.907	17078.75	0.065	466.71
195	280-28240-G-...	36.693	4354.07			32.596	16358.30	82.554	19538.02	0.030	340.04
196	280-28240-G-1-...	190.143	22064.38			167.205	81276.73	217.505	46514.73	0.020	300.03
197	280-28240-G-2-H	10.099	1073.42			0.395	172.00	138.111	25762.88	-0.023	146.68
198	ccv-1394868	51.380	6057.96			49.481	26211.29	55.785	14666.60	104.604	347895.80
199	ccb-1394903	0.147	16.67			0.057	41.33	0.032	2283.60	0.866	3067.21
200	280-28240-G-3-E	3.066	336.68			0.042	28.00	49.801	11263.99	0.436	1573.58
201	280-28240-G-4-E	0.766	76.67			0.179	77.33	82.046	14960.11	0.200	766.75
202	280-28240-G-5-E	4.532	480.03			0.078	41.33	54.342	11244.03	0.085	466.71
203	280-28240-G-6-E	10.634	1076.75			0.128	60.00	118.183	21814.12	0.087	453.38
204	280-28240-G-7-E	26.450	2780.35			0.074	41.33	45.788	10256.71	0.059	386.71
205	280-28240-G-8-E	3.283	336.68			0.096	49.33	49.902	10640.21	0.011	240.02
206	280-28240-G-9-E	4.107	406.69			1.162	478.68	74.406	14379.70	0.062	373.38
207	280-28240-G-1...	1.385	136.68			0.379	165.33	34.259	7708.63	-0.012	166.68
208	280-28240-G-1...	0.723	73.34			0.072	38.67	14.425	4294.04	-0.009	180.02
209	ccv-1394868	53.280	5627.76			48.561	22583.74	47.262	11210.66	105.639	314764.57
210	ccb-1394903	0.126	13.33			0.070	41.33	0.482	2033.54	0.932	3000.55
211	280-28240-G-1...	10.471	956.73			0.080	38.67	19.025	4700.80	0.529	1553.56
212	280-28240-G-1...	0.034	3.33			0.018	16.00	-4.099	1033.41	0.208	780.09
213	280-28240-G-1...	0.982	90.00			6.992	2498.89	44.906	8238.93	0.114	480.05
214	280-28240-G-1...	0.793	73.33			0.068	33.33	41.048	8032.17	0.036	280.02
215	280-28240-H-1...	1.083	96.67			0.052	25.33	53.046	9269.50	-0.008	160.01
216	280-28240-G-1...	15.746	1423.45			0.164	65.33	61.922	10726.96	0.025	246.69
217	280-28240-G-1...	3.860	346.68			0.100	41.33	55.906	9489.65	0.002	186.68

Analyte Table

		75 As [2]		77 (Se) [1]		78 Se [1]		82 (Se) [1]		93 Nb [2]	
	Sample Name	Conc. [ppb]	CPS	Conc. [ppb]	CPS	Conc. [ppb]	CPS	Conc. [ppb]	CPS	Conc. [ppb]	CPS
218	280-28240-G-1...	4.509	393.35			0.108	44.00	53.375	9139.43	0.002	180.01
219	ccv-1394868	51.809	4817.50			48.832	19582.89	50.670	10246.59	107.339	281534.42
220	ccb-1394903	0.181	16.67			0.021	16.00	-1.691	1366.79	0.927	2600.44
221	rinse	0.110	10.00			0.014	13.33	-1.512	1366.80	0.200	693.41
222	rinse	0.151	13.33			-0.007	5.33	-1.163	1386.79	0.086	393.37
223	rinse	0.075	6.67			0.016	13.33	-1.856	1246.77	0.047	293.36
224	rinse	0.115	10.00			0.028	17.33	-1.487	1270.11	0.037	266.69
225	rinse	0.116	10.00			0.026	16.00	-2.194	1146.76	0.025	233.36
226	icis	0.000	0.00			0.000	1.33	0.000	993.40	0.000	113.34
227	ic	100.000	7838.69			100.000	31356.80	100.000	14292.88	200.000	489812.74
228	ccv-1394868	54.475	4294.03			50.988	16084.73	54.928	8335.65	101.190	249177.77
229	ccb-1394903	0.255	20.00			0.095	32.00	2.233	1293.44	1.088	2807.19
230	MB 280-117260...	0.088	6.67			0.063	20.00	-1.360	743.39	0.418	1100.12
231	LCS 280-11726...	36.879	2803.68			35.705	10513.88	31.960	4900.85	0.215	620.07
232	280-28165-A-1...	0.000	0.00			0.082	25.33	-1.382	726.72	0.146	440.05
233	ccv-1394868	56.908	4340.76			49.824	15210.62	51.791	7658.64	102.279	243670.85
234	ccb-1394903	0.219	16.67			0.044	14.67	3.125	1350.12	0.938	2333.70
235	280-28165-G-...	2.487	163.34			0.174	38.67	261.183	24681.19	0.920	1980.37
236	280-28165-G-2...	7.092	520.03			0.397	97.33	1251.691	129932.28	0.332	880.11
237	280-28165-G-3...	1.824	126.67			8.527	1924.14	110.104	11253.91	0.178	486.72
238	280-28165-G-4...	1.433	130.01			9.363	2910.95	41.041	6378.10	0.371	1207.24
239	280-28165-G-5...	3.722	336.68			3.846	1186.73	43.788	6684.85	0.077	346.70
240	ccv-1394868	54.083	6864.89			51.530	30424.53	53.384	15213.80	98.380	390062.01
241	ccb-1394903	0.395	50.00			0.072	44.00	2.579	2410.26	0.863	3594.02
242	280-28165-G-6...	2.909	296.68			1.262	469.35	31.366	6084.64	0.393	1400.19
243	280-28165-G-7...	7.118	703.38			2.985	1045.38	32.390	5887.89	0.181	700.09
244	280-28165-G-8...	6.765	723.38			1.394	600.02	118.374	22912.06	0.324	1233.53
245	280-28165-G-9...	1.349	153.34			0.454	210.67	33.605	7975.41	0.084	460.06
246	ccv-1394868	54.750	6918.28			51.696	29568.41	52.306	14473.06	99.033	390932.83
247	ccb-1394903	0.159	20.00			0.115	66.67	3.016	2433.61	1.127	4621.00
248	280-28165-G-1...	5.283	480.03			49.084	14706.19	79.631	11060.50	0.751	2260.34

Analyte Table

		75 As [2]		77 (Se) [1]		78 Se [1]		82 (Se) [1]		93 Nb [2]	
	Sample Name	Conc. [ppb]	CPS	Conc. [ppb]	CPS	Conc. [ppb]	CPS	Conc. [ppb]	CPS	Conc. [ppb]	CPS
249	280-28165-G-1...	0.750	80.00			4.130	1486.75	33.108	6168.05	0.271	1046.80
250	280-28165-G-1...	3.889	456.70			15.059	7417.66	18.440	5367.73	0.121	613.40
251	280-28165-G-1...	4.263	476.69			17.226	7521.69	39.049	8585.82	0.208	886.79
252	280-28165-G-1...	0.885	106.67			3.397	1742.78	11.032	3970.64	0.075	453.39
253	ccv-1394868	54.581	6694.89			52.014	27704.21	51.620	13322.14	98.669	378064.87
254	ccb-1394903	0.246	30.00			0.054	30.67	2.992	2273.58	1.040	4140.84
255	280-28165-G-1...	24.721	2556.96			38.025	14604.77	62.823	11434.26	0.633	2193.66
256	280-28165-G-1...	25.287	2576.97			37.676	14356.59	53.474	9829.88	0.361	1293.53
257	280-28165-G-1...	210.630	21103.13			217.703	80525.67	239.920	38886.75	0.402	1400.33
258	280-28165-G-1...	1.710	150.01			3.570	986.71	42.058	5787.83	0.123	460.06
259	ccv-1394868	51.559	6091.30			51.481	26627.90	52.327	13091.97	101.242	373636.01
260	ccb-1394903	0.057	6.67			0.094	49.33	2.658	2093.54	1.106	4227.59
261	rinse	0.231	26.67			0.029	16.00	0.924	1670.15	0.349	1413.53
262	rinse	0.299	33.33			0.030	16.00	0.437	1503.47	0.172	753.42
263	rinse	0.152	16.67			0.043	21.33	1.243	1616.82	0.090	466.71
264	rinse	0.308	33.33			0.020	10.67	0.270	1386.77	0.067	380.04
265	rinse	0.124	13.33			0.051	24.00	0.192	1363.45	0.054	333.37
266	icis	0.000	13.33			0.000	9.33	0.000	1406.79	0.000	320.03
267	ic	100.000	10673.59			100.000	41815.26	100.000	19174.19	200.000	631132.35
268	ccv-1394868	52.486	5497.72			50.698	21410.30	48.044	10009.91	104.032	322081.96
269	ccb-1394903	0.005	13.33			0.077	41.33	1.870	1706.82	1.312	4354.37
270	280-28063-B-1...	-0.025	10.00			0.018	16.00	-0.452	1233.43	0.591	2040.30
271	280-28063-E-1...	2.013	136.67			0.590	108.00	119.438	9562.95	0.333	820.10
272	ccv-1394868	52.536	5927.90			54.249	25928.17	58.006	13352.19	105.388	351617.78
273	ccb-1394903	0.238	43.33			0.052	38.67	3.386	2456.95	1.135	4374.25
274	280-28286-B-6...	0.118	23.33			0.236	85.33	868.957	124087.79	0.441	1540.21
275	ccv-1394868	49.635	6208.03			50.941	27875.12	65.002	16931.95	102.542	378988.88
276	ccb-1394903	0.066	23.33			0.059	41.33	5.795	2880.36	1.170	4654.36
277	280-28117-E-1...	71.669	7201.73			38.245	13522.59	63.806	10750.30	0.568	1986.96
278	280-28117-E-1...	15.374	1813.51			7.854	3607.09	17.235	4854.18	0.256	1240.14
279	280-28117-E-1...	86.116	8332.31			43.744	14802.31	68.478	10967.18	0.215	900.10

Analyte Table

		75 As [2]		77 (Se) [1]		78 Se [1]		82 (Se) [1]		93 Nb [2]	
	Sample Name	Conc. [ppb]	CPS	Conc. [ppb]	CPS	Conc. [ppb]	CPS	Conc. [ppb]	CPS	Conc. [ppb]	CPS
280	280-28117-E-1...	77.308	8225.57			42.713	15848.51	67.209	11827.82	0.085	586.73
281	280-28117-E-1...	272.805	29351.36			219.623	85683.72	246.856	42291.30	0.112	680.07
282	ccv-1394868	54.665	7511.86			50.087	30190.91	50.329	14880.10	103.070	418710.15
283	ccb-1394903	0.048	23.33			0.099	72.00	1.778	2390.26	1.249	5408.02

Analyte Table

		95 Mo [2]		105 Pd [2]		107 Ag [2]		111 Cd [2]		114 (Cd) [2]	
	Sample Name	Conc. [ppb]	CPS	Conc. [ppb]	CPS	Conc. [ppb]	CPS	Conc. [ppb]	CPS	Conc. [ppb]	CPS
1	rinse-1394889		13.33		26.67		26.67		33.34		100.01
2	icis	0.000	0.00	0.000	13.33	0.000	40.00	0.000	0.00	0.000	66.67
3	cal-1394861	100.000	108007.30	100.000	200617.63	100.000	421854.81	100.000	41779.89	100.000	108842.13
4	icv-1394869	39.203	42714.51	41.000	82960.82	39.597	168508.04	39.522	16655.95	40.926	44974.69
5	icb-1394903	0.098	106.68	0.062	140.02	0.004	60.01	0.095	40.00	0.047	120.02
6	icvl-1394870	2.096	2287.02	0.010	33.34	5.288	22576.49	1.092	460.06	1.478	1693.56
7	cri-1394886	0.896	986.79	0.949	1953.64	1.034	4474.29	1.149	486.71	0.980	1153.47
8	cri-1394887	0.187	206.69	0.263	553.40	0.184	833.42	0.360	153.35	0.178	266.69
9	icsa-1391205	2008.997	2052991.69	0.028	66.67	0.069	313.36	0.691	273.36	0.449	526.72
10	ICSAB-1372208	2205.232	2226613.09	99.828	187207.53	100.835	397644.51	99.423	38832.99	101.377	103150.70
11	Carryover Check	2.176	2427.08	0.052	120.01	0.024	146.68	0.092	40.00	0.086	166.68
12	lra-1305595	1984.515	2019273.30	0.025	60.00	0.019	113.34	2024.724	796935.28	2046.066	2096778.87
13	rinse	1.710	1766.90	0.011	33.33	0.005	60.00	0.166	66.67	0.226	300.03
14	ccv-1394868	50.738	53431.20	49.878	97561.95	50.895	209369.01	49.369	20113.42	50.279	53391.72
15	ccb-1394903	0.439	460.06	0.062	133.34	0.007	66.68	0.148	60.01	0.052	120.01
16	ccvl-1394870	2.297	2460.41	0.034	80.01	5.473	22929.83	1.428	593.40	1.323	1493.53
17	280-28063-B-1...	10.316	10197.07	0.000	13.33	0.008	66.67	0.241	93.34	0.098	160.01
18	280-28063-B-1...	18.802	19833.04	0.021	53.34	0.003	53.34	0.165	66.67	0.101	173.35
19	280-28063-B-1...	8.075	8402.65	0.042	93.34	0.007	66.67	0.115	46.67	0.051	120.01
20	280-28063-B-1...	0.107	133.35	-0.007	0.00	-0.003	33.34	0.139	66.68	0.076	173.35
21	280-28063-B-1...	0.093	113.35	0.008	33.34	-0.003	33.34	0.071	33.33	0.057	146.68
22	280-28063-E-1...	25.269	20787.13	0.028	53.34	-0.010	0.00	0.084	26.67	0.050	93.34
23	280-28063-E-1...	26.518	28258.20	0.003	20.00	0.002	46.67	0.064	26.67	0.043	113.34
24	ccv-1394868	50.417	66488.51	50.205	122969.81	51.667	266073.69	53.569	27336.96	49.858	66283.32
25	ccb-1394903	0.122	160.02	0.029	86.67	0.003	66.67	0.052	26.67	0.034	126.68
26	ccv-1394868	49.709	64374.51	49.833	119868.54	50.551	255719.81	52.064	26081.59	51.101	66725.65
27	ccv-1394868	48.564	62039.09	49.993	118599.42	51.320	256083.33	52.697	26021.72	51.124	65835.13
28	ccb-1394903	0.100	126.68	0.047	126.68	0.008	86.68	0.042	20.00	-0.026	46.67
29		0.058	73.34	0.002	20.00	-0.001	40.00	0.014	6.67	0.001	80.00
30	rinse	0.045	53.34	0.023	66.67	-0.005	20.00	0.000	0.00	0.010	86.67
31	rinse	0.093	113.35	0.011	40.00	0.002	53.34	0.000	0.00	-0.013	60.01

Analyte Table

		95 Mo [2]		105 Pd [2]		107 Ag [2]		111 Cd [2]		114 (Cd) [2]	
	Sample Name	Conc. [ppb]	CPS	Conc. [ppb]	CPS	Conc. [ppb]	CPS	Conc. [ppb]	CPS	Conc. [ppb]	CPS
32	ccv-1394868	48.245	57396.56	48.619	107433.75	50.050	232580.98	51.233	23577.73	50.633	60736.37
33	ccb-1394903	0.137	160.02	0.055	133.35	0.005	66.67	0.133	60.01	0.039	120.01
34	280-28063-B-1...	8.744	9163.19	0.007	26.67	-0.002	33.33	0.152	60.01	0.056	126.68
35	280-28063-B-1...	18.274	19485.58	0.020	53.34	0.001	46.67	0.098	40.00	0.007	73.34
36	280-28063-B-1...	7.650	8102.47	0.000	13.33	-0.003	26.67	0.130	53.34	0.081	153.35
37	ccv-1394868	50.206	61804.46	50.062	114461.95	51.939	249779.03	50.843	24205.33	51.413	63820.61
38	ccb-1394903	0.082	100.01	0.017	53.34	0.007	80.01	0.085	40.00	-0.008	66.67
39	280-28286-B-6...	0.451	313.37	0.590	773.41	0.010	53.34	0.597	160.02	0.668	513.39
40	280-28286-B-7...	1.467	1620.23	0.065	146.68	0.009	80.01	0.095	40.00	0.058	133.35
41	280-28286-B-8...	0.044	66.68	-0.002	13.33	0.000	60.00	0.033	20.00	-0.014	73.34
42	280-28063-B-1...	0.026	40.00	-0.007	0.00	-0.001	53.34	0.067	40.00	0.041	160.02
43	280-28063-E-1...	29.986	32912.93	0.019	53.34	0.007	73.34	0.064	26.67	0.035	106.68
44	ccv-1394868	50.630	74205.72	50.723	138099.48	54.436	311716.59	52.340	29667.69	51.558	76178.03
45	ccb-1394903	0.084	120.01	0.063	186.68	0.013	126.68	0.048	26.67	0.043	153.35
46	ccv-1394868	53.842	74990.03	55.666	144126.84	57.088	310759.61	57.688	31056.44	57.818	81207.48
47	ccv-1394868	48.917	71850.15	50.176	136854.94	52.381	300567.00	50.484	28692.47	51.460	76251.37
48	ccb-1394903	0.114	166.68	0.042	133.35	0.006	86.68	0.047	26.67	0.010	106.68
49	rinse	0.028	40.00	0.010	46.67	-0.005	26.67	0.071	40.00	-0.007	80.01
50	rinse	0.032	46.67	0.018	66.67	-0.004	33.33	0.106	60.01	0.006	100.01
51	rinse	0.019	26.67	-0.007	0.00	0.012	120.01	0.036	20.00	-0.006	80.01
52	rinse	0.038	53.34	0.009	40.00	-0.002	40.00	0.074	40.00	0.042	146.68
53	rinse	0.029	40.00	0.009	40.00	0.002	60.01	0.087	46.67	0.010	100.01
54	icis	0.000	20.00	0.000	33.34	0.000	26.67	0.000	20.00	0.000	33.33
55	ic	100.000	126705.32	100.000	245466.17	100.000	541617.90	100.000	55351.31	100.000	137090.24
56	ccv-1394868	50.537	62352.90	51.571	123248.62	50.895	268385.65	50.801	27377.56	51.936	69334.60
57	ccb-1394903	0.106	146.69	0.027	93.34	0.006	53.34	0.015	26.67	0.083	140.02
58	280-28063-B-1...	0.012	33.33	0.013	60.01	0.006	53.34	0.003	20.00	0.074	126.68
59	280-28063-E-1...	20.240	20346.74	0.017	60.01	0.014	80.01	0.056	40.00	0.073	106.68
60	280-28286-B-7...	1.287	1340.18	0.054	133.35	0.032	160.02	0.172	93.34	0.065	100.01
61	280-28286-B-8...	0.005	26.67	0.008	53.34	-0.002	13.33	-0.036	0.00	0.009	46.67
62	ccv-1394868	51.258	65679.20	51.296	127359.74	51.421	281654.80	49.295	27603.90	52.315	72542.15

Analyte Table

		95 Mo [2]		105 Pd [2]		107 Ag [2]		111 Cd [2]		114 (Cd) [2]	
	Sample Name	Conc. [ppb]	CPS	Conc. [ppb]	CPS	Conc. [ppb]	CPS	Conc. [ppb]	CPS	Conc. [ppb]	CPS
63	ccb-1394903	0.078	120.01	0.037	126.68	0.011	86.67	0.047	46.67	0.120	200.02
64	280-28283-A-8-B	0.089	133.34	0.009	53.34	0.015	106.68	-0.023	6.67	0.078	140.02
65	280-28283-A-9-B	0.079	120.01	0.000	33.34	0.012	93.34	0.117	86.68	0.116	193.35
66	280-28283-A-1...	0.026	53.34	-0.011	6.67	0.000	26.67	0.000	20.00	0.126	206.69
67	280-28283-A-1...	0.038	66.67	-0.008	13.33	0.001	33.34	0.159	106.67	0.045	93.34
68	ccv-1394868	53.057	64554.89	51.748	121967.89	52.743	274276.85	49.499	26308.43	52.525	69134.32
69	ccb-1394903	0.063	93.34	0.035	113.34	0.012	86.67	-0.010	13.33	0.125	193.35
70	280-28286-B-1-B	1.669	1420.20	0.073	140.01	0.013	66.67	0.110	53.34	0.167	173.36
71	280-28286-B-2-B	1.867	2107.03	0.045	126.68	0.006	53.34	0.073	53.34	0.114	166.68
72	280-28286-B-3-B	1.159	1173.49	0.052	126.68	0.000	20.00	0.038	33.33	0.096	126.68
73	280-28286-B-4-B	1.262	960.11	0.207	320.03	0.016	66.67	0.190	73.34	0.100	100.01
74	ccv-1394868	55.502	81465.20	54.430	154764.49	55.264	346697.70	51.873	33261.08	53.496	84944.98
75	ccv-1394868	53.385	79007.73	54.551	156398.16	54.705	346060.10	52.037	33641.39	53.691	85957.43
76	ccv-1394868	54.443	79897.90	53.622	152449.50	53.990	338628.85	51.712	33153.76	52.963	84087.07
77	ccb-1394903	0.094	160.02	0.039	146.68	0.024	180.02	0.048	53.34	0.027	80.01
78	rinse	0.035	73.34	0.019	93.34	0.017	133.35	0.027	40.00	0.023	73.34
79	rinse	-0.002	20.00	0.025	106.68	0.001	33.34	0.059	60.01	0.023	73.34
80	rinse	0.008	33.34	0.008	60.01	0.001	33.33	0.060	60.01	0.036	93.34
81	rinse	-0.001	20.00	-0.004	26.67	0.011	93.34	0.040	46.67	0.041	100.01
82	icis	0.000	46.67	0.000	66.68	0.000	53.34	0.000	6.67	0.000	40.00
83	ic	100.000	138403.78	100.000	271130.75	100.000	591532.49	100.000	58200.07	100.000	150779.52
84	ccv-1394868	49.575	69520.11	48.755	133959.54	50.790	304384.13	49.153	28986.26	49.545	75675.46
85	ccb-1394903	0.091	166.68	0.042	173.35	0.026	200.02	0.036	26.67	0.096	180.02
86	280-28286-B-2-B	1.480	1746.93	0.027	113.34	0.004	60.00	0.099	53.34	0.071	120.01
87	280-28286-B-3-B	0.828	840.10	0.036	113.34	-0.002	26.67	0.103	46.67	0.100	133.35
88	280-28286-B-5-B	5.521	2313.69	1.530	1266.83	0.013	40.00	0.975	173.35	0.694	326.71
89	280-28286-B-1...	0.806	993.46	0.066	206.69	0.002	53.34	0.068	40.01	0.052	100.01
90	280-28286-B-4...	0.297	413.37	0.055	193.35	0.000	46.67	0.078	46.67	0.009	46.67
91	ccv-1394868	55.606	84518.47	53.983	160753.23	53.972	350572.66	51.851	33134.03	50.071	82894.67
92	ccb-1394903	0.069	160.01	0.007	93.34	0.009	120.01	0.060	46.67	0.087	193.36
93	rinse	-0.003	46.67	-0.004	60.01	0.010	126.68	0.039	33.34	0.028	93.34

Analyte Table

		95 Mo [2]		105 Pd [2]		107 Ag [2]		111 Cd [2]		114 (Cd) [2]	
	Sample Name	Conc. [ppb]	CPS	Conc. [ppb]	CPS	Conc. [ppb]	CPS	Conc. [ppb]	CPS	Conc. [ppb]	CPS
94	rinse	0.010	66.67	-0.011	40.00	0.000	60.01	0.109	80.01	0.021	80.01
95	rinse	-0.007	40.00	0.007	93.34	0.006	100.01	0.060	46.67	0.076	173.35
96	rinse	-0.015	26.67	-0.006	53.34	0.000	60.00	0.040	33.34	0.038	106.68
97	icis	0.000	20.00	0.000	20.00	0.000	113.34	0.000	13.33	0.000	86.67
98	ic	100.000	154265.74	100.000	293359.59	100.000	653952.88	100.000	61251.98	100.000	158361.79
99	ccv-1394868	52.382	81418.51	51.747	152909.95	51.353	338321.43	49.927	30802.81	51.955	82921.60
100	ccb-1394903	0.087	153.35	0.071	226.69	0.014	200.02	0.064	53.34	-0.002	80.01
101	280-28286-B-2-B	1.671	2207.01	0.052	146.68	0.000	93.34	0.184	106.68	0.037	120.01
102	280-28286-B-3-B	0.968	1046.79	0.092	200.02	0.003	86.67	0.090	46.67	0.057	120.01
103	280-28286-B-1...	1.022	1206.83	0.071	173.35	-0.007	46.67	0.108	60.00	0.043	113.34
104	280-28286-B-4...	0.193	273.36	0.028	86.68	-0.007	53.34	0.092	60.01	0.031	113.34
105	ccv-1394868	53.664	83568.27	52.315	154914.06	53.728	354639.52	54.530	33709.00	54.010	86365.81
106	ccb-1394903	0.034	73.34	0.053	180.02	-0.006	73.34	0.180	126.68	0.022	120.02
107	280-28286-B-5...	0.585	653.41	0.122	266.69	-0.001	73.34	0.040	26.67	0.089	160.01
108	280-28201-C-1-B	0.014	40.00	0.012	53.34	-0.009	46.67	0.077	60.01	0.058	173.35
109	280-28201-C-2-B	2.971	4514.32	0.005	33.34	-0.009	46.67	0.090	66.67	0.107	246.69
110	280-28201-C-3-B	33.474	44432.58	0.022	73.34	0.013	166.68	0.346	193.35	0.252	413.38
111	280-28201-C-4-B	15.103	21061.11	0.004	26.67	-0.002	86.68	0.039	33.34	0.163	306.70
112	280-28201-C-5-B	2.824	4267.57	-0.004	6.67	-0.010	40.00	0.127	86.68	0.069	186.68
113	ccv-1394868	50.570	73611.43	51.775	143294.14	51.939	320470.75	53.932	31157.11	52.167	77965.45
114	ccb-1394903	0.065	113.34	0.044	140.01	0.001	106.68	0.025	26.67	0.089	213.36
115	rinse	0.028	60.01	-0.002	13.33	-0.001	93.34	0.093	66.68	0.067	180.02
116	rinse	0.010	33.34	0.003	26.67	-0.009	46.67	0.059	46.67	0.014	100.01
117	rinse	0.029	60.00	0.008	40.00	-0.009	46.67	0.117	80.01	0.011	93.34
118	rinse	0.025	53.34	0.001	20.00	-0.004	73.34	0.037	33.34	-0.020	46.67
119	rinse	0.025	53.34	0.003	26.67	-0.013	20.00	-0.009	6.67	0.002	80.01
120	icis	0.000	26.67	0.000	0.00	0.000	33.34	0.000	40.00	0.000	106.68
121	ic	100.000	130711.54	100.000	252687.47	100.000	564961.68	100.000	54066.63	100.000	140528.84
122	ccv-1394868	51.290	68061.98	51.061	130945.43	51.902	297596.64	50.953	27978.34	51.316	73244.80
123	ccb-1394903	0.099	153.35	0.066	166.68	0.016	120.01	0.027	53.34	-0.002	100.01
124	MB 280-117181...	0.010	40.00	0.021	53.34	0.012	100.02	0.098	93.34	0.057	186.68

Analyte Table

		95 Mo [2]		105 Pd [2]		107 Ag [2]		111 Cd [2]		114 (Cd) [2]	
	Sample Name	Conc. [ppb]	CPS	Conc. [ppb]	CPS	Conc. [ppb]	CPS	Conc. [ppb]	CPS	Conc. [ppb]	CPS
125	LCS 280-11718...	38.564	51009.97	0.010	26.67	40.420	231030.27	38.367	21007.63	36.699	52235.68
126	LCSD 280-1171...	40.364	52742.81	0.013	33.34	40.928	231086.22	38.249	20687.49	37.292	52436.27
127	280-28131-S-1-A	7.848	9490.10	0.029	66.67	0.014	100.01	-0.018	26.67	0.096	220.02
128	280-28131-S-3-A	10.084	12198.59	0.009	20.00	0.006	60.01	0.048	60.00	0.081	200.02
129	280-28131-S-4-B	9.844	11978.34	0.009	20.00	0.008	73.34	0.114	93.34	0.049	160.02
130	280-28131-S-4-...	1.738	2200.31	0.030	73.34	0.009	80.01	-0.020	26.67	0.011	113.34
131	ccv-1394868	48.899	61998.96	49.972	122457.56	50.290	275559.38	49.325	25880.82	51.674	70473.64
132	ccb-1394903	0.023	53.34	0.034	80.01	0.019	133.35	0.033	53.34	0.104	233.36
133	280-28131-S-4-...	47.774	56820.86	0.003	6.67	36.012	185072.37	35.645	17570.32	35.255	45141.56
134	280-28131-S-4-...	51.253	59276.13	0.015	33.33	38.407	192020.90	34.858	16689.40	37.773	47027.12
135	280-28131-S-4-...	211.552	245201.28	0.006	13.33	129.113	647443.79	186.699	89480.20	183.917	229127.39
136	280-28131-S-5-A	0.135	193.35	0.003	6.67	1.200	6601.86	0.044	60.00	0.073	200.02
137	280-28131-S-6-A	0.059	100.01	0.005	13.33	0.589	3280.59	0.118	100.01	0.072	200.02
138	280-28076-R-1-A	3.196	3640.67	0.009	20.00	0.528	2613.77	0.042	53.34	0.085	193.36
139	ccv-1394868	47.726	59965.49	48.779	118468.16	50.465	274023.20	50.787	26408.51	50.040	67628.91
140	ccb-1394903	0.042	73.34	0.029	66.67	1.635	8476.26	0.037	53.34	0.056	166.68
141	MB 280-117259...	0.008	33.34	0.017	40.01	1.137	5941.51	-0.005	33.33	0.076	193.36
142	LCS 280-11725...	40.193	47045.58	0.009	20.00	43.028	217652.83	41.300	20006.53	41.350	52074.33
143	280-28099-E-4-B	0.153	200.02	0.000	0.00	0.187	966.78	0.012	40.00	0.060	166.68
144	280-28099-E-5-B	0.044	73.34	0.015	33.33	0.132	680.07	0.027	46.67	0.002	93.34
145	280-28099-E-6-D	0.474	560.06	0.003	6.67	0.090	466.72	-0.001	33.33	0.025	120.01
146	ccv-1394868	47.802	53242.90	49.341	106232.33	49.538	238490.26	50.747	23390.68	50.511	60529.49
147	ccb-1394903	0.059	86.67	0.034	73.34	0.135	666.74	0.017	40.00	0.107	213.36
148	280-28141-F-1-B	0.048	73.34	0.003	6.67	0.019	113.34	-0.012	26.67	0.082	180.02
149	280-28141-F-1-...	0.018	40.00	0.013	26.67	0.039	206.69	-0.027	20.00	-0.033	46.67
150	280-28141-F-1-...	38.221	40228.38	0.000	0.00	40.167	182735.81	39.616	17263.45	39.494	44740.13
151	280-28141-F-1-...	38.771	40951.14	0.010	20.00	39.521	180316.92	39.681	17343.26	39.287	44633.39
152	280-28141-F-1-...	189.374	196769.05	0.010	20.00	97.836	439890.05	157.935	67855.79	163.155	182208.75
153	ccv-1394868	47.822	49519.50	50.809	101684.47	49.887	223253.39	49.652	21281.37	50.028	55719.81
154	ccb-1394903	0.136	160.02	0.020	40.00	0.574	2587.09	0.022	40.01	0.028	113.35
155	280-28141-F-2-B	0.142	160.02	0.014	26.67	0.132	586.74	0.107	73.34	0.072	153.35

Analyte Table

		95 Mo [2]		105 Pd [2]		107 Ag [2]		111 Cd [2]		114 (Cd) [2]	
	Sample Name	Conc. [ppb]	CPS	Conc. [ppb]	CPS	Conc. [ppb]	CPS	Conc. [ppb]	CPS	Conc. [ppb]	CPS
156	280-28141-F-3-B	0.193	220.02	0.023	46.67	0.109	513.40	0.053	53.34	0.046	133.34
157	280-28141-F-4-B	0.032	53.34	0.003	6.67	0.101	480.06	0.037	46.67	0.004	86.67
158	280-28141-F-5-B	-0.007	13.33	0.000	0.00	0.176	813.42	0.068	60.01	0.076	166.68
159	280-28141-F-6-B	0.232	260.03	0.003	6.67	0.048	240.03	-0.009	26.67	0.077	166.68
160	280-28141-F-7-B	0.064	86.68	0.000	0.00	0.050	246.69	0.162	100.01	0.077	166.68
161	ccv-1394868	46.973	48322.96	47.064	93587.24	48.716	216604.92	50.307	21421.74	48.759	53954.69
162	ccb-1394903	0.040	60.01	0.031	60.01	0.191	853.44	0.009	33.34	0.069	153.35
163	MB 280-117691...	0.060	80.01	0.000	0.00	0.062	293.36	0.104	73.34	0.062	146.68
164	LCS 280-11769...	36.091	36152.88	0.010	20.00	39.246	169887.95	36.980	15334.59	37.814	40764.34
165	280-28194-A-9-D	0.095	113.35	0.011	20.00	0.030	153.34	0.059	53.34	0.052	133.35
166	280-28194-A-1...	0.176	193.35	0.017	33.33	0.043	206.69	0.108	73.34	0.154	240.02
167	280-28194-A-1...	0.035	53.34	0.025	46.67	0.016	93.34	0.010	33.34	0.027	106.68
168	ccv-1394868	46.768	45983.85	48.622	92400.45	48.383	205581.46	50.151	20407.21	49.222	52061.21
169	ccb-1394903	0.048	66.67	0.014	26.67	0.027	140.02	0.125	80.01	-0.004	73.34
170	280-28194-A-1...	34.766	33267.13	0.007	13.33	37.740	156045.34	37.011	14660.82	39.074	40229.32
171	280-28194-A-1...	33.999	33320.45	0.032	60.01	36.571	154871.79	34.972	14186.97	36.077	38044.07
172	280-28194-A-1...	183.328	175025.67	0.018	33.34	201.631	831417.36	194.020	76597.79	192.732	197797.72
173	280-28194-A-1...	0.154	166.68	0.000	0.00	0.243	1026.79	0.064	53.33	0.141	220.03
174	280-28194-A-1...	0.165	180.01	0.011	20.00	0.229	986.79	-0.072	0.00	0.086	166.69
175	280-28194-A-1...	0.028	46.67	0.000	0.00	0.601	2553.77	-0.039	13.33	0.010	86.67
176	280-28252-I-1-E	0.044	60.00	0.011	20.00	0.077	340.04	0.048	46.67	0.124	200.02
177	280-28262-D-1-C	2.816	2660.45	0.000	0.00	0.093	400.05	-0.037	13.33	0.006	80.01
178	ccv-1394868	45.772	44131.50	48.225	89881.39	48.886	203710.82	50.908	20307.00	49.512	51359.65
179	ccb-1394903	0.045	60.00	0.045	80.01	0.303	1240.15	0.048	46.67	-0.020	53.34
180	280-28293-A-9-A	0.043	60.01	0.007	13.33	0.380	1593.54	0.063	53.34	0.089	166.68
181	280-28293-A-1...	0.064	80.01	0.004	6.67	0.138	593.40	0.047	46.67	0.083	160.01
182	280-28293-A-1...	128.079	91145.22	0.034	46.67	0.116	373.37	0.019	26.67	0.013	66.67
183	280-28293-A-1...	41.184	32158.65	0.035	53.34	0.064	233.36	0.031	33.34	-0.002	60.01
184	280-28293-A-1...	180.301	132728.71	0.061	86.67	0.091	306.70	0.151	66.67	0.062	106.68
185	280-28293-A-1...	0.125	186.69	0.003	6.67	0.037	240.03	0.053	66.67	0.042	160.02
186	280-28293-A-1...	0.109	166.69	0.003	6.67	0.014	113.35	0.239	166.69	0.118	266.70

Analyte Table

		95 Mo [2]		105 Pd [2]		107 Ag [2]		111 Cd [2]		114 (Cd) [2]	
	Sample Name	Conc. [ppb]	CPS	Conc. [ppb]	CPS	Conc. [ppb]	CPS	Conc. [ppb]	CPS	Conc. [ppb]	CPS
187	280-28293-E-2...	0.011	40.00	0.000	0.00	0.001	40.00	0.053	66.67	0.008	113.35
188	ccv-1394868	47.177	58975.30	48.990	118362.32	49.464	267222.64	47.565	24606.16	49.480	66550.82
189	ccb-1394903	0.018	46.67	0.050	120.01	0.054	320.03	0.070	73.34	0.040	153.35
190	MB 280-117626...	0.045	80.01	0.020	46.67	0.031	193.35	0.059	66.67	0.017	120.01
191	LCS 280-11762...	36.512	44926.85	0.006	13.33	38.562	205018.40	38.088	19398.99	38.749	51292.42
192	280-28240-G-1-K	0.385	473.38	0.003	6.67	0.014	100.01	1.115	573.40	0.993	1340.16
193	280-28240-G-1-...	0.102	146.68	0.006	13.33	0.002	40.00	0.293	180.02	0.201	353.37
194	280-28240-G-1-...	37.174	42633.92	0.006	13.33	36.458	180663.17	37.530	17817.30	37.472	46251.73
195	280-28240-G-...	37.277	42460.41	0.000	0.00	36.012	177274.15	36.252	17089.64	38.322	46972.67
196	280-28240-G-1-...	189.823	212864.68	0.009	20.00	131.339	636648.58	184.423	85499.85	188.704	227466.90
197	280-28240-G-2-H	8.885	9289.85	0.013	26.67	1.194	5407.97	0.176	106.68	0.111	206.68
198	ccv-1394868	46.852	51906.94	48.239	103300.27	50.167	240207.90	48.817	22382.73	51.930	61880.46
199	ccb-1394903	0.035	60.01	0.032	66.67	0.496	2373.71	-0.057	6.67	0.016	106.68
200	280-28240-G-3-E	7.236	7749.00	0.016	33.34	0.068	340.05	0.004	33.34	0.078	173.35
201	280-28240-G-4-E	3.771	3740.75	0.007	13.33	0.019	106.68	0.304	153.35	0.354	453.38
202	280-28240-G-5-E	4.148	4314.24	0.000	0.00	0.005	46.67	0.084	66.67	0.058	146.68
203	280-28240-G-6-E	5.549	5494.59	0.014	26.67	0.018	100.01	0.369	180.02	0.341	440.06
204	280-28240-G-7-E	5.538	5681.41	0.017	33.33	0.014	86.67	0.164	100.01	0.073	160.01
205	280-28240-G-8-E	0.994	1026.80	0.007	13.33	0.014	86.67	-0.040	13.33	0.000	80.01
206	280-28240-G-9-E	4.231	4127.50	0.018	33.34	-0.006	0.00	0.161	93.34	0.067	146.68
207	280-28240-G-1...	2.264	2227.00	0.000	0.00	0.010	66.68	0.209	113.35	0.149	233.35
208	280-28240-G-1...	1.718	1766.90	0.000	0.00	-0.003	13.33	0.103	73.34	0.024	106.68
209	ccv-1394868	46.326	47607.46	46.928	93184.99	48.260	214292.41	50.687	21548.29	50.879	56213.93
210	ccb-1394903	0.077	100.01	0.047	93.34	0.017	100.01	-0.056	6.67	0.046	133.35
211	280-28240-G-1...	1.052	986.79	0.010	20.00	0.007	53.34	0.029	40.00	0.113	180.02
212	280-28240-G-1...	-0.007	13.33	0.010	20.00	0.000	26.67	-0.056	6.67	0.030	113.34
213	280-28240-G-1...	2.628	2473.72	0.007	13.33	0.011	66.67	0.170	93.34	0.531	606.74
214	280-28240-G-1...	0.960	920.12	0.015	26.67	-0.004	6.67	0.306	146.68	0.435	513.39
215	280-28240-H-1...	2.805	2613.77	0.015	26.67	-0.004	6.67	0.015	33.33	0.054	126.68
216	280-28240-G-1...	1.223	1153.51	0.007	13.33	-0.002	13.33	0.015	33.33	0.113	186.68
217	280-28240-G-1...	1.091	1020.13	0.007	13.33	-0.006	0.00	0.050	46.67	0.000	73.34

Analyte Table

		95 Mo [2]		105 Pd [2]		107 Ag [2]		111 Cd [2]		114 (Cd) [2]	
	Sample Name	Conc. [ppb]	CPS	Conc. [ppb]	CPS	Conc. [ppb]	CPS	Conc. [ppb]	CPS	Conc. [ppb]	CPS
218	280-28240-G-1...	1.173	1066.80	0.012	20.00	0.008	53.33	0.054	46.67	0.023	93.34
219	ccv-1394868	44.608	41531.56	45.587	82036.20	46.616	187533.08	48.245	18585.03	50.103	50169.77
220	ccb-1394903	0.044	60.01	0.048	86.68	0.019	100.01	0.068	53.34	-0.014	60.01
221	rinse	0.002	20.00	0.004	6.67	0.003	33.33	-0.002	26.67	-0.013	60.00
222	rinse	0.003	20.00	0.015	26.67	0.006	46.67	-0.054	6.67	-0.011	60.01
223	rinse	-0.020	0.00	0.015	26.67	0.008	53.34	0.036	40.00	-0.012	60.01
224	rinse	-0.020	0.00	0.000	0.00	0.005	40.00	0.020	33.33	-0.045	26.67
225	rinse	0.003	20.00	0.008	13.33	0.000	20.00	0.002	26.67	0.075	140.02
226	icis	0.000	6.67	0.000	20.00	0.000	53.34	0.000	40.00	0.000	40.00
227	ic	100.000	71561.17	100.000	140974.45	100.000	318436.00	100.000	31718.15	100.000	85212.67
228	ccv-1394868	49.837	35885.86	50.737	71999.52	52.326	167808.47	53.153	16996.30	50.839	43630.99
229	ccb-1394903	0.083	66.67	0.042	80.01	-0.002	46.67	0.188	100.01	-0.030	13.33
230	MB 280-117260...	0.056	46.67	0.005	26.67	-0.008	26.67	-0.016	33.34	0.040	73.34
231	LCS 280-11726...	37.955	26962.85	0.010	33.34	39.446	124706.71	39.205	12372.23	38.536	32613.08
232	280-28165-A-1...	0.079	60.01	-0.014	0.00	-0.012	13.33	0.031	46.67	0.128	140.01
233	ccv-1394868	51.098	35832.69	52.620	72693.78	51.640	161134.16	53.757	16729.52	51.614	43103.34
234	ccb-1394903	0.067	53.34	0.049	86.67	0.001	53.34	-0.058	20.00	0.075	100.01
235	280-28165-G-...	4.786	2940.50	0.058	86.68	0.018	93.34	0.029	40.00	0.045	66.67
236	280-28165-G-2...	8.714	5694.69	0.082	120.01	-0.003	40.00	0.202	93.34	0.246	226.69
237	280-28165-G-3...	43.868	25814.14	0.038	60.00	0.004	53.34	-0.020	26.67	0.011	40.00
238	280-28165-G-4...	15.392	11944.93	0.086	153.36	-0.004	40.01	-0.085	13.33	0.126	160.02
239	280-28165-G-5...	23.658	17663.79	0.018	46.67	0.004	66.67	-0.023	33.34	0.127	153.35
240	ccv-1394868	56.009	58159.34	55.757	114093.14	55.659	257214.87	56.822	26181.67	53.014	65567.80
241	ccb-1394903	0.099	113.34	0.047	126.68	-0.008	40.00	-0.108	6.67	0.018	80.00
242	280-28165-G-6...	14.773	12718.95	0.057	120.01	-0.004	46.67	-0.053	26.67	0.084	133.35
243	280-28165-G-7...	8.133	6768.62	0.043	93.34	0.036	193.36	-0.067	20.00	0.055	100.01
244	280-28165-G-8...	6.671	6014.89	0.024	66.67	-0.008	33.34	-0.021	40.00	0.049	100.01
245	280-28165-G-9...	7.440	7135.49	0.021	66.67	-0.004	53.34	0.051	73.34	0.048	106.67
246	ccv-1394868	55.656	58432.77	55.177	114127.54	54.705	255557.54	55.532	25874.42	52.792	66008.79
247	ccb-1394903	0.136	153.35	0.044	120.01	0.006	106.68	0.005	60.01	0.097	180.02
248	280-28165-G-1...	26.054	19826.03	0.026	60.01	0.007	80.01	0.056	60.01	0.204	226.69

Analyte Table

		95 Mo [2]		105 Pd [2]		107 Ag [2]		111 Cd [2]		114 (Cd) [2]	
	Sample Name	Conc. [ppb]	CPS	Conc. [ppb]	CPS	Conc. [ppb]	CPS	Conc. [ppb]	CPS	Conc. [ppb]	CPS
249	280-28165-G-1...	11.992	10684.12	0.028	73.34	-0.013	13.33	0.013	53.34	0.043	93.34
250	280-28165-G-1...	6.114	6148.27	0.000	26.67	-0.012	20.00	-0.018	46.67	0.016	73.34
251	280-28165-G-1...	9.207	8816.28	0.022	66.67	-0.008	33.33	-0.091	13.33	0.118	186.69
252	280-28165-G-1...	1.820	1880.27	-0.004	20.00	-0.006	46.67	-0.064	26.67	0.041	106.68
253	ccv-1394868	54.584	56841.00	54.786	112356.27	53.471	247758.12	53.320	24639.21	52.459	65032.61
254	ccb-1394903	0.049	60.00	0.045	120.01	0.004	93.34	-0.021	46.67	0.062	133.35
255	280-28165-G-1...	31.093	28405.00	0.001	26.67	18.556	75480.23	18.140	7388.92	17.837	19439.08
256	280-28165-G-1...	31.091	27863.90	0.009	40.00	19.226	76699.53	17.907	7155.45	17.160	18344.58
257	280-28165-G-1...	226.760	203581.74	0.027	73.34	183.799	734559.39	189.963	75601.15	182.333	194890.48
258	280-28165-G-1...	25.717	19672.41	0.044	86.67	0.219	800.09	0.275	133.35	0.270	286.70
259	ccv-1394868	53.758	54869.32	53.421	107419.74	54.639	248142.80	53.067	24038.65	51.428	62522.75
260	ccb-1394903	0.160	173.35	0.032	93.34	0.053	313.37	0.009	60.01	0.081	153.35
261	rinse	0.044	53.34	-0.004	20.00	0.015	140.01	-0.062	26.67	0.037	100.01
262	rinse	0.019	26.67	-0.003	20.00	-0.010	26.67	-0.076	20.00	-0.011	40.00
263	rinse	0.026	33.34	0.007	40.00	-0.005	46.67	0.018	60.01	0.012	66.67
264	rinse	0.005	13.33	-0.007	13.33	0.002	80.01	-0.075	20.00	-0.046	0.00
265	rinse	-0.009	0.00	-0.007	13.33	-0.010	26.67	-0.091	13.33	-0.011	40.00
266	icis	0.000	20.00	0.000	40.00	0.000	60.00	0.000	60.00	0.000	113.34
267	ic	100.000	91320.07	100.000	179918.88	100.000	412852.28	100.000	42434.16	100.000	110459.49
268	ccv-1394868	52.210	45835.93	54.212	93741.68	53.761	213300.03	52.613	21475.06	54.175	57552.31
269	ccb-1394903	0.116	120.01	0.081	180.01	0.017	126.68	0.052	80.01	-0.015	93.34
270	280-28063-B-1...	0.001	20.00	0.009	53.34	-0.010	20.00	-0.127	6.67	-0.021	86.67
271	280-28063-E-1...	31.740	17016.12	0.059	86.68	0.010	60.01	0.015	40.00	-0.002	66.68
272	ccv-1394868	57.747	52361.40	56.474	100832.57	56.628	232076.45	55.338	23330.79	55.603	60997.76
273	ccb-1394903	0.068	86.68	0.091	213.36	0.016	133.34	-0.069	33.33	0.005	126.68
274	280-28286-B-6...	0.115	106.68	0.151	266.70	-0.001	46.67	-0.016	46.67	0.072	166.69
275	ccv-1394868	54.654	54714.55	55.859	110142.29	56.629	256211.14	54.304	25273.87	53.433	64730.91
276	ccb-1394903	0.111	133.35	0.017	80.01	0.015	140.01	-0.045	46.67	0.047	186.69
277	280-28117-E-1...	34.165	27917.65	0.019	66.67	0.009	86.67	-0.127	6.67	-0.037	66.67
278	280-28117-E-1...	6.658	6341.70	0.002	46.67	-0.004	46.67	-0.053	40.00	0.040	166.68
279	280-28117-E-1...	40.098	31931.31	0.015	60.01	3.788	13713.35	3.632	1386.83	3.441	3420.68

Analyte Table

		95 Mo [2]		105 Pd [2]		107 Ag [2]		111 Cd [2]		114 (Cd) [2]	
	Sample Name	Conc. [ppb]	CPS	Conc. [ppb]	CPS	Conc. [ppb]	CPS	Conc. [ppb]	CPS	Conc. [ppb]	CPS
280	280-28117-E-1...	40.825	34642.81	-0.007	26.67	3.965	15261.32	3.954	1613.55	3.538	3734.13
281	280-28117-E-1...	280.807	236855.71	0.005	46.67	193.584	738309.16	181.568	71115.48	180.771	184343.02
282	ccv-1394868	58.691	62273.18	57.478	120121.51	57.090	273775.96	54.744	27002.77	55.564	71329.45
283	ccb-1394903	0.103	133.34	0.025	100.01	0.014	140.02	-0.022	60.01	-0.037	86.67

Analyte Table

		120 Sn [2]		121 Sb [2]		137 Ba [2]		182 W [2]		195 Pt [2]	
	Sample Name	Conc. [ppb]	CPS	Conc. [ppb]	CPS	Conc. [ppb]	CPS	Conc. [ppb]	CPS	Conc. [ppb]	CPS
1	rinse-1394889		213.35		20.00		0.00		1146.84		80.01
2	icis	0.000	186.68	0.000	33.34	0.000	0.00	0.000	826.77	0.000	53.34
3	cal-1394861	100.000	92571.66	100.000	68338.58	100.000	21088.28	100.000	534347.71	100.000	495890.68
4	icv-1394869	39.994	37462.94	38.129	26301.93	40.550	8623.14	40.487	219615.81	39.921	200536.22
5	icb-1394903	0.102	286.70	0.772	566.74	0.000	0.00	0.075	1240.18	0.007	86.67
6	icvl-1394870	10.500	9990.54	2.116	1493.54	1.065	226.69	0.011	893.45	0.000	53.34
7	cri-1394886	1.025	1153.47	1.182	853.44	1.209	260.03	1.079	6708.61	1.012	5168.04
8	cri-1394887	0.170	353.37	0.360	286.70	0.370	80.00	0.186	1853.60	0.213	1133.49
9	icsa-1391205	0.414	540.07	0.311	233.35	0.268	53.34	0.137	1486.88	0.009	93.34
10	ICSAB-1372208	101.802	88093.62	105.159	67175.38	105.149	20728.00	101.182	519261.27	95.359	454151.95
11	Carryover Check	0.108	300.03	0.093	100.01	0.127	26.67	0.043	1100.16	0.026	186.68
12	lra-1305595	2010.428	1749896.90	1891.332	1217093.96	5177.571	1028736.57	0.120	1420.20	-0.001	46.67
13	rinse	0.858	940.12	13.647	8956.39	0.561	113.34	0.010	866.77	0.007	86.67
14	ccv-1394868	49.740	44995.08	54.610	36407.53	52.671	10830.96	50.405	272154.41	50.179	251077.20
15	ccb-1394903	0.137	306.70	4.253	2853.85	0.000	0.00	0.107	1406.86	0.012	113.34
16	ccvl-1394870	10.345	9663.64	4.663	3187.26	1.148	240.02	0.035	1026.80	0.005	80.01
17	280-28063-B-1...	2.221	2053.64	1.400	906.78	2.629	506.72	0.014	806.76	0.000	46.67
18	280-28063-B-1...	0.091	266.69	1.268	880.11	2.988	613.40	-0.030	640.07	0.006	80.01
19	280-28063-B-1...	-0.001	180.02	1.158	793.43	2.891	586.73	-0.007	753.42	-0.007	20.00
20	280-28063-B-1...	0.046	266.69	0.484	420.04	0.027	6.67	-0.003	913.46	-0.002	46.67
21	280-28063-B-1...	0.006	220.02	0.296	266.69	0.000	0.00	-0.007	873.43	-0.002	46.67
22	280-28063-E-1...	0.162	260.03	1.167	633.40	5.317	853.43	0.027	693.41	-0.007	13.33
23	280-28063-E-1...	0.117	293.36	0.466	346.71	2.047	426.72	-0.003	753.42	0.014	113.34
24	ccv-1394868	50.915	57679.07	49.903	41653.30	49.831	12826.09	49.349	313744.19	48.548	285997.85
25	ccb-1394903	0.152	400.05	0.810	713.41	0.000	0.00	0.049	1286.85	0.018	166.69
26	ccv-1394868	51.391	57151.99	52.074	42688.96	53.726	13586.53	50.127	316263.73	49.138	287293.47
27	ccv-1394868	51.098	56053.89	50.602	40918.08	53.824	13433.20	49.552	312232.69	49.720	290284.91
28	ccb-1394903	0.053	280.03	0.586	513.39	0.000	0.00	0.050	1280.18	0.013	140.02
29		-0.012	206.69	0.177	180.01	0.000	0.00	0.013	1040.14	0.003	80.00
30	rinse	0.056	266.69	0.187	180.02	0.000	0.00	0.009	993.46	0.001	66.67
31	rinse	0.014	226.69	0.072	93.34	0.000	0.00	0.000	946.78	0.002	73.34

Analyte Table

		120 Sn [2]		121 Sb [2]		137 Ba [2]		182 W [2]		195 Pt [2]	
	Sample Name	Conc. [ppb]	CPS	Conc. [ppb]	CPS	Conc. [ppb]	CPS	Conc. [ppb]	CPS	Conc. [ppb]	CPS
32	ccv-1394868	52.463	53592.64	49.932	37603.47	53.054	12325.49	50.263	303559.06	49.074	274666.40
33	ccb-1394903	0.143	346.70	0.338	286.70	0.029	6.67	0.067	1313.51	0.009	106.67
34	280-28063-B-1...	2.650	2553.76	0.317	240.02	2.296	473.39	0.016	893.45	-0.003	40.00
35	280-28063-B-1...	0.155	326.70	0.197	166.69	2.890	600.07	-0.005	806.75	-0.004	33.34
36	280-28063-B-1...	0.107	280.03	0.229	186.68	3.064	633.41	0.009	866.78	-0.005	26.67
37	ccv-1394868	51.978	54963.76	48.826	38051.61	52.698	12665.83	50.363	316735.85	49.913	290902.14
38	ccb-1394903	0.146	366.71	0.184	180.02	0.167	40.00	0.054	1300.17	0.021	186.69
39	280-28286-B-6...	0.565	460.06	1.431	653.40	289.120	39314.85	0.114	846.77	0.003	40.01
40	280-28286-B-7...	0.077	266.70	0.315	253.35	63.414	13673.29	0.037	1006.81	0.000	53.34
41	280-28286-B-8...	-0.002	266.69	0.040	86.67	0.133	40.00	0.007	1193.47	0.004	100.01
42	280-28063-B-1...	-0.007	260.03	0.005	53.34	0.044	13.33	0.015	1266.84	0.001	80.01
43	280-28063-E-1...	0.204	380.03	0.135	126.68	1.583	340.03	0.007	873.44	0.011	113.35
44	ccv-1394868	51.238	64503.99	46.616	43270.51	52.016	14894.66	50.263	366888.59	49.870	337382.31
45	ccb-1394903	0.084	353.37	0.177	206.68	0.000	0.00	0.078	1673.57	0.011	146.68
46	ccv-1394868	56.825	67970.92	51.774	45736.88	54.720	14901.01	55.322	381418.08	54.151	346035.57
47	ccv-1394868	51.444	64865.33	47.111	43791.31	52.933	15167.91	49.636	361951.34	49.985	337652.22
48	ccb-1394903	0.062	333.36	0.232	260.03	0.000	0.00	0.063	1573.55	0.019	200.03
49	rinse	0.079	353.37	0.052	93.34	0.023	6.67	0.020	1246.84	0.001	80.01
50	rinse	-0.022	226.69	0.031	73.34	0.000	0.00	-0.005	1073.47	0.000	73.34
51	rinse	-0.007	240.02	-0.004	40.00	0.024	6.67	0.010	1166.84	-0.005	40.00
52	rinse	-0.032	206.69	0.041	80.01	0.025	6.67	0.001	1100.15	0.002	86.67
53	rinse	0.000	240.03	0.065	100.02	0.100	26.67	0.019	1213.53	-0.007	26.67
54	icis	0.000	253.36	0.000	100.01	0.000	33.34	0.000	1213.48	0.000	93.34
55	ic	100.000	118248.01	100.000	80704.51	100.000	26142.22	100.000	708669.50	100.000	635792.45
56	ccv-1394868	51.414	59297.97	51.143	40230.27	51.929	13239.57	50.307	356595.55	50.669	321701.88
57	ccb-1394903	0.102	353.37	0.137	200.02	-0.126	0.00	0.064	1620.26	0.002	106.68
58	280-28063-B-1...	-0.002	233.36	0.026	113.35	-0.045	20.00	-0.012	1080.14	0.003	106.67
59	280-28063-E-1...	0.073	266.70	0.021	93.34	1.025	240.02	-0.024	826.76	-0.009	26.67
60	280-28286-B-7...	0.081	280.03	0.061	120.01	52.911	11231.32	-0.007	920.11	-0.002	66.67
61	280-28286-B-8...	0.047	313.37	-0.042	66.67	-0.027	26.67	0.018	1360.19	0.001	100.01
62	ccv-1394868	51.632	61860.79	49.608	40537.10	52.268	13833.36	48.752	354916.57	50.840	331535.18

Analyte Table

		120 Sn [2]		121 Sb [2]		137 Ba [2]		182 W [2]		195 Pt [2]	
	Sample Name	Conc. [ppb]	CPS	Conc. [ppb]	CPS	Conc. [ppb]	CPS	Conc. [ppb]	CPS	Conc. [ppb]	CPS
63	ccb-1394903	-0.039	206.68	0.040	133.35	-0.076	13.33	0.056	1620.24	0.011	166.68
64	280-28283-A-8-B	-0.002	246.69	0.025	120.01	163.484	42971.12	0.022	1393.54	-0.004	66.67
65	280-28283-A-9-B	0.235	540.06	0.006	106.68	47.325	12699.19	0.009	1333.51	-0.011	26.67
66	280-28283-A-1...	0.036	293.36	-0.032	73.34	48.196	12672.47	-0.010	1153.48	-0.007	46.67
67	280-28283-A-1...	0.083	346.71	-0.073	40.00	30.704	8022.59	0.013	1313.50	-0.001	86.68
68	ccv-1394868	53.055	60349.54	50.895	39480.79	52.650	13232.91	51.815	369297.94	51.983	331939.32
69	ccb-1394903	0.033	273.36	0.043	126.68	-0.018	26.67	0.044	1493.53	0.001	100.01
70	280-28286-B-1-B	0.061	213.36	0.512	340.04	42.637	7415.61	0.015	846.77	-0.007	33.34
71	280-28286-B-2-B	0.018	240.02	0.139	186.69	191.236	44133.85	0.002	1086.81	-0.008	40.00
72	280-28286-B-3-B	0.049	246.69	0.276	253.36	804.806	164866.54	0.106	1486.88	-0.005	46.67
73	280-28286-B-4-B	0.064	193.35	0.395	246.69	285.613	44153.30	-0.006	620.08	-0.007	26.67
74	ccv-1394868	52.637	72227.89	50.229	47006.57	51.793	15701.72	51.358	397488.13	53.216	368984.05
75	ccv-1394868	52.854	73125.27	51.069	48190.20	52.153	15942.27	50.946	398393.13	52.208	365734.85
76	ccv-1394868	52.721	72328.02	50.163	46940.29	51.821	15708.63	50.158	392672.18	51.588	361728.88
77	ccb-1394903	0.045	346.71	0.122	226.69	-0.126	0.00	0.025	1506.90	0.001	106.68
78	rinse	0.009	300.03	-0.044	73.34	0.052	53.34	0.016	1446.86	0.008	160.02
79	rinse	0.011	300.03	-0.072	46.67	-0.103	6.67	-0.037	1026.80	0.001	106.68
80	rinse	0.058	360.04	-0.057	60.00	-0.126	0.00	-0.020	1146.81	0.003	120.01
81	rinse	-0.081	173.35	-0.005	106.68	-0.103	6.67	-0.050	906.78	-0.003	80.01
82	icis	0.000	266.70	0.000	66.67	0.000	0.00	0.000	973.45	0.000	93.35
83	ic	100.000	128665.71	100.000	82594.91	100.000	27624.45	100.000	754309.99	100.000	675432.46
84	ccv-1394868	49.178	64222.77	50.244	42060.39	49.310	13793.44	50.532	383198.03	51.774	351180.28
85	ccb-1394903	0.104	380.04	0.268	280.03	0.049	13.33	0.121	1853.62	0.015	193.36
86	280-28286-B-2-B	0.273	506.74	0.115	133.35	199.852	46132.60	0.072	1260.17	0.004	100.01
87	280-28286-B-3-B	0.001	180.02	0.495	333.37	799.737	155778.82	0.111	1246.84	-0.011	13.33
88	280-28286-B-5-B	1.083	493.38	3.465	880.11	365.206	30349.43	0.117	466.71	-0.014	0.00
89	280-28286-B-1...	0.014	233.36	0.036	80.01	20.781	4894.49	0.071	1173.50	-0.009	26.67
90	280-28286-B-4...	0.083	326.70	0.137	160.01	64.801	16229.17	0.024	946.78	-0.011	13.33
91	ccv-1394868	51.250	72536.00	53.142	48216.80	50.814	15408.36	50.524	384021.59	51.683	351369.76
92	ccb-1394903	0.016	313.37	0.163	226.69	0.000	0.00	0.045	1333.52	0.015	200.02
93	rinse	0.018	320.03	0.027	100.00	0.021	6.67	0.014	1100.15	0.009	160.02

Analyte Table

		120 Sn [2]		121 Sb [2]		137 Ba [2]		182 W [2]		195 Pt [2]	
	Sample Name	Conc. [ppb]	CPS	Conc. [ppb]	CPS	Conc. [ppb]	CPS	Conc. [ppb]	CPS	Conc. [ppb]	CPS
94	rinse	-0.035	240.02	-0.035	40.00	0.042	13.33	0.025	1193.49	-0.008	40.00
95	rinse	-0.038	233.36	-0.070	6.67	0.064	20.00	0.014	1100.15	-0.001	86.67
96	rinse	-0.017	260.02	-0.041	33.33	0.129	40.00	0.019	1146.81	-0.005	60.01
97	icis	0.000	306.70	0.000	26.67	0.000	0.00	0.000	1260.16	0.000	106.68
98	ic	100.000	135633.59	100.000	87545.59	100.000	30837.19	100.000	755192.12	100.000	683432.67
99	ccv-1394868	50.898	69677.52	50.933	44941.86	47.992	14907.93	51.840	392677.42	52.317	358150.85
100	ccb-1394903	0.011	306.70	0.214	213.36	0.044	13.33	0.078	1793.60	0.024	260.03
101	280-28286-B-2-B	-0.012	233.35	0.204	173.36	177.338	46479.53	0.033	1266.83	0.000	86.68
102	280-28286-B-3-B	-0.014	186.68	0.459	293.37	755.351	161408.28	0.146	1586.88	-0.001	66.67
103	280-28286-B-1...	0.027	246.69	0.113	93.34	18.618	4334.26	-0.013	840.09	-0.006	46.67
104	280-28286-B-4...	0.138	413.38	0.191	166.68	37.381	9957.14	0.006	1093.48	-0.013	13.33
105	ccv-1394868	52.643	72201.38	51.535	45562.59	49.848	15508.43	53.249	405664.28	54.120	372659.37
106	ccb-1394903	0.058	380.04	0.133	146.68	0.063	20.00	0.035	1520.21	0.011	180.02
107	280-28286-B-5...	0.119	320.04	0.142	106.67	35.795	7849.22	-0.004	840.11	0.002	80.01
108	280-28201-C-1-B	-0.047	226.69	0.025	46.67	0.106	33.34	-0.022	1046.80	-0.001	93.34
109	280-28201-C-2-B	0.121	446.72	0.670	600.07	15.349	4641.06	0.012	1266.82	-0.009	40.00
110	280-28201-C-3-B	0.117	386.71	12.489	9430.18	76.647	20340.40	0.266	2827.16	-0.005	60.01
111	280-28201-C-4-B	0.014	280.03	0.216	193.35	25.928	7222.16	0.335	3480.77	-0.006	60.00
112	280-28201-C-5-B	0.109	426.71	0.183	180.02	13.368	4020.89	0.098	1926.96	-0.002	86.67
113	ccv-1394868	52.533	67355.80	53.174	43945.92	50.315	14634.37	51.727	378641.20	52.281	345832.35
114	ccb-1394903	0.023	306.70	0.211	200.02	0.023	6.67	0.037	1453.53	0.013	186.68
115	rinse	-0.065	193.35	0.107	113.35	0.114	33.34	0.001	1200.16	0.002	113.35
116	rinse	-0.019	253.35	0.019	40.01	0.000	0.00	-0.050	820.10	0.013	186.69
117	rinse	-0.042	220.02	-0.005	20.00	0.069	20.00	-0.024	1006.77	-0.002	86.67
118	rinse	-0.025	240.02	0.004	26.67	0.046	13.33	-0.016	1066.80	-0.007	53.34
119	rinse	0.056	340.04	0.013	33.34	0.070	20.00	-0.023	1013.45	-0.004	73.34
120	icis	0.000	233.36	0.000	93.34	0.000	33.34	0.000	906.78	0.000	66.67
121	ic	100.000	123120.96	100.000	78561.91	100.000	27337.26	100.000	722548.95	100.000	653138.34
122	ccv-1394868	50.524	63240.29	51.372	40997.70	50.857	14126.93	51.094	369504.58	51.557	336686.23
123	ccb-1394903	-0.026	193.35	0.234	273.36	-0.118	0.00	0.082	1486.89	0.017	173.35
124	MB 280-117181...	0.072	320.03	0.060	140.01	-0.094	6.67	0.067	1406.87	0.007	113.34

Analyte Table

		120 Sn [2]		121 Sb [2]		137 Ba [2]		182 W [2]		195 Pt [2]	
	Sample Name	Conc. [ppb]	CPS	Conc. [ppb]	CPS	Conc. [ppb]	CPS	Conc. [ppb]	CPS	Conc. [ppb]	CPS
125	LCS 280-11718...	39.967	49915.30	38.150	30375.82	40.453	11204.70	0.008	953.46	0.015	166.68
126	LCSD 280-1171...	40.639	50135.82	38.289	30114.98	40.555	11097.94	0.013	993.46	0.016	173.35
127	280-28131-S-1-A	0.233	473.39	0.143	186.69	20.620	5227.96	1.553	11398.27	0.009	120.01
128	280-28131-S-3-A	0.016	226.69	0.106	160.02	20.051	5087.94	2.189	15688.80	0.000	60.01
129	280-28131-S-4-B	0.079	300.03	0.022	100.01	18.751	4787.72	2.152	15555.61	0.003	80.00
130	280-28131-S-4-...	0.038	260.03	-0.018	73.34	4.087	1100.14	0.445	4007.60	0.009	120.01
131	ccv-1394868	49.721	59473.15	51.966	39628.59	51.369	13633.40	50.569	359350.27	50.234	322344.77
132	ccb-1394903	0.083	306.69	0.114	166.68	-0.118	0.00	0.070	1320.21	0.021	193.36
133	280-28131-S-4-...	36.805	41345.74	36.193	25894.76	60.137	14960.99	2.154	15562.01	0.006	100.01
134	280-28131-S-4-...	39.850	43564.94	36.620	25507.50	63.471	15388.19	2.089	14667.89	0.003	80.01
135	280-28131-S-4-...	199.404	217503.73	192.347	133939.36	228.547	55366.80	2.130	14968.00	-0.003	40.00
136	280-28131-S-5-A	0.277	546.73	0.630	566.74	0.259	100.02	0.059	1300.18	0.008	113.35
137	280-28131-S-6-A	0.172	426.71	0.007	93.34	0.057	46.67	0.017	1013.47	0.002	80.01
138	280-28076-R-1-A	0.593	826.77	0.875	673.41	169.415	40090.19	4.357	28947.62	0.004	80.01
139	ccv-1394868	49.030	58120.61	48.807	36895.18	48.351	12719.04	49.797	355294.91	49.761	320600.27
140	ccb-1394903	0.059	273.36	0.239	253.35	-0.065	13.33	0.091	1480.22	0.006	100.01
141	MB 280-117259...	0.057	273.36	-0.069	33.33	0.754	220.03	0.057	1246.81	-0.001	53.34
142	LCS 280-11725...	42.725	47208.09	40.382	28445.91	44.060	10797.73	0.044	1146.80	0.003	80.01
143	280-28099-E-4-B	0.000	200.02	0.230	240.02	8.594	2106.98	-0.006	793.42	0.007	106.68
144	280-28099-E-5-B	0.008	206.69	0.049	113.34	3.472	860.11	0.046	1133.49	0.003	80.01
145	280-28099-E-6-D	-0.033	160.02	-0.027	60.01	2.216	553.39	0.038	1080.13	0.001	66.67
146	ccv-1394868	50.830	53412.37	48.591	32566.37	51.847	12092.03	49.936	332607.22	50.233	302107.41
147	ccb-1394903	0.060	253.36	0.076	126.68	-0.118	0.00	0.099	1440.21	0.014	140.02
148	280-28141-F-1-B	0.296	486.72	0.111	146.68	6.721	1540.25	0.022	926.78	-0.001	53.34
149	280-28141-F-1-...	0.021	206.69	-0.064	33.34	1.568	380.04	0.021	926.77	0.002	66.67
150	280-28141-F-1-...	41.632	41372.47	41.115	26048.30	53.630	11818.60	0.027	940.13	0.005	86.67
151	280-28141-F-1-...	42.479	42341.54	40.463	25721.29	47.604	10517.42	0.025	933.45	0.013	133.35
152	280-28141-F-1-...	202.422	197931.75	194.717	121555.42	184.936	40176.13	0.015	866.76	0.002	66.67
153	ccv-1394868	51.089	49909.25	50.626	31537.83	50.491	10944.55	50.997	319266.05	50.877	287616.27
154	ccb-1394903	0.200	373.37	0.325	273.36	-0.057	13.33	0.060	1133.48	0.017	153.35
155	280-28141-F-2-B	0.031	200.02	0.253	220.02	18.792	3914.21	0.255	2287.03	-0.003	40.01

Analyte Table

		120 Sn [2]		121 Sb [2]		137 Ba [2]		182 W [2]		195 Pt [2]	
	Sample Name	Conc. [ppb]	CPS	Conc. [ppb]	CPS	Conc. [ppb]	CPS	Conc. [ppb]	CPS	Conc. [ppb]	CPS
156	280-28141-F-3-B	0.002	180.02	0.090	126.68	4.118	913.44	0.062	1146.84	-0.003	40.00
157	280-28141-F-4-B	-0.013	166.68	0.013	80.01	14.437	3153.91	0.023	900.12	0.004	80.01
158	280-28141-F-5-B	0.001	180.02	-0.030	53.34	-0.027	20.00	0.024	913.46	0.001	60.01
159	280-28141-F-6-B	0.554	713.42	0.014	80.01	28.262	6101.56	0.029	940.12	-0.002	46.67
160	280-28141-F-7-B	0.022	200.02	0.035	93.34	7.734	1693.59	0.024	906.78	0.008	100.01
161	ccv-1394868	48.474	47054.08	51.389	31811.62	47.537	10237.35	50.542	310139.93	51.172	283541.71
162	ccb-1394903	0.092	260.02	0.029	86.68	-0.118	0.00	0.087	1280.18	0.016	140.02
163	MB 280-117691...	0.014	186.69	-0.049	40.00	-0.118	0.00	0.012	820.10	-0.004	33.33
164	LCS 280-11769...	39.244	37122.47	39.686	23925.02	42.388	8889.74	0.032	933.46	0.001	60.00
165	280-28194-A-9-D	0.124	286.69	0.020	80.00	47.608	9870.39	0.043	993.45	-0.001	46.67
166	280-28194-A-1...	0.046	213.35	0.020	80.01	74.105	15274.73	0.037	953.46	0.000	53.34
167	280-28194-A-1...	0.026	193.36	-0.025	53.34	16.419	3393.99	0.014	820.10	0.000	53.34
168	ccv-1394868	48.831	45302.92	51.909	30703.22	51.158	10530.90	50.992	302770.98	50.494	270731.76
169	ccb-1394903	0.178	333.36	0.168	166.69	-0.086	6.67	0.071	1140.15	0.003	66.67
170	280-28194-A-1...	7.432	6848.64	22.092	12752.53	119.119	23825.20	0.074	1160.16	-0.002	40.00
171	280-28194-A-1...	7.424	7008.65	22.632	13373.05	109.348	22396.47	0.045	993.45	0.002	66.67
172	280-28194-A-1...	199.980	179689.64	196.959	112985.02	281.498	56175.70	0.055	1046.80	-0.001	46.67
173	280-28194-A-1...	0.313	446.72	0.643	433.38	42.872	8562.94	0.113	1355.29	0.003	66.67
174	280-28194-A-1...	0.217	366.71	0.090	120.01	49.791	10150.47	0.065	1113.48	0.000	53.34
175	280-28194-A-1...	0.224	373.38	0.022	80.01	0.668	160.01	0.003	746.75	0.002	66.67
176	280-28252-I-1-E	0.363	486.71	0.014	73.34	40.045	7935.93	0.010	760.10	0.000	53.34
177	280-28262-D-1-C	0.005	166.69	0.311	240.02	25.792	5081.20	3.541	21048.60	-0.004	33.33
178	ccv-1394868	49.302	44861.29	50.464	29266.91	53.144	10730.88	51.137	299132.49	51.329	271157.36
179	ccb-1394903	0.075	226.69	0.084	113.35	-0.118	0.00	0.074	1113.47	0.015	126.68
180	280-28293-A-9-A	-0.021	146.68	-0.092	13.33	-0.052	13.33	0.024	860.10	-0.002	40.00
181	280-28293-A-1...	0.032	193.35	-0.034	46.67	10.698	2153.67	0.035	913.45	0.001	60.00
182	280-28293-A-1...	0.045	153.35	0.134	106.68	11.407	1713.58	0.056	700.08	0.030	140.01
183	280-28293-A-1...	0.015	146.68	-0.030	40.00	9.773	1613.55	0.054	760.10	0.007	66.67
184	280-28293-A-1...	0.057	166.68	0.067	80.01	11.342	1753.59	0.051	680.08	0.015	86.68
185	280-28293-A-1...	0.009	233.36	-0.107	6.67	-0.069	13.33	0.070	1386.86	0.007	113.34
186	280-28293-A-1...	-0.058	153.35	-0.107	6.67	0.300	113.35	0.036	1153.47	0.001	73.34

Analyte Table

		120 Sn [2]		121 Sb [2]		137 Ba [2]		182 W [2]		195 Pt [2]	
	Sample Name	Conc. [ppb]	CPS	Conc. [ppb]	CPS	Conc. [ppb]	CPS	Conc. [ppb]	CPS	Conc. [ppb]	CPS
187	280-28293-E-2...	0.013	240.03	-0.089	20.00	-0.069	13.33	0.023	1060.15	0.000	66.68
188	ccv-1394868	49.752	58683.58	49.455	37202.93	49.630	12986.24	49.342	349098.50	48.754	311447.08
189	ccb-1394903	0.158	400.04	0.089	153.35	-0.118	0.00	0.071	1360.19	0.011	133.35
190	MB 280-117626...	-0.011	200.02	-0.061	40.00	-0.118	0.00	0.059	1273.49	0.016	166.68
191	LCS 280-11762...	39.777	46204.53	38.917	28819.80	43.438	11191.30	0.027	1046.81	0.000	60.01
192	280-28240-G-1-K	0.089	300.03	0.179	206.69	291.808	71346.44	0.056	1200.16	-0.004	33.34
193	280-28240-G-1-...	0.206	440.05	0.061	126.68	57.165	14307.12	0.035	1080.15	0.001	66.68
194	280-28240-G-1-...	39.849	43143.41	38.405	26509.07	333.516	79897.75	0.045	1126.82	0.003	80.01
195	280-28240-G-...	39.744	42749.32	39.676	27196.53	325.475	77446.22	0.015	920.11	0.001	66.67
196	280-28240-G-1-...	204.174	215489.93	196.050	132090.92	502.975	117869.71	0.078	1313.52	0.002	73.34
197	280-28240-G-2-H	0.292	466.72	0.608	453.38	84.446	18431.80	0.052	1073.47	0.002	66.67
198	ccv-1394868	52.523	54891.29	53.609	35732.40	52.222	12111.97	50.429	327654.80	49.230	288794.07
199	ccb-1394903	0.094	286.70	0.117	153.35	-0.090	6.67	0.064	1193.49	0.011	120.01
200	280-28240-G-3-E	-0.005	180.01	0.051	106.68	293.222	65442.51	0.082	1280.18	0.010	113.34
201	280-28240-G-4-E	0.089	253.36	0.076	113.34	52.703	10891.05	0.084	1206.83	0.009	100.01
202	280-28240-G-5-E	0.029	206.69	-0.019	60.01	294.599	63742.78	0.060	1120.14	0.000	53.34
203	280-28240-G-6-E	0.111	273.36	-0.025	53.34	703.646	145076.75	0.043	973.45	0.004	73.34
204	280-28240-G-7-E	-0.004	173.35	-0.028	53.34	305.021	65188.68	0.083	1240.16	0.004	73.34
205	280-28240-G-8-E	-0.044	133.35	-0.104	6.67	558.163	118070.47	0.163	1706.94	0.001	60.00
206	280-28240-G-9-E	0.020	186.68	0.011	73.34	245.371	49796.22	0.124	1433.55	0.008	93.34
207	280-28240-G-1...	-0.068	106.67	-0.001	66.67	95.927	19566.24	0.041	960.12	0.001	60.01
208	280-28240-G-1...	0.012	186.68	-0.072	26.67	224.717	47756.23	0.058	1086.81	-0.004	33.33
209	ccv-1394868	50.984	49427.27	53.261	32913.75	53.318	11464.79	49.929	303321.94	48.578	266482.97
210	ccb-1394903	0.173	346.70	0.089	126.68	-0.087	6.67	0.094	1313.51	0.016	140.01
211	280-28240-G-1...	0.077	240.02	0.045	93.34	124.147	23805.22	0.178	1686.94	0.000	46.67
212	280-28240-G-1...	0.029	200.02	-0.049	40.01	0.104	46.67	0.057	1066.82	0.000	53.34
213	280-28240-G-1...	21.338	18891.94	0.135	140.01	190.577	37196.28	0.033	873.43	0.001	53.34
214	280-28240-G-1...	0.540	640.08	0.264	213.35	200.794	39441.86	0.034	886.77	0.003	66.67
215	280-28240-H-1...	0.062	213.35	-0.019	53.34	191.799	37109.26	0.160	1566.90	-0.003	33.33
216	280-28240-G-1...	0.121	266.69	-0.068	26.67	278.200	54062.56	0.117	1320.18	-0.002	40.00
217	280-28240-G-1...	-0.007	153.35	-0.031	46.67	277.026	53220.13	0.096	1200.15	0.003	66.67

Analyte Table

		120 Sn [2]		121 Sb [2]		137 Ba [2]		182 W [2]		195 Pt [2]	
	Sample Name	Conc. [ppb]	CPS	Conc. [ppb]	CPS	Conc. [ppb]	CPS	Conc. [ppb]	CPS	Conc. [ppb]	CPS
218	280-28240-G-1...	-0.049	113.34	-0.115	0.00	284.195	53152.68	0.148	1460.22	0.001	53.34
219	ccv-1394868	50.916	44720.50	51.225	28692.80	52.261	10183.98	49.199	274405.84	47.880	241133.05
220	ccb-1394903	0.220	353.36	0.087	113.35	-0.118	0.00	0.099	1233.49	-0.003	33.34
221	rinse	0.062	213.35	-0.043	40.01	-0.084	6.67	0.020	786.77	0.009	93.34
222	rinse	0.124	260.02	-0.029	46.67	-0.083	6.67	0.031	833.44	0.001	53.34
223	rinse	0.100	240.03	-0.091	13.33	-0.118	0.00	0.028	806.76	0.008	86.67
224	rinse	0.221	333.37	-0.065	26.67	-0.118	0.00	0.046	893.45	0.005	73.34
225	rinse	0.156	280.04	-0.052	33.34	-0.118	0.00	0.020	753.43	-0.006	20.00
226	icis	0.000	233.36	0.000	20.00	0.000	6.67	0.000	853.46	0.000	46.67
227	ic	100.000	78971.20	100.000	51547.81	100.000	18551.81	100.000	493264.30	100.000	429203.64
228	ccv-1394868	51.308	40917.66	51.481	26742.69	50.808	9497.01	51.216	255449.04	51.005	221118.76
229	ccb-1394903	0.087	300.03	0.102	73.34	-0.035	0.00	0.055	1120.14	0.017	120.01
230	MB 280-117260...	-0.102	146.68	0.040	40.00	0.288	60.01	0.043	1040.15	-0.003	33.33
231	LCS 280-11726...	39.324	30956.75	38.209	19559.53	41.076	7575.64	0.007	866.78	0.000	46.67
232	280-28165-A-1...	0.054	253.36	0.088	60.01	0.281	53.34	0.014	873.44	-0.003	33.34
233	ccv-1394868	50.152	38913.16	51.585	26062.22	49.419	8989.73	51.815	250767.79	51.813	217868.82
234	ccb-1394903	0.085	286.69	0.095	66.67	-0.035	0.00	0.059	1106.81	0.018	120.01
235	280-28165-G-...	0.185	326.70	0.188	100.01	30.386	4841.15	0.101	1100.24	0.002	46.67
236	280-28165-G-2...	0.062	253.36	0.105	66.67	26.153	4414.29	-0.003	720.09	-0.002	33.34
237	280-28165-G-3...	0.052	220.02	0.120	66.68	6.547	1006.80	0.031	753.42	-0.011	0.00
238	280-28165-G-4...	0.151	373.37	0.090	73.34	21.225	4287.56	0.051	1073.48	0.007	73.34
239	280-28165-G-5...	-0.078	173.35	0.036	40.00	8.124	1580.22	-0.034	620.07	-0.006	20.00
240	ccv-1394868	49.693	57117.74	50.126	37516.59	48.519	13072.85	50.879	336840.27	51.844	298195.83
241	ccb-1394903	0.039	380.04	0.226	200.02	-0.035	0.00	0.062	1533.55	0.014	140.01
242	280-28165-G-6...	-0.027	246.69	0.080	73.34	6.486	1453.53	0.000	906.77	-0.002	40.00
243	280-28165-G-7...	0.039	300.03	0.018	33.34	9.520	2060.31	0.069	1206.83	0.003	60.00
244	280-28165-G-8...	0.116	400.04	0.045	53.34	18.931	4427.72	-0.008	900.10	0.006	80.01
245	280-28165-G-9...	-0.055	246.69	-0.009	20.00	5.955	1486.88	0.019	1153.48	-0.001	53.34
246	ccv-1394868	52.200	60637.28	49.852	37710.10	48.375	13179.50	50.644	339924.85	51.199	298548.95
247	ccb-1394903	0.060	406.70	0.154	146.68	0.038	20.00	0.080	1680.23	0.006	100.01
248	280-28165-G-1...	0.272	466.72	0.010	26.67	32.879	6495.09	0.014	846.77	0.006	66.67

Analyte Table

		120 Sn [2]		121 Sb [2]		137 Ba [2]		182 W [2]		195 Pt [2]	
	Sample Name	Conc. [ppb]	CPS	Conc. [ppb]	CPS	Conc. [ppb]	CPS	Conc. [ppb]	CPS	Conc. [ppb]	CPS
249	280-28165-G-1...	0.066	346.70	0.120	100.01	6.281	1460.20	-0.033	740.09	0.001	53.34
250	280-28165-G-1...	-0.029	286.70	0.054	66.67	3.625	953.44	-0.002	1060.13	0.008	100.01
251	280-28165-G-1...	0.009	313.37	0.098	93.34	9.848	2454.22	-0.009	966.78	0.003	73.34
252	280-28165-G-1...	-0.012	313.37	-0.010	20.00	1.814	493.39	-0.004	1080.15	0.000	60.00
253	ccv-1394868	50.661	58355.50	48.573	36427.44	48.383	13066.38	50.373	331927.59	50.985	291877.91
254	ccb-1394903	0.113	460.05	0.158	146.69	0.039	20.00	0.084	1660.23	0.006	93.34
255	280-28165-G-1...	16.620	16997.01	16.889	11131.34	29.605	7022.06	0.007	1026.78	0.007	86.68
256	280-28165-G-1...	17.740	17777.22	18.284	11818.38	29.060	6761.96	0.006	1006.81	0.003	66.67
257	280-28165-G-1...	201.115	198987.11	183.787	118846.81	214.191	49862.48	0.024	1120.14	0.001	60.00
258	280-28165-G-1...	0.571	721.06	0.496	293.36	14.342	2853.87	0.000	806.76	0.001	46.67
259	ccv-1394868	51.873	58582.88	48.973	36013.47	48.503	12846.01	50.313	327050.74	50.453	284922.31
260	ccb-1394903	0.027	353.37	0.252	213.36	-0.010	6.67	0.031	1306.85	0.001	66.67
261	rinse	-0.050	266.69	0.071	80.01	0.017	13.33	-0.028	906.77	-0.001	53.34
262	rinse	-0.052	253.36	0.048	60.01	-0.009	6.67	0.024	1206.83	-0.001	53.34
263	rinse	-0.095	206.68	0.020	40.00	-0.008	6.67	-0.013	973.47	-0.005	33.34
264	rinse	-0.170	126.68	0.011	33.34	-0.008	6.67	0.008	1093.47	-0.007	20.00
265	rinse	-0.125	173.35	-0.009	20.00	-0.035	0.00	0.007	1086.80	0.007	93.34
266	icis	0.000	240.03	0.000	33.34	0.000	13.33	0.000	1073.47	0.000	40.00
267	ic	100.000	100340.14	100.000	63018.37	100.000	23771.92	100.000	576754.37	100.000	495202.64
268	ccv-1394868	52.602	50797.94	52.896	32025.78	54.743	12505.65	53.265	294944.13	53.761	255201.51
269	ccb-1394903	0.245	473.39	0.200	153.35	-0.058	0.00	0.123	1746.93	0.029	173.35
270	280-28063-B-1...	0.110	333.37	0.082	80.01	-0.028	6.67	0.017	1140.15	0.012	93.35
271	280-28063-E-1...	0.153	233.35	0.146	73.34	5.969	840.10	-0.021	553.39	0.011	53.34
272	ccv-1394868	55.341	55191.59	54.127	33849.17	53.736	12672.66	56.415	319675.42	57.048	277177.15
273	ccb-1394903	0.073	333.37	0.088	93.34	0.023	20.00	0.031	1320.20	0.027	180.02
274	280-28286-B-6...	0.115	306.69	0.197	133.35	56.152	11364.83	0.083	1286.83	0.020	113.35
275	ccv-1394868	53.651	59091.71	52.762	36440.62	51.966	13533.20	53.569	327529.28	54.811	287345.41
276	ccb-1394903	0.139	420.04	0.150	140.01	-0.058	0.00	0.049	1506.89	0.044	280.03
277	280-28117-E-1...	0.203	400.04	0.101	86.67	2.017	440.05	0.028	1100.14	0.035	186.69
278	280-28117-E-1...	0.082	340.04	0.139	126.68	0.402	113.35	0.042	1373.53	0.022	153.35
279	280-28117-E-1...	4.328	3960.83	4.032	2247.04	6.794	1420.22	0.044	1153.48	0.009	73.34

Analyte Table

		120 Sn [2]		121 Sb [2]		137 Ba [2]		182 W [2]		195 Pt [2]	
	Sample Name	Conc. [ppb]	CPS	Conc. [ppb]	CPS	Conc. [ppb]	CPS	Conc. [ppb]	CPS	Conc. [ppb]	CPS
280	280-28117-E-1...	4.026	3967.46	3.936	2333.72	5.323	1186.82	-0.003	986.79	0.008	73.34
281	280-28117-E-1...	213.898	197916.46	196.357	114232.58	210.630	46238.63	0.070	1353.52	0.026	153.35
282	ccv-1394868	53.138	62034.48	54.345	39775.84	51.865	14320.72	53.910	339395.42	56.417	304492.13
283	ccb-1394903	0.231	553.40	0.458	373.37	0.087	40.00	0.044	1493.55	0.019	146.68

Analyte Table

		205 Tl [2]		206 (Pb) [2]		207 (Pb) [2]		208 Pb [2]		232 Th [2]	
	Sample Name	Conc. [ppb]	CPS	Conc. [ppb]	CPS	Conc. [ppb]	CPS	Conc. [ppb]	CPS	Conc. [ppb]	CPS
1	rinse-1394889		146.69		213.36		146.68		966.78		393.37
2	icis	0.000	60.01	0.000	220.02	0.000	113.34	0.000	880.10	0.000	266.69
3	cal-1394861	100.000	838639.23	100.000	263925.05	100.000	225762.73	100.000	1062882.83	100.000	1031944.73
4	icv-1394869	39.923	339132.58	40.150	107455.52	41.800	95646.66	40.325	434612.49	39.550	413514.37
5	icb-1394903	0.038	380.04	0.054	366.70	0.061	253.36	0.032	1233.47	0.071	1006.79
6	icvl-1394870	1.060	9036.73	1.041	2993.94	1.143	2720.50	1.073	12396.58	1.953	20615.19
7	cri-1394886	1.005	8649.71	0.979	2853.88	1.089	2620.48	1.028	12022.97	0.917	9910.75
8	cri-1394887	0.231	2040.33	0.214	800.09	0.233	653.40	0.220	3287.15	0.198	2360.43
9	icsa-1391205	0.035	340.04	0.142	566.74	0.148	426.71	0.172	2580.34	0.500	5181.32
10	ICSAB-1372208	96.506	777333.79	97.441	246992.05	96.864	210031.03	96.805	988210.16	99.277	983922.54
11	Carryover Check	0.061	600.07	0.014	266.70	0.105	366.72	0.030	1246.82	0.083	1180.15
12	lra-1305595	1970.114	16012483.93	4975.573	12717048.56	4942.275	10809188.17	4938.663	50835841.33	1943.569	19434088.46
13	rinse	0.359	3033.89	0.599	1780.25	0.524	1280.17	0.587	7027.99	9.248	94495.32
14	ccv-1394868	50.886	430570.58	51.413	137008.34	49.765	113401.97	50.494	541901.28	61.034	635536.10
15	ccb-1394903	0.096	873.44	0.125	553.39	0.179	520.05	0.150	2486.99	0.600	6508.65
16	ccvl-1394870	1.183	10104.16	1.071	3087.19	1.286	3060.56	1.142	13183.27	2.265	23933.58
17	280-28063-B-1...	0.036	326.70	0.089	406.71	0.112	326.70	0.088	1626.86	0.578	5581.50
18	280-28063-B-1...	0.021	226.69	0.098	460.05	0.185	513.39	0.134	2220.28	0.368	3920.82
19	280-28063-B-1...	0.028	280.03	0.052	340.04	0.108	340.04	0.072	1566.86	0.254	2753.84
20	280-28063-B-1...	0.014	200.02	0.033	346.71	0.020	180.02	0.007	1080.11	0.075	1180.16
21	280-28063-B-1...	0.011	166.68	0.069	446.72	0.075	313.37	0.045	1506.84	0.071	1106.80
22	280-28063-E-1...	0.018	153.35	0.274	673.41	0.273	520.06	0.266	2647.01	0.200	1666.91
23	280-28063-E-1...	0.013	160.01	0.027	273.36	0.035	180.02	0.021	1026.78	0.103	1240.18
24	ccv-1394868	48.733	485507.25	49.095	154060.91	48.501	130132.89	48.413	611857.38	47.095	577506.96
25	ccb-1394903	0.025	320.03	0.019	320.04	0.050	266.70	0.011	1173.47	0.238	3220.64
26	ccv-1394868	49.854	492956.97	49.984	155661.76	49.824	132695.53	49.481	620581.91	49.029	596663.41
27	ccv-1394868	49.499	488731.97	51.505	160157.48	49.738	132262.37	50.605	633697.20	49.300	599097.58
28	ccb-1394903	0.031	373.37	0.014	300.04	0.043	246.70	0.022	1306.82	0.264	3514.02
29		0.005	120.01	0.008	280.03	0.084	353.37	0.024	1320.15	0.001	320.03
30	rinse	0.013	193.35	-0.014	206.69	0.033	213.36	0.008	1086.79	-0.005	240.02
31	rinse	0.005	113.34	0.038	366.71	0.048	253.37	0.026	1326.83	-0.009	200.02

Analyte Table

		205 Tl [2]		206 (Pb) [2]		207 (Pb) [2]		208 Pb [2]		232 Th [2]	
	Sample Name	Conc. [ppb]	CPS	Conc. [ppb]	CPS	Conc. [ppb]	CPS	Conc. [ppb]	CPS	Conc. [ppb]	CPS
32	ccv-1394868	50.254	475627.49	50.801	151426.96	50.881	129688.45	50.348	604381.58	50.717	590760.99
33	ccb-1394903	0.020	253.36	0.054	400.04	0.067	293.37	0.044	1493.50	0.257	3227.33
34	280-28063-B-1...	0.007	120.01	0.048	340.04	0.043	206.69	0.025	1126.80	0.248	2787.21
35	280-28063-B-1...	0.006	113.35	0.109	513.39	0.136	426.72	0.103	1993.57	0.144	1780.30
36	280-28063-B-1...	0.006	106.68	0.057	366.71	0.048	220.02	0.037	1260.13	0.087	1160.16
37	ccv-1394868	50.265	495426.10	50.402	156456.01	50.275	133452.97	49.998	625027.94	49.543	600972.02
38	ccb-1394903	0.026	326.69	0.023	326.70	0.038	233.36	0.012	1173.46	0.236	3160.61
39	280-28286-B-6...	0.062	340.03	2.322	3740.76	2.309	3140.64	2.427	15717.93	0.604	3827.54
40	280-28286-B-7...	0.014	173.35	0.357	1140.15	0.422	1046.81	0.369	4714.08	0.300	3314.03
41	280-28286-B-8...	0.005	140.01	-0.017	240.03	0.027	240.02	-0.007	1113.45	0.005	440.06
42	280-28063-B-1...	0.004	133.34	0.024	393.37	0.079	406.71	0.034	1726.85	0.010	520.06
43	280-28063-E-1...	0.002	73.34	-0.005	206.69	0.020	160.02	0.000	893.44	0.063	926.78
44	ccv-1394868	49.381	565034.50	50.768	182897.15	49.302	151839.39	49.659	720527.35	46.890	660178.81
45	ccb-1394903	0.026	373.38	0.019	366.71	0.048	300.03	0.015	1400.16	0.222	3467.36
46	ccv-1394868	53.912	582902.49	54.607	185847.52	54.853	159627.59	54.439	746107.06	53.073	705794.26
47	ccv-1394868	49.091	561090.49	50.203	180688.27	49.893	153596.27	49.605	719005.00	48.755	685596.53
48	ccb-1394903	0.023	340.04	0.033	413.38	0.072	373.37	0.042	1786.88	0.142	2353.72
49	rinse	0.014	240.03	0.000	293.37	0.042	280.03	0.015	1386.83	-0.006	280.03
50	rinse	0.006	153.35	-0.012	253.36	0.086	413.39	0.008	1300.15	-0.011	206.68
51	rinse	-0.001	73.34	-0.022	213.35	0.048	293.37	-0.005	1100.13	-0.006	273.36
52	rinse	0.010	186.68	0.023	373.37	0.028	233.36	0.018	1413.50	-0.013	173.35
53	rinse	-0.001	73.34	-0.010	253.35	0.037	260.03	0.005	1220.12	-0.008	240.02
54	icis	0.000	126.68	0.000	293.37	0.000	313.36	0.000	1166.80	0.000	666.75
55	ic	100.000	1089964.31	100.000	342031.29	100.000	294303.93	100.000	1386249.39	100.000	1344929.82
56	ccv-1394868	50.585	550613.69	51.767	176958.40	50.897	149738.90	50.763	703286.79	50.693	681088.56
57	ccb-1394903	0.014	273.36	0.024	366.70	-0.004	293.37	0.026	1486.84	0.104	2020.34
58	280-28063-B-1...	0.011	233.36	0.024	360.03	0.040	413.38	0.043	1693.55	0.070	1553.56
59	280-28063-E-1...	0.011	193.36	0.016	280.03	-0.033	173.35	0.008	1020.11	0.159	2247.06
60	280-28286-B-7...	-0.001	93.34	0.276	986.79	0.317	993.47	0.306	4320.64	0.231	3013.89
61	280-28286-B-8...	-0.002	106.67	0.006	320.03	-0.017	266.70	0.004	1246.81	-0.022	373.37
62	ccv-1394868	50.318	562466.66	50.347	176754.04	50.184	151617.46	50.145	713467.03	49.422	681955.46

Analyte Table

		205 Tl [2]		206 (Pb) [2]		207 (Pb) [2]		208 Pb [2]		232 Th [2]	
	Sample Name	Conc. [ppb]	CPS	Conc. [ppb]	CPS	Conc. [ppb]	CPS	Conc. [ppb]	CPS	Conc. [ppb]	CPS
63	ccb-1394903	0.019	340.04	0.021	366.71	0.000	313.37	0.013	1360.16	0.114	2233.69
64	280-28283-A-8-B	0.025	413.38	0.604	2420.41	0.593	2120.39	0.581	9468.67	0.537	8103.08
65	280-28283-A-9-B	0.067	893.43	0.678	2740.53	0.512	1906.97	0.642	10562.53	0.470	7289.00
66	280-28283-A-1...	0.099	1233.50	2.060	7475.81	2.157	6782.12	2.174	31882.38	0.200	3420.77
67	280-28283-A-1...	0.025	400.04	0.097	633.42	0.073	533.40	0.083	2346.98	0.048	1326.84
68	ccv-1394868	52.584	575578.82	52.788	181436.96	51.991	153795.80	52.088	725644.33	51.361	693953.66
69	ccb-1394903	0.014	273.37	-0.004	273.36	0.018	360.04	0.014	1340.14	0.078	1693.59
70	280-28286-B-1-B	-0.001	73.34	0.044	286.69	0.042	280.03	0.083	1493.51	0.426	4134.29
71	280-28286-B-2-B	0.013	233.36	0.313	1213.50	0.293	1046.79	0.300	4747.37	0.068	1406.85
72	280-28286-B-3-B	0.008	160.02	0.609	1793.61	0.511	1386.87	0.588	7068.01	0.055	1066.80
73	280-28286-B-4-B	-0.006	33.33	0.188	500.05	0.250	560.06	0.231	2333.60	0.054	746.76
74	ccv-1394868	50.683	602399.04	49.993	186617.91	50.305	161599.71	49.934	755436.68	47.644	699061.19
75	ccv-1394868	50.014	600609.20	49.824	187923.92	49.940	162083.52	49.705	759768.20	47.845	709298.43
76	ccv-1394868	50.219	603656.53	50.534	190762.58	49.932	162219.62	49.737	760940.86	48.467	719142.41
77	ccb-1394903	0.025	440.05	0.029	426.73	-0.041	206.69	0.018	1533.52	0.073	1786.94
78	rinse	0.013	300.03	0.000	320.03	-0.027	253.36	-0.002	1246.81	-0.021	413.39
79	rinse	0.011	273.36	-0.033	193.35	-0.024	260.02	-0.004	1200.13	-0.032	253.37
80	rinse	0.016	320.03	-0.004	300.03	-0.045	193.35	0.007	1353.49	-0.033	233.36
81	rinse	0.012	280.03	0.035	440.05	-0.023	260.03	0.028	1653.54	-0.029	293.37
82	icis	0.000	140.01	0.000	313.37	0.000	213.35	0.000	1206.82	0.000	393.38
83	ic	100.000	1137066.52	100.000	360108.47	100.000	306985.98	100.000	1443325.07	100.000	1380746.28
84	ccv-1394868	51.390	586787.52	51.060	184760.37	50.770	156597.31	51.109	741231.68	50.749	703753.53
85	ccb-1394903	0.031	486.72	-0.018	240.02	0.026	286.70	0.012	1346.83	0.097	1720.25
86	280-28286-B-2-B	0.019	300.03	0.379	1406.88	0.362	1113.47	0.346	5207.52	0.451	5574.83
87	280-28286-B-3-B	0.005	133.35	0.584	1680.27	0.633	1506.90	0.546	6327.75	0.208	2273.72
88	280-28286-B-5-B	0.018	86.68	5.541	5134.62	6.030	4747.80	5.663	21027.36	0.380	1426.87
89	280-28286-B-1...	0.004	146.68	0.030	326.70	0.078	353.37	0.054	1546.86	0.008	393.38
90	280-28286-B-4...	0.001	126.68	0.079	493.39	0.104	440.05	0.058	1686.87	0.003	353.37
91	ccv-1394868	49.902	571140.10	49.578	179829.66	49.695	153634.83	49.704	722562.34	47.439	659396.97
92	ccb-1394903	0.018	346.70	0.012	360.04	0.050	373.37	0.014	1426.83	0.063	1293.52
93	rinse	0.009	246.69	0.006	340.04	0.059	406.71	0.014	1433.51	-0.006	320.03

Analyte Table

		205 Tl [2]		206 (Pb) [2]		207 (Pb) [2]		208 Pb [2]		232 Th [2]	
	Sample Name	Conc. [ppb]	CPS	Conc. [ppb]	CPS	Conc. [ppb]	CPS	Conc. [ppb]	CPS	Conc. [ppb]	CPS
94	rinse	0.006	213.35	0.000	320.03	0.040	346.70	0.014	1440.17	-0.009	273.37
95	rinse	0.003	173.35	0.009	353.37	0.020	280.03	0.018	1500.18	-0.009	266.70
96	rinse	0.005	200.02	-0.014	266.69	0.048	373.38	0.017	1500.19	-0.006	313.37
97	icis	0.000	140.01	0.000	346.70	0.000	253.36	0.000	1193.47	0.000	393.38
98	ic	100.000	1121927.54	100.000	350286.54	100.000	300086.12	100.000	1404233.82	100.000	1316284.98
99	ccv-1394868	52.031	584729.77	52.332	183757.39	52.468	157816.15	52.615	740538.55	51.882	684153.58
100	ccb-1394903	0.026	426.71	-0.003	320.04	0.036	353.37	0.033	1593.54	0.084	1466.89
101	280-28286-B-2-B	0.023	340.05	0.303	1200.14	0.295	973.45	0.318	4834.10	0.471	5654.93
102	280-28286-B-3-B	0.014	200.02	0.563	1573.57	0.623	1446.88	0.598	6521.17	0.227	2307.07
103	280-28286-B-1...	0.004	133.34	0.023	313.37	0.084	373.37	0.061	1506.84	0.015	433.38
104	280-28286-B-4...	0.008	193.35	0.041	413.38	0.050	340.03	0.044	1526.84	0.000	326.70
105	ccv-1394868	52.952	598556.34	52.784	186415.40	53.311	161261.76	52.979	749965.32	51.648	685001.58
106	ccb-1394903	0.014	293.37	0.005	360.04	0.009	280.03	0.014	1386.81	0.096	1673.60
107	280-28286-B-5...	0.012	193.35	0.741	2066.99	0.810	1886.97	0.762	8354.90	0.131	1486.89
108	280-28201-C-1-B	0.004	180.01	0.219	1093.48	0.232	933.45	0.260	4767.42	0.232	3400.70
109	280-28201-C-2-B	0.242	2753.80	0.040	460.05	0.104	540.07	0.080	2206.94	0.137	2113.71
110	280-28201-C-3-B	0.052	626.73	1.892	6088.45	1.659	4567.77	1.847	23696.13	0.086	1326.85
111	280-28201-C-4-B	0.004	166.68	0.018	373.38	0.033	320.03	0.020	1340.15	0.041	853.44
112	280-28201-C-5-B	0.002	160.02	0.012	373.37	0.067	440.05	0.053	1880.23	0.036	846.76
113	ccv-1394868	52.981	575285.71	53.721	182267.51	53.194	154571.87	53.340	725365.67	52.334	666857.49
114	ccb-1394903	0.040	566.74	0.001	326.70	0.009	266.69	0.025	1466.84	0.103	1680.28
115	rinse	0.018	333.37	0.000	326.71	-0.016	193.35	-0.006	1046.79	0.009	480.06
116	rinse	0.017	313.37	-0.029	226.69	0.021	300.03	0.004	1173.47	-0.008	266.70
117	rinse	0.013	273.36	-0.013	280.03	0.010	266.69	0.013	1286.80	-0.009	246.69
118	rinse	0.014	286.70	0.006	346.71	0.026	313.37	0.023	1440.17	-0.011	233.35
119	rinse	0.006	200.02	0.007	346.70	0.022	300.04	0.014	1306.83	-0.007	273.36
120	icis	0.000	153.35	0.000	300.03	0.000	260.03	0.000	1266.81	0.000	333.37
121	ic	100.000	1087373.08	100.000	339528.42	100.000	294691.88	100.000	1366035.09	100.000	1288618.32
122	ccv-1394868	52.642	572327.74	53.038	180162.43	51.596	152143.59	52.266	714365.77	52.106	671420.51
123	ccb-1394903	0.031	493.39	0.007	320.03	0.020	313.37	0.022	1546.87	0.085	1420.20
124	MB 280-117181...	0.014	313.36	-0.002	293.37	-0.020	200.02	-0.014	1073.44	0.609	8349.63

Analyte Table

		205 Tl [2]		206 (Pb) [2]		207 (Pb) [2]		208 Pb [2]		232 Th [2]	
	Sample Name	Conc. [ppb]	CPS	Conc. [ppb]	CPS	Conc. [ppb]	CPS	Conc. [ppb]	CPS	Conc. [ppb]	CPS
125	LCS 280-11718...	41.521	454824.00	40.836	139840.06	41.922	124581.37	41.544	572369.58	41.201	534952.36
126	LCSD 280-1171...	40.944	451877.30	41.377	142720.90	40.317	120713.13	41.008	569179.48	41.407	541644.60
127	280-28131-S-1-A	0.096	1120.18	0.020	340.04	0.077	453.38	0.058	1913.58	0.761	9557.19
128	280-28131-S-3-A	0.003	173.35	0.028	366.70	0.051	380.04	0.050	1806.89	0.123	1793.61
129	280-28131-S-4-B	0.068	840.11	0.081	540.05	0.038	346.70	0.057	1913.55	0.076	1240.17
130	280-28131-S-4-...	0.011	266.70	0.012	326.70	-0.003	240.02	0.014	1406.82	-0.007	226.69
131	ccv-1394868	51.294	547939.12	51.620	172320.03	50.812	147216.86	51.243	688238.09	50.963	645280.00
132	ccb-1394903	0.015	293.36	-0.008	253.36	0.005	253.36	-0.001	1173.47	0.228	3087.29
133	280-28131-S-4-...	38.251	393904.47	38.206	122935.78	38.119	106494.09	37.902	490796.64	39.731	484822.60
134	280-28131-S-4-...	39.536	395277.78	40.344	126087.74	39.577	107365.29	40.058	503687.62	42.012	497760.34
135	280-28131-S-4-...	200.557	2007107.52	200.177	625323.21	198.028	536954.60	200.100	2514960.44	211.677	2510511.68
136	280-28131-S-5-A	0.054	733.42	0.027	380.04	0.100	540.06	0.076	2246.94	1.482	19180.08
137	280-28131-S-6-A	0.036	546.73	0.027	386.71	0.061	433.38	0.047	1880.22	0.267	3760.81
138	280-28076-R-1-A	0.014	266.70	0.449	1626.94	0.450	1413.55	0.431	6381.16	0.309	3854.19
139	ccv-1394868	50.396	540617.36	51.367	172172.73	49.672	144500.32	50.372	679328.16	50.475	641755.96
140	ccb-1394903	0.036	520.06	0.022	353.38	0.039	353.38	0.017	1420.17	0.248	3374.00
141	MB 280-117259...	0.010	246.69	0.532	2006.98	0.593	1913.64	0.543	8274.86	0.265	3580.76
142	LCS 280-11725...	43.463	450161.53	44.250	143233.82	44.018	123674.62	44.331	577387.12	42.344	519864.65
143	280-28099-E-4-B	0.033	480.05	0.048	426.71	0.071	433.39	0.050	1806.89	1.443	17711.66
144	280-28099-E-5-B	0.008	220.02	0.026	353.37	0.001	240.03	0.012	1306.82	0.380	4854.55
145	280-28099-E-6-D	-0.001	133.35	0.048	426.71	0.028	313.37	0.023	1453.50	0.233	3093.99
146	ccv-1394868	51.693	517558.39	51.654	161599.69	51.316	139346.29	51.363	646536.07	53.064	629693.17
147	ccb-1394903	0.015	280.03	0.007	286.70	-0.003	220.03	-0.002	1093.45	0.236	3027.30
148	280-28141-F-1-B	0.003	166.68	0.062	446.71	0.026	293.36	0.036	1540.17	0.355	4334.37
149	280-28141-F-1-...	-0.003	106.67	0.030	353.38	0.033	313.37	0.012	1246.81	0.015	460.05
150	280-28141-F-1-...	43.615	412180.66	44.156	130427.86	43.234	110854.81	43.888	521635.42	43.351	485624.41
151	280-28141-F-1-...	43.104	409218.21	44.088	130837.87	43.419	111830.62	43.897	524087.19	44.897	505244.98
152	280-28141-F-1-...	181.255	1710278.20	180.071	530391.96	178.312	455851.36	179.857	2131366.06	187.532	2096982.83
153	ccv-1394868	52.609	495118.39	53.662	157795.93	52.566	134171.04	53.299	630616.53	58.365	651000.60
154	ccb-1394903	0.038	486.72	0.012	286.69	0.061	373.37	0.019	1286.80	0.447	5221.34
155	280-28141-F-2-B	0.027	366.71	0.028	326.70	0.059	360.04	0.031	1393.49	0.807	8950.00

Analyte Table

		205 Tl [2]		206 (Pb) [2]		207 (Pb) [2]		208 Pb [2]		232 Th [2]	
	Sample Name	Conc. [ppb]	CPS	Conc. [ppb]	CPS	Conc. [ppb]	CPS	Conc. [ppb]	CPS	Conc. [ppb]	CPS
156	280-28141-F-3-B	0.001	140.02	0.028	333.37	0.035	306.70	0.025	1353.49	0.318	3794.16
157	280-28141-F-4-B	0.009	213.36	0.081	486.72	-0.004	206.68	0.043	1560.18	0.195	2420.42
158	280-28141-F-5-B	0.000	133.35	0.032	346.71	0.019	266.70	0.028	1393.49	0.107	1466.88
159	280-28141-F-6-B	0.023	346.70	0.062	433.38	0.072	400.04	0.034	1460.16	0.089	1260.17
160	280-28141-F-7-B	0.013	246.70	0.035	353.37	0.009	240.02	0.010	1173.46	0.045	773.44
161	ccv-1394868	53.151	490309.64	53.607	154501.64	52.636	131698.96	53.337	618560.79	54.669	597730.29
162	ccb-1394903	0.025	360.04	0.004	260.03	0.008	233.35	0.013	1200.13	0.274	3247.38
163	MB 280-117691...	0.010	220.03	-0.005	233.36	0.021	266.69	-0.006	973.44	0.283	3347.35
164	LCS 280-11769...	42.956	391166.45	43.548	123950.19	42.577	105179.06	43.519	498370.95	42.861	462633.42
165	280-28194-A-9-D	0.137	1360.19	0.773	2420.41	0.593	1660.26	0.644	8314.95	1.908	20661.89
166	280-28194-A-1...	0.146	1433.54	7.932	22424.22	7.207	17704.40	7.632	86900.03	5.048	53888.42
167	280-28194-A-1...	0.026	360.04	1.646	4874.48	1.503	3880.87	1.581	18926.24	0.965	10591.41
168	ccv-1394868	53.400	476715.81	53.882	150258.49	54.049	130843.29	53.911	604977.99	56.691	599749.28
169	ccb-1394903	0.018	280.03	0.005	253.36	0.022	260.03	0.019	1220.14	0.325	3667.48
170	280-28194-A-1...	42.367	376328.81	51.177	142022.54	50.222	120975.07	51.036	569876.96	47.873	504000.10
171	280-28194-A-1...	41.606	371070.32	50.211	139912.30	49.663	120107.67	49.878	559198.13	47.687	504008.27
172	280-28194-A-1...	216.070	1910234.76	221.653	611645.58	221.293	530054.95	223.468	2481000.09	229.142	2400517.41
173	280-28194-A-1...	0.184	1726.95	0.506	1613.58	0.625	1680.26	0.591	7461.68	4.067	42206.45
174	280-28194-A-1...	0.148	1446.90	0.531	1720.24	0.582	1613.62	0.589	7614.85	1.323	14247.79
175	280-28194-A-1...	0.002	140.01	0.028	320.03	0.052	333.36	0.031	1366.81	0.546	6041.76
176	280-28252-I-1-E	0.023	313.37	0.127	573.39	0.136	520.06	0.147	2566.97	0.563	6008.41
177	280-28262-D-1-C	0.002	140.01	0.800	2393.75	0.827	2140.36	0.824	9942.23	0.240	2720.51
178	ccv-1394868	52.875	464998.09	54.124	148711.15	53.069	126575.29	53.809	594878.21	56.588	589819.25
179	ccb-1394903	0.010	200.02	-0.012	200.03	-0.026	140.01	0.009	1066.80	0.275	3040.61
180	280-28293-A-9-A	0.002	140.01	0.052	380.04	0.006	220.03	0.015	1173.47	0.423	4681.19
181	280-28293-A-1...	0.005	160.02	0.180	726.78	0.128	506.72	0.196	3140.46	0.145	1760.27
182	280-28293-A-1...	0.012	153.35	0.429	946.79	0.364	720.08	0.403	3653.87	0.514	3767.54
183	280-28293-A-1...	0.004	113.35	0.186	553.39	0.152	420.05	0.198	2353.66	0.197	1713.58
184	280-28293-A-1...	0.014	166.68	0.524	1113.49	0.427	813.44	0.440	3893.90	0.513	3727.46
185	280-28293-A-1...	-0.002	126.69	0.010	326.71	0.020	313.37	0.004	1293.48	-0.007	233.36
186	280-28293-A-1...	-0.005	93.34	0.106	660.07	0.071	466.72	0.084	2406.95	0.000	326.70

Analyte Table

		205 Tl [2]		206 (Pb) [2]		207 (Pb) [2]		208 Pb [2]		232 Th [2]	
	Sample Name	Conc. [ppb]	CPS	Conc. [ppb]	CPS	Conc. [ppb]	CPS	Conc. [ppb]	CPS	Conc. [ppb]	CPS
187	280-28293-E-2...	-0.001	140.02	0.031	400.04	0.027	333.37	0.043	1826.89	-0.002	300.03
188	ccv-1394868	51.183	544335.68	51.367	170697.46	50.499	145661.18	51.165	684124.56	51.966	655069.45
189	ccb-1394903	0.032	486.72	0.045	433.39	0.021	306.70	0.024	1520.19	0.207	2907.21
190	MB 280-117626...	0.015	306.70	0.253	1113.48	0.187	780.09	0.243	4413.99	0.242	3334.01
191	LCS 280-11762...	41.781	438814.10	42.486	139463.76	40.945	116670.69	41.953	554129.96	41.102	511685.32
192	280-28240-G-1-K	0.053	673.41	0.019	333.37	-0.004	226.69	0.034	1586.87	1.675	20355.31
193	280-28240-G-1-...	0.005	193.35	0.019	340.04	0.035	340.04	0.019	1413.50	0.087	1373.56
194	280-28240-G-1-...	40.354	406733.21	40.214	126712.03	40.499	110756.45	40.381	511935.32	41.626	497340.25
195	280-28240-G-...	40.572	406217.86	40.665	127276.04	40.694	110534.95	41.115	517735.75	43.186	512495.44
196	280-28240-G-1-...	212.215	2083911.74	209.477	642069.38	210.136	559067.35	210.519	2596107.02	223.464	2600614.29
197	280-28240-G-2-H	0.108	1126.81	0.073	460.05	0.058	360.04	0.044	1566.84	2.908	32108.97
198	ccv-1394868	53.400	521502.62	53.913	164517.94	53.382	141378.75	54.131	664614.32	56.551	654646.81
199	ccb-1394903	0.030	420.04	0.040	380.04	0.019	273.36	0.022	1353.49	0.152	2020.32
200	280-28240-G-3-E	0.030	413.38	0.050	400.05	0.018	266.70	0.016	1266.83	0.646	7475.72
201	280-28240-G-4-E	0.021	306.70	0.006	253.36	0.034	286.70	0.033	1366.83	0.243	2787.22
202	280-28240-G-5-E	-0.002	113.34	0.038	360.04	-0.023	160.02	0.008	1153.47	0.103	1400.20
203	280-28240-G-6-E	0.041	486.72	0.114	553.39	0.050	326.70	0.095	2066.94	0.059	886.78
204	280-28240-G-7-E	0.006	180.02	0.029	326.71	-0.019	166.68	0.006	1106.79	0.034	633.41
205	280-28240-G-8-E	0.001	133.35	0.020	300.03	-0.015	173.36	-0.008	940.11	0.016	440.05
206	280-28240-G-9-E	0.001	133.35	0.043	353.37	-0.019	160.01	0.018	1200.13	0.020	473.39
207	280-28240-G-1...	0.008	193.35	-0.026	166.68	-0.011	180.02	-0.015	840.08	0.010	366.71
208	280-28240-G-1...	-0.006	73.34	0.027	320.03	0.047	326.70	0.018	1240.14	0.013	413.38
209	ccv-1394868	53.460	488215.29	54.426	155295.80	54.235	134325.84	54.658	627503.88	57.128	618340.24
210	ccb-1394903	0.017	280.03	-0.003	240.02	0.043	320.03	0.009	1146.80	0.115	1520.21
211	280-28240-G-1...	0.006	166.68	0.059	393.38	0.005	213.36	0.027	1253.46	0.588	6055.06
212	280-28240-G-1...	0.008	193.36	0.033	333.37	0.046	320.04	0.031	1360.18	0.136	1706.93
213	280-28240-G-1...	0.015	240.02	-0.006	213.35	0.077	373.37	0.021	1180.13	0.063	880.11
214	280-28240-G-1...	0.016	253.36	0.046	353.37	0.064	346.71	0.049	1493.49	0.028	533.39
215	280-28240-H-1...	-0.010	33.34	0.264	913.46	0.245	746.76	0.272	3793.90	0.031	553.40
216	280-28240-G-1...	-0.004	80.01	0.125	546.73	0.053	313.37	0.076	1740.22	0.015	400.04
217	280-28240-G-1...	-0.007	60.00	-0.014	186.68	-0.003	186.69	-0.010	840.10	0.003	280.03

Analyte Table

		205 Tl [2]		206 (Pb) [2]		207 (Pb) [2]		208 Pb [2]		232 Th [2]	
	Sample Name	Conc. [ppb]	CPS	Conc. [ppb]	CPS	Conc. [ppb]	CPS	Conc. [ppb]	CPS	Conc. [ppb]	CPS
218	280-28240-G-1...	-0.010	33.33	0.216	766.77	0.157	533.39	0.177	2727.02	-0.002	226.69
219	ccv-1394868	54.540	457279.94	55.327	144928.48	54.083	122969.15	54.694	576435.16	58.523	581516.33
220	ccb-1394903	0.021	293.36	0.005	240.02	0.013	226.69	0.014	1100.13	0.123	1473.54
221	rinse	0.003	140.02	-0.009	200.02	0.012	220.02	0.002	966.78	0.002	266.69
222	rinse	0.008	180.02	-0.005	206.69	-0.032	120.01	0.009	1020.12	0.012	360.05
223	rinse	0.005	153.35	0.020	266.70	0.046	286.70	-0.006	860.10	-0.011	140.02
224	rinse	0.000	106.68	0.018	260.03	-0.034	113.34	-0.007	840.10	-0.011	133.35
225	rinse	0.005	146.68	-0.017	173.35	0.025	240.04	-0.001	893.44	-0.001	233.36
226	icis	0.000	73.34	0.000	240.02	0.000	240.03	0.000	973.44	0.000	280.03
227	ic	100.000	810048.35	100.000	259517.80	100.000	223318.64	100.000	1046306.33	100.000	1069803.34
228	ccv-1394868	51.846	424394.71	50.378	132149.25	50.253	113493.95	50.677	536043.97	50.535	545961.02
229	ccb-1394903	0.033	346.70	0.039	340.04	-0.020	193.36	0.028	1266.81	0.229	2753.86
230	MB 280-117260...	0.015	193.35	0.026	300.03	-0.028	173.35	0.009	1040.12	0.283	3267.35
231	LCS 280-11726...	41.407	332567.70	40.407	104106.52	40.736	90323.98	40.359	419225.96	37.898	402114.60
232	280-28165-A-1...	0.054	480.05	0.104	486.73	0.060	353.37	0.075	1666.86	1.428	14935.15
233	ccv-1394868	52.205	414287.69	52.172	132746.10	51.500	112767.94	51.544	528767.37	51.999	545073.19
234	ccb-1394903	0.037	366.71	0.024	293.37	-0.014	200.02	0.013	1073.47	0.269	3087.32
235	280-28165-G-...	0.059	446.72	0.846	2013.65	0.651	1393.51	0.766	7414.75	1.192	10647.13
236	280-28165-G-2...	0.019	193.35	0.109	446.72	0.169	526.72	0.144	2120.27	0.276	2807.21
237	280-28165-G-3...	0.017	160.02	0.584	1326.86	0.453	946.79	0.500	4694.04	0.112	1120.16
238	280-28165-G-4...	0.024	260.03	0.386	1220.19	0.275	833.46	0.328	4307.37	0.362	4081.14
239	280-28165-G-5...	0.027	266.70	0.110	480.07	0.147	520.06	0.129	2126.95	0.039	640.07
240	ccv-1394868	49.766	540225.71	49.118	170965.51	48.786	146146.95	48.822	685149.05	46.293	663823.98
241	ccb-1394903	0.030	420.05	0.022	393.38	-0.026	240.03	0.011	1433.50	0.187	3053.94
242	280-28165-G-6...	0.023	280.03	-0.001	253.36	0.002	260.04	0.025	1320.16	0.306	3840.81
243	280-28165-G-7...	0.027	300.04	0.047	366.70	-0.004	233.36	0.017	1160.13	0.129	1700.26
244	280-28165-G-8...	0.022	280.03	1.312	4107.58	1.417	3827.77	1.367	17218.91	1.550	19039.90
245	280-28165-G-9...	0.004	126.68	0.045	433.39	0.062	460.06	0.053	1860.25	0.085	1460.20
246	ccv-1394868	49.428	543957.06	48.573	171415.90	49.184	149369.74	48.749	693585.67	46.077	669860.33
247	ccb-1394903	0.026	380.04	0.003	333.37	-0.005	306.70	0.000	1306.81	0.222	3614.15
248	280-28165-G-1...	0.043	393.37	0.540	1526.88	0.528	1320.19	0.514	5907.70	0.877	9010.00

Analyte Table

		205 Tl [2]		206 (Pb) [2]		207 (Pb) [2]		208 Pb [2]		232 Th [2]	
	Sample Name	Conc. [ppb]	CPS	Conc. [ppb]	CPS	Conc. [ppb]	CPS	Conc. [ppb]	CPS	Conc. [ppb]	CPS
249	280-28165-G-1...	0.002	93.34	-0.004	246.69	-0.014	220.02	0.001	1053.44	0.130	1800.30
250	280-28165-G-1...	0.003	120.02	0.016	353.36	0.039	413.38	0.014	1406.81	0.051	1046.80
251	280-28165-G-1...	0.015	233.36	0.326	1313.52	0.280	1046.83	0.286	4800.99	0.356	4974.56
252	280-28165-G-1...	0.003	126.68	0.063	526.72	0.041	433.38	0.057	2046.91	0.073	1386.90
253	ccv-1394868	49.354	533219.54	48.188	166951.07	48.399	144316.07	48.527	677831.43	46.363	661694.60
254	ccb-1394903	0.020	306.70	-0.014	266.69	-0.007	293.36	-0.004	1213.46	0.226	3567.39
255	280-28165-G-1...	18.170	172723.16	17.768	54321.27	17.815	46897.76	17.915	220822.73	18.102	227439.08
256	280-28165-G-1...	18.267	171970.00	18.600	56301.42	18.236	47532.92	18.246	222699.55	18.531	230569.69
257	280-28165-G-1...	186.700	1767722.32	180.043	545972.38	179.385	468050.55	179.234	2191275.83	183.748	2297589.65
258	280-28165-G-1...	0.084	720.08	0.156	613.41	0.187	626.74	0.181	2733.69	2.563	26571.57
259	ccv-1394868	49.930	532137.97	49.534	169286.92	48.503	142650.38	48.728	671402.06	47.363	666782.75
260	ccb-1394903	0.035	473.38	0.003	320.04	-0.004	300.04	0.016	1473.51	0.289	4434.41
261	rinse	0.014	240.02	0.016	360.05	-0.013	266.70	0.002	1273.48	0.008	466.73
262	rinse	0.018	280.03	0.007	320.04	-0.020	240.03	0.008	1313.50	0.006	433.38
263	rinse	0.018	273.36	-0.019	233.36	-0.028	220.02	-0.014	1026.78	0.003	380.04
264	rinse	0.010	186.68	-0.025	213.36	-0.010	266.70	-0.008	1093.45	0.005	406.72
265	rinse	0.007	160.02	-0.015	246.69	-0.003	286.70	-0.002	1173.47	-0.005	280.03
266	icis	0.000	126.68	0.000	166.68	0.000	160.01	0.000	913.43	0.000	533.39
267	ic	100.000	976246.42	100.000	302968.02	100.000	259093.90	100.000	1214692.15	100.000	1220162.64
268	ccv-1394868	52.048	487002.52	52.441	152362.06	54.377	135125.77	53.371	621766.74	52.896	618895.16
269	ccb-1394903	0.039	486.71	0.112	493.39	0.080	353.37	0.057	1566.85	0.266	3627.43
270	280-28063-B-1...	0.011	226.69	0.065	346.71	-0.004	146.68	0.018	1093.46	0.195	2753.82
271	280-28063-E-1...	0.017	166.68	0.334	660.09	0.417	693.42	0.347	2873.71	0.206	1706.93
272	ccv-1394868	53.322	510673.29	54.522	162121.40	53.609	136375.16	54.066	644706.59	52.943	634032.02
273	ccb-1394903	0.031	440.05	0.113	526.73	0.024	233.36	0.044	1513.50	0.266	3887.56
274	280-28286-B-6...	0.047	480.05	0.608	1626.92	0.571	1326.84	0.564	6294.41	0.149	1920.30
275	ccv-1394868	51.843	535598.04	52.653	168923.60	53.303	146261.58	52.742	678493.10	51.206	661544.71
276	ccb-1394903	0.018	340.04	0.047	340.04	0.036	280.03	0.020	1293.48	0.311	4594.44
277	280-28117-E-1...	0.018	266.69	0.037	246.69	0.007	160.02	0.024	1073.45	0.324	3887.48
278	280-28117-E-1...	0.007	200.02	0.036	286.69	0.058	320.03	0.029	1320.14	0.094	1726.95
279	280-28117-E-1...	3.827	31720.37	4.038	10477.72	4.138	9176.87	3.995	41685.18	3.838	39953.92

Analyte Table

		205 Tl [2]		206 (Pb) [2]		207 (Pb) [2]		208 Pb [2]		232 Th [2]	
	Sample Name	Conc. [ppb]	CPS	Conc. [ppb]	CPS	Conc. [ppb]	CPS	Conc. [ppb]	CPS	Conc. [ppb]	CPS
280	280-28117-E-1...	3.724	32729.46	4.189	11531.79	3.778	8923.37	3.827	42505.39	3.860	42727.13
281	280-28117-E-1...	183.256	1593075.08	184.096	496589.33	183.107	422448.73	182.507	1973615.10	191.283	2078315.34
282	ccv-1394868	51.947	552668.44	53.434	176504.69	52.938	149583.50	53.051	702726.15	54.416	723886.14
283	ccb-1394903	0.040	566.73	0.033	300.04	0.072	386.71	0.027	1400.15	0.379	5668.21

Analyte Table

		238 U [2]	
	Sample Name	Conc. [ppb]	CPS
1	rinse-1394889		80.01
2	icis	0.000	33.34
3	cal-1394861	100.000	1265049.62
4	icv-1394869	38.518	493530.29
5	icb-1394903	0.020	293.37
6	icvl-1394870	1.037	13280.13
7	cri-1394886	1.015	13120.08
8	cri-1394887	0.205	2680.48
9	icsa-1391205	0.011	166.68
10	ICSAB-1372208	97.736	1187507.74
11	Carryover Check	0.040	560.07
12	lra-1305595	1979.318	24269013.80
13	rinse	0.574	7215.72
14	ccv-1394868	51.001	650971.24
15	ccb-1394903	0.095	1240.16
16	ccvl-1394870	1.063	13640.58
17	280-28063-B-1...	4.754	53929.30
18	280-28063-B-1...	0.763	9343.59
19	280-28063-B-1...	1.538	18612.87
20	280-28063-B-1...	0.008	146.68
21	280-28063-B-1...	0.015	246.70
22	280-28063-E-1...	0.769	6975.57
23	280-28063-E-1...	0.591	7015.59
24	ccv-1394868	46.981	706000.07
25	ccb-1394903	0.032	520.05
26	ccv-1394868	48.513	723573.27
27	ccv-1394868	49.147	731944.57
28	ccb-1394903	0.033	526.73
29		0.005	106.68
30	rinse	0.001	46.67
31	rinse	0.003	86.67

Analyte Table

		238 U [2]	
	Sample Name	Conc. [ppb]	CPS
32	ccv-1394868	50.595	722329.47
33	ccb-1394903	0.032	480.05
34	280-28063-B-1...	4.582	56954.09
35	280-28063-B-1...	0.818	10524.47
36	280-28063-B-1...	1.580	19874.18
37	ccv-1394868	49.925	742244.47
38	ccb-1394903	0.026	420.05
39	280-28286-B-6...	1.445	10784.64
40	280-28286-B-7...	1.560	19426.87
41	280-28286-B-8...	0.000	40.00
42	280-28063-B-1...	-0.001	20.00
43	280-28063-E-1...	0.646	8349.67
44	ccv-1394868	47.890	826465.38
45	ccb-1394903	0.021	406.72
46	ccv-1394868	53.553	873028.32
47	ccv-1394868	48.612	837817.51
48	ccb-1394903	0.028	526.73
49	rinse	0.006	153.35
50	rinse	0.002	73.34
51	rinse	0.002	73.34
52	rinse	0.000	46.67
53	rinse	0.000	40.00
54	icis	0.000	106.68
55	ic	100.000	1650622.58
56	ccv-1394868	50.766	836826.55
57	ccb-1394903	0.015	340.03
58	280-28063-B-1...	0.007	206.69
59	280-28063-E-1...	0.450	6068.34
60	280-28286-B-7...	1.343	17831.87
61	280-28286-B-8...	-0.001	86.67
62	ccv-1394868	50.301	851529.42

Analyte Table

		238 U [2]	
	Sample Name	Conc. [ppb]	CPS
63	ccb-1394903	0.016	373.37
64	280-28283-A-8-B	0.035	706.75
65	280-28283-A-9-B	0.283	5007.97
66	280-28283-A-1...	0.087	1566.91
67	280-28283-A-1...	0.147	2567.16
68	ccv-1394868	52.351	867792.54
69	ccb-1394903	0.018	393.37
70	280-28286-B-1-B	6.532	69824.93
71	280-28286-B-2-B	1.309	19407.11
72	280-28286-B-3-B	0.313	3994.24
73	280-28286-B-4-B	0.772	6888.86
74	ccv-1394868	48.352	870336.96
75	ccv-1394868	48.399	880253.71
76	ccv-1394868	47.912	872170.77
77	ccb-1394903	0.023	520.07
78	rinse	0.007	240.03
79	rinse	0.003	166.68
80	rinse	0.004	180.02
81	rinse	0.001	126.68
82	icis	0.000	46.67
83	ic	100.000	1708098.15
84	ccv-1394868	50.687	869377.72
85	ccb-1394903	0.031	573.39
86	280-28286-B-2-B	1.352	19520.25
87	280-28286-B-3-B	0.342	4114.28
88	280-28286-B-5-B	1.566	6795.34
89	280-28286-B-1...	3.212	43282.03
90	280-28286-B-4...	0.188	2713.84
91	ccv-1394868	47.323	813564.54
92	ccb-1394903	0.020	393.39
93	rinse	0.012	253.36

Analyte Table

		238 U [2]	
	Sample Name	Conc. [ppb]	CPS
94	rinse	0.010	233.36
95	rinse	0.010	226.69
96	rinse	0.006	153.35
97	icis	0.000	60.01
98	ic	100.000	1627978.52
99	ccv-1394868	51.168	834273.92
100	ccb-1394903	0.035	626.74
101	280-28286-B-2-B	1.254	17591.38
102	280-28286-B-3-B	0.334	3754.16
103	280-28286-B-1...	3.096	37694.86
104	280-28286-B-4...	0.137	1966.98
105	ccv-1394868	52.450	860154.99
106	ccb-1394903	0.022	426.71
107	280-28286-B-5...	0.283	3294.05
108	280-28201-C-1-B	0.006	153.35
109	280-28201-C-2-B	12.655	199362.08
110	280-28201-C-3-B	10.393	148092.95
111	280-28201-C-4-B	0.294	4507.76
112	280-28201-C-5-B	2.242	36050.91
113	ccv-1394868	52.480	826770.77
114	ccb-1394903	0.035	600.07
115	rinse	0.011	233.36
116	rinse	0.008	180.02
117	rinse	0.003	100.01
118	rinse	0.008	180.01
119	rinse	0.007	160.02
120	icis	0.000	73.34
121	ic	100.000	1600824.30
122	ccv-1394868	51.951	831435.22
123	ccb-1394903	0.031	566.73
124	MB 280-117181...	0.024	473.38

Analyte Table

		238 U [2]	
	Sample Name	Conc. [ppb]	CPS
125	LCS 280-11718...	41.454	668463.12
126	LCSD 280-1171...	41.791	678913.32
127	280-28131-S-1-A	0.137	2127.04
128	280-28131-S-3-A	0.045	740.09
129	280-28131-S-4-B	0.139	2180.37
130	280-28131-S-4-...	0.020	380.04
131	ccv-1394868	51.356	807671.00
132	ccb-1394903	0.022	400.04
133	280-28131-S-4-...	39.844	603854.14
134	280-28131-S-4-...	41.673	613256.75
135	280-28131-S-4-...	211.307	3113638.39
136	280-28131-S-5-A	0.103	1700.27
137	280-28131-S-6-A	0.053	920.11
138	280-28076-R-1-A	0.047	740.09
139	ccv-1394868	51.088	806715.22
140	ccb-1394903	0.036	620.07
141	MB 280-117259...	0.010	220.02
142	LCS 280-11725...	45.287	690485.48
143	280-28099-E-4-B	0.018	340.04
144	280-28099-E-5-B	0.007	173.35
145	280-28099-E-6-D	0.014	273.36
146	ccv-1394868	52.618	775586.73
147	ccb-1394903	0.023	400.04
148	280-28141-F-1-B	0.167	2433.77
149	280-28141-F-1-...	0.028	466.72
150	280-28141-F-1-...	46.385	645336.07
151	280-28141-F-1-...	45.717	638965.51
152	280-28141-F-1-...	190.198	2642386.94
153	ccv-1394868	54.962	761500.61
154	ccb-1394903	0.044	660.08
155	280-28141-F-2-B	0.076	1080.13

Analyte Table

		238 U [2]	
	Sample Name	Conc. [ppb]	CPS
156	280-28141-F-3-B	0.117	1666.94
157	280-28141-F-4-B	0.022	366.70
158	280-28141-F-5-B	0.001	73.34
159	280-28141-F-6-B	0.111	1580.25
160	280-28141-F-7-B	0.032	506.73
161	ccv-1394868	55.459	753113.09
162	ccb-1394903	0.026	413.38
163	MB 280-117691...	0.001	73.34
164	LCS 280-11769...	45.599	611261.84
165	280-28194-A-9-D	0.112	1546.89
166	280-28194-A-1...	0.846	11225.01
167	280-28194-A-1...	0.171	2333.74
168	ccv-1394868	55.815	733485.87
169	ccb-1394903	0.027	406.71
170	280-28194-A-1...	46.465	607525.85
171	280-28194-A-1...	44.968	590322.97
172	280-28194-A-1...	232.363	3024621.00
173	280-28194-A-1...	0.171	2253.71
174	280-28194-A-1...	0.129	1746.95
175	280-28194-A-1...	0.009	180.02
176	280-28252-I-1-E	0.015	253.37
177	280-28262-D-1-C	0.692	8870.07
178	ccv-1394868	56.988	737776.73
179	ccb-1394903	0.029	420.05
180	280-28293-A-9-A	0.005	126.68
181	280-28293-A-1...	0.015	253.36
182	280-28293-A-1...	9.448	81983.02
183	280-28293-A-1...	65.455	626029.80
184	280-28293-A-1...	2.875	24801.52
185	280-28293-A-1...	0.003	120.01
186	280-28293-A-1...	0.015	313.37

Analyte Table

		238 U [2]	
	Sample Name	Conc. [ppb]	CPS
187	280-28293-E-2...	0.000	80.01
188	ccv-1394868	52.226	817693.76
189	ccb-1394903	0.026	466.74
190	MB 280-117626...	0.010	226.69
191	LCS 280-11762...	43.152	667149.05
192	280-28240-G-1-K	0.211	3200.63
193	280-28240-G-1-...	0.054	886.79
194	280-28240-G-1-...	42.917	636814.20
195	280-28240-G-...	43.553	641875.37
196	280-28240-G-1-...	227.004	3282225.16
197	280-28240-G-2-H	3.451	46979.51
198	ccv-1394868	56.367	810379.78
199	ccb-1394903	0.042	660.08
200	280-28240-G-3-E	1.398	19400.25
201	280-28240-G-4-E	5.313	68732.62
202	280-28240-G-5-E	0.530	7269.05
203	280-28240-G-6-E	3.837	50015.57
204	280-28240-G-7-E	1.672	22404.56
205	280-28240-G-8-E	0.505	6735.39
206	280-28240-G-9-E	5.097	65680.97
207	280-28240-G-1...	0.976	12746.46
208	280-28240-G-1...	0.280	3787.50
209	ccv-1394868	57.489	772893.53
210	ccb-1394903	0.034	520.05
211	280-28240-G-1...	0.052	680.07
212	280-28240-G-1...	0.000	60.00
213	280-28240-G-1...	12.395	153913.88
214	280-28240-G-1...	1.577	19807.52
215	280-28240-H-1...	0.718	8863.36
216	280-28240-G-1...	0.172	2147.02
217	280-28240-G-1...	0.486	5975.05

Analyte Table

		238 U [2]	
	Sample Name	Conc. [ppb]	CPS
218	280-28240-G-1...	0.481	5795.00
219	ccv-1394868	58.331	719966.21
220	ccb-1394903	0.022	326.70
221	rinse	0.009	160.02
222	rinse	0.008	153.35
223	rinse	0.011	186.69
224	rinse	0.006	120.01
225	rinse	0.009	153.35
226	icis	0.000	60.01
227	ic	100.000	1309744.07
228	ccv-1394868	50.831	672229.94
229	ccb-1394903	0.034	513.40
230	MB 280-117260...	0.016	260.04
231	LCS 280-11726...	40.908	531209.17
232	280-28165-A-1...	0.026	393.38
233	ccv-1394868	51.797	664580.72
234	ccb-1394903	0.020	320.03
235	280-28165-G-...	56.655	612450.91
236	280-28165-G-2...	39.118	444344.89
237	280-28165-G-3...	6.606	65659.97
238	280-28165-G-4...	25.741	331541.16
239	280-28165-G-5...	50.551	609772.47
240	ccv-1394868	46.721	819997.67
241	ccb-1394903	0.036	713.42
242	280-28165-G-6...	31.598	447493.25
243	280-28165-G-7...	43.322	581589.35
244	280-28165-G-8...	15.407	227850.75
245	280-28165-G-9...	17.435	281662.33
246	ccv-1394868	46.765	832105.59
247	ccb-1394903	0.031	626.75
248	280-28165-G-1...	9.237	112932.17

Analyte Table

		238 U [2]	
	Sample Name	Conc. [ppb]	CPS
249	280-28165-G-1...	13.207	188452.09
250	280-28165-G-1...	18.680	312793.00
251	280-28165-G-1...	41.940	669085.98
252	280-28165-G-1...	8.493	146788.49
253	ccv-1394868	46.522	812648.58
254	ccb-1394903	0.026	526.73
255	280-28165-G-1...	60.678	932328.32
256	280-28165-G-1...	61.392	934124.52
257	280-28165-G-1...	225.500	3452300.78
258	280-28165-G-1...	17.640	221608.99
259	ccv-1394868	46.936	808780.30
260	ccb-1394903	0.051	953.47
261	rinse	0.012	286.69
262	rinse	0.010	233.36
263	rinse	0.008	206.69
264	rinse	0.005	160.01
265	rinse	0.005	153.35
266	icis	0.000	106.68
267	ic	100.000	1481901.07
268	ccv-1394868	53.631	761786.11
269	ccb-1394903	0.052	846.79
270	280-28063-B-1...	0.003	146.68
271	280-28063-E-1...	0.982	8162.92
272	ccv-1394868	53.848	782865.14
273	ccb-1394903	0.027	513.39
274	280-28286-B-6...	0.345	4214.28
275	ccv-1394868	52.061	816414.80
276	ccb-1394903	0.026	540.07
277	280-28117-E-1...	0.046	686.74
278	280-28117-E-1...	0.022	440.05
279	280-28117-E-1...	4.170	52091.04

Analyte Table

		238 U [2]	
	Sample Name	Conc. [ppb]	CPS
280	280-28117-E-1...	4.086	54403.79
281	280-28117-E-1...	192.461	2539980.95
282	ccv-1394868	51.374	829714.44
283	ccb-1394903	0.050	940.13

ISTD Table

		6 Li6 (ISTD) [1]		7 (Li) (ISTD) [1]		45 Sc (IS) (ISTD) [2]		72 Ge (IS) (ISTD) [1]		72 Ge (IS) (ISTD) [2]	
	Sample Name	CPS	Recovery%	CPS	Recovery%	CPS	Recovery%	CPS	Recovery%	CPS	Recovery%
1	rinse-1394889	1354853.14		208504.63		787371.81		21962072.17		1121395.19	
2	icis	1351329.79	100.0	208800.97		801965.85	100.0	22017207.17	100.0	1147692.25	100.0
3	cal-1394861	1339823.80	99.1	208714.34		811542.57	101.2	21936238.00	99.6	1146951.44	99.9
4	icv-1394869	1361148.64	100.7	205828.51		813835.53	101.5	22317503.83	101.4	1164857.38	101.5
5	icb-1394903	1360878.92	100.7	208508.09		810601.55	101.1	22112220.50	100.4	1164225.56	101.4
6	icvl-1394870	1367317.32	101.2	207430.99		811201.00	101.2	22005010.51	99.9	1151471.96	100.3
7	cri-1394886	1323247.82	97.9	203765.36		812542.98	101.3	21775733.01	98.9	1164842.75	101.5
8	cri-1394887	1310642.90	97.0	202933.70		815265.43	101.7	21693103.01	98.5	1170280.69	102.0
9	icsa-1391205	1247234.00	92.3	195336.26		803736.89	100.2	19595624.29	89.0	1099558.08	95.8
10	ICSAB-1372208	1276404.61	94.5	200009.43		801920.30	100.0	20162738.45	91.6	1099609.46	95.8
11	Carryover Check	1430460.63	105.9	217397.87		837876.03	104.5	23248530.49	105.6	1202801.00	104.8
12	lra-1305595	1275518.76	94.4	198912.85		727018.69	90.7	20892183.85	94.9	1056895.35	92.1
13	rinse	1287918.73	95.3	196465.20		747949.39	93.3	20931443.44	95.1	1082837.04	94.3
14	ccv-1394868	1285275.70	95.1	195313.14		751079.16	93.7	21029514.27	95.5	1096062.25	95.5
15	ccb-1394903	1326450.44	98.2	202050.84		748441.03	93.3	21119192.18	95.9	1094281.78	95.3
16	ccvl-1394870	1362446.23	100.8	207902.97		773287.23	96.4	21751867.18	98.8	1116589.28	97.3
17	280-28063-B-1...	1163387.62	86.1	203235.74		828630.04	103.3	18461156.39	83.8	1084365.04	94.5
18	280-28063-B-1...	1361936.11	100.8	232462.80		896998.42	111.8	20882048.02	94.8	1180263.16	102.8
19	280-28063-B-1...	1378639.80	102.0	236710.11		906912.59	113.1	20926532.61	95.0	1176538.71	102.5
20	280-28063-B-1...	1721146.34	127.4	264207.51		967820.87	120.7	26969561.27	122.5	1369525.66	119.3
21	280-28063-B-1...	1604567.81	118.7	251227.73		942425.27	117.5	25793880.45	117.2	1330415.76	115.9
22	280-28063-E-1...	1011998.75	74.9	192726.62		826642.44	103.1	14647347.70	66.5	972974.51	84.8
23	280-28063-E-1...	1536303.64	113.7	280262.90		995530.04	124.1	21969409.67	99.8	1233494.12	107.5
24	ccv-1394868	1993230.02	147.5	307330.50		1082288.34	135.0	30325837.88	137.7	1497134.30	130.4
25	ccb-1394903	1888124.65	139.7	290465.78		1054396.67	131.5	28332718.74	128.7	1451869.98	126.5
26	ccv-1394868	1765887.54	130.7	271033.45		1020829.02	127.3	26714597.10	121.3	1407373.52	122.6
27	ccv-1394868	1672046.14	123.7	255804.20		994418.29	124.0	25809970.45	117.2	1375759.30	119.9
28	ccb-1394903	1645069.82	121.7	258159.56		967293.19	120.6	25613320.45	116.3	1356457.33	118.2
29		1562156.40	115.6	237630.78		929542.62	115.9	24673014.63	112.1	1324382.64	115.4
30	rinse	1502185.79	111.2	229585.02		887156.68	110.6	23899327.98	108.5	1272552.41	110.9
31	rinse	1500546.30	111.0	228988.29		890236.73	111.0	23895491.31	108.5	1265644.41	110.3

ISTD Table

		6 Li6 (ISTD) [1]		7 (Li) (ISTD) [1]		45 Sc (IS) (ISTD) [2]		72 Ge (IS) (ISTD) [1]		72 Ge (IS) (ISTD) [2]	
	Sample Name	CPS	Recovery%	CPS	Recovery%	CPS	Recovery%	CPS	Recovery%	CPS	Recovery%
32	ccv-1394868	1386434.88	102.6	217749.70		862477.82	107.5	22432750.50	101.9	1233248.32	107.5
33	ccb-1394903	1378132.49	102.0	211117.12		843537.12	105.2	21718678.85	98.6	1203157.92	104.8
34	280-28063-B-1...	1124046.13	83.2	198527.62		860179.28	107.3	17009679.33	77.3	1122155.09	97.8
35	280-28063-B-1...	1269705.46	94.0	222094.90		872017.67	108.7	18693794.30	84.9	1141537.09	99.5
36	280-28063-B-1...	1319310.13	97.6	221953.46		887496.81	110.7	18429594.31	83.7	1143798.13	99.7
37	ccv-1394868	1614594.31	119.5	248259.62		924902.43	115.3	24448371.30	111.0	1306276.67	113.8
38	ccb-1394903	1563574.90	115.7	242206.27		914713.16	114.1	23970727.15	108.9	1294647.25	112.8
39	280-28286-B-6...	849145.18	62.8	463103.36		777001.94	96.9	9921534.23	45.1	808402.20	70.4
40	280-28286-B-7...	1618313.53	119.8	382349.32		1072248.47	133.7	20365953.03	92.5	1276380.53	111.2
41	280-28286-B-8...	2255040.09	166.9	348974.60		1313653.44	163.8	31070137.87	141.1	1760695.49	153.4
42	280-28063-B-1...	2226230.50	164.7	347398.68		1288162.40	160.6	31875591.19	144.8	1752965.96	152.7
43	280-28063-E-1...	1493996.18	110.6	279409.53		1040520.50	129.7	19340325.54	87.8	1243905.19	108.4
44	ccv-1394868	2113063.86	156.4	327511.63		1201507.20	149.8	28887575.40	131.2	1639904.66	142.9
45	ccb-1394903	2094720.08	155.0	326478.51		1166809.44	145.5	28229267.08	128.2	1599788.16	139.4
46	ccv-1394868	1964339.68	145.4	306060.89		1102439.98	137.5	27876016.25	126.6	1548372.89	134.9
47	ccv-1394868	1936376.60	143.3	304003.11		1167110.29	145.5	27806583.75	126.3	1611750.34	140.4
48	ccb-1394903	1953844.92	144.6	301596.99		1141888.29	142.4	27658225.42	125.6	1593984.04	138.9
49	rinse	1834458.10	135.8	288850.67		1112716.94	138.7	27174575.43	123.4	1576323.73	137.3
50	rinse	1772366.61	131.2	278178.84		1088401.21	135.7	26578674.60	120.7	1531458.78	133.4
51	rinse	1704945.49	126.2	270524.76		1063270.12	132.6	25983765.44	118.0	1510185.19	131.6
52	rinse	1679041.30	124.3	263897.50		1044161.68	130.2	25295060.45	114.9	1467624.87	127.9
53	rinse	1648027.53	122.0	254906.12		1025402.75	127.9	24609165.47	111.8	1443722.32	125.8
54	icis	1581654.75	100.0	247153.86		982822.51	100.0	23777394.65	100.0	1399838.99	100.0
55	ic	1488838.15	94.1	231954.85		961817.90	97.9	22425424.67	94.3	1361815.81	97.3
56	ccv-1394868	1464886.86	92.6	227659.04		931472.98	94.8	22422220.50	94.3	1325283.21	94.7
57	ccb-1394903	1382242.14	87.4	212922.03		899819.36	91.6	20844256.77	87.7	1284857.27	91.8
58	280-28063-B-1...	1294207.28	81.8	199548.22		867278.58	88.2	19309817.21	81.2	1240851.91	88.6
59	280-28063-E-1...	1139108.45	72.0	201682.48		832567.07	84.7	15596219.77	65.6	1081927.14	77.3
60	280-28286-B-7...	1209648.58	76.5	277421.62		900753.14	91.6	15394705.19	64.7	1120999.38	80.1
61	280-28286-B-8...	1716119.36	108.5	261246.13		1011221.32	102.9	24372301.31	102.5	1404043.73	100.3
62	ccv-1394868	1665017.96	105.3	256266.74		990611.55	100.8	24208691.31	101.8	1404454.30	100.3

ISTD Table

		6 Li6 (ISTD) [1]		7 (Li) (ISTD) [1]		45 Sc (IS) (ISTD) [2]		72 Ge (IS) (ISTD) [1]		72 Ge (IS) (ISTD) [2]	
	Sample Name	CPS	Recovery%	CPS	Recovery%	CPS	Recovery%	CPS	Recovery%	CPS	Recovery%
63	ccb-1394903	1608738.83	101.7	247309.27		982973.95	100.0	23410198.82	98.5	1388160.08	99.2
64	280-28283-A-8-B	1436566.17	90.8	229761.13		983013.92	100.0	21730002.18	91.4	1367641.75	97.7
65	280-28283-A-9-B	1470730.33	93.0	230879.60		981358.63	99.9	21855337.17	91.9	1401830.29	100.1
66	280-28283-A-1...	1389890.46	87.9	216842.96		942870.09	95.9	20801406.77	87.5	1328714.15	94.9
67	280-28283-A-1...	1333364.09	84.3	205194.50		917232.15	93.3	19560702.63	82.3	1301703.78	93.0
68	ccv-1394868	1346471.29	85.1	205735.49		898767.72	91.4	19755901.37	83.1	1276140.63	91.2
69	ccb-1394903	1312803.21	83.0	200885.69		867624.20	88.3	19359370.96	81.4	1246946.62	89.1
70	280-28286-B-1-B	926050.37	58.5	293391.33		790134.78	80.4	10414160.68	43.8	907090.77	64.8
71	280-28286-B-2-B	1449580.40	91.6	321055.41		989793.11	100.7	17811988.07	74.9	1238434.72	88.5
72	280-28286-B-3-B	1303367.66	82.4	810606.37		989915.20	100.7	14462459.78	60.8	1134254.23	81.0
73	280-28286-B-4-B	1207707.32	76.4	520206.67		928533.76	94.5	10524488.17	44.3	896508.40	64.0
74	ccv-1394868	2441751.20	154.4	374594.38		1350192.74	137.4	30665039.54	129.0	1767146.28	126.2
75	ccv-1394868	2319540.75	146.7	365232.58		1352819.46	137.6	30380200.38	127.8	1742126.49	124.5
76	ccv-1394868	2253386.78	142.5	354388.93		1320413.31	134.3	29658238.73	124.7	1733566.02	123.8
77	ccb-1394903	2194479.90	138.7	345591.06		1282881.62	130.5	28955067.07	121.8	1721970.03	123.0
78	rinse	2112684.85	133.6	328705.98		1276194.28	129.8	28477264.57	119.8	1696491.01	121.2
79	rinse	2027671.58	128.2	312747.03		1240416.75	126.2	27445087.09	115.4	1680835.91	120.1
80	rinse	1939463.33	122.6	308758.38		1198848.11	122.0	27062887.10	113.8	1653133.83	118.1
81	rinse	1908166.85	120.6	298742.60		1188999.57	121.0	26236552.94	110.3	1623873.05	116.0
82	icis	1802363.49	100.0	287182.52		1147653.45	100.0	25254690.45	100.0	1564655.50	100.0
83	ic	1716373.75	95.2	269047.00		1084377.90	94.5	23787040.48	94.2	1476710.29	94.4
84	ccv-1394868	1664570.33	92.4	258240.18		1067162.46	93.0	22921957.99	90.8	1483213.05	94.8
85	ccb-1394903	1590066.45	88.2	247940.18		1025539.13	89.4	22253808.84	88.1	1418510.97	90.7
86	280-28286-B-2-B	1291345.75	71.6	287891.49		945739.31	82.4	15991231.01	63.3	1185684.04	75.8
87	280-28286-B-3-B	1202103.10	66.7	747813.19		881915.40	76.8	13133245.22	52.0	1021545.82	65.3
88	280-28286-B-5-B	671984.99	37.3	719984.26		599955.23	52.3	4688032.12	18.6	479284.66	30.6
89	280-28286-B-1...	1781566.86	98.8	418144.80		1276469.88	111.2	18648874.72	73.8	1379002.48	88.1
90	280-28286-B-4...	2043642.20	113.4	452104.39		1326989.93	115.6	22125998.84	87.6	1503858.41	96.1
91	ccv-1394868	2648502.44	146.9	402980.98		1432958.57	124.9	33753456.17	133.7	1854358.15	118.5
92	ccb-1394903	2583082.20	143.3	402086.78		1457896.59	127.0	34515504.49	136.7	1898215.49	121.3
93	rinse	2565500.84	142.3	402903.52		1466416.07	127.8	34691000.31	137.4	1916281.43	122.5

ISTD Table

		6 Li6 (ISTD) [1]		7 (Li) (ISTD) [1]		45 Sc (IS) (ISTD) [2]		72 Ge (IS) (ISTD) [1]		72 Ge (IS) (ISTD) [2]	
	Sample Name	CPS	Recovery%	CPS	Recovery%	CPS	Recovery%	CPS	Recovery%	CPS	Recovery%
94	rinse	2538086.60	140.8	395446.28		1464545.45	127.6	34111381.16	135.1	1888923.36	120.7
95	rinse	2435394.73	135.1	383133.50		1428229.77	124.4	33234827.84	131.6	1875664.97	119.9
96	rinse	2461209.52	136.6	382241.24		1395814.09	121.6	33034272.01	130.8	1844002.52	117.9
97	icis	2424210.88	100.0	381618.98		1378305.60	100.0	32235648.68	100.0	1820299.04	100.0
98	ic	2288241.84	94.4	360468.60		1318203.29	95.6	30405786.22	94.3	1756703.98	96.5
99	ccv-1394868	2287237.44	94.3	359994.97		1299045.89	94.2	30346562.05	94.1	1721669.45	94.6
100	ccb-1394903	2232347.15	92.1	349729.78		1246107.30	90.4	29759075.39	92.3	1675983.41	92.1
101	280-28286-B-2-B	1794511.13	74.0	397270.29		1173391.62	85.1	21117647.19	65.5	1408949.14	77.4
102	280-28286-B-3-B	1607428.74	66.3	1004478.65		1046903.94	76.0	17183128.49	53.3	1171817.95	64.4
103	280-28286-B-1...	1816212.88	74.9	409563.41		1145852.51	83.1	19243405.55	59.7	1304534.43	71.7
104	280-28286-B-4...	2147216.84	88.6	418496.67		1291380.29	93.7	24519258.80	76.1	1526974.20	83.9
105	ccv-1394868	2468906.95	101.8	380325.48		1369473.00	99.4	31115807.87	96.5	1769668.93	97.2
106	ccb-1394903	2584168.22	106.6	405122.90		1350571.07	98.0	33698827.83	104.5	1781096.02	97.8
107	280-28286-B-5...	1718386.33	70.9	448215.58		1103151.94	80.0	18201537.23	56.5	1237037.59	68.0
108	280-28201-C-1-B	2434541.01	100.4	375353.90		1301887.95	94.5	30724499.54	95.3	1734959.51	95.3
109	280-28201-C-2-B	2248176.06	92.7	353635.50		1287829.59	93.4	29064539.57	90.2	1681004.61	92.3
110	280-28201-C-3-B	1929694.09	79.6	334485.56		1162175.14	84.3	22638389.66	70.2	1426112.53	78.3
111	280-28201-C-4-B	1945177.81	80.2	304716.73		1153319.83	83.7	25071712.13	77.8	1496479.62	82.2
112	280-28201-C-5-B	1967430.81	81.2	303579.42		1231456.65	89.3	25356392.12	78.7	1612616.96	88.6
113	ccv-1394868	2049986.55	84.6	315846.34		1183343.45	85.9	27487199.59	85.3	1602330.55	88.0
114	ccb-1394903	2031702.72	83.8	311410.54		1147967.61	83.3	27405790.42	85.0	1600754.40	87.9
115	rinse	1986208.47	81.9	307016.73		1143827.17	83.0	27374906.26	84.9	1614035.13	88.7
116	rinse	1917861.06	79.1	298056.16		1127237.59	81.8	26876236.27	83.4	1571739.30	86.3
117	rinse	1836732.62	75.8	284111.91		1111678.14	80.7	26327216.28	81.7	1544177.42	84.8
118	rinse	1841010.33	75.9	283261.32		1094989.93	79.4	25608419.62	79.4	1539157.48	84.6
119	rinse	1772302.74	73.1	276430.07		1075052.56	78.0	25402529.62	78.8	1524556.96	83.8
120	icis	1785568.12	100.0	275519.44		1044004.33	100.0	25160287.96	100.0	1449538.00	100.0
121	ic	1650382.55	92.4	255200.13		1021108.29	97.8	23166782.99	92.1	1412762.12	97.5
122	ccv-1394868	1640597.55	91.9	251175.45		1007840.04	96.5	23087676.33	91.8	1409151.18	97.2
123	ccb-1394903	1600505.79	89.6	247532.23		993051.63	95.1	22782915.49	90.6	1393356.44	96.1
124	MB 280-117181...	1464860.40	82.0	223579.11		982907.77	94.1	20423468.86	81.2	1372160.03	94.7

ISTD Table

		6 Li6 (ISTD) [1]		7 (Li) (ISTD) [1]		45 Sc (IS) (ISTD) [2]		72 Ge (IS) (ISTD) [1]		72 Ge (IS) (ISTD) [2]	
	Sample Name	CPS	Recovery%	CPS	Recovery%	CPS	Recovery%	CPS	Recovery%	CPS	Recovery%
125	LCS 280-11718...	1453523.38	81.4	222241.83		973930.95	93.3	20385907.20	81.0	1361099.20	93.9
126	LCSD 280-1171...	1393540.75	78.0	216084.19		958755.98	91.8	19777965.95	78.6	1337172.58	92.2
127	280-28131-S-1-A	1297238.03	72.7	223509.82		934622.59	89.5	17622092.24	70.0	1258385.68	86.8
128	280-28131-S-3-A	1426213.51	79.9	243174.09		958409.77	91.8	18581492.64	73.9	1264149.80	87.2
129	280-28131-S-4-B	1455343.83	81.5	249424.26		968322.12	92.8	19063131.80	75.8	1276155.22	88.0
130	280-28131-S-4-...	1598669.98	89.5	250718.67		973516.29	93.2	22082075.50	87.8	1349766.91	93.1
131	ccv-1394868	1568844.89	87.9	240665.20		942400.90	90.3	22255174.67	88.5	1334824.09	92.1
132	ccb-1394903	1520334.44	85.1	235400.72		892671.13	85.5	21451665.51	85.3	1272636.94	87.8
133	280-28131-S-4-...	1267613.28	71.0	215403.22		902752.44	86.5	16900568.08	67.2	1203953.50	83.1
134	280-28131-S-4-...	1339364.65	75.0	226932.07		888559.44	85.1	17522513.91	69.6	1195627.72	82.5
135	280-28131-S-4-...	1350238.39	75.6	229088.84		897096.50	85.9	17744144.73	70.5	1190965.74	82.2
136	280-28131-S-5-A	1466940.56	82.2	225273.94		927454.65	88.8	20203510.12	80.3	1289224.98	88.9
137	280-28131-S-6-A	1388684.66	77.8	214847.53		914381.00	87.6	19365878.04	77.0	1275141.10	88.0
138	280-28076-R-1-A	1222695.47	68.5	204720.88		861464.18	82.5	15922894.76	63.3	1135853.52	78.4
139	ccv-1394868	1502658.70	84.2	231769.40		920652.56	88.2	21141653.43	84.0	1293382.43	89.2
140	ccb-1394903	1447497.37	81.1	221896.13		861562.02	82.5	20237215.11	80.4	1237085.11	85.3
141	MB 280-117259...	1266642.81	70.9	194432.87		840450.40	80.5	18212830.56	72.4	1201372.98	82.9
142	LCS 280-11725...	1227230.74	68.7	187030.78		809407.51	77.5	17621746.82	70.0	1173236.57	80.9
143	280-28099-E-4-B	1195274.99	66.9	179685.02		802334.05	76.9	16752304.75	66.6	1139230.01	78.6
144	280-28099-E-5-B	1162595.44	65.1	176855.15		794379.10	76.1	16566477.25	65.8	1127682.19	77.8
145	280-28099-E-6-D	1146389.91	64.2	174975.38		777596.11	74.5	16297084.34	64.8	1110409.36	76.6
146	ccv-1394868	1198317.55	67.1	181044.38		771283.63	73.9	16938871.83	67.3	1102661.89	76.1
147	ccb-1394903	1194895.54	66.9	178587.87		744559.26	71.3	16706406.83	66.4	1074422.53	74.1
148	280-28141-F-1-B	1064673.63	59.6	160907.37		723481.11	69.3	14871487.28	59.1	1037395.56	71.6
149	280-28141-F-1-...	1123461.05	62.9	168487.52		726068.97	69.5	16036033.09	63.7	1060940.95	73.2
150	280-28141-F-1-...	1014738.55	56.8	156826.32		704631.45	67.5	14520765.20	57.7	1000603.71	69.0
151	280-28141-F-1-...	1025849.98	57.5	156323.01		707626.27	67.8	14521287.28	57.7	1005534.99	69.4
152	280-28141-F-1-...	1011843.75	56.7	155781.93		692557.75	66.3	14322700.62	56.9	990615.74	68.3
153	ccv-1394868	1054489.39	59.1	163551.73		691325.61	66.2	15549752.69	61.8	1018469.91	70.3
154	ccb-1394903	1094595.23	61.3	162439.98		684512.07	65.6	15427728.52	61.3	1007589.20	69.5
155	280-28141-F-2-B	966194.88	54.1	148236.40		673797.73	64.5	14004285.62	55.7	971100.95	67.0

ISTD Table

		6 Li6 (ISTD) [1]		7 (Li) (ISTD) [1]		45 Sc (IS) (ISTD) [2]		72 Ge (IS) (ISTD) [1]		72 Ge (IS) (ISTD) [2]	
	Sample Name	CPS	Recovery%	CPS	Recovery%	CPS	Recovery%	CPS	Recovery%	CPS	Recovery%
156	280-28141-F-3-B	987383.77	55.3	152258.46		674687.59	64.6	14336294.79	57.0	983174.39	67.8
157	280-28141-F-4-B	969207.58	54.3	147604.42		679528.55	65.1	14011206.87	55.7	979336.21	67.6
158	280-28141-F-5-B	963281.65	53.9	146980.41		662786.74	63.5	14214692.71	56.5	984620.12	67.9
159	280-28141-F-6-B	948666.49	53.1	146260.68		677668.24	64.9	13732010.21	54.6	977529.88	67.4
160	280-28141-F-7-B	959565.15	53.7	148412.61		677804.96	64.9	14133138.12	56.2	986581.81	68.1
161	ccv-1394868	1011332.60	56.6	155277.45		661587.52	63.4	14845294.78	59.0	983213.87	67.8
162	ccb-1394903	1008268.95	56.5	151004.55		651329.11	62.4	14579106.03	57.9	963842.87	66.5
163	MB 280-117691...	919178.46	51.5	139391.81		634875.86	60.8	13405519.38	53.3	946898.37	65.3
164	LCS 280-11769...	912213.14	51.1	135788.52		626731.55	60.0	13193782.30	52.4	932096.47	64.3
165	280-28194-A-9-D	893317.92	50.0	138547.72		625894.09	60.0	12981019.81	51.6	923365.14	63.7
166	280-28194-A-1...	875633.55	49.0	137232.59		622122.61	59.6	12952836.48	51.5	914166.37	63.1
167	280-28194-A-1...	905846.21	50.7	139511.92		627491.52	60.1	13551080.22	53.9	932158.79	64.3
168	ccv-1394868	913005.27	51.1	138994.65		622127.74	59.6	13418826.47	53.3	926776.89	63.9
169	ccb-1394903	942823.58	52.8	141992.95		618057.04	59.2	13512536.47	53.7	920667.49	63.5
170	280-28194-A-1...	843741.16	47.3	131683.88		608567.26	58.3	12472161.06	49.6	885283.63	61.1
171	280-28194-A-1...	863666.91	48.4	131516.04		607081.57	58.1	12499759.82	49.7	896289.03	61.8
172	280-28194-A-1...	855215.13	47.9	131082.67		600280.50	57.5	12325873.57	49.0	882500.45	60.9
173	280-28194-A-1...	861237.37	48.2	131747.35		597972.90	57.3	12504387.31	49.7	883111.11	60.9
174	280-28194-A-1...	857379.54	48.0	133523.04		611907.31	58.6	12494068.14	49.7	895696.92	61.8
175	280-28194-A-1...	847358.30	47.5	129322.73		604782.65	57.9	12535520.23	49.8	904338.53	62.4
176	280-28252-I-1-E	841593.55	47.1	127811.28		599175.66	57.4	12023488.57	47.8	879454.73	60.7
177	280-28262-D-1-C	846231.04	47.4	130855.04		587179.38	56.2	11963003.57	47.5	862919.39	59.5
178	ccv-1394868	912668.08	51.1	139094.45		606890.62	58.1	13493064.38	53.6	907498.55	62.6
179	ccb-1394903	926349.82	51.9	140398.55		579738.83	55.5	13454403.13	53.5	877651.24	60.5
180	280-28293-A-9-A	868276.59	48.6	129388.24		595273.52	57.0	12631525.64	50.2	883130.61	60.9
181	280-28293-A-1...	842748.23	47.2	129495.60		595402.01	57.0	12510038.56	49.7	883984.52	61.0
182	280-28293-A-1...	669393.42	37.5	192262.80		573881.82	55.0	7614327.39	30.3	683927.62	47.2
183	280-28293-A-1...	926016.43	51.9	267355.17		689048.06	66.0	9562582.36	38.0	793971.58	54.8
184	280-28293-A-1...	932619.28	52.2	248277.95		725746.03	69.5	9013648.20	35.8	782093.43	54.0
185	280-28293-A-1...	1682030.21	94.2	254932.50		967728.03	92.7	21341495.51	84.8	1331856.23	91.9
186	280-28293-A-1...	1651739.21	92.5	254446.42		966187.23	92.5	21938028.01	87.2	1326247.48	91.5

ISTD Table

		6 Li6 (ISTD) [1]		7 (Li) (ISTD) [1]		45 Sc (IS) (ISTD) [2]		72 Ge (IS) (ISTD) [1]		72 Ge (IS) (ISTD) [2]	
	Sample Name	CPS	Recovery%	CPS	Recovery%	CPS	Recovery%	CPS	Recovery%	CPS	Recovery%
187	280-28293-E-2...	1505904.06	84.3	236324.70		941612.43	90.2	20653535.11	82.1	1294271.44	89.3
188	ccv-1394868	1529043.91	85.6	235463.72		922001.37	88.3	20797952.19	82.7	1274592.45	87.9
189	ccb-1394903	1508859.63	84.5	233585.50		902552.23	86.5	20288436.78	80.6	1259752.92	86.9
190	MB 280-117626...	1365432.06	76.5	210816.10		883174.57	84.6	18776882.22	74.6	1221910.43	84.3
191	LCS 280-11762...	1349771.76	75.6	210249.49		862210.32	82.6	18573910.14	73.8	1203406.10	83.0
192	280-28240-G-1-K	1205122.61	67.5	200526.17		834939.34	80.0	16269465.18	64.7	1140312.82	78.7
193	280-28240-G-1-...	1272542.32	71.3	199399.56		838107.28	80.3	17659319.32	70.2	1164768.34	80.4
194	280-28240-G-1-...	1145557.18	64.2	185530.64		804788.43	77.1	15487092.27	61.6	1107907.62	76.4
195	280-28240-G-...	1093679.52	61.3	179510.46		787278.71	75.4	15108433.94	60.0	1081573.42	74.6
196	280-28240-G-1-...	1072072.99	60.0	173626.11		769168.40	73.7	14641081.45	58.2	1058260.06	73.0
197	280-28240-G-2-H	958960.27	53.7	162237.82		735216.21	70.4	12452663.56	49.5	969380.97	66.9
198	ccv-1394868	1109575.96	62.1	167526.80		745593.87	71.4	15949281.43	63.4	1075213.29	74.2
199	ccb-1394903	1127768.66	63.2	171669.71		725790.69	69.5	16176742.26	64.3	1060410.16	73.2
200	280-28240-G-3-E	974383.12	54.6	157629.54		715434.00	68.5	13472382.72	53.5	1002109.33	69.1
201	280-28240-G-4-E	890031.89	49.8	158829.62		681829.55	65.3	11630917.74	46.2	912390.77	62.9
202	280-28240-G-5-E	902986.87	50.6	145919.57		696855.30	66.7	12544118.98	49.9	965990.79	66.6
203	280-28240-G-6-E	877595.31	49.1	146388.28		674879.18	64.6	12182065.65	48.4	923586.44	63.7
204	280-28240-G-7-E	912999.64	51.1	155026.13		684430.67	65.6	13149099.80	52.3	958481.16	66.1
205	280-28240-G-8-E	903140.18	50.6	146294.02		674167.13	64.6	12707060.64	50.5	936551.75	64.6
206	280-28240-G-9-E	874207.27	49.0	145180.88		655142.32	62.8	12190431.90	48.5	903213.92	62.3
207	280-28240-G-1...	868137.44	48.6	140428.59		644613.25	61.7	12451039.40	49.5	899648.61	62.1
208	280-28240-G-1...	872638.54	48.9	138293.10		654995.90	62.7	12546233.98	49.9	924854.70	63.8
209	ccv-1394868	923857.21	51.7	140364.38		652656.63	62.5	14002988.54	55.7	963244.00	66.5
210	ccb-1394903	895782.72	50.2	137301.90		644803.94	61.8	13779669.79	54.8	967154.15	66.7
211	280-28240-G-1...	781895.45	43.8	128566.39		595002.45	57.0	11568706.50	46.0	849787.23	58.6
212	280-28240-G-1...	809559.30	45.3	123563.71		615853.74	59.0	12358465.24	49.1	904171.47	62.4
213	280-28240-G-1...	721729.17	40.4	119521.59		591654.05	56.7	10732856.92	42.7	834617.23	57.6
214	280-28240-G-1...	740726.53	41.5	121765.53		588620.63	56.4	11251316.50	44.7	843675.71	58.2
215	280-28240-H-1...	713349.63	40.0	121930.17		575052.26	55.1	10516811.51	41.8	817671.50	56.4
216	280-28240-G-1...	708124.17	39.7	118943.57		577226.24	55.3	10671702.34	42.4	824395.79	56.9
217	280-28240-G-1...	694916.97	38.9	114152.45		572872.22	54.9	10301564.43	40.9	819631.24	56.5

ISTD Table

		6 Li6 (ISTD) [1]		7 (Li) (ISTD) [1]		45 Sc (IS) (ISTD) [2]		72 Ge (IS) (ISTD) [1]		72 Ge (IS) (ISTD) [2]	
	Sample Name	CPS	Recovery%	CPS	Recovery%	CPS	Recovery%	CPS	Recovery%	CPS	Recovery%
218	280-28240-G-1...	689400.09	38.6	115276.25		559096.09	53.6	10309981.10	41.0	796097.49	54.9
219	ccv-1394868	744707.56	41.7	117237.00		569606.97	54.6	12079178.99	48.0	847898.16	58.5
220	ccb-1394903	722302.06	40.5	113394.73		557321.44	53.4	11663402.33	46.4	842528.22	58.1
221	rinse	698583.60	39.1	109379.34		544681.92	52.2	11426218.16	45.4	826454.15	57.0
222	rinse	676021.28	37.9	106327.71		535178.78	51.3	11150204.00	44.3	809047.80	55.8
223	rinse	655164.00	36.7	103220.92		523339.10	50.1	10845722.76	43.1	801056.37	55.3
224	rinse	638019.92	35.7	99779.34		510350.68	48.9	10574307.76	42.0	791111.86	54.6
225	rinse	627432.16	35.1	99675.79		506501.65	48.5	10398362.55	41.3	783543.74	54.1
226	icis	616197.65	100.0	97146.68		503732.94	100.0	10290265.26	100.0	765772.64	100.0
227	ic	600472.93	97.4	94881.38		493398.09	97.9	9921715.69	96.4	753997.96	98.5
228	ccv-1394868	606747.85	98.5	95666.07		499502.66	99.2	9981588.60	97.0	758885.35	99.1
229	ccb-1394903	625421.90	101.5	98479.39		500275.44	99.3	10216993.81	99.3	761791.27	99.5
230	MB 280-117260...	576970.06	93.6	90835.97		477676.33	94.8	9501004.44	92.3	731236.89	95.5
231	LCS 280-11726...	563397.78	91.4	89178.43		476979.11	94.7	9321717.57	90.6	731179.96	95.5
232	280-28165-A-1...	558822.57	90.7	89073.63		454875.73	90.3	9328696.32	90.7	707945.33	92.4
233	ccv-1394868	584357.24	94.8	92433.06		475644.60	94.4	9659616.94	93.9	733260.88	95.8
234	ccb-1394903	592267.65	96.1	94221.92		474316.14	94.2	9744486.52	94.7	730833.19	95.4
235	280-28165-G-...	515838.89	83.7	132036.54		503076.31	99.9	6840017.61	66.5	644416.37	84.2
236	280-28165-G-2...	617325.82	100.2	155973.32		580221.15	115.2	7676606.97	74.6	711098.79	92.9
237	280-28165-G-3...	614002.76	99.6	133989.73		586901.45	116.5	7137309.68	69.4	669952.23	87.5
238	280-28165-G-4...	873853.79	141.8	191899.02		737289.18	146.4	9838096.31	95.6	884045.19	115.4
239	280-28165-G-5...	903059.85	146.6	207612.94		753939.39	149.7	9756269.02	94.8	869260.53	113.5
240	ccv-1394868	1355293.25	219.9	206695.35		868832.72	172.5	18684234.72	181.6	1220330.53	159.4
241	ccb-1394903	1329349.56	215.7	203083.84		872041.71	173.1	18370813.89	178.5	1217812.30	159.0
242	280-28165-G-6...	975683.91	158.3	207731.88		811976.63	161.2	11747758.16	114.2	981299.39	128.1
243	280-28165-G-7...	980704.05	159.2	220268.95		817939.39	162.4	11066541.08	107.5	949740.53	124.0
244	280-28165-G-8...	1153981.22	187.3	226849.64		860685.43	170.9	13575175.21	131.9	1029059.86	134.4
245	280-28165-G-9...	1181684.26	191.8	217792.69		869928.69	172.7	14545795.61	141.4	1095204.30	143.0
246	ccv-1394868	1290412.77	209.4	199157.46		866947.36	172.1	18098235.98	175.9	1214966.15	158.7
247	ccb-1394903	1260316.44	204.5	197345.20		873340.15	173.4	17753518.49	172.5	1212361.26	158.3
248	280-28165-G-1...	840133.80	136.3	191959.26		748395.46	148.6	9482387.57	92.1	872410.74	113.9

ISTD Table

		6 Li6 (ISTD) [1]		7 (Li) (ISTD) [1]		45 Sc (IS) (ISTD) [2]		72 Ge (IS) (ISTD) [1]		72 Ge (IS) (ISTD) [2]	
	Sample Name	CPS	Recovery%	CPS	Recovery%	CPS	Recovery%	CPS	Recovery%	CPS	Recovery%
249	280-28165-G-1...	1028451.28	166.9	220479.54		874528.84	173.6	11386610.66	110.7	1019870.14	133.2
250	280-28165-G-1...	1254812.34	203.6	217068.22		867494.70	172.2	15583550.19	151.4	1129507.74	147.5
251	280-28165-G-1...	1130813.97	183.5	221522.42		855383.94	169.8	13816787.29	134.3	1075031.03	140.4
252	280-28165-G-1...	1215722.09	197.3	196796.90		866837.12	172.1	16212643.09	157.6	1159041.44	151.4
253	ccv-1394868	1171472.74	190.1	183863.23		852386.29	169.2	16852773.92	163.8	1179309.33	154.0
254	ccb-1394903	1173017.40	190.4	183863.05		842903.95	167.3	16626463.50	161.6	1173563.39	153.3
255	280-28165-G-1...	959760.24	155.8	189693.10		770453.61	152.9	12153276.90	118.1	994332.17	129.8
256	280-28165-G-1...	955237.43	155.0	186078.49		766296.08	152.1	12059388.57	117.2	979768.47	127.9
257	280-28165-G-1...	948193.08	153.9	184800.20		749745.90	148.8	11704900.66	113.7	963354.65	125.8
258	280-28165-G-1...	783834.79	127.2	170394.82		725199.70	144.0	8750406.33	85.0	842557.17	110.0
259	ccv-1394868	1193940.73	193.8	183292.03		817702.96	162.3	16367429.76	159.1	1135887.19	148.3
260	ccb-1394903	1174467.37	190.6	177851.23		818598.09	162.5	15829411.01	153.8	1129789.69	147.5
261	rinse	1078010.66	174.9	168439.46		782105.59	155.3	15328166.02	149.0	1104306.49	144.2
262	rinse	1031287.45	167.4	156356.35		747900.92	148.5	14680166.86	142.7	1067708.32	139.4
263	rinse	993003.94	161.2	152979.56		744188.61	147.7	14276093.96	138.7	1055922.67	137.9
264	rinse	957632.17	155.4	146616.72		729464.10	144.8	13846074.37	134.6	1041380.58	136.0
265	rinse	929219.42	150.8	144156.06		727940.25	144.5	13755831.46	133.7	1034518.19	135.1
266	icis	919036.61	100.0	142258.01		711809.94	100.0	13273700.22	100.0	1015334.18	100.0
267	ic	887632.05	96.6	138819.41		728515.90	102.3	12870028.14	97.0	1018710.32	100.3
268	ccv-1394868	904829.95	98.5	138521.66		701126.73	98.5	12984213.14	97.8	998022.15	98.3
269	ccb-1394903	923227.88	100.5	139032.39		694592.70	97.6	12950235.22	97.6	994609.67	98.0
270	280-28063-B-1...	866282.80	94.3	132489.31		662856.58	93.1	12368797.73	93.2	950956.65	93.7
271	280-28063-E-1...	493046.23	53.6	100476.02		571050.62	80.2	5433783.04	40.9	613044.17	60.4
272	ccv-1394868	1050339.98	114.3	160453.30		770267.90	108.2	14694632.70	110.7	1075559.02	105.9
273	ccb-1394903	1149255.01	125.0	178201.61		813436.31	114.3	16063996.01	121.0	1140400.84	112.3
274	280-28286-B-6...	884253.79	96.2	207632.28		777707.59	109.3	10226721.30	77.0	914628.58	90.1
275	ccv-1394868	1210691.27	131.7	185664.07		860413.50	120.9	16827541.00	126.8	1191475.40	117.3
276	ccb-1394903	1133571.62	123.3	175241.71		868042.33	121.9	15536841.44	117.0	1192126.75	117.4
277	280-28117-E-1...	917532.61	99.8	157613.12		786680.85	110.5	10873985.67	81.9	957942.09	94.3
278	280-28117-E-1...	1122695.55	122.2	175618.24		851801.19	119.7	14084892.71	106.1	1117680.66	110.1
279	280-28117-E-1...	912511.95	99.3	158474.53		788723.27	110.8	10404869.84	78.4	928837.20	91.5

ISTD Table

		6 Li6 (ISTD) [1]		7 (Li) (ISTD) [1]		45 Sc (IS) (ISTD) [2]		72 Ge (IS) (ISTD) [1]		72 Ge (IS) (ISTD) [2]	
	Sample Name	CPS	Recovery%	CPS	Recovery%	CPS	Recovery%	CPS	Recovery%	CPS	Recovery%
280	280-28117-E-1...	989600.44	107.7	171280.30		851603.19	119.6	11408731.91	85.9	1014568.79	99.9
281	280-28117-E-1...	1061249.35	115.5	180280.49		874064.94	122.8	12001601.49	90.4	1027125.48	101.2
282	ccv-1394868	1374714.92	149.6	210032.10		952039.00	133.7	18534590.97	139.6	1309486.96	129.0
283	ccb-1394903	1322966.57	144.0	206112.81		945152.07	132.8	18303793.06	137.9	1291577.37	127.2

ISTD Table

		115 115In (ISTD) [2]		118 (In) (ISTD) [2]		165 Ho-165 (ISTD) [2]	
	Sample Name	CPS	Recovery%	CPS	Recovery%	CPS	Recovery%
1	rinse-1394889	3077411.90		100.01		18421424.31	
2	icis	3129796.67	100.0	140.01		18911181.39	100.0
3	cal-1394861	3173854.40	101.4	62703.82		18844725.55	99.6
4	icv-1394869	3201651.29	102.3	24779.47		19086252.22	100.9
5	icb-1394903	3207733.62	102.5	213.35		19099181.80	101.0
6	icvl-1394870	3206956.21	102.5	6841.93		19038041.38	100.7
7	cri-1394886	3229532.87	103.2	833.43		19207724.30	101.6
8	cri-1394887	3245262.99	103.7	220.02		19254668.46	101.8
9	icsa-1391205	3002795.84	95.9	406.71		18007895.56	95.2
10	ICSAB-1372208	2966971.68	94.8	59820.84		18099228.48	95.7
11	Carryover Check	3283183.55	104.9	133.34		19678030.54	104.1
12	lra-1305595	2990088.54	95.5	1176201.62		18264951.81	96.6
13	rinse	3037757.12	97.1	613.40		18624733.05	98.5
14	ccv-1394868	3095020.56	98.9	31016.65		19012829.30	100.5
15	ccb-1394903	3080400.25	98.4	313.37		18996007.64	100.4
16	ccvl-1394870	3146654.61	100.5	6681.91		19103000.97	101.0
17	280-28063-B-1...	2903766.05	92.8	1533.53		16889115.58	89.3
18	280-28063-B-1...	3099538.92	99.0	260.03		18186463.06	96.2
19	280-28063-B-1...	3057182.74	97.7	340.04		17997839.73	95.2
20	280-28063-B-1...	3655234.04	116.8	200.02		21314479.68	112.7
21	280-28063-B-1...	3591134.37	114.7	153.35		20972705.94	110.9
22	280-28063-E-1...	2418012.10	77.3	140.02		13474646.46	71.3
23	280-28063-E-1...	3131091.65	100.0	200.02		17607953.91	93.1
24	ccv-1394868	3874952.74	123.8	39421.54		22387753.00	118.4
25	ccb-1394903	3859001.95	123.3	193.35		22341733.83	118.1
26	ccv-1394868	3805425.08	121.6	37309.55		22218198.00	117.5
27	ccv-1394868	3753841.56	119.9	37496.90		22186321.34	117.3
28	ccb-1394903	3744533.98	119.6	333.37		22158405.51	117.2
29		3697114.75	118.1	233.36		21932273.84	116.0
30	rinse	3530232.50	112.8	126.68		21433696.35	113.3
31	rinse	3567240.62	114.0	146.68		21707553.01	114.8

ISTD Table

		115 115In (ISTD) [2]		118 (In) (ISTD) [2]		165 Ho-165 (ISTD) [2]	
	Sample Name	CPS	Recovery%	CPS	Recovery%	CPS	Recovery%
32	ccv-1394868	3495744.77	111.7	35024.49		21266523.01	112.5
33	ccb-1394903	3442663.19	110.0	233.36		20920080.52	110.6
34	280-28063-B-1...	3082805.39	98.5	1626.90		18529460.14	98.0
35	280-28063-B-1...	3132178.19	100.1	266.69		19102181.80	101.0
36	280-28063-B-1...	3113264.97	99.5	233.36		18709642.22	98.9
37	ccv-1394868	3617996.74	115.6	36294.44		22145922.17	117.1
38	ccb-1394903	3594967.04	114.9	266.70		22041160.50	116.6
39	280-28286-B-6...	2046538.29	65.4	293.37		11108647.75	58.7
40	280-28286-B-7...	3244623.33	103.7	173.35		18524670.98	98.0
41	280-28286-B-8...	4506326.60	144.0	286.69		26041371.28	137.7
42	280-28063-B-1...	4524772.24	144.6	246.69		26367595.44	139.4
43	280-28063-E-1...	3231900.07	103.3	246.69		19211444.30	101.6
44	ccv-1394868	4308821.39	137.7	43183.52		25730165.45	136.1
45	ccb-1394903	4233677.25	135.3	206.68		25488165.45	134.8
46	ccv-1394868	4110446.38	131.3	45456.64		24355124.64	128.8
47	ccv-1394868	4322351.63	138.1	44366.51		25703474.61	135.9
48	ccb-1394903	4297207.15	137.3	213.35		25540995.45	135.1
49	rinse	4276337.71	136.6	113.35		25285711.29	133.7
50	rinse	4268589.78	136.4	146.68		25339109.62	134.0
51	rinse	4176707.06	133.4	180.02		25060072.96	132.5
52	rinse	4132881.37	132.0	80.00		25047398.80	132.4
53	rinse	4045721.01	129.3	193.35		24819263.80	131.2
54	icis	3996161.33	100.0	193.35		24640411.30	100.0
55	ic	3942828.95	98.7	80061.97		24394112.97	99.0
56	ccv-1394868	3839012.67	96.1	40356.83		24361597.97	98.9
57	ccb-1394903	3765267.23	94.2	280.03		23944962.98	97.2
58	280-28063-B-1...	3718845.19	93.1	166.68		23639485.48	95.9
59	280-28063-E-1...	3129032.36	78.3	246.69		19643858.87	79.7
60	280-28286-B-7...	3198135.81	80.0	206.69		19532963.04	79.3
61	280-28286-B-8...	4047284.36	101.3	146.68		25026952.96	101.6
62	ccv-1394868	3987556.88	99.8	40744.32		25014833.80	101.5

ISTD Table

		115 115In (ISTD) [2]		118 (In) (ISTD) [2]		165 Ho-165 (ISTD) [2]	
	Sample Name	CPS	Recovery%	CPS	Recovery%	CPS	Recovery%
63	ccb-1394903	4007539.52	100.3	273.36		24768619.63	100.5
64	280-28283-A-8-B	3974181.63	99.4	206.69		25124059.62	102.0
65	280-28283-A-9-B	4066040.12	101.7	353.37		25721715.45	104.4
66	280-28283-A-1...	3960327.69	99.1	180.01		24874841.30	101.0
67	280-28283-A-1...	3927128.20	98.3	186.69		24770258.80	100.5
68	ccv-1394868	3785590.22	94.7	40523.34		24495001.30	99.4
69	ccb-1394903	3726300.63	93.2	113.34		24147203.81	98.0
70	280-28286-B-1-B	2615939.85	65.5	153.35		15785802.68	64.1
71	280-28286-B-2-B	3482571.97	87.1	173.35		21808154.68	88.5
72	280-28286-B-3-B	3101770.23	77.6	106.68		18540853.48	75.2
73	280-28286-B-4-B	2335024.04	58.4	120.01		13085868.56	53.1
74	ccv-1394868	4566648.91	114.3	48865.79		26598166.27	107.9
75	ccv-1394868	4605086.48	115.2	48737.95		26874824.60	109.1
76	ccv-1394868	4566088.76	114.3	49226.59		26899717.93	109.2
77	ccb-1394903	4525611.12	113.2	153.35		26620772.10	108.0
78	rinse	4532569.01	113.4	240.03		26921002.93	109.3
79	rinse	4492240.38	112.4	180.02		26622617.94	108.0
80	rinse	4450626.65	111.4	146.68		26413485.44	107.2
81	rinse	4429877.58	110.9	160.01		26173212.11	106.2
82	icis	4340667.80	100.0	126.68		26220712.94	100.0
83	ic	4135793.08	95.3	85695.86		25620302.95	97.7
84	ccv-1394868	4189695.15	96.5	42909.79		25727197.95	98.1
85	ccb-1394903	4057303.09	93.5	193.35		25512583.79	97.3
86	280-28286-B-2-B	3457445.50	79.7	193.35		21613586.35	82.4
87	280-28286-B-3-B	2916690.91	67.2	240.02		17908625.57	68.3
88	280-28286-B-5-B	1243285.15	28.6	320.03		6502898.86	24.8
89	280-28286-B-1...	3528846.24	81.3	180.02		20191926.78	77.0
90	280-28286-B-4...	3748519.97	86.4	206.69		21375278.85	81.5
91	ccv-1394868	4540759.48	104.6	47541.50		25784723.78	98.3
92	ccb-1394903	4716809.34	108.7	200.03		26465554.61	100.9
93	rinse	4785096.33	110.2	160.02		26707790.43	101.9

ISTD Table

		115 115In (ISTD) [2]		118 (In) (ISTD) [2]		165 Ho-165 (ISTD) [2]	
	Sample Name	CPS	Recovery%	CPS	Recovery%	CPS	Recovery%
94	rinse	4762961.01	109.7	180.02		26700326.27	101.8
95	rinse	4699172.96	108.3	246.69		26675133.77	101.7
96	rinse	4647989.67	107.1	126.68		26878291.27	102.5
97	icis	4682921.42	100.0	186.68		26948783.76	100.0
98	ic	4430777.48	94.6	90961.04		26082545.44	96.8
99	ccv-1394868	4462064.07	95.3	47521.84		26121962.94	96.9
100	ccb-1394903	4443718.89	94.9	286.69		25769483.78	95.6
101	280-28286-B-2-B	3765246.41	80.4	260.02		22411703.83	83.2
102	280-28286-B-3-B	3069081.14	65.5	180.01		17822879.73	66.1
103	280-28286-B-1...	3345308.80	71.4	280.03		19487502.21	72.3
104	280-28286-B-4...	3825635.91	81.7	206.69		22475893.83	83.4
105	ccv-1394868	4471241.46	95.5	49481.48		26275912.11	97.5
106	ccb-1394903	4569564.01	97.6	246.69		26639220.43	98.9
107	280-28286-B-5...	3155416.09	67.4	313.37		18384930.56	68.2
108	280-28201-C-1-B	4441475.48	94.8	213.36		25869251.28	96.0
109	280-28201-C-2-B	4346659.10	92.8	293.36		25233302.12	93.6
110	280-28201-C-3-B	3811707.14	81.4	266.69		22824333.83	84.7
111	280-28201-C-4-B	4001551.50	85.4	293.37		24249549.64	90.0
112	280-28201-C-5-B	4322110.18	92.3	166.68		25795988.78	95.7
113	ccv-1394868	4179124.38	89.2	46004.81		25243806.29	93.7
114	ccb-1394903	4223934.65	90.2	206.69		25262649.62	93.7
115	rinse	4232574.47	90.4	126.68		25393542.12	94.2
116	rinse	4240379.55	90.5	193.35		25294905.46	93.9
117	rinse	4184721.03	89.4	146.68		25152750.46	93.3
118	rinse	4141214.46	88.4	160.01		25313301.29	93.9
119	rinse	4123083.09	88.0	193.36		25191638.79	93.5
120	icis	4071129.88	100.0	146.68		25018357.96	100.0
121	ic	3940130.39	96.8	81742.94		24511047.13	98.0
122	ccv-1394868	3999309.57	98.2	43063.24		24503370.47	97.9
123	ccb-1394903	3925662.48	96.4	173.35		24572534.63	98.2
124	MB 280-117181...	4008187.92	98.5	106.67		25062998.79	100.2

ISTD Table

		115 115In (ISTD) [2]		118 (In) (ISTD) [2]		165 Ho-165 (ISTD) [2]	
	Sample Name	CPS	Recovery%	CPS	Recovery%	CPS	Recovery%
125	LCS 280-11718...	3985870.06	97.9	33494.86		24688743.80	98.7
126	LCSD 280-1171...	3937399.25	96.7	33154.67		24872998.80	99.4
127	280-28131-S-1-A	3638157.09	89.4	393.38		23104984.66	92.4
128	280-28131-S-3-A	3640122.48	89.4	193.35		23043668.83	92.1
129	280-28131-S-4-B	3661131.54	89.9	206.69		23228316.32	92.8
130	280-28131-S-4-...	3776055.49	92.8	206.69		23961692.14	95.8
131	ccv-1394868	3821134.03	93.9	40363.20		24078778.81	96.2
132	ccb-1394903	3687192.07	90.6	173.35		23380508.82	93.5
133	280-28131-S-4-...	3585826.90	88.1	27938.16		23215351.32	92.8
134	280-28131-S-4-...	3490328.15	85.7	29995.04		22539771.33	90.1
135	280-28131-S-4-...	3494185.92	85.8	150121.42		22561529.66	90.2
136	280-28131-S-5-A	3817188.80	93.8	260.03		24214809.64	96.8
137	280-28131-S-6-A	3843877.96	94.4	280.03		24498173.80	97.9
138	280-28076-R-1-A	3412555.56	83.8	593.40		21944339.67	87.7
139	ccv-1394868	3786987.10	93.0	40229.66		24180256.31	96.7
140	ccb-1394903	3600501.94	88.4	233.36		23525543.82	94.0
141	MB 280-117259...	3625335.38	89.0	226.69		23437766.32	93.7
142	LCS 280-11725...	3527613.58	86.6	31257.43		23342487.15	93.3
143	280-28099-E-4-B	3489708.25	85.7	86.67		22923662.99	91.6
144	280-28099-E-5-B	3456378.09	84.9	226.69		22756473.83	91.0
145	280-28099-E-6-D	3420514.38	84.0	120.01		22801651.33	91.1
146	ccv-1394868	3357380.58	82.5	34303.02		22566572.16	90.2
147	ccb-1394903	3321777.79	81.6	220.02		22040563.00	88.1
148	280-28141-F-1-B	3249831.81	79.8	320.03		21721168.01	86.8
149	280-28141-F-1-...	3254328.73	79.9	213.36		21805594.67	87.2
150	280-28141-F-1-...	3172437.92	77.9	28265.41		21300986.35	85.1
151	280-28141-F-1-...	3182093.23	78.2	26695.90		21398066.35	85.5
152	280-28141-F-1-...	3132441.02	76.9	135161.13		21271704.68	85.0
153	ccv-1394868	3120891.03	76.7	32172.38		21211899.68	84.8
154	ccb-1394903	3114367.98	76.5	266.69		21035960.94	84.1
155	280-28141-F-2-B	2991990.51	73.5	186.69		20529374.70	82.1

ISTD Table

		115 115In (ISTD) [2]		118 (In) (ISTD) [2]		165 Ho-165 (ISTD) [2]	
	Sample Name	CPS	Recovery%	CPS	Recovery%	CPS	Recovery%
156	280-28141-F-3-B	3109427.31	76.4	113.35		21028459.27	84.1
157	280-28141-F-4-B	3126649.14	76.8	220.03		20918307.19	83.6
158	280-28141-F-5-B	3122646.04	76.7	153.35		21023274.69	84.0
159	280-28141-F-6-B	3101203.61	76.2	513.38		21003205.52	84.0
160	280-28141-F-7-B	3112498.23	76.5	146.68		20975549.69	83.8
161	ccv-1394868	3100683.97	76.2	32353.26		20792679.27	83.1
162	ccb-1394903	3021233.74	74.2	186.68		20656291.36	82.6
163	MB 280-117691...	3023570.63	74.3	140.01		20623955.94	82.4
164	LCS 280-11769...	3018599.03	74.1	25213.69		20523955.94	82.0
165	280-28194-A-9-D	2984353.62	73.3	233.36		20329989.28	81.3
166	280-28194-A-1...	2969473.03	72.9	140.01		20208848.45	80.8
167	280-28194-A-1...	2962061.80	72.8	80.00		20337425.53	81.3
168	ccv-1394868	2963182.94	72.8	31324.15		20120251.78	80.4
169	ccb-1394903	2954173.21	72.6	213.35		19912086.37	79.6
170	280-28194-A-1...	2883323.91	70.8	4694.43		20018291.78	80.0
171	280-28194-A-1...	2953091.99	72.5	4807.77		20101940.12	80.3
172	280-28194-A-1...	2878434.36	70.7	120701.69		19931616.79	79.7
173	280-28194-A-1...	2875572.99	70.6	246.69		19646838.87	78.5
174	280-28194-A-1...	2934661.97	72.1	186.68		20108766.37	80.4
175	280-28194-A-1...	2932746.84	72.0	246.69		20119555.53	80.4
176	280-28252-I-1-E	2853313.25	70.1	393.38		19405163.46	77.6
177	280-28262-D-1-C	2829183.04	69.5	106.68		19511685.96	78.0
178	ccv-1394868	2906037.98	71.4	32526.31		19821812.62	79.2
179	ccb-1394903	2799731.89	68.8	133.35		19251655.13	77.0
180	280-28293-A-9-A	2880624.69	70.8	153.35		19853862.62	79.4
181	280-28293-A-1...	2873591.26	70.6	126.68		19653756.37	78.6
182	280-28293-A-1...	2145086.44	52.7	113.34		13279661.88	53.1
183	280-28293-A-1...	2353617.67	57.8	153.34		14642623.12	58.5
184	280-28293-A-1...	2219646.10	54.5	173.35		13188289.80	52.7
185	280-28293-A-1...	3878459.02	95.3	246.69		24431455.47	97.7
186	280-28293-A-1...	3912416.86	96.1	160.01		24678689.63	98.6

ISTD Table

		115 115In (ISTD) [2]		118 (In) (ISTD) [2]		165 Ho-165 (ISTD) [2]	
	Sample Name	CPS	Recovery%	CPS	Recovery%	CPS	Recovery%
187	280-28293-E-2...	3908390.82	96.0	146.68		24565048.80	98.2
188	ccv-1394868	3767847.48	92.6	38298.66		23970282.14	95.8
189	ccb-1394903	3754833.62	92.2	186.68		23763170.48	95.0
190	MB 280-117626...	3715528.01	91.3	153.35		23718364.65	94.8
191	LCS 280-11762...	3707841.25	91.1	31370.48		23669562.15	94.6
192	280-28240-G-1-K	3526536.42	86.6	253.36		22771020.49	91.0
193	280-28240-G-1-...	3606868.28	88.6	266.70		23207475.49	92.8
194	280-28240-G-1-...	3456129.16	84.9	28779.62		22717298.83	90.8
195	280-28240-G-...	3432887.23	84.3	28659.36		22565027.16	90.2
196	280-28240-G-1-...	3380917.74	83.0	144649.95		22137824.67	88.5
197	280-28240-G-2-H	3145289.19	77.3	360.03		20816404.27	83.2
198	ccv-1394868	3339196.39	82.0	36414.27		22014463.84	88.0
199	ccb-1394903	3310713.21	81.3	200.02		21594729.68	86.3
200	280-28240-G-3-E	3219610.53	79.1	120.01		21187600.52	84.7
201	280-28240-G-4-E	2975230.61	73.1	193.35		19792185.12	79.1
202	280-28240-G-5-E	3121894.92	76.7	86.67		20841662.60	83.3
203	280-28240-G-6-E	2974703.86	73.1	140.02		19935724.29	79.7
204	280-28240-G-7-E	3082509.59	75.7	126.68		20461165.94	81.8
205	280-28240-G-8-E	3051725.63	75.0	133.35		20254808.87	81.0
206	280-28240-G-9-E	2927107.52	71.9	100.01		19715586.37	78.8
207	280-28240-G-1...	2939856.46	72.2	146.69		19905316.37	79.6
208	280-28240-G-1...	3064976.59	75.3	93.34		20405196.78	81.6
209	ccv-1394868	3096633.23	76.1	34196.29		20583093.02	82.3
210	ccb-1394903	3116315.81	76.5	213.35		20586578.02	82.3
211	280-28240-G-1...	2813813.90	69.1	180.02		18953639.72	75.8
212	280-28240-G-1...	3032758.99	74.5	86.67		20113407.20	80.4
213	280-28240-G-1...	2815274.89	69.2	13519.79		19006046.39	76.0
214	280-28240-G-1...	2832440.29	69.6	500.05		19178692.21	76.7
215	280-28240-H-1...	2790180.07	68.5	253.35		18780321.80	75.1
216	280-28240-G-1...	2802961.64	68.8	246.69		18658440.55	74.6
217	280-28240-G-1...	2771897.10	68.1	120.01		18664149.31	74.6

ISTD Table

		115 115In (ISTD) [2]		118 (In) (ISTD) [2]		165 Ho-165 (ISTD) [2]	
	Sample Name	CPS	Recovery%	CPS	Recovery%	CPS	Recovery%
218	280-28240-G-1...	2697925.31	66.3	173.35		18292880.15	73.1
219	ccv-1394868	2805768.28	68.9	29454.01		18896825.55	75.5
220	ccb-1394903	2812047.46	69.1	286.70		18868179.72	75.4
221	rinse	2776797.10	68.2	133.35		18664336.39	74.6
222	rinse	2710551.55	66.6	200.02		18322680.15	73.2
223	rinse	2715992.10	66.7	133.34		18071915.98	72.2
224	rinse	2644414.80	65.0	146.68		17991417.23	71.9
225	rinse	2639803.59	64.8	60.00		17901713.06	71.6
226	icis	2616552.38	100.0	213.36		17809732.65	100.0
227	ic	2549402.89	97.4	53566.67		17515101.41	98.3
228	ccv-1394868	2570195.98	98.2	26642.43		17710434.32	99.4
229	ccb-1394903	2593265.94	99.1	180.02		17697413.49	99.4
230	MB 280-117260...	2545702.11	97.3	106.68		17374431.82	97.6
231	LCS 280-11726...	2530207.21	96.7	21027.85		17363445.16	97.5
232	280-28165-A-1...	2437319.60	93.2	146.68		16819422.67	94.4
233	ccv-1394868	2497482.36	95.4	26708.93		17157321.41	96.3
234	ccb-1394903	2486670.88	95.0	200.02		17156063.91	96.3
235	280-28165-G-...	2199689.02	84.1	166.68		14627897.70	82.1
236	280-28165-G-2...	2340427.68	89.4	400.04		15278920.19	85.8
237	280-28165-G-3...	2096122.22	80.1	233.36		13283409.38	74.6
238	280-28165-G-4...	2769771.72	105.9	300.04		17245480.16	96.8
239	280-28165-G-5...	2658058.35	101.6	273.36		16129723.93	90.6
240	ccv-1394868	3698821.73	141.4	38860.12		23468515.48	131.8
241	ccb-1394903	3756179.92	143.6	340.04		23525563.82	132.1
242	280-28165-G-6...	3062838.77	117.1	100.01		18935755.55	106.3
243	280-28165-G-7...	2963360.18	113.3	246.69		17951241.81	100.8
244	280-28165-G-8...	3206665.13	122.6	346.71		19775223.45	111.0
245	280-28165-G-9...	3412183.62	130.4	193.35		21598965.51	121.3
246	ccv-1394868	3739319.30	142.9	39948.95		23792397.15	133.6
247	ccb-1394903	3777345.04	144.4	286.70		23872643.81	134.0
248	280-28165-G-1...	2710944.75	103.6	293.36		16341603.51	91.8

ISTD Table

		115 115In (ISTD) [2]		118 (In) (ISTD) [2]		165 Ho-165 (ISTD) [2]	
	Sample Name	CPS	Recovery%	CPS	Recovery%	CPS	Recovery%
249	280-28165-G-1...	3175727.66	121.4	273.37		19095008.05	107.2
250	280-28165-G-1...	3576849.25	136.7	180.02		22387078.00	125.7
251	280-28165-G-1...	3409251.11	130.3	233.36		21332125.51	119.8
252	280-28165-G-1...	3667862.06	140.2	193.35		23100533.82	129.7
253	ccv-1394868	3709706.60	141.8	38418.85		23358777.15	131.2
254	ccb-1394903	3712000.53	141.9	373.38		23252731.32	130.6
255	280-28165-G-1...	3253787.89	124.4	11665.51		20545699.69	115.4
256	280-28165-G-1...	3191673.88	122.0	11811.92		20346691.78	114.2
257	280-28165-G-1...	3198595.68	122.2	133092.65		20472645.94	115.0
258	280-28165-G-1...	2723205.82	104.1	200.02		16795909.75	94.3
259	ccv-1394868	3635189.86	138.9	37557.15		23042197.99	129.4
260	ccb-1394903	3645325.67	139.3	300.02		23040879.66	129.4
261	rinse	3594488.00	137.4	180.02		22728222.16	127.6
262	rinse	3480822.28	133.0	173.35		22069347.17	123.9
263	rinse	3454409.97	132.0	220.02		22046425.50	123.8
264	rinse	3431108.53	131.1	173.35		21833324.68	122.6
265	rinse	3441283.01	131.5	180.02		21838083.84	122.6
266	icis	3384210.30	100.0	166.69		21532998.85	100.0
267	ic	3461466.42	102.3	65480.57		22390613.83	104.0
268	ccv-1394868	3324307.91	98.2	34723.91		21439911.35	99.6
269	ccb-1394903	3341311.35	98.7	153.35		21436713.43	99.6
270	280-28063-B-1...	3245402.06	95.9	220.03		20988918.86	97.5
271	280-28063-E-1...	2028901.78	60.0	166.69		12461121.48	57.9
272	ccv-1394868	3434776.08	101.5	35606.02		21945757.17	101.9
273	ccb-1394903	3625099.84	107.1	280.03		22848193.83	106.1
274	280-28286-B-6...	2946254.35	87.1	213.35		18053706.81	83.8
275	ccv-1394868	3790887.59	112.0	38051.01		23677128.81	110.0
276	ccb-1394903	3830408.72	113.2	206.69		23888446.31	110.9
277	280-28117-E-1...	3094392.34	91.4	306.70		19304245.54	89.6
278	280-28117-E-1...	3596802.26	106.3	206.68		22644577.16	105.2
279	280-28117-E-1...	3038387.53	89.8	2553.71		19039048.88	88.4

ISTD Table

		115 115In (ISTD) [2]		118 (In) (ISTD) [2]		165 Ho-165 (ISTD) [2]	
	Sample Name	CPS	Recovery%	CPS	Recovery%	CPS	Recovery%
280	280-28117-E-1...	3213130.00	94.9	2900.49		20066888.03	93.2
281	280-28117-E-1...	3196048.18	94.4	134323.10		19922495.54	92.5
282	ccv-1394868	4017959.79	118.7	42561.98		24377248.81	113.2
283	ccb-1394903	4019911.30	118.8	273.36		24473088.80	113.7

TestAmerica Denver

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THE LEADER IN ENVIRONMENTAL TESTING

ICP/MS Technical Data Review Checklist

Lab Project ID Number(s): see attached cover sheet Check Method/SOP Used: 6020/DV-MT-0018 200.8/DV-MT-0002

Review Items	--- Level 1 --- Yes	No	N/A	Level 2	Comments & Samples Affected
Tune					
1. Tune solution analyzed min. of 4 times for 6020 or 5 times for 200.8?	✓			✓	
2. Tune RSD <5%?	✓			✓	
2. Resolution ≤ 0.9 AMU full width at 10% peak height? **NOTE**: This also satisfies 200.8, 1.0 AMU at 5% peak height	✓			✓	
Initial Calibration					
1. Done with a minimum of 3 integrations of a high standard and blank?	✓			✓	
2. ICV/CCV run at beginning of run, 10% frequency, and end of run? Results with 10% of expected value?	✓			✓	
3. ICB/CCB run at beginning of run, 10% frequency, and end of run? Results +/- RL	✓			✓	
4. ICSA/AB analyzed at beginning of run and every 12 hours and results 80-120% of TV?	✓			✓	
5. RL Std analyzed at beginning of run and results +/- 50% of TV(for AFCEE 4.0, DoD V3 +/- 20% of true value)?	✓			✓	
Client Samples & QC Sample Results					
1. Were all samples within linear range, ≤ 90% of LDR for 200.8?	✓			✓	
2. Dilutions due to target elements? ___ Dilutions for other reasons? ___	✓			✓	
3. All reported results bracketed by in control QC?	✓			✓	
4. All 6020 internal standards for all analyses 30-120% of intensities in blank or all 200.8 internal standards 60-125%?	✓			✓	
5. Was a 5X serial dilution analyzed for 6020 and, if so, are results ± 10% of original result, if original ≥ 100x MDL?	✓			✓	
6. LCS included in batch and within QC limits?	✓			✓	
7. Method blank included and <1/2RL?	✓			✓	
8. MS and MSD included in batch?	✓			✓	
9. PDS analyzed and recovery 75-125%?	✓			✓	
10. Manual calculations documented properly and checked?	✓			✓	
11. Are non-conformances documented on an NCM?	✓			✓	
12. Is the appropriate raw data included?	✓			✓	
13. Are all results manually entered into LIMS verified? Are all electronic data files archived to the appropriate network locations?	✓			✓	
14. Were special client requirements met?	✓			✓	

1st Level Reviewer: Ann Tallel Date: 5/3/12 200.8 batch NA

2nd Level Reviewer: Tyeunyis Dy Date: 5/4/12 6020 batch 118058

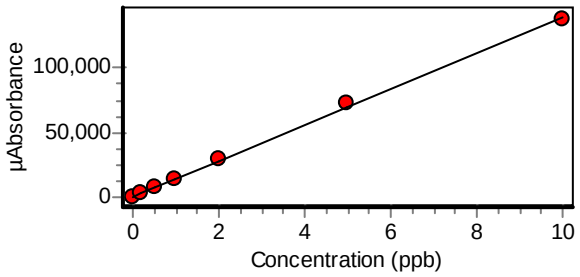
Report Generated By CETAC QuickTrace
Analyst: RawlingsB
Worksheet file: C:\Program Files\QuickTrace\Worksheets\May 2012\120503aa.wsz
Date Started: 5/3/2012 2:42:51 PM
Comment:

Results

Sample Name	Type	Date/Time	Conc (ppb)	µAbs	%RSD	Flags	Wt. ODF	Vol.
Cal Blank	STD	05/03/12 03:01:14 pm	0.000	-32	13.37		1.00 1.00	1.00
Std1	STD	05/03/12 03:03:32 pm	0.200	2840	0.25		1.00 1.00	1.00
Std2	STD	05/03/12 03:05:50 pm	0.500	7498	0.31		1.00 1.00	1.00
Std3	STD	05/03/12 03:08:09 pm	1.000	14138	0.37		1.00 1.00	1.00
Std4	STD	05/03/12 03:10:28 pm	2.000	28774	0.29		1.00 1.00	1.00
Std5	STD	05/03/12 03:12:48 pm	5.000	72610	0.30		1.00 1.00	1.00
Std6	STD	05/03/12 03:15:08 pm	10.000	138049	0.42		1.00 1.00	1.00

Calibration

Equation: A = 631.377 + 13874.760C
R2: 0.99938
SEE: 1386.3180
Flags:



ICV 1398702	ICV	05/03/12 03:22:46 pm	3.990	55998	0.37		1.00 1.00	1.00
% Recovery 99.76								
ICB	ICB	05/03/12 03:28:24 pm	-0.049	-52	11.04		1.00 1.00	1.00
CRA 1398704	CRDL	05/03/12 03:33:44 pm	0.161	2864	0.20		1.00 1.00	1.00
% Recovery 80.44								

Sample Name	Type	Date/Time	Conc (ppb)	µAbs	%RSD	Flags	Wt.	Vol.	ODF
CCV 1398703	CCV	05/03/12 03:36:04 pm	5.306	74252	0.26		1.00	1.00	1.00
% Recovery 106.12									
CCB	CCB	05/03/12 03:38:21 pm	-0.049	-47	16.83		1.00	1.00	1.00
MB 280-118091/1-A	UNK	05/03/12 03:40:38 pm	-0.052	-97	2.90		1.00	1.00	1.00
LCS 280-118091/2-A	UNK	05/03/12 03:46:30 pm	4.731	66275	0.25		1.00	1.00	1.00
280-28213-C-1-B	UNK	05/03/12 03:48:48 pm	-0.051	-71	7.04		1.00	1.00	1.00
280-28363-S-1-B	UNK	05/03/12 03:51:06 pm	-0.034	158	5.13	s	1.00	1.00	1.00
280-28394-B-1-A	UNK	05/03/12 03:53:24 pm	-0.045	5	196.42		1.00	1.00	1.00
280-28394-B-1-B MS	UNK	05/03/12 03:55:42 pm	4.836	67726	0.30		1.00	1.00	1.00
280-28394-B-1-C MSD	UNK	05/03/12 03:58:01 pm	4.776	66896	0.19		1.00	1.00	1.00
280-28394-B-2-A	UNK	05/03/12 04:00:20 pm	-0.048	-28	31.92		1.00	1.00	1.00
280-28394-B-3-A	UNK	05/03/12 04:02:39 pm	-0.048	-31	23.93		1.00	1.00	1.00
CCV 1398703	CCV	05/03/12 04:04:59 pm	5.225	73121	0.21		1.00	1.00	1.00
% Recovery 104.49									
CCB	CCB	05/03/12 04:07:16 pm	-0.044	17	19.47		1.00	1.00	1.00
280-28394-B-4-A	UNK	05/03/12 04:09:36 pm	-0.049	-50	4.94		1.00	1.00	1.00
280-28394-B-5-A	UNK	05/03/12 04:11:56 pm	-0.046	-1	452.36		1.00	1.00	1.00
280-28395-A-1-B	UNK	05/03/12 04:14:16 pm	0.014	822	0.43		1.00	1.00	1.00
280-28412-C-1-A	UNK	05/03/12 04:16:33 pm	-0.050	-61	11.76		1.00	1.00	1.00

Sample Name	Type	Date/Time	Conc (ppb)	µAbs	%RSD	Flags	Wt.	Vol.	ODF
280-28412-C-2-A	UNK	05/03/12 04:18:50 pm	-0.049	-50	26.78		1.00	1.00	1.00
280-28412-C-3-A	UNK	05/03/12 04:21:07 pm	-0.053	-97	3.67		1.00	1.00	1.00
280-28412-C-4-A	UNK	05/03/12 04:23:24 pm	-0.048	-37	19.12		1.00	1.00	1.00
280-28412-C-5-A	UNK	05/03/12 04:25:42 pm	-0.046	-13	39.78		1.00	1.00	1.00
LB 280-117814/1-C	UNK	05/03/12 04:28:00 pm	-0.050	-63	8.87		1.00	1.00	1.00
LCS 280-117814/2-C	UNK	05/03/12 04:30:19 pm	4.795	67159	0.20		1.00	1.00	1.00
CCV 1398703	CCV	05/03/12 04:32:39 pm	5.161	72242	0.16		1.00	1.00	1.00
% Recovery 103.22									
CCB	CCB	05/03/12 04:34:56 pm	-0.047	-24	9.64		1.00	1.00	1.00
280-28338-A-1-E	UNK	05/03/12 04:37:14 pm	-0.046	-13	28.32		1.00	1.00	1.00
280-28338-A-1-F DU	UNK	05/03/12 04:39:33 pm	-0.051	-72	9.44		1.00	1.00	1.00
280-28338-A-1-G MS	UNK	05/03/12 04:41:53 pm	4.257	59701	0.25		1.00	1.00	1.00
LB 280-117812/1-C	UNK	05/03/12 04:44:12 pm	-0.043	29	17.00		1.00	1.00	1.00
LCS 280-117812/2-C	UNK	05/03/12 04:46:32 pm	5.207	72871	0.23		1.00	1.00	1.00
280-28265-A-1-M	UNK	05/03/12 04:48:49 pm	-0.047	-14	25.35		1.00	1.00	1.00
280-28265-A-1-N MS	UNK	05/03/12 04:51:06 pm	3.916	54963	0.17		1.00	1.00	1.00
280-28265-A-1-O MSD	UNK	05/03/12 04:53:23 pm	4.279	60004	0.19		1.00	1.00	1.00
MB 280-117513/1-A	UNK	05/03/12 04:55:40 pm	-0.053	-105	4.52		1.00	1.00	1.00

Sample Name	Type	Date/Time	Conc (ppb)	µAbs	%RSD	Flags	Wt.	Vol.	ODF
CCV 1398703	CCV	05/03/12 04:58:00 pm	5.122	71702	0.19		1.00	1.00	1.00
% Recovery 102.45									
CCB	CCB	05/03/12 05:00:17 pm	-0.046	-13	49.15		1.00	1.00	1.00
LCS 280-117513/2-A	UNK	05/03/12 05:02:35 pm	4.807	67325	0.25		1.00	1.00	1.00
280-28132-D-1-D	UNK	05/03/12 05:04:53 pm	-0.048	-40	8.52		1.00	1.00	1.00
280-28161-C-1-B	UNK	05/03/12 05:07:12 pm	-0.045	7	32.80		1.00	1.00	1.00
280-28161-C-2-B	UNK	05/03/12 05:09:30 pm	-0.044	18	21.61		1.00	1.00	1.00
280-28161-C-3-B	UNK	05/03/12 05:11:49 pm	-0.049	-53	16.14		1.00	1.00	1.00
280-28191-N-1-B	UNK	05/03/12 05:14:09 pm	-0.048	-38	22.38		1.00	1.00	1.00
280-28222-A-1-A	UNK	05/03/12 05:16:28 pm	-0.052	-91	11.99		1.00	1.00	1.00
280-28222-A-2-A	UNK	05/03/12 05:18:48 pm	-0.049	-45	8.10		1.00	1.00	1.00
280-28222-A-3-A	UNK	05/03/12 05:21:05 pm	-0.048	-35	16.93		1.00	1.00	1.00
CCV 1398703	CCV	05/03/12 05:25:20 pm	5.146	72026	0.16		1.00	1.00	1.00
% Recovery 102.91									
CCB	CCB	05/03/12 05:27:37 pm	-0.046	-3	240.20		1.00	1.00	1.00
280-28222-A-4-A	UNK	05/03/12 05:29:54 pm	-0.049	-49	25.46		1.00	1.00	1.00
280-28222-A-5-A	UNK	05/03/12 05:32:11 pm	-0.050	-65	4.61		1.00	1.00	1.00
280-28222-A-6-A	UNK	05/03/12 05:34:29 pm	-0.050	-56	9.46		1.00	1.00	1.00
280-28222-A-7-A	UNK	05/03/12 05:36:47 pm	-0.051	-80	6.33		1.00	1.00	1.00

Sample Name	Type	Date/Time	Conc (ppb)	µAbs	%RSD	Flags	Wt.	Vol.	ODF
280-28222-A-8-A	UNK	05/03/12 05:39:05 pm	-0.046	-12	24.29		1.00	1.00	1.00
280-28222-A-9-A	UNK	05/03/12 05:41:23 pm	-0.046	0	088.09		1.00	1.00	1.00
280-28222-A-9-B MS	UNK	05/03/12 05:43:42 pm	4.462	62542	0.25		1.00	1.00	1.00
280-28222-A-9-C MSD	UNK	05/03/12 05:46:01 pm	4.215	59120	0.24		1.00	1.00	1.00
280-28222-A-10-A	UNK	05/03/12 05:48:20 pm	-0.049	-51	4.93		1.00	1.00	1.00
280-28222-A-11-A	UNK	05/03/12 05:50:39 pm	-0.047	-25	23.30		1.00	1.00	1.00
CCV 1398703	CCV	05/03/12 05:52:59 pm	5.143	71982	0.15		1.00	1.00	1.00
% Recovery 102.85									
CCB	CCB	05/03/12 05:55:16 pm	-0.047	-18	20.53		1.00	1.00	1.00
280-28222-A-12-A	UNK	05/03/12 05:57:36 pm	-0.049	-54	21.69		1.00	1.00	1.00
280-28222-A-13-A	UNK	05/03/12 05:59:54 pm	-0.047	-21	13.04		1.00	1.00	1.00
MB 280-117333/1-A	UNK	05/03/12 06:02:11 pm	-0.050	-63	4.38		1.00	1.00	1.00
LCS 280-117333/2-A	UNK	05/03/12 06:04:29 pm	4.870	68206	0.25		1.00	1.00	1.00
LCSD 280-117333/3-A	UNK	05/03/12 06:06:46 pm	4.907	68709	0.26		1.00	1.00	1.00
280-28076-R-1-C	UNK	05/03/12 06:09:04 pm	-0.049	-54	9.82		1.00	1.00	1.00
280-28131-R-1-C	UNK	05/03/12 06:11:22 pm	-0.048	-32	16.82		1.00	1.00	1.00
280-28131-R-3-C	UNK	05/03/12 06:13:40 pm	-0.049	-50	2.85		1.00	1.00	1.00
280-28131-BA-4-A	UNK	05/03/12 06:15:59 pm	-0.048	-38	3.35		1.00	1.00	1.00

Sample Name	Type	Date/Time	Conc (ppb)	µAbs	%RSD	Flags	Wt.	Vol.
							ODF	
CCV 1398703	CCV	05/03/12 06:18:19 pm	5.094	71312	0.25		1.00	1.00
% Recovery 101.88							1.00	
CCB	CCB	05/03/12 06:20:36 pm	-0.047	-27	18.68		1.00	1.00
							1.00	
280-28131-BA-4-B MS	UNK	05/03/12 06:22:55 pm	4.573	64077	0.24		1.00	1.00
							1.00	
280-28131-BA-4-C MSD	UNK	05/03/12 06:25:14 pm	4.827	67599	0.25		1.00	1.00
							1.00	
280-28131-R-5-C	UNK	05/03/12 06:27:34 pm	-0.050	-59	13.48		1.00	1.00
							1.00	
280-28131-R-6-C	UNK	05/03/12 06:29:54 pm	-0.048	-31	8.26		1.00	1.00
							1.00	
MB 280-117332/1-A	UNK	05/03/12 06:32:12 pm	-0.047	-27	19.40		1.00	1.00
							1.00	
LCS 280-117332/2-A	UNK	05/03/12 06:34:30 pm	4.873	68250	0.26		1.00	1.00
							1.00	
280-28076-R-1-D	UNK	05/03/12 06:36:48 pm	-0.044	27	20.91		1.00	1.00
							1.00	
280-28131-R-1-D	UNK	05/03/12 06:39:06 pm	-0.045	1	972.47		1.00	1.00
							1.00	
280-28131-R-3-D	UNK	05/03/12 06:41:24 pm	-0.050	-66	9.68		1.00	1.00
							1.00	
280-28131-BA-4-D	UNK	05/03/12 06:43:42 pm	-0.047	-27	17.69		1.00	1.00
							1.00	
CCV 1398703	CCV	05/03/12 06:46:02 pm	5.113	71569	0.18		1.00	1.00
% Recovery 102.25							1.00	
CCB	CCB	05/03/12 06:48:19 pm	-0.050	-66	7.32		1.00	1.00
							1.00	
280-28131-BA-4-E MS	UNK	05/03/12 06:50:37 pm	4.949	69304	0.34		1.00	1.00
							1.00	
280-28131-BA-4-F MSD	UNK	05/03/12 06:52:56 pm	4.756	66615	0.31		1.00	1.00
							1.00	
280-28131-R-5-D	UNK	05/03/12 06:55:15 pm	-0.048	-28	14.33		1.00	1.00
							1.00	

Sample Name	Type	Date/Time	Conc (ppb)	µAbs	%RSD	Flags	Wt.	Vol.	ODF
280-28131-R-6-D	UNK	05/03/12 06:57:34 pm	-0.050	-68	15.84		1.00	1.00	1.00
LCSD 280-117332/11-A	UNK	05/03/12 06:59:53 pm	2.990	42124	0.19		1.00	1.00	1.00
MB 280-117998/1-A	UNK	05/03/12 07:02:13 pm	-0.050	-66	12.61		1.00	1.00	1.00
LCS 280-117998/2-A	UNK	05/03/12 07:04:32 pm	4.887	68442	0.22		1.00	1.00	1.00
280-28358-E-5-A	UNK	05/03/12 07:06:50 pm	-0.049	-53	9.94		1.00	1.00	1.00
280-28358-E-7-A	UNK	05/03/12 07:09:08 pm	-0.050	-60	2.43		1.00	1.00	1.00
280-28390-E-1-A	UNK	05/03/12 07:11:26 pm	-0.049	-48	17.28		1.00	1.00	1.00
CCV 1398703 % Recovery 101.95	CCV	05/03/12 07:13:46 pm	5.097	71356	0.27		1.00	1.00	1.00
CCB	CCB	05/03/12 07:16:03 pm	-0.047	-22	21.15		1.00	1.00	1.00
280-28390-E-2-A	UNK	05/03/12 07:18:22 pm	-0.047	-26	22.09		1.00	1.00	1.00
280-28390-E-3-A	UNK	05/03/12 07:20:40 pm	-0.045	5	149.49		1.00	1.00	1.00
280-28390-E-4-A	UNK	05/03/12 07:22:58 pm	-0.046	-6	34.13		1.00	1.00	1.00
280-28390-E-5-A	UNK	05/03/12 07:25:17 pm	-0.041	57	9.19		1.00	1.00	1.00
280-28390-E-6-A	UNK	05/03/12 07:27:36 pm	-0.046	-9	71.91		1.00	1.00	1.00
280-28318-I-1-D	UNK	05/03/12 07:29:55 pm	-0.045	3	411.45		1.00	1.00	1.00
280-28339-I-1-B	UNK	05/03/12 07:32:15 pm	-0.039	86	10.09		1.00	1.00	1.00
280-28293-A-9-C	UNK	05/03/12 07:34:34 pm	-0.050	-65	5.43		1.00	1.00	1.00

Sample Name	Type	Date/Time	Conc (ppb)	µAbs	%RSD	Flags	Wt.	Vol. ODF
280-28293-A-10-C	UNK	05/03/12 07:36:53 pm	-0.047	-24	19.64		1.00	1.00 1.00
280-28293-A-11-D	UNK	05/03/12 07:39:11 pm	-0.047	-23	34.52		1.00	1.00 1.00
CCV 1398703	CCV	05/03/12 07:41:31 pm	5.103	71439	0.23		1.00	1.00 1.00
% Recovery 102.07								
CCB	CCB	05/03/12 07:43:48 pm	-0.048	-35	16.57		1.00	1.00 1.00
280-28293-A-12-D	UNK	05/03/12 07:46:07 pm	-0.046	-13	34.03		1.00	1.00 1.00
280-28293-A-13-C	UNK	05/03/12 07:48:25 pm	-0.046	-9	52.08		1.00	1.00 1.00
280-28293-A-14-C	UNK	05/03/12 07:50:44 pm	-0.048	-31	22.54		1.00	1.00 1.00
280-28293-A-15-C	UNK	05/03/12 07:53:02 pm	-0.049	-48	13.86		1.00	1.00 1.00
280-28293-E-21-C	UNK	05/03/12 07:55:21 pm	-0.049	-52	15.95		1.00	1.00 1.00
280-28365-G-1-A	UNK	05/03/12 07:57:40 pm	-0.047	-19	28.07		1.00	1.00 1.00
280-28365-G-1-B MS	UNK	05/03/12 07:59:59 pm	4.452	62405	0.26		1.00	1.00 1.00
280-28365-G-1-C MSD	UNK	05/03/12 08:02:18 pm	4.468	62628	0.33		1.00	1.00 1.00
MB 280-117995/1-A	UNK	05/03/12 08:04:37 pm	-0.047	-17	22.05		1.00	1.00 1.00
CCV 1398703	CCV	05/03/12 08:06:57 pm	5.130	71811	0.26		1.00	1.00 1.00
% Recovery 102.60								
CCB	CCB	05/03/12 08:09:14 pm	-0.046	-12	82.63		1.00	1.00 1.00
LCS 280-117995/2-A	UNK	05/03/12 08:11:34 pm	5.037	70521	0.20		1.00	1.00 1.00
280-28326-G-1-E	UNK	05/03/12 08:13:53 pm	-0.051	-76	6.62		1.00	1.00 1.00

Sample Name	Type	Date/Time	Conc (ppb)	µAbs	%RSD	Flags	Wt.	Vol.	ODF
280-28326-G-1-F MS	UNK	05/03/12 08:16:12 pm	4.063	57008	0.36		1.00	1.00	1.00
280-28326-G-1-G MSD	UNK	05/03/12 08:18:30 pm	4.548	63730	0.28		1.00	1.00	1.00
280-28326-G-2-C	UNK	05/03/12 08:20:49 pm	-0.050	-58	8.64		1.00	1.00	1.00
280-28326-G-3-C	UNK	05/03/12 08:23:08 pm	-0.044	23	38.72		1.00	1.00	1.00
280-28326-G-4-C	UNK	05/03/12 08:25:27 pm	-0.045	3	263.96		1.00	1.00	1.00
280-28326-G-5-C	UNK	05/03/12 08:27:45 pm	-0.045	8	76.52		1.00	1.00	1.00
280-28326-G-6-C	UNK	05/03/12 08:30:04 pm	-0.046	-12	39.64		1.00	1.00	1.00
280-28326-G-7-C	UNK	05/03/12 08:32:23 pm	-0.047	-16	23.92		1.00	1.00	1.00
CCV 1398703 % Recovery 101.78	CCV	05/03/12 08:34:43 pm	5.089	71240	0.24		1.00	1.00	1.00
CCB	CCB	05/03/12 08:37:00 pm	-0.046	-3	148.25		1.00	1.00	1.00
280-28326-G-8-C	UNK	05/03/12 08:39:19 pm	-0.047	-26	8.16		1.00	1.00	1.00
280-28326-G-9-C	UNK	05/03/12 08:41:39 pm	-0.046	-13	31.97		1.00	1.00	1.00
280-28326-G-10-C	UNK	05/03/12 08:43:59 pm	-0.047	-21	20.39		1.00	1.00	1.00
280-28326-G-11-C	UNK	05/03/12 08:46:18 pm	-0.047	-18	50.16		1.00	1.00	1.00
280-28326-G-12-C	UNK	05/03/12 08:48:37 pm	-0.048	-35	4.96		1.00	1.00	1.00
280-28357-N-1-A	UNK	05/03/12 08:50:56 pm	-0.047	-25	26.09		1.00	1.00	1.00
280-28366-G-1-A	UNK	05/03/12 08:53:15 pm	-0.050	-63	19.86		1.00	1.00	1.00

Sample Name	Type	Date/Time	Conc (ppb)	µAbs	%RSD	Flags	Wt.	Vol.	ODF
280-28366-G-2-A	UNK	05/03/12 08:55:34 pm	-0.049	-44	17.59		1.00	1.00	1.00
LCSD 280-117332/11-A	UNK	05/03/12 08:58:20 pm	5.331	74594	0.24		1.00	1.00	1.00
280-28366-G-3-A	UNK	05/03/12 09:00:39 pm	-0.046	-11	75.22		1.00	1.00	1.00
CCV 1398703	CCV	05/03/12 09:02:59 pm	5.066	70919	0.25		1.00	1.00	1.00
% Recovery 101.32									
CCB	CCB	05/03/12 09:05:16 pm	-0.048	-30	14.86		1.00	1.00	1.00
280-28366-G-4-A	UNK	05/03/12 09:07:35 pm	-0.045	5	58.62		1.00	1.00	1.00
MB 280-118084/1-A	UNK	05/03/12 09:09:54 pm	-0.047	-25	15.40		1.00	1.00	1.00
LCS 280-118084/2-A	UNK	05/03/12 09:12:13 pm	4.876	68279	0.21		1.00	1.00	1.00
280-28377-F-8-D	UNK	05/03/12 09:14:32 pm	-0.035	147	2.11		1.00	1.00	1.00
280-28377-F-8-E MS	UNK	05/03/12 09:16:52 pm	3.616	50809	0.25		1.00	1.00	1.00
280-28377-F-8-F MSD	UNK	05/03/12 09:19:11 pm	3.603	50624	0.43		1.00	1.00	1.00
280-28377-F-9-B	UNK	05/03/12 09:21:31 pm	-0.048	-36	21.80		1.00	1.00	1.00
280-28377-F-10-B	UNK	05/03/12 09:23:50 pm	-0.025	284	3.79		1.00	1.00	1.00
280-28377-F-11-B	UNK	05/03/12 09:26:10 pm	-0.046	-7	51.04		1.00	1.00	1.00
280-28377-F-12-B	UNK	05/03/12 09:28:29 pm	-0.042	52	10.73		1.00	1.00	1.00
CCV 1398703	CCV	05/03/12 09:30:49 pm	5.070	70973	0.26		1.00	1.00	1.00
% Recovery 101.39									
CCB	CCB	05/03/12 09:33:06 pm	-0.046	-11	14.24		1.00	1.00	1.00

Sample Name	Type	Date/Time	Conc (ppb)	µAbs	%RSD	Flags	Wt.	Vol.	ODF
280-28377-F-13-B	UNK	05/03/12 09:35:26 pm	-0.044	17	19.69		1.00	1.00	1.00
280-28410-D-1-A	UNK	05/03/12 09:37:45 pm	-0.044	23	41.07		1.00	1.00	1.00
280-28410-D-2-A	UNK	05/03/12 09:40:05 pm	-0.046	-10	57.35		1.00	1.00	1.00
280-28410-D-3-A	UNK	05/03/12 09:42:24 pm	-0.042	50	4.35		1.00	1.00	1.00
280-28410-D-4-A	UNK	05/03/12 09:44:44 pm	-0.044	17	30.84		1.00	1.00	1.00
280-28410-D-5-A	UNK	05/03/12 09:47:03 pm	-0.044	15	28.28		1.00	1.00	1.00
280-28408-D-7-A	UNK	05/03/12 09:49:23 pm	-0.043	40	11.09		1.00	1.00	1.00
280-28408-D-9-A	UNK	05/03/12 09:51:43 pm	-0.021	340	2.38		1.00	1.00	1.00
280-28408-D-11-A	UNK	05/03/12 09:54:02 pm	-0.014	437	1.41		1.00	1.00	1.00
CCV 1398703	CCV	05/03/12 09:56:22 pm	5.061	70858	0.28		1.00	1.00	1.00
% Recovery 101.23									
CCB	CCB	05/03/12 09:58:39 pm	-0.047	-20	20.96		1.00	1.00	1.00
280-28408-D-13-A	UNK	05/03/12 10:00:59 pm	-0.022	319	1.59		1.00	1.00	1.00
280-28408-D-15-A	UNK	05/03/12 10:03:19 pm	0.011	785	0.68		1.00	1.00	1.00
280-28408-D-17-A	UNK	05/03/12 10:05:39 pm	0.003	671	0.13		1.00	1.00	1.00
LB3 280-117997/1-C	UNK	05/03/12 10:07:58 pm	-0.047	-17	58.37		1.00	1.00	1.00
LCS 280-117997/2-C	UNK	05/03/12 10:10:18 pm	4.354	61043	0.38		1.00	1.00	1.00
280-28368-D-1-E	UNK	05/03/12 10:12:38 pm	-0.037	125	1.47		1.00	1.00	1.00

Sample Name	Type	Date/Time	Conc (ppb)	µAbs	%RSD	Flags	Wt.	Vol.	ODF
280-28368-D-1-F MS	UNK	05/03/12 10:14:58 pm	4.379	61387	0.35		1.00	1.00	1.00
280-28368-D-1-G MSD	UNK	05/03/12 10:17:18 pm	4.354	61037	0.51		1.00	1.00	1.00
28058 a1	UNK	05/03/12 10:19:37 pm	0.131	2444	0.49		1.00	1.00	1.00
28058 a2	UNK	05/03/12 10:21:57 pm	0.248	4075	2.31		1.00	1.00	1.00
CCV 1398703	CCV	05/03/12 10:24:17 pm	5.025	70353	0.25		1.00	1.00	1.00
% Recovery 100.50									
CCB	CCB	05/03/12 10:26:55 pm	-0.045	9	24.02		1.00	1.00	1.00
LCS 280-117997/2-C	UNK	05/03/12 10:29:15 pm	5.125	71736	0.22		1.00	1.00	1.00
CCV 1398703	CCV	05/03/12 10:31:35 pm	5.068	70951	0.23		1.00	1.00	1.00
% Recovery 101.36									
CCB	CCB	05/03/12 10:33:52 pm	-0.047	-16	21.93		1.00	1.00	1.00

Analysis Parameters

Instrument M-7500 Mercury Analyzer

Conditions

Gas flow (mL/min)	Sample Uptake (s)	Rinse (s)	Read delay (s)	Replicates (#)	Replicate time (s)	Pump speed (%)	Wavelength (nm)
100	40.00	90.00	63.00	4	1.50	50	253.65

Instrumental Zero

Zero before first sample: No

Zero periodically: Yes

Before each calibration.

Baseline Correction

#1 Start time (s)	#1 End time (s)	#2 Start time (s)	#2 End time (s)
20.00	24.00		

Standby Mode

Enabled: Yes

Standby Options: pump slow

Autodilution

Enabled: No

Condition:

Tube # range:

If no autodilution tubes remaining

Calibration

Settings

Algorithm	Through blank	Weighted fit	Cal. Type	Racalibration rate	Reslope rate	Reslope standard
Linear	No	No	Normal	0	0	N/A

Limits

Calibration slope		Reslope		Coeff. of Determination
Lower (%)	Upper (%)	Lower (%)	Upper (%)	
20	150	75	125	0.99500

Error action: Flag and continue

QC

GLP Override: Yes

QC Tests

CCB

Concentration (ppb)
0.1000

Failure flag: Q

Error action for manually inserted QC: Stop analysis

ICB

Concentration (ppb)
0.0500

Failure flag: Z

Error action for manually inserted QC: Stop analysis

CCV

Concentration (ppb)	Low Limit %	High Limit %
5.0000	80.0000	120.0000

Failure flag: Q

Error action for manually inserted QC: Stop analysis

ICV

Concentration (ppb)	Low Limit %	High Limit %
4.0000	94.6000	110.4000

Failure flag: Q

Error action for manually inserted QC: Stop analysis

CRDL

Concentration (ppb)	Low Limit %	High Limit %
0.2000	50.0000	150.0000

Failure flag: Y

Error action for manually inserted QC: Stop analysis

Method(s):
245.1 245.1_DW
7470A 7471A 7471B

Applicable QC Batches: 118315

Mercury Analysis Raw Data Checklist

Analyst's Checklist

	yes	no	n/a
1. Were the special instructions for prep and/or analysis followed?	☑	☐	☐
2. Is the correlation coefficient ≥ 0.995?	☑	☐	☐
3. Is the blank less than the reporting limit or properly anomalized?	☑	☐	☐
4. Are the LCSs within limits or properly anomalized?	☑	☐	☐
5. Are the ICV and all CCVs within limits?	☑	☐	☐
6. Are all CCBs within ± one reporting limit from zero?	☑	☐	☐
7. Were the CCVs and CCBs run with at most 10 samples between each set?	☑	☐	☐
8. Are the reporting limits correct and reflect any dilutions?	☑	☐	☐
9. Are the benchsheets complete (including calibration and standard verification #'s)?	☑	☐	☐
10. Are all comments, footnotes, and anomalies properly documented?	☑	☐	☐
11. Are holding time violation forms completed and attached?	☑	☐	☐
12. Have all sample data been entered into LIMS?	☑	☐	☐
13. Have all QC data been entered into LIMS?	☑	☐	☐
14. Have the data entered into LIMS been checked for errors?	☑	☐	☐
15. For TCLP results, is the sample data within 20% of Regulatory Level (0.2 mg/L)?	☑	☐	☐
16. Are all passing CRAs set to acceptable?	☑	☐	☐
17. Is the PDF attached?	☑	☐	☐

Analyst's Name: Brendon Rawlings Date: 5/4/12

Data Review's Checklist

	yes	no	n/a
1. Have the calculations been checked?	☑	☐	☐
2. Is the correlation coefficient ≥ 0.995?	☑	☐	☐
3. Is all the QC data within the control limits and/or properly anomalized?	☑	☐	☐
4. Are all the significant figures and reporting limits correct?	☑	☐	☐
5. Have any comments, footnotes, and anomalies been properly documented?	☑	☐	☐
6. Have any data errors been documented and entered into LIMS? DMZ 5/4/12	☐	☐	☐
7. Is prep date correct in LIMS?	☐	☐	☐
8. If TCLP result within 20% of Reg. Level (0.2 mg/l) and MS < 50%, was MSA performed?	☐	☐	☑

Reviewed by: Yongmin Li Date: 5/4/12

Comments:

Anomalies:

METALS BATCH WORKSHEET

Lab Name: TestAmerica Denver Job No.: 280-28076-1

SDG No.:

Batch Number: 117184 Batch Start Date: 05/01/12 08:15 Batch Analyst: Fredette, Nick

Batch Method: 3005A Batch End Date: 05/01/12 13:15

Lab Sample ID	Client Sample ID	Method Chain	Basis	Initial pH	InitialAmount	FinalAmount	ICP SPK 2A 00042	ICP SPK 3A 00044	
MB 280-117184/1		3005A, 6010B			50 mL	50 mL			
LCS 280-117184/2		3005A, 6010B			50 mL	50 mL	0.5 mL	0.5 mL	
LCSD 280-117184/3		3005A, 6010B			50 mL	50 mL	0.5 mL	0.5 mL	
280-28076-S-1	MW02	3005A, 6010B	D	<2	50 mL	50 mL			
280-28131-BB-4 MS		3005A, 6010B	D	<2	50 mL	50 mL	0.5 mL	0.5 mL	
280-28131-BB-4 MSD		3005A, 6010B	D	<2	50 mL	50 mL	0.5 mL	0.5 mL	

Batch Notes	
Batch Comment	-
First End time	1315
Filter Paper Lot Number	-
Lot # of hydrochloric acid	K50038-4/30
Lot # of Nitric Acid	L02030-4/30
Hood ID or number	07
Hot Block ID number	10
Oven, Bath or Block Temperature 1	93/E-4
Oven, Bath or Block Temperature 2	93
pH Paper Lot Number	-
Pipette ID	MET-007
Person who witnessed spiking	-
First Start time	0815
ID number of the thermometer	MP8
Digestion Tube/Cup Lot #	1111173
Uncorrected Temperature	93 Celsius
Uncorrected Temperature 2	93 Celsius

Basis	Basis Description
D	Dissolved

METALS BATCH WORKSHEET

Lab Name: TestAmerica Denver Job No.: 280-28076-1

SDG No.:

Batch Number: 118701 Batch Start Date: 05/07/12 14:00 Batch Analyst: Mooney, Joseph C

Batch Method: 3010A Batch End Date: 05/07/12 19:00

Lab Sample ID	Client Sample ID	Method Chain	Basis	Initial pH	InitialAmount	FinalAmount	ICP SPK 2A 00043	ICP SPK 3A 00045	
MB 280-118701/1		3010A, 6010B			50 mL	50 mL			
LCS 280-118701/2		3010A, 6010B			50 mL	50 mL	0.5 mL	0.5 mL	
LCSD 280-118701/3		3010A, 6010B			50 mL	50 mL	0.5 mL	0.5 mL	
280-28076-R-1	MW02	3010A, 6010B	T	<2	50 mL	50 mL			
280-28076-R-1 MS	MW02	3010A, 6010B	T	<2	50 mL	50 mL	0.5 mL	0.5 mL	
280-28076-R-1 MSD	MW02	3010A, 6010B	T	<2	50 mL	50 mL	0.5 mL	0.5 mL	

Batch Notes	
Lot # of hydrochloric acid	K50038-5/3
Lot # of Nitric Acid	L02030-5/3
Hot Block ID number	08 D-4
Oven, Bath or Block Temperature 1	95 Degrees C
Oven, Bath or Block Temperature 2	95 Degrees C
Pipette ID	MET-007
ID number of the thermometer	MP6
Digestion Tube/Cup Lot #	1111173
Uncorrected Temperature	95 Degrees C
Uncorrected Temperature 2	95 Degrees C
Vendor of Reagent used	JTBAKER

Basis	Basis Description
T	Total/NA

METALS BATCH WORKSHEET

Lab Name: TestAmerica Denver Job No.: 280-28076-1

SDG No.:

Batch Number: 117181 Batch Start Date: 05/02/12 08:00 Batch Analyst: Fredette, Nick

Batch Method: 3020A Batch End Date: 05/02/12 13:00

Lab Sample ID	Client Sample ID	Method Chain	Basis	Initial pH	InitialAmount	FinalAmount	MS CALSTD-1 00064	MS CALSTD-2 00063	
MB 280-117181/1		3020A, 6020			50 mL	50 mL			
LCS 280-117181/2		3020A, 6020			50 mL	50 mL	0.1 mL	0.1 mL	
LCSD 280-117181/3		3020A, 6020			50 mL	50 mL	0.1 mL	0.1 mL	
280-28131-S-4 MS		3020A, 6020	T	<2	50 mL	50 mL	0.1 mL	0.1 mL	
280-28131-S-4 MSD		3020A, 6020	T	<2	50 mL	50 mL	0.1 mL	0.1 mL	
280-28076-R-1	MW02	3020A, 6020	T	<2	50 mL	50 mL			

Batch Notes	
Lot # of Nitric Acid	L02030-5/1
Hot Block ID number	02
Oven, Bath or Block Temperature 1	95 A2 Degrees C
Oven, Bath or Block Temperature 2	95 Degrees C
Pipette ID	MET-015
ID number of the thermometer	MP2
Digestion Tube/Cup Lot #	1111173

Basis	Basis Description
T	Total/NA

METALS BATCH WORKSHEET

Lab Name: TestAmerica Denver Job No.: 280-28076-1

SDG No.:

Batch Number: 117185 Batch Start Date: 05/01/12 08:15 Batch Analyst: Fredette, Nick

Batch Method: 3005A Batch End Date: 05/01/12 13:15

Lab Sample ID	Client Sample ID	Method Chain	Basis	Initial pH	InitialAmount	FinalAmount	MS CALSTD-1 00064	MS CALSTD-2 00063	
MB 280-117185/1		3005A, 6020			50 mL	50 mL			
LCS 280-117185/2		3005A, 6020			50 mL	50 mL	0.1 mL	0.1 mL	
LCSD 280-117185/3		3005A, 6020			50 mL	50 mL	0.1 mL	0.1 mL	
280-28076-S-1	MW02	3005A, 6020	D	<2	50 mL	50 mL			
280-28131-BB-4 MS		3005A, 6020	D	<2	50 mL	50 mL	0.1 mL	0.1 mL	
280-28131-BB-4 MSD		3005A, 6020	D	<2	50 mL	50 mL	0.1 mL	0.1 mL	

Batch Notes	
Batch Comment	-
First End time	1315
Filter Paper Lot Number	-
Lot # of hydrochloric acid	-
Lot # of Nitric Acid	L02030-4/30
Hood ID or number	08
Hot Block ID number	05
Oven, Bath or Block Temperature 1	90/A-2
Oven, Bath or Block Temperature 2	94
pH Paper Lot Number	-
Pipette ID	MET-015
Person who witnessed spiking	-
First Start time	0815
ID number of the thermometer	MP4
Digestion Tube/Cup Lot #	1111173
Uncorrected Temperature	90 Celsius
Uncorrected Temperature 2	94 Celsius

Basis	Basis Description
D	Dissolved

METALS BATCH WORKSHEET

Lab Name: TestAmerica Denver Job No.: 280-28076-1

SDG No.:

Batch Number: 117332 Batch Start Date: 05/03/12 12:30 Batch Analyst: Rawlings, Brendon L

Batch Method: 7470A Batch End Date: 05/03/12 14:30

Lab Sample ID	Client Sample ID	Method Chain	Basis	Initial pH	InitialAmount	FinalAmount	Hg Daily Spk 00540		
MB 280-117332/1		7470A, 7470A		<2	30 mL	30 mL			
LCS 280-117332/2		7470A, 7470A		<2	30 mL	30 mL	1.5 mL		
280-28076-R-1	MW02	7470A, 7470A	T	<2	30 mL	30 mL			
280-28131-BA-4 MS		7470A, 7470A	T	<2	30 mL	30 mL	1.5 mL		
280-28131-BA-4 MSD		7470A, 7470A	T	<2	30 mL	30 mL	1.5 mL		
LCSD 280-117332/11		7470A, 7470A		<2	30 mL	30 mL	1.5 mL		

Batch Notes	
Hydroxylamine Hydrochloride Lot	2AK0859-4/30/12
Batch Comment	-
Sulfuric Acid Lot Number	K20042-4/20/12
Lot # of hydrochloric acid	K47035-3/28/12
Lot # of Nitric Acid	L02030-4/12/12
Hood ID or number	HOOD4
Hot Block ID number	14
Potassium Persulfate Lot Number	113845-4/18/12
Potassium Permanganate Lot Number	K48069-5/3/12
NaCL Lot #	G47617-2/17/12
Oven, Bath or Block Temperature 1	96 Celsius
Oven, Bath or Block Temperature 2	95 Celsius
Pipette ID	MET53
Repittetor Volume Check	-
Stannous Chloride Lot Number	K40583-4/24/12
SOP Number	DVMT0017
Temperature	96
ID number of the thermometer	HG-3
Digestion Tube/Cup Lot #	1111173
Uncorrected Temperature	96 c1 Celsius
Uncorrected Temperature 2	95 Celsius
Visual ck - digestate F.V. consistency	YES-F.V.CKD

METALS BATCH WORKSHEET

Lab Name: TestAmerica Denver Job No.: 280-28076-1

SDG No.:

Batch Number: 117332 Batch Start Date: 05/03/12 12:30 Batch Analyst: Rawlings, Brendon L

Batch Method: 7470A Batch End Date: 05/03/12 14:30

Basis	Basis Description
T	Total/NA

METALS BATCH WORKSHEET

Lab Name: TestAmerica Denver Job No.: 280-28076-1

SDG No.:

Batch Number: 117333 Batch Start Date: 05/03/12 12:30 Batch Analyst: Rawlings, Brendon L

Batch Method: 7470A Batch End Date: 05/03/12 14:30

Lab Sample ID	Client Sample ID	Method Chain	Basis	Initial pH	InitialAmount	FinalAmount	Hg Daily Spk 00540		
MB 280-117333/1		7470A, 7470A		<2	30 mL	30 mL			
LCS 280-117333/2		7470A, 7470A		<2	30 mL	30 mL	1.5 mL		
LCSD 280-117333/3		7470A, 7470A		<2	30 mL	30 mL	1.5 mL		
280-28076-R-1	MW02	7470A, 7470A	D	<2	30 mL	30 mL			
280-28131-BA-4 MS		7470A, 7470A	D	<2	30 mL	30 mL	1.5 mL		
280-28131-BA-4 MSD		7470A, 7470A	D	<2	30 mL	30 mL	1.5 mL		

Batch Notes	
Hydroxylamine Hydrochloride Lot	2AK0859-4/30/12
Batch Comment	-
Sulfuric Acid Lot Number	K20042-4/20/12
Lot # of hydrochloric acid	K47035-3/28/12
Lot # of Nitric Acid	L02030-4/12/12
Hood ID or number	HOOD4
Hot Block ID number	14
Potassium Persulfate Lot Number	113845-4/18/12
Potassium Permanganate Lot Number	K48069-5/3/12
NaCL Lot #	G47617-2/17/12
Oven, Bath or Block Temperature 1	96 Celsius
Oven, Bath or Block Temperature 2	95 Celsius
Pipette ID	MET53
Repittetor Volume Check	-
Stannous Chloride Lot Number	K40583-4/24/12
SOP Number	DVMT0017
Temperature	96
ID number of the thermometer	HG-3
Digestion Tube/Cup Lot #	1111173
Uncorrected Temperature	96 c1 Celsius
Uncorrected Temperature 2	95 Celsius
Visual ck - digestate F.V. consistency	YES-F.V.CKD

METALS BATCH WORKSHEET

Lab Name: TestAmerica Denver Job No.: 280-28076-1

SDG No.:

Batch Number: 117333 Batch Start Date: 05/03/12 12:30 Batch Analyst: Rawlings, Brendon L

Batch Method: 7470A Batch End Date: 05/03/12 14:30

Basis	Basis Description
D	Dissolved

GENERAL CHEMISTRY

COVER PAGE
GENERAL CHEMISTRY

Lab Name: TestAmerica Denver Job Number: 280-28076-1

SDG No.:

Project: EPA - Pavillion Fracking

Client Sample ID	Lab Sample ID
MW02	280-28076-1

Comments:

COVER PAGE
GENERAL CHEMISTRY

Lab Name: TestAmerica Savannah Job Number: 280-28076-1

SDG No.:

Project: EPA - Pavillion Fracking

Client Sample ID	Lab Sample ID
MW02	280-28076-1

Comments:

1B-IN
INORGANIC ANALYSIS DATA SHEET
GENERAL CHEMISTRY

Client Sample ID: MW02 Lab Sample ID: 280-28076-1

Lab Name: TestAmerica Denver Job No.: 280-28076-1

SDG ID.:

Matrix: Water Date Sampled: 04/22/2012 15:45

Reporting Basis: WET Date Received: 04/24/2012 09:00

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
7664-41-7	Ammonia	0.81	0.10	0.022	mg/L		B	1	350.1
	Nitrate Nitrite as N	ND	0.10	0.019	mg/L			1	353.2
7723-14-0	Total Phosphorus	63	10	1.8	ug/L		B	2	365.1
16887-00-6	Chloride, Dissolved	520	60	5.1	mg/L			20	9056
24959-67-9	Bromide, Dissolved	1.9	0.20	0.11	mg/L			1	9056
14808-79-8	Sulfate, Dissolved	14	5.0	0.23	mg/L			1	9056
16984-48-8	Fluoride, Dissolved	1.6	0.50	0.060	mg/L			1	9056
	Total Inorganic Carbon - Quad	7.6	1.0	0.16	mg/L			1	9060
7440-44-0	Total Organic Carbon - Average	13	1.0	0.16	mg/L			1	9060
	Total Dissolved Solids	1100	20	9.4	mg/L			1	SM 2540C

1B-IN
INORGANIC ANALYSIS DATA SHEET
GENERAL CHEMISTRY - DISSOLVED

Client Sample ID: MW02 Lab Sample ID: 280-28076-1

Lab Name: TestAmerica Denver Job No.: 280-28076-1

SDG ID.:

Matrix: Water Date Sampled: 04/22/2012 15:45

Reporting Basis: WET Date Received: 04/24/2012 09:00

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
7723-14-0	Dissolved Phosphorus	65	10	1.8	ug/L			2	365.1
7440-44-0	Dissolved Inorganic Carbon - Quad	4.6	1.0	0.16	mg/L			1	9060
7440-44-0	Dissolved Organic Carbon - Quad	13	1.0	0.16	mg/L			1	9060

1B-IN
INORGANIC ANALYSIS DATA SHEET
GENERAL CHEMISTRY

Client Sample ID: MW02 Lab Sample ID: 280-28076-1

Lab Name: TestAmerica Savannah Job No.: 280-28076-1

SDG ID.:

Matrix: Water Date Sampled: 04/22/2012 15:45

Reporting Basis: WET Date Received: 04/24/2012 09:00

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
	Methylene Blue Active Substances	0.12	0.20	0.12	mg/l LAS MW 340	J		1	425.1

2-IN
CALIBRATION QUALITY CONTROL
GENERAL CHEMISTRY

Lab Name: TestAmerica Denver Job No.: 280-28076-1

SDG No.:

Analyst: SJS Batch Start Date: 05/09/2012

Reporting Units: mg/L Analytical Batch No.: 119085

Sample Number	QC Type	Time	Analyte	Result	Spike Amount	(%) Recovery	Limits	Qual	Reagent
15	ICVL	12:53	Ammonia	1.80	2.00	90	90-110		NXN ICV INT_00137
16	ICV	12:55	Ammonia	4.92	5.00	98	90-110		NXN ICV INT_00137
17	ICB	12:56	Ammonia	ND					
32	CCV	13:27	Ammonia	5.02	5.00	100	90-110		NXN CAL INT_00141
33	CCVL	13:28	Ammonia	0.940	1.00	94	90-110		NXN CAL INT_00141
34	CCB	13:30	Ammonia	0.0310				J	
43	CCV	13:44	Ammonia	5.04	5.00	101	90-110		NXN CAL INT_00141
44	CCVL	13:45	Ammonia	0.945	1.00	95	90-110		NXN CAL INT_00141
45	CCB	13:47	Ammonia	0.0569				J	

Note! Calculations are performed before rounding to avoid round-off errors in calculated results.

FORM II-IN

2-IN
CALIBRATION QUALITY CONTROL
GENERAL CHEMISTRY

Lab Name: TestAmerica Denver Job No.: 280-28076-1

SDG No.:

Analyst: SJS Batch Start Date: 05/09/2012

Reporting Units: mg/L Analytical Batch No.: 119089

Sample Number	QC Type	Time	Analyte	Result	Spike Amount	(%) Recovery	Limits	Qual	Reagent
15	ICVL	12:53	Nitrate Nitrite as N	2.00	2.00	100	90-110		NXN ICV INT_00137
16	ICV	12:55	Nitrate Nitrite as N	5.07	5.00	101	90-110		NXN ICV INT_00137
17	ICB	12:56	Nitrate Nitrite as N	ND					
32	CCV	13:27	Nitrate Nitrite as N	5.13	5.00	103	90-110		NXN CAL INT_00141
33	CCVL	13:28	Nitrate Nitrite as N	1.01	1.00	101	90-110		NXN CAL INT_00141
34	CCB	13:30	Nitrate Nitrite as N	ND					

Note! Calculations are performed before rounding to avoid round-off errors in calculated results.

FORM II-IN

2-IN
CALIBRATION QUALITY CONTROL
GENERAL CHEMISTRY

Lab Name: TestAmerica Denver Job No.: 280-28076-1

SDG No.:

Analyst: MW Batch Start Date: 05/10/2012

Reporting Units: ug/L Analytical Batch No.: 119330

Sample Number	QC Type	Time	Analyte	Result	Spike Amount	(%) Recovery	Limits	Qual	Reagent
14	ICV	17:08	P	21.6	20.0	108	90-110		LL Phos ICV 1_00046
28	CCV	17:41	P	36.9	40.0	92	90-110		LL Phos wrk 1_00025
29	CCB	17:43	P	ND					
41	CCV	18:12	P	39.0	40.0	98	90-110		LL Phos wrk 1_00025
42	CCB	18:14	P	ND					

Note! Calculations are performed before rounding to avoid round-off errors in calculated results.

FORM II-IN

2-IN
CALIBRATION QUALITY CONTROL
GENERAL CHEMISTRY

Lab Name: TestAmerica Denver Job No.: 280-28076-1

SDG No.:

Analyst: MW Batch Start Date: 05/11/2012

Reporting Units: ug/L Analytical Batch No.: 119513

Sample Number	QC Type	Time	Analyte	Result	Spike Amount	(%) Recovery	Limits	Qual	Reagent
14	ICV	15:16	Dissolved Phosphorus	19.0	20.0	95	90-110		LL Phos ICV 1_00046
15	ICB	15:19	Dissolved Phosphorus	2.30				J	
28	CCV	15:49	Dissolved Phosphorus	38.9	40.0	97	90-110		LL Phos wrk 1_00025
29	CCB	15:52	Dissolved Phosphorus	2.54				J	
33	CCV	16:01	Dissolved Phosphorus	38.8	40.0	97	90-110		LL Phos wrk 1_00025
34	CCB	16:03	Dissolved Phosphorus	2.55				J	

Note! Calculations are performed before rounding to avoid round-off errors in calculated results.

FORM II-IN

2-IN
CALIBRATION QUALITY CONTROL
GENERAL CHEMISTRY

Lab Name: TestAmerica Denver Job No.: 280-28076-1

SDG No.:

Analyst: EK Batch Start Date: 05/01/2012

Reporting Units: mg/L Analytical Batch No.: 117895

Sample Number	QC Type	Time	Analyte	Result	Spike Amount	(%) Recovery	Limits	Qual	Reagent
9	ICV	13:38	Chloride, Dissolved	10.3	10.0	103	90-110		IC ICV daily_00776
			Bromide, Dissolved	1.96	2.00	98	90-110		IC ICV daily_00776
			Sulfate, Dissolved	10.2	10.0	102	90-110		IC ICV daily_00776
			Fluoride, Dissolved	2.16	2.00	108	90-110		IC ICV daily_00776
10	ICB	13:55	Chloride, Dissolved	ND					
			Bromide, Dissolved	ND					
			Sulfate, Dissolved	ND					
			Fluoride, Dissolved	ND					
25	CCV	18:14	Chloride, Dissolved	25.1	25.0	100	90-110		IC daily cal_00776
			Bromide, Dissolved	4.86	5.00	97	90-110		IC daily cal_00776
			Sulfate, Dissolved	24.9	25.0	100	90-110		IC daily cal_00776
			Fluoride, Dissolved	5.05	5.00	101	90-110		IC daily cal_00776
26	CCB	18:32	Chloride, Dissolved	ND					
			Bromide, Dissolved	ND					
			Sulfate, Dissolved	ND					
			Fluoride, Dissolved	ND					
34	CCV	20:50	Chloride, Dissolved	25.4	25.0	102	90-110		IC daily cal_00776
			Bromide, Dissolved	4.91	5.00	98	90-110		IC daily cal_00776
			Sulfate, Dissolved	25.1	25.0	100	90-110		IC daily cal_00776
			Fluoride, Dissolved	5.10	5.00	102	90-110		IC daily cal_00776
35	CCB	21:07	Chloride, Dissolved	ND					
			Bromide, Dissolved	ND					
			Sulfate, Dissolved	ND					
			Fluoride, Dissolved	ND					

Note! Calculations are performed before rounding to avoid round-off errors in calculated results.

FORM II-IN

2-IN
CALIBRATION QUALITY CONTROL
GENERAL CHEMISTRY

Lab Name: TestAmerica Denver Job No.: 280-28076-1

SDG No.:

Analyst: DE Batch Start Date: 05/07/2012

Reporting Units: mg/L Analytical Batch No.: 118783

Sample Number	QC Type	Time	Analyte	Result	Spike Amount	(%) Recovery	Limits	Qual	Reagent
1	ICV	17:14	Total Organic Carbon - Average	19.5	20.0	97	90-110		TOC ICV Std_00012
2	ICB	17:31	Total Organic Carbon - Average	ND					
16	CCV	21:32	Total Organic Carbon - Average	24.6	25.0	98	90-110		TOC LCS Std_00012
17	CCB	21:49	Total Organic Carbon - Average	ND					

Note! Calculations are performed before rounding to avoid round-off errors in calculated results.

FORM II-IN

2-IN
CALIBRATION QUALITY CONTROL
GENERAL CHEMISTRY

Lab Name: TestAmerica Denver Job No.: 280-28076-1

SDG No.:

Analyst: DE Batch Start Date: 05/07/2012

Reporting Units: mg/L Analytical Batch No.: 118784

Sample Number	QC Type	Time	Analyte	Result	Spike Amount	(%) Recovery	Limits	Qual	Reagent
1	ICV	17:14	Dissolved Organic Carbon - Quad	19.5	20.0	97	90-110		TOC ICV Std_00012
2	ICB	17:31	Dissolved Organic Carbon - Quad	ND					
16	CCV	21:32	Dissolved Organic Carbon - Quad	24.6	25.0	98	90-110		TOC LCS Std_00012
17	CCB	21:49	Dissolved Organic Carbon - Quad	ND					
24	CCV	23:43	Dissolved Organic Carbon - Quad	24.7	25.0	99	90-110		TOC LCS Std_00012
25	CCB	00:02	Dissolved Organic Carbon - Quad	ND					

Note! Calculations are performed before rounding to avoid round-off errors in calculated results.

FORM II-IN

2-IN
CALIBRATION QUALITY CONTROL
GENERAL CHEMISTRY

Lab Name: TestAmerica Denver Job No.: 280-28076-1

SDG No.:

Analyst: DE Batch Start Date: 05/11/2012

Reporting Units: mg/L Analytical Batch No.: 119489

Sample Number	QC Type	Time	Analyte	Result	Spike Amount	(%) Recovery	Limits	Qual	Reagent
1	ICV	08:27	Total Inorganic Carbon - Quad	20.0	20.0	100	90-110		TIC CAL Std_00004
2	ICB	08:41	Total Inorganic Carbon - Quad	ND					
14	CCV	11:20	Total Inorganic Carbon - Quad	26.6	25.0	106	90-110		TIC ICV std_00004
15	CCB	11:33	Total Inorganic Carbon - Quad	0.233				J	
24	CCV	13:34	Total Inorganic Carbon - Quad	27.2	25.0	109	90-110		TIC ICV std_00004
25	CCB	13:48	Total Inorganic Carbon - Quad	0.419				J	

Note! Calculations are performed before rounding to avoid round-off errors in calculated results.

FORM II-IN

2-IN
CALIBRATION QUALITY CONTROL
GENERAL CHEMISTRY

Lab Name: TestAmerica Denver Job No.: 280-28076-1

SDG No.:

Analyst: DE Batch Start Date: 05/11/2012

Reporting Units: mg/L Analytical Batch No.: 119515

Sample Number	QC Type	Time	Analyte	Result	Spike Amount	(%) Recovery	Limits	Qual	Reagent
1	ICV	08:35	Dissolved Inorganic Carbon - Quad	20.0	20.0	100	90-110		TIC ICV std_00004
2	ICB	08:35	Dissolved Inorganic Carbon - Quad	ND					
14	CCV	08:35	Dissolved Inorganic Carbon - Quad	26.6	25.0	106	90-110		TIC CAL Std_00004
15	CCB	08:35	Dissolved Inorganic Carbon - Quad	0.233				J	

Note! Calculations are performed before rounding to avoid round-off errors in calculated results.

FORM II-IN

3-IN
METHOD BLANK
GENERAL CHEMISTRY

Lab Name: TestAmerica Denver Job No.: 280-28076-1

SDG No.:

Method	Lab Sample ID	Analyte	Result	Qual	Units	RL	Dil
Batch ID: 119085	Date: 05/09/2012 13:34						
350.1	MB 280-119085/37	Ammonia	0.0430	J	mg/L	0.10	1
Batch ID: 119089	Date: 05/09/2012 13:09						
353.2	MB 280-119089/20	Nitrate Nitrite as N	ND		mg/L	0.10	1
Batch ID: 119330	Date: 05/10/2012 17:18	Prep Batch: 119077	Date: 05/08/2012 19:00				
365.1	MB 280-119077/5-A	Dissolved Phosphorus	ND		ug/L	5.0	1
Batch ID: 119513	Date: 05/11/2012 15:26	Prep Batch: 119081	Date: 05/08/2012 19:00				
365.1	MB 280-119081/3-A	Total Phosphorus	2.33	J	ug/L	5.0	1
Batch ID: 117895	Date: 05/01/2012 15:04						
9056	MB 280-117895/14	Chloride, Dissolved	ND		mg/L	3.0	1
9056	MB 280-117895/14	Bromide, Dissolved	ND		mg/L	0.20	1
9056	MB 280-117895/14	Sulfate, Dissolved	ND		mg/L	5.0	1
9056	MB 280-117895/14	Fluoride, Dissolved	ND		mg/L	0.50	1
Batch ID: 118783	Date: 05/07/2012 18:31						
9060	MB 280-118783/5	Total Organic Carbon - Average	ND		mg/L	1.0	1
Batch ID: 118784	Date: 05/07/2012 18:31						
9060	MB 280-118784/5	Dissolved Organic Carbon - Quad	ND		mg/L	1.0	1
Batch ID: 119515	Date: 05/11/2012 08:35						
9060	MB 280-119515/5	Dissolved Inorganic Carbon - Quad	ND		mg/L	1.0	1
Batch ID: 119489	Date: 05/11/2012 09:27						
9060	MB 280-119489/5	Total Inorganic Carbon - Quad	ND		mg/L	1.0	1
Batch ID: 117267	Date: 04/27/2012 08:51						
SM 2540C	MB 280-117267/1	Total Dissolved Solids	ND		mg/L	10	1

3-IN
METHOD BLANK
GENERAL CHEMISTRY

Lab Name: TestAmerica Savannah Job No.: 280-28076-1

SDG No.:

Method	Lab Sample ID	Analyte	Result	Qual	Units	RL	Dil
Batch ID: 235205 Date: 04/24/2012 13:04							
425.1	MB 680-235205/3	Methylene Blue Active Substances	ND		mg/l LAS MW 340	0.20	1

FORM III-IN

5-IN
MATRIX SPIKE SAMPLE RECOVERY
GENERAL CHEMISTRY

Lab Name: TestAmerica Denver Job No.: 280-28076-1

SDG No.:

Matrix: Water

Method	Lab Sample ID	Analyte	Result	C	Unit	Spike Amount	Pct. Rec.	Limits	RPD	RPD Limit	Q
Batch ID: 119085	Date: 05/09/2012 13:19										
350.1	280-28131-AF-4	Ammonia	0.79		mg/L						B
350.1	280-28131-AF-4 MS	Ammonia	2.77		mg/L	4.00	49	90-110			F
Batch ID: 119089	Date: 05/09/2012 13:19										
353.2	280-28131-AF-4	Nitrate Nitrite as N	ND		mg/L						
353.2	280-28131-AF-4 MS	Nitrate Nitrite as N	4.16		mg/L	4.00	104	90-110			
Batch ID: 119330	Date: 05/10/2012 17:58	Prep Batch: 119077	Date: 05/08/2012 19:00								
365.1	280-28131-AP-4-B	Dissolved Phosphorus	57		ug/L						
365.1	280-28131-AP-4-B MS	Dissolved Phosphorus	59.4		ug/L	40.0	6	90-110			F
Batch ID: 119513	Date: 05/11/2012 15:35	Prep Batch: 119081	Date: 05/08/2012 19:00								
365.1	280-28131-AO-4-B	Total Phosphorus	100		ug/L						B
365.1	280-28131-AO-4-B MS	Total Phosphorus	106		ug/L	40.0	10	90-110			F
Batch ID: 117895	Date: 05/01/2012 17:05										
9056	280-28131-U-4	Chloride, Dissolved	26		mg/L						
9056	280-28131-U-4 MS	Chloride, Dissolved	52.4		mg/L	25.0	105	80-120			E
9056	280-28131-U-4	Bromide, Dissolved	0.17	J	mg/L						
9056	280-28131-U-4 MS	Bromide, Dissolved	5.17		mg/L	5.00	100	80-120			
9056	280-28131-U-4	Fluoride, Dissolved	3.1		mg/L						
9056	280-28131-U-4 MS	Fluoride, Dissolved	7.65		mg/L	5.00	92	80-120			
Batch ID: 117895	Date: 05/01/2012 20:16										
9056	280-28131-U-4	Sulfate, Dissolved	380		mg/L						
9056	280-28131-U-4 MS	Sulfate, Dissolved	638		mg/L	250	104	80-120			E
Batch ID: 118783	Date: 05/07/2012 19:54										
9060	280-28131-AM-4	Total Organic Carbon - Average	4.0		mg/L						
9060	280-28131-AM-4 MS	Total Organic Carbon - Average	28.5		mg/L	25.0	98	88-112			
Batch ID: 118784	Date: 05/07/2012 22:36										
9060	280-28131-AI-4	Dissolved Organic Carbon - Quad	4.3		mg/L						
9060	280-28131-AI-4 MS	Dissolved Organic Carbon - Quad	29.4		mg/L	25.0	101	88-112			
Batch ID: 119515	Date: 05/11/2012 08:35										
9060	280-28131-W-4	Dissolved Inorganic Carbon - Quad	20		mg/L						
9060	280-28131-W-4 MS	Dissolved Inorganic Carbon - Quad	45.8		mg/L	25.0	103	88-112			E
Batch ID: 119489	Date: 05/11/2012 12:41										
9060	280-28131-X-4	Total Inorganic Carbon - Quad	22		mg/L						

Calculations are performed before rounding to avoid round-off errors in calculated results.

FORM V-IN

5-IN
MATRIX SPIKE SAMPLE RECOVERY
GENERAL CHEMISTRY

Lab Name: TestAmerica Denver Job No.: 280-28076-1

SDG No.:

Matrix: Water

Method	Lab Sample ID	Analyte	Result	C	Unit	Spike Amount	Pct. Rec.	Limits	RPD	RPD Limit	Q
9060	280-28131-X-4 MS	Total Inorganic Carbon - Quad	46.0		mg/L	25.0	95	88-112			E

Calculations are performed before rounding to avoid round-off errors in calculated results.

FORM V-IN

5-IN
MATRIX SPIKE DUPLICATE SAMPLE RECOVERY
GENERAL CHEMISTRY

Lab Name: TestAmerica Denver Job No.: 280-28076-1

SDG No.:

Matrix: Water

Method	Lab Sample ID	Analyte	Result	C	Unit	Spike Amount	Pct. Rec.	Limits	RPD	RPD Limit	Q
Batch ID: 119085	Date: 05/09/2012 13:21										
350.1	280-28131-AF-4 MSD	Ammonia	2.72		mg/L	4.00	48	90-110	2	20	F
Batch ID: 119089	Date: 05/09/2012 13:21										
353.2	280-28131-AF-4 MSD	Nitrate Nitrite as N	4.28		mg/L	4.00	107	90-110	3	17	
Batch ID: 119330	Date: 05/10/2012 18:05	Prep Batch: 119077			Date: 05/08/2012 19:00						
365.1	280-28131-AP-4-C MSD	Dissolved Phosphorus	56.8		ug/L	40.0	-0.9	90-110	5	20	F
Batch ID: 119513	Date: 05/11/2012 15:38	Prep Batch: 119081			Date: 05/08/2012 19:00						
365.1	280-28131-AO-4-C MSD	Total Phosphorus	107		ug/L	40.0	13	90-110	1	20	F
Batch ID: 117895	Date: 05/01/2012 17:22										
9056	280-28131-U-4 MSD	Chloride, Dissolved	52.9		mg/L	25.0	107	80-120	1	20	E
9056	280-28131-U-4 MSD	Bromide, Dissolved	5.27		mg/L	5.00	102	80-120	2	20	
9056	280-28131-U-4 MSD	Fluoride, Dissolved	7.75		mg/L	5.00	94	80-120	1	20	
Batch ID: 117895	Date: 05/01/2012 20:33										
9056	280-28131-U-4 MSD	Sulfate, Dissolved	638		mg/L	250	104	80-120	0	20	E
Batch ID: 118783	Date: 05/07/2012 20:12										
9060	280-28131-AM-4 MSD	Total Organic Carbon - Average	28.4		mg/L	25.0	98	88-112	0	15	
Batch ID: 118784	Date: 05/07/2012 22:55										
9060	280-28131-AI-4 MSD	Dissolved Organic Carbon - Quad	29.5		mg/L	25.0	101	88-112	0	15	
Batch ID: 119515	Date: 05/11/2012 08:35										
9060	280-28131-W-4 MSD	Dissolved Inorganic Carbon - Quad	45.8		mg/L	25.0	103	88-112	0	15	E
Batch ID: 119489	Date: 05/11/2012 12:58										
9060	280-28131-X-4 MSD	Total Inorganic Carbon - Quad	48.1		mg/L	25.0	103	88-112	4	15	E

Calculations are performed before rounding to avoid round-off errors in calculated results.

FORM V-IN

5-IN
MATRIX SPIKE SAMPLE RECOVERY
GENERAL CHEMISTRY

Lab Name: TestAmerica Savannah Job No.: 280-28076-1

SDG No.:

Matrix: Water

Method	Lab Sample ID	Analyte	Result	C	Unit	Spike Amount	Pct. Rec.	Limits	RPD	RPD Limit	Q
Batch ID: 235205 Date: 04/24/2012 13:04											
425.1	680-78834-A-2	Methylene Blue Active Substances	0.13	J	mg/l LAS MW 340						
425.1	680-78834-A-2 MS	Methylene Blue Active Substances	0.573		mg/l LAS MW 340	0.500	89	70-130			

Calculations are performed before rounding to avoid round-off errors in calculated results.

FORM V-IN

5-IN
MATRIX SPIKE DUPLICATE SAMPLE RECOVERY
GENERAL CHEMISTRY

Lab Name: TestAmerica Savannah Job No.: 280-28076-1

SDG No.:

Matrix: Water

Method	Lab Sample ID	Analyte	Result	C	Unit	Spike Amount	Pct. Rec.	Limits	RPD	RPD Limit	Q
Batch ID: 235205 Date: 04/24/2012 13:04											
425.1	680-78834-A-2 MSD	Methylene Blue Active Substances	0.547		mg/l LAS MW 340	0.500	84	70-130	5	15	

Calculations are performed before rounding to avoid round-off errors in calculated results.

FORM V-IN

6-IN
DUPLICATE
GENERAL CHEMISTRY

Lab Name: TestAmerica Denver Job No.: 280-28076-1

SDG No.:

Matrix: Water

Method	Client Sample ID	Lab Sample ID	Analyte	Result	Unit	RPD	RPD Limit	Qual
Batch ID: 117895	Date: 05/01/2012 16:48							
9056		280-28131-U-4	Chloride, Dissolved	26	mg/L			
9056		280-28131-U-4 DU	Chloride, Dissolved	26.1	mg/L	0.1	15	
9056		280-28131-U-4	Bromide, Dissolved	0.17	mg/L			J
9056		280-28131-U-4 DU	Bromide, Dissolved	0.166	mg/L	0.6	15	J
9056		280-28131-U-4	Fluoride, Dissolved	3.1	mg/L			
9056		280-28131-U-4 DU	Fluoride, Dissolved	3.03	mg/L	1	15	
Batch ID: 117895	Date: 05/01/2012 19:58							
9056		280-28131-U-4	Sulfate, Dissolved	380	mg/L			
9056		280-28131-U-4 DU	Sulfate, Dissolved	378	mg/L	0.05	15	
Batch ID: 117267	Date: 04/27/2012 08:51							
SM 2540C		280-27933-A-7	Total Dissolved Solids	210	mg/L			
SM 2540C		280-27933-A-7 DU	Total Dissolved Solids	206	mg/L	1	10	

Calculations are performed before rounding to avoid round-off errors in calculated results.

FORM VI-IN

7A-IN
LAB CONTROL SAMPLE
GENERAL CHEMISTRY

Lab Name: TestAmerica Denver Job No.: 280-28076-1

SDG No.:

Matrix: Water

Method	Lab Sample ID	Analyte	Result	C	Unit	Spike Amount	Pct. Rec.	Limits	RPD	RPD Limit	Q
Batch ID: 119085	Date: 05/09/2012 13:10										
						LCS Source: NXN CAL INT_00141					
350.1	LCS 280-119085/21	Ammonia	5.14		mg/L	5.00	103	90-110	2	10	
Batch ID: 119089	Date: 05/09/2012 13:10										
						LCS Source: NXN CAL INT_00141					
353.2	LCS 280-119089/21	Nitrate Nitrite as N	5.08		mg/L	5.00	102	90-110	0	10	
Batch ID: 119330	Date: 05/10/2012 17:13	Prep Batch: 119077	Date: 05/08/2012 19:00								
						LCS Source: LL Phos wrk 1_00025					
365.1	LCS 280-119077/3-A	Dissolved Phosphorus	40.5		ug/L	40.0	101	90-110	1	10	
Batch ID: 119513	Date: 05/11/2012 15:21	Prep Batch: 119081	Date: 05/08/2012 19:00								
						LCS Source: LL Phos wrk 1_00025					
365.1	LCS 280-119081/1-A	Total Phosphorus	38.8		ug/L	40.0	97	90-110	1	10	
Batch ID: 117895	Date: 05/01/2012 14:29										
						LCS Source: IC daily cal_00776					
9056	LCS 280-117895/12	Chloride, Dissolved	24.9		mg/L	25.0	100	90-110	0	10	
9056	LCS 280-117895/12	Bromide, Dissolved	4.83		mg/L	5.00	97	90-110	0	10	
9056	LCS 280-117895/12	Sulfate, Dissolved	24.9		mg/L	25.0	100	90-110	1	10	
9056	LCS 280-117895/12	Fluoride, Dissolved	5.05		mg/L	5.00	101	90-110	0	10	
Batch ID: 118783	Date: 05/07/2012 17:51										
						LCS Source: TOC LCS Std_00012					
9060	LCS 280-118783/3	Total Organic Carbon - Average	24.4		mg/L	25.0	97	88-112	0	15	
Batch ID: 118784	Date: 05/07/2012 17:51										
						LCS Source: TOC LCS Std_00012					
9060	LCS 280-118784/3	Dissolved Organic Carbon - Quad	24.4		mg/L	25.0	97	88-112	0	15	
Batch ID: 119515	Date: 05/11/2012 08:35										
						LCS Source: TIC CAL Std_00004					
9060	LCS 280-119515/3	Dissolved Inorganic Carbon - Quad	25.4		mg/L	25.0	101	88-112	0	15	
Batch ID: 119489	Date: 05/11/2012 08:59										
						LCS Source: TIC ICV std_00004					
9060	LCS 280-119489/3	Total Inorganic Carbon - Quad	25.4		mg/L	25.0	101	88-112	0	15	
Batch ID: 117267	Date: 04/27/2012 08:51										
						LCS Source: TDS LCS_00259					
SM 2540C	LCS 280-117267/2	Total Dissolved Solids	495		mg/L	501	99	86-110	0	20	

Calculations are performed before rounding to avoid round-off errors in calculated results.

FORM VIIA-IN

7A-IN
LAB CONTROL SAMPLE DUPLICATE
GENERAL CHEMISTRY

Lab Name: TestAmerica Denver Job No.: 280-28076-1

SDG No.:

Matrix: Water

Method	Lab Sample ID	Analyte	Result	C	Unit	Spike Amount	Pct. Rec.	Limits	RPD	RPD Limit	Q
Batch ID: 119085	Date: 05/09/2012 13:12										
						LCSD Source: NXN CAL INT_00141					
350.1	LCSD 280-119085/22	Ammonia	5.02		mg/L	5.00	100	90-110	2	10	
Batch ID: 119089	Date: 05/09/2012 13:12										
						LCSD Source: NXN CAL INT_00141					
353.2	LCSD 280-119089/22	Nitrate Nitrite as N	5.06		mg/L	5.00	101	90-110	0	10	
Batch ID: 119330	Date: 05/10/2012 17:15	Prep Batch: 119077	Date: 05/08/2012 19:00								
						LCSD Source: LL Phos wrk 1_00025					
365.1	LCSD 280-119077/4-A	Dissolved Phosphorus	40.7		ug/L	40.0	102	90-110	1	10	
Batch ID: 119513	Date: 05/11/2012 15:24	Prep Batch: 119081	Date: 05/08/2012 19:00								
						LCSD Source: LL Phos wrk 1_00025					
365.1	LCSD 280-119081/2-A	Total Phosphorus	39.0		ug/L	40.0	98	90-110	1	10	
Batch ID: 117895	Date: 05/01/2012 14:47										
						LCSD Source: IC daily cal_00776					
9056	LCSD 280-117895/13	Chloride, Dissolved	24.8		mg/L	25.0	99	90-110	0	10	
9056	LCSD 280-117895/13	Bromide, Dissolved	4.81		mg/L	5.00	96	90-110	0	10	
9056	LCSD 280-117895/13	Sulfate, Dissolved	24.8		mg/L	25.0	99	90-110	1	10	
9056	LCSD 280-117895/13	Fluoride, Dissolved	5.07		mg/L	5.00	101	90-110	0	10	
Batch ID: 118783	Date: 05/07/2012 18:12										
						LCSD Source: TOC LCS Std_00012					
9060	LCSD 280-118783/4	Total Organic Carbon - Average	24.3		mg/L	25.0	97	88-112	0	15	
Batch ID: 118784	Date: 05/07/2012 18:12										
						LCSD Source: TOC LCS Std_00012					
9060	LCSD 280-118784/4	Dissolved Organic Carbon - Quad	24.3		mg/L	25.0	97	88-112	0	15	
Batch ID: 119515	Date: 05/11/2012 08:35										
						LCSD Source: TIC CAL Std_00004					
9060	LCSD 280-119515/4	Dissolved Inorganic Carbon - Quad	25.4		mg/L	25.0	102	88-112	0	15	
Batch ID: 119489	Date: 05/11/2012 09:13										
						LCSD Source: TIC ICV std_00004					
9060	LCSD 280-119489/4	Total Inorganic Carbon - Quad	25.4		mg/L	25.0	102	88-112	0	15	
Batch ID: 117267	Date: 04/27/2012 08:51										
						LCSD Source: TDS LCS_00259					
SM 2540C	LCSD 280-117267/3	Total Dissolved Solids	495		mg/L	501	99	86-110	0	20	

Calculations are performed before rounding to avoid round-off errors in calculated results.

FORM VIIA-IN

7A-IN
METHOD REPORTING LIMIT CHECK
GENERAL CHEMISTRY

Lab Name: TestAmerica Denver Job No.: 280-28076-1

SDG No.:

Matrix: Water

Method	Lab Sample ID	Analyte	Result	C	Unit	Spike Amount	Pct. Rec.	Limits	RPD	RPD Limit	Q
Batch ID: 119089	Date: 05/09/2012 12:58										
						LCS Source: NXN CAL INT_00141					
353.2	MRL 280-119089/18	Nitrate Nitrite as N	0.0951	J	mg/L	0.100	95	50-150			
Batch ID: 117895	Date: 05/01/2012 14:12										
						LCS Source: IC CAL INT1_00151					
9056	MRL 280-117895/11	Chloride, Dissolved	1.07	J	mg/L	1.00	107	50-150			
9056	MRL 280-117895/11	Bromide, Dissolved	0.217		mg/L	0.200	109	50-150			
9056	MRL 280-117895/11	Sulfate, Dissolved	1.12	J	mg/L	1.00	112	50-150			
9056	MRL 280-117895/11	Fluoride, Dissolved	0.212	J	mg/L	0.200	106	50-150			

Calculations are performed before rounding to avoid round-off errors in calculated results.

FORM VIIA-IN

7A-IN
LAB CONTROL SAMPLE
GENERAL CHEMISTRY

Lab Name: TestAmerica Savannah Job No.: 280-28076-1

SDG No.:

Matrix: Water

Method	Lab Sample ID	Analyte	Result	C	Unit	Spike Amount	Pct. Rec.	Limits	RPD	RPD Limit	Q
Batch ID: 235205	Date: 04/24/2012 13:04										
						LCS Source: MBAS SPIKE_00534					
425.1	LCS 680-235205/4	Methylene Blue Active Substances	0.476		mg/l LAS MW 340	0.500	95	70-130			

Calculations are performed before rounding to avoid round-off errors in calculated results.

FORM VIIA-IN

9-IN
DETECTION LIMITS
GENERAL CHEMISTRY

Lab Name: TestAmerica Denver Job Number: 280-28076-1

SDG Number:

Matrix: Water Instrument ID: WC_Alp 2

Method: 350.1 MDL Date: 03/28/2011 13:26

Analyte	Wavelength/ Mass	RL (mg/L)	MDL (mg/L)
Ammonia		0.1	0.022

9-IN
CALIBRATION BLANK DETECTION LIMITS
GENERAL CHEMISTRY

Lab Name: TestAmerica Denver Job Number: 280-28076-1

SDG Number:

Matrix: Water Instrument ID: WC_Alp 2

Method: 350.1 XMDL Date: 03/28/2011 13:26

Analyte	Wavelength/ Mass	XRL (mg/L)	XMDL (mg/L)
Ammonia		0.1	0.0225

9-IN
DETECTION LIMITS
GENERAL CHEMISTRY

Lab Name: TestAmerica Denver Job Number: 280-28076-1

SDG Number:

Matrix: Water Instrument ID: WC_Alp 2

Method: 353.2 MDL Date: 12/16/2011 09:50

Analyte	Wavelength/ Mass	RL (mg/L)	MDL (mg/L)
Nitrate Nitrite as N		0.1	0.019

9-IN
CALIBRATION BLANK DETECTION LIMITS
GENERAL CHEMISTRY

Lab Name: TestAmerica Denver Job Number: 280-28076-1

SDG Number:

Matrix: Water Instrument ID: WC_Alp 2

Method: 353.2 XMDL Date: 05/16/2011 11:21

Analyte	Wavelength/ Mass	XRL (mg/L)	XMDL (mg/L)
Nitrate Nitrite as N		0.1	0.0191

9-IN
DETECTION LIMITS
GENERAL CHEMISTRY

Lab Name: TestAmerica Denver Job Number: 280-28076-1

SDG Number:

Matrix: Water Instrument ID: WC_Astoria

Method: 365.1 MDL Date: 03/28/2011 13:16

Prep Method: 365.2/365.3/365

Analyte	Wavelength/ Mass	RL (ug/L)	MDL (ug/L)
Total Phosphorus		5	0.92

9-IN
CALIBRATION BLANK DETECTION LIMITS
GENERAL CHEMISTRY

Lab Name: TestAmerica Denver Job Number: 280-28076-1

SDG Number:

Matrix: Water Instrument ID: WC_Astoria

Method: 365.1 XMDL Date: 03/28/2011 13:17

Analyte	Wavelength/ Mass	XRL (ug/L)	XMDL (ug/L)
Total Phosphorus		5	0.92

9-IN
DETECTION LIMITS
GENERAL CHEMISTRY - DISSOLVED

Lab Name: TestAmerica Denver Job Number: 280-28076-1

SDG Number:

Matrix: Water Instrument ID: WC_Astoria

Method: 365.1 MDL Date: 03/28/2011 13:16

Prep Method: 365.2/365.3/365

Analyte	Wavelength/ Mass	RL (ug/L)	MDL (ug/L)
Dissolved Phosphorus		5	0.92

9-IN
CALIBRATION BLANK DETECTION LIMITS
GENERAL CHEMISTRY - DISSOLVED

Lab Name: TestAmerica Denver Job Number: 280-28076-1

SDG Number:

Matrix: Water Instrument ID: WC_Astoria

Method: 365.1 XMDL Date: 03/28/2011 13:17

Analyte	Wavelength/ Mass	XRL (ug/L)	XMDL (ug/L)
Dissolved Phosphorus		5	0.92

9-IN
DETECTION LIMITS
GENERAL CHEMISTRY

Lab Name: TestAmerica Denver Job Number: 280-28076-1

SDG Number:

Matrix: Water Instrument ID: WC_IC6

Method: 9056 MDL Date: 03/23/2010 16:22

Analyte	Wavelength/ Mass	RL (mg/L)	MDL (mg/L)
Bromide, Dissolved		0.2	0.113
Chloride, Dissolved		3	0.254
Fluoride, Dissolved		0.5	0.06
Sulfate, Dissolved		5	0.232

9-IN
CALIBRATION BLANK DETECTION LIMITS
GENERAL CHEMISTRY

Lab Name: TestAmerica Denver Job Number: 280-28076-1

SDG Number:

Matrix: Water Instrument ID: WC_IC6

Method: 9056 XMDL Date: 11/01/2009 00:00

Analyte	Wavelength/ Mass	XRL (mg/L)	XMDL (mg/L)
Bromide, Dissolved		0.2	0.113
Chloride, Dissolved		3	0.254
Fluoride, Dissolved		0.5	0.0597
Sulfate, Dissolved		5	0.232

9-IN
DETECTION LIMITS
GENERAL CHEMISTRY

Lab Name: TestAmerica Denver Job Number: 280-28076-1

SDG Number:

Matrix: Water Instrument ID: WC_SHI2

Method: 9060 MDL Date: 03/28/2011 11:39

Analyte	Wavelength/ Mass	RL (mg/L)	MDL (mg/L)
Total Inorganic Carbon - Quad		1	0.155
Total Organic Carbon - Average		1	0.155

9-IN
CALIBRATION BLANK DETECTION LIMITS
GENERAL CHEMISTRY

Lab Name: TestAmerica Denver Job Number: 280-28076-1

SDG Number:

Matrix: Water Instrument ID: WC_SHI2

Method: 9060 XMDL Date: 03/28/2011 11:39

Analyte	Wavelength/ Mass	XRL (mg/L)	XMDL (mg/L)
Total Inorganic Carbon - Quad		1	0.155
Total Organic Carbon - Average		1	0.155

9-IN
DETECTION LIMITS
GENERAL CHEMISTRY - DISSOLVED

Lab Name: TestAmerica Denver Job Number: 280-28076-1

SDG Number:

Matrix: Water Instrument ID: WC_SHI2

Method: 9060 MDL Date: 03/28/2011 11:39

Analyte	Wavelength/ Mass	RL (mg/L)	MDL (mg/L)
Dissolved Inorganic Carbon - Quad		1	0.155
Dissolved Organic Carbon - Quad		1	0.155

9-IN
CALIBRATION BLANK DETECTION LIMITS
GENERAL CHEMISTRY - DISSOLVED

Lab Name: TestAmerica Denver Job Number: 280-28076-1

SDG Number:

Matrix: Water Instrument ID: WC_SHI2

Method: 9060 XMDL Date: 03/28/2011 11:39

Analyte	Wavelength/ Mass	XRL (mg/L)	XMDL (mg/L)
Dissolved Inorganic Carbon - Quad		1	0.155
Dissolved Organic Carbon - Quad		1	0.155

9-IN
DETECTION LIMITS
GENERAL CHEMISTRY

Lab Name: TestAmerica Denver Job Number: 280-28076-1

SDG Number:

Matrix: Water Instrument ID: NOEQUIP

Method: SM 2540C MDL Date: 10/07/2011 10:03

Analyte	Wavelength/ Mass	RL (mg/L)	MDL (mg/L)
Total Dissolved Solids		10	4.7

9-IN
CALIBRATION BLANK DETECTION LIMITS
GENERAL CHEMISTRY

Lab Name: TestAmerica Denver Job Number: 280-28076-1

SDG Number:

Matrix: Water Instrument ID: NOEQUIP

Method: SM 2540C XMDL Date: 10/11/2010 11:58

Analyte	Wavelength/ Mass	XRL (mg/L)	XMDL (mg/L)
Total Dissolved Solids		10	4.7

9-IN
DETECTION LIMITS
GENERAL CHEMISTRY

Lab Name: TestAmerica Savannah Job Number: 280-28076-1

SDG Number:

Matrix: Water Instrument ID: NOEQUIP

Method: 425.1 MDL Date: 04/28/2010 09:47

Analyte	Wavelength/ Mass	RL (mg/l LAS	MDL (mg/l LAS MW
Methylene Blue Active Substances		0.2	0.12

9-IN
CALIBRATION BLANK DETECTION LIMITS
GENERAL CHEMISTRY

Lab Name: TestAmerica Savannah Job Number: 280-28076-1

SDG Number:

Matrix: Water Instrument ID: NOEQUIP

Method: 425.1 XMDL Date: 06/02/2009 00:00

Analyte	Wavelength/ Mass	XRL (mg/l LAS	XMDL (mg/l LAS MW
Methylene Blue Active Substances		0.2	0.1

12-IN
PREPARATION LOG
GENERAL CHEMISTRY

Lab Name: TestAmerica Denver Job No.: 280-28076-1

SDG No.:

Prep Method: 365.2/365.3/365

Lab Sample ID	Preparation Date	Prep Batch	Initial Weight	Initial Volume (mL)	Final Volume (mL)
LCS 280-119077/3-A	05/08/2012 19:00	119077		50	50
LCSD 280-119077/4-A	05/08/2012 19:00	119077		50	50
MB 280-119077/5-A	05/08/2012 19:00	119077		50	50
280-28131-AP-4-B MS	05/08/2012 19:00	119077		50	50
280-28131-AP-4-C MSD	05/08/2012 19:00	119077		50	50
280-28076-1	05/08/2012 19:00	119077		50	50

12-IN
PREPARATION LOG
GENERAL CHEMISTRY

Lab Name: TestAmerica Denver Job No.: 280-28076-1

SDG No.:

Prep Method: 365.2/365.3/365

Lab Sample ID	Preparation Date	Prep Batch	Initial Weight	Initial Volume (mL)	Final Volume (mL)
LCS 280-119081/1-A	05/08/2012 19:00	119081		50	50
LCSD 280-119081/2-A	05/08/2012 19:00	119081		50	50
MB 280-119081/3-A	05/08/2012 19:00	119081		50	50
280-28131-AO-4-B MS	05/08/2012 19:00	119081		50	50
280-28131-AO-4-C MSD	05/08/2012 19:00	119081		50	50
280-28076-1	05/08/2012 19:00	119081		50	50

13-IN
ANALYSIS RUN LOG
GENERAL CHEMISTRY

Lab Name: TestAmerica Denver Job No.: 280-28076-1

SDG No.:

Instrument ID: WC_Alp 2 Method: 350.1

Start Date: 05/09/2012 12:32 End Date: 05/09/2012 17:11

Lab Sample ID	D/F	Type	Time	Analytes																			
				NH3																			
ZZZZZZ			12:32																				
ZZZZZZ			12:34																				
ZZZZZZ			12:35																				
ZZZZZZ			12:37																				
IC 280-119085/5			12:38	X																			
IC 280-119085/6			12:40	X																			
IC 280-119085/7			12:41	X																			
IC 280-119085/8			12:43	X																			
IC 280-119085/9			12:44	X																			
IC 280-119085/10			12:46	X																			
IC 280-119085/11			12:47	X																			
ZZZZZZ			12:49																				
ZZZZZZ			12:50																				
ZZZZZZ			12:52																				
ICVL 280-119085/15	1		12:53	X																			
ICV 280-119085/16	1		12:55	X																			
ICB 280-119085/17	1		12:56	X																			
ZZZZZZ			12:58																				
ZZZZZZ			12:59																				
ZZZZZZ			13:09																				
LCS 280-119085/21	1	T	13:10	X																			
LCSD 280-119085/22	1	T	13:12	X																			
280-28076-1	1	T	13:13	X																			
ZZZZZZ			13:15																				
ZZZZZZ			13:16																				
ZZZZZZ			13:18																				
280-28131-AF-4 MS	1	T	13:19	X																			
280-28131-AF-4 MSD	1	T	13:21	X																			
ZZZZZZ			13:22																				
ZZZZZZ			13:24																				
RINSE 280-119085/31			13:25																				
CCV 280-119085/32	1		13:27	X																			
CCVL 280-119085/33	1		13:28	X																			
CCB 280-119085/34	1		13:30	X																			
ZZZZZZ			13:31																				
ZZZZZZ			13:33																				
MB 280-119085/37	1	T	13:34	X																			
ZZZZZZ			13:36																				
ZZZZZZ			13:37																				
ZZZZZZ			13:39																				
ZZZZZZ			13:41																				
RINSE 280-119085/42			13:42																				

13-IN
ANALYSIS RUN LOG
GENERAL CHEMISTRY

Lab Name: TestAmerica Denver Job No.: 280-28076-1

SDG No.:

Instrument ID: WC_Alp 2 Method: 350.1

Start Date: 05/09/2012 12:32 End Date: 05/09/2012 17:11

Lab Sample ID	D / F	Type	Time	Analytes																			
				NH3																			
CCV 280-119085/43	1		13:44	X																			
CCVL 280-119085/44	1		13:45	X																			
CCB 280-119085/45	1		13:47	X																			
ZZZZZZ			13:48																				
ZZZZZZ			14:20																				
ZZZZZZ			14:21																				
ZZZZZZ			14:23																				
ZZZZZZ			14:24																				
ZZZZZZ			14:26																				
ZZZZZZ			14:27																				
ZZZZZZ			14:29																				
ZZZZZZ			14:30																				
ZZZZZZ			14:32																				
ZZZZZZ			14:33																				
ZZZZZZ			14:35																				
ZZZZZZ			14:36																				
ZZZZZZ			14:38																				
ZZZZZZ			14:39																				
ICV 280-119085/61			14:41																				
ZZZZZZ			14:42																				
ICB 280-119085/63			14:44																				
ZZZZZZ			14:45																				
ZZZZZZ			14:47																				
ZZZZZZ			14:48																				
ZZZZZZ			14:50																				
ZZZZZZ			14:51																				
ZZZZZZ			14:53																				
ZZZZZZ			14:54																				
ZZZZZZ			14:56																				
ZZZZZZ			14:57																				
ZZZZZZ			14:59																				
ZZZZZZ			15:00																				
ZZZZZZ			15:02																				
ZZZZZZ			15:03																				
RINSE 280-119085/77			15:05																				
ZZZZZZ			15:06																				
CCV 280-119085/79			15:08																				
CCB 280-119085/80			15:09																				
ZZZZZZ			15:11																				
ZZZZZZ			15:12																				
ZZZZZZ			15:14																				
ZZZZZZ			15:15																				

13-IN
ANALYSIS RUN LOG
GENERAL CHEMISTRY

Lab Name: TestAmerica Denver Job No.: 280-28076-1

SDG No.:

Instrument ID: WC_Alp 2 Method: 350.1

Start Date: 05/09/2012 12:32 End Date: 05/09/2012 17:11

Lab Sample ID	D / F	Type	Time	Analytes																			
				NH3																			
ZZZZZZ			15:17																				
ZZZZZZ			15:18																				
ZZZZZZ			15:20																				
ZZZZZZ			15:21																				
ZZZZZZ			15:23																				
ZZZZZZ			15:24																				
ZZZZZZ			15:26																				
ZZZZZZ			15:27																				
RINSE 280-119085/93			15:29																				
ZZZZZZ			15:30																				
CCV 280-119085/95			15:32																				
CCB 280-119085/96			15:33																				
ZZZZZZ			15:35																				
ZZZZZZ			15:36																				
ZZZZZZ			15:38																				
ZZZZZZ			15:39																				
ZZZZZZ			15:41																				
ZZZZZZ			15:42																				
ZZZZZZ			15:44																				
ZZZZZZ			15:45																				
ZZZZZZ			15:47																				
ZZZZZZ			15:48																				
ZZZZZZ			15:50																				
ZZZZZZ			15:51																				
RINSE 280-119085/109			15:53																				
ZZZZZZ			15:54																				
CCV 280-119085/111			15:56																				
CCB 280-119085/112			15:57																				
ZZZZZZ			15:59																				
ZZZZZZ			16:00																				
ZZZZZZ			16:02																				
ZZZZZZ			16:03																				
ZZZZZZ			16:05																				
ZZZZZZ			16:06																				
ZZZZZZ			16:08																				
ZZZZZZ			16:09																				
ZZZZZZ			16:11																				
ZZZZZZ			16:12																				
ZZZZZZ			16:14																				
ZZZZZZ			16:15																				
RINSE 280-119085/125			16:17																				
ZZZZZZ			16:18																				

13-IN
ANALYSIS RUN LOG
GENERAL CHEMISTRY

Lab Name: TestAmerica Denver Job No.: 280-28076-1

SDG No.:

Instrument ID: WC_Alp 2 Method: 350.1

Start Date: 05/09/2012 12:32 End Date: 05/09/2012 17:11

Lab Sample ID	D / F	Type	Time	Analytes																				
				NH3																				
CCV 280-119085/127			16:20																					
CCB 280-119085/128			16:21																					
ZZZZZZ			16:23																					
ZZZZZZ			16:24																					
ZZZZZZ			16:26																					
ZZZZZZ			16:27																					
ZZZZZZ			16:29																					
ZZZZZZ			16:30																					
ZZZZZZ			16:32																					
ZZZZZZ			16:33																					
ZZZZZZ			16:35																					
ZZZZZZ			16:36																					
ZZZZZZ			16:38																					
ZZZZZZ			16:39																					
RINSE 280-119085/141			16:41																					
ZZZZZZ			16:42																					
CCV 280-119085/143			16:44																					
CCB 280-119085/144			16:45																					
ZZZZZZ			16:47																					
ZZZZZZ			16:48																					
ZZZZZZ			16:50																					
ZZZZZZ			16:51																					
ZZZZZZ			16:53																					
ZZZZZZ			16:54																					
ZZZZZZ			16:56																					
ZZZZZZ			16:57																					
ZZZZZZ			16:59																					
ZZZZZZ			17:00																					
ZZZZZZ			17:02																					
ZZZZZZ			17:03																					
RINSE 280-119085/157			17:05																					
ZZZZZZ			17:06																					
CCV 280-119085/159			17:08																					
CCB 280-119085/160			17:09																					
ZZZZZZ			17:11																					

Prep Types

T = Total/NA

13-IN
ANALYSIS RUN LOG
GENERAL CHEMISTRY

Lab Name: TestAmerica Denver Job No.: 280-28076-1

SDG No.:

Instrument ID: WC_Alp 2 Method: 353.2

Start Date: 05/09/2012 12:32 End Date: 05/09/2012 17:11

Lab Sample ID	D / F	Type	Time	Analytes																				
				NNO32																				
ZZZZZZ			12:32																					
ZZZZZZ			12:34																					
ZZZZZZ			12:35																					
ZZZZZZ			12:37																					
IC 280-119089/5			12:38	X																				
IC 280-119089/6			12:40	X																				
IC 280-119089/7			12:41	X																				
IC 280-119089/8			12:43	X																				
IC 280-119089/9			12:44	X																				
IC 280-119089/10			12:46	X																				
IC 280-119089/11			12:47	X																				
ZZZZZZ			12:49																					
ZZZZZZ			12:50																					
ZZZZZZ			12:52																					
ICVL 280-119089/15	1		12:53	X																				
ICV 280-119089/16	1		12:55	X																				
ICB 280-119089/17	1		12:56	X																				
MRL 280-119089/18	1	T	12:58	X																				
ZZZZZZ			12:59																					
MB 280-119089/20	1	T	13:09	X																				
LCS 280-119089/21	1	T	13:10	X																				
LCSD 280-119089/22	1	T	13:12	X																				
280-28076-1	1	T	13:13	X																				
ZZZZZZ			13:15																					
ZZZZZZ			13:16																					
ZZZZZZ			13:18																					
280-28131-AF-4 MS	1	T	13:19	X																				
280-28131-AF-4 MSD	1	T	13:21	X																				
ZZZZZZ			13:22																					
ZZZZZZ			13:24																					
RINSE 280-119089/31			13:25																					
CCV 280-119089/32	1		13:27	X																				
CCVL 280-119089/33	1		13:28	X																				
CCB 280-119089/34	1		13:30	X																				
ZZZZZZ			13:31																					
ZZZZZZ			13:33																					
ZZZZZZ			13:34																					
ZZZZZZ			13:36																					
ZZZZZZ			13:37																					
ZZZZZZ			13:39																					
ZZZZZZ			13:41																					
RINSE 280-119089/42			13:42																					

13-IN
ANALYSIS RUN LOG
GENERAL CHEMISTRY

Lab Name: TestAmerica Denver Job No.: 280-28076-1

SDG No.:

Instrument ID: WC_Alp 2 Method: 353.2

Start Date: 05/09/2012 12:32 End Date: 05/09/2012 17:11

Lab Sample ID	D / F	Type	Time	Analytes																				
				NNO32																				
CCV 280-119089/43			13:44																					
CCVL 280-119089/44			13:45																					
CCB 280-119089/45			13:47																					
ZZZZZZ			13:48																					
ZZZZZZ			14:20																					
ZZZZZZ			14:21																					
ZZZZZZ			14:23																					
ZZZZZZ			14:24																					
ZZZZZZ			14:26																					
ZZZZZZ			14:27																					
ZZZZZZ			14:29																					
ZZZZZZ			14:30																					
ZZZZZZ			14:32																					
ZZZZZZ			14:33																					
ZZZZZZ			14:35																					
ZZZZZZ			14:36																					
ZZZZZZ			14:38																					
ZZZZZZ			14:39																					
ICV 280-119089/61			14:41																					
ZZZZZZ			14:42																					
ICB 280-119089/63			14:44																					
ZZZZZZ			14:45																					
ZZZZZZ			14:47																					
ZZZZZZ			14:48																					
ZZZZZZ			14:50																					
ZZZZZZ			14:51																					
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ZZZZZZ			14:54																					
ZZZZZZ			14:56																					
ZZZZZZ			14:57																					
ZZZZZZ			14:59																					
ZZZZZZ			15:00																					
ZZZZZZ			15:02																					
ZZZZZZ			15:03																					
RINSE 280-119089/77			15:05																					
ZZZZZZ			15:06																					
CCV 280-119089/79			15:08																					
CCB 280-119089/80			15:09																					
ZZZZZZ			15:11																					
ZZZZZZ			15:12																					
ZZZZZZ			15:14																					
ZZZZZZ			15:15																					

13-IN
ANALYSIS RUN LOG
GENERAL CHEMISTRY

Lab Name: TestAmerica Denver Job No.: 280-28076-1

SDG No.:

Instrument ID: WC_Alp 2 Method: 353.2

Start Date: 05/09/2012 12:32 End Date: 05/09/2012 17:11

Lab Sample ID	D / F	Type	Time	Analytes																				
				NNO32																				
ZZZZZZ			15:17																					
ZZZZZZ			15:18																					
ZZZZZZ			15:20																					
ZZZZZZ			15:21																					
ZZZZZZ			15:23																					
ZZZZZZ			15:24																					
ZZZZZZ			15:26																					
ZZZZZZ			15:27																					
RINSE 280-119089/93			15:29																					
ZZZZZZ			15:30																					
CCV 280-119089/95			15:32																					
CCB 280-119089/96			15:33																					
ZZZZZZ			15:35																					
ZZZZZZ			15:36																					
ZZZZZZ			15:38																					
ZZZZZZ			15:39																					
ZZZZZZ			15:41																					
ZZZZZZ			15:42																					
ZZZZZZ			15:44																					
ZZZZZZ			15:45																					
ZZZZZZ			15:47																					
ZZZZZZ			15:48																					
ZZZZZZ			15:50																					
ZZZZZZ			15:51																					
RINSE 280-119089/109			15:53																					
ZZZZZZ			15:54																					
CCV 280-119089/111			15:56																					
CCB 280-119089/112			15:57																					
ZZZZZZ			15:59																					
ZZZZZZ			16:00																					
ZZZZZZ			16:02																					
ZZZZZZ			16:03																					
ZZZZZZ			16:05																					
ZZZZZZ			16:06																					
ZZZZZZ			16:08																					
ZZZZZZ			16:09																					
ZZZZZZ			16:11																					
ZZZZZZ			16:12																					
ZZZZZZ			16:14																					
ZZZZZZ			16:15																					
RINSE 280-119089/125			16:17																					
ZZZZZZ			16:18																					

13-IN
ANALYSIS RUN LOG
GENERAL CHEMISTRY

Lab Name: TestAmerica Denver Job No.: 280-28076-1

SDG No.:

Instrument ID: WC_Alp 2 Method: 353.2

Start Date: 05/09/2012 12:32 End Date: 05/09/2012 17:11

Lab Sample ID	D / F	Type	Time	Analytes																				
				NNO32																				
CCV 280-119089/127			16:20																					
CCB 280-119089/128			16:21																					
ZZZZZZ			16:23																					
ZZZZZZ			16:24																					
ZZZZZZ			16:26																					
ZZZZZZ			16:27																					
ZZZZZZ			16:29																					
ZZZZZZ			16:30																					
ZZZZZZ			16:32																					
ZZZZZZ			16:33																					
ZZZZZZ			16:35																					
ZZZZZZ			16:36																					
ZZZZZZ			16:38																					
ZZZZZZ			16:39																					
RINSE 280-119089/141			16:41																					
ZZZZZZ			16:42																					
CCV 280-119089/143			16:44																					
CCB 280-119089/144			16:45																					
ZZZZZZ			16:47																					
ZZZZZZ			16:48																					
ZZZZZZ			16:50																					
ZZZZZZ			16:51																					
ZZZZZZ			16:53																					
ZZZZZZ			16:54																					
ZZZZZZ			16:56																					
ZZZZZZ			16:57																					
ZZZZZZ			16:59																					
ZZZZZZ			17:00																					
ZZZZZZ			17:02																					
ZZZZZZ			17:03																					
RINSE 280-119089/157			17:05																					
ZZZZZZ			17:06																					
CCV 280-119089/159			17:08																					
CCB 280-119089/160			17:09																					
ZZZZZZ			17:11																					

Prep Types

T = Total/NA

13-IN
ANALYSIS RUN LOG
GENERAL CHEMISTRY

Lab Name: TestAmerica Denver Job No.: 280-28076-1

SDG No.:

Instrument ID: WC_Astoria Method: 365.1

Start Date: 05/10/2012 16:39 End Date: 05/10/2012 18:51

Lab Sample ID	D / F	Type	Time	Analytes																			
				P																			
ZZZZZZ			16:39																				
ZZZZZZ			16:40																				
ZZZZZZ			16:43																				
ZZZZZZ			16:45																				
IC 280-119330/5			16:47	X																			
IC 280-119330/6			16:50	X																			
IC 280-119330/7			16:52	X																			
IC 280-119330/8			16:54	X																			
IC 280-119330/9			16:57	X																			
IC 280-119330/10			16:59	X																			
IC 280-119330/11			17:01	X																			
ZZZZZZ			17:04																				
ZZZZZZ			17:06																				
ICV 280-119077/1-A	1		17:08	X																			
ICB 280-119077/2-A			17:11																				
LCS 280-119077/3-A	1	T	17:13	X																			
LCSD 280-119077/4-A	1	T	17:15	X																			
MB 280-119077/5-A	1	T	17:18	X																			
ZZZZZZ			17:20																				
ZZZZZZ			17:22																				
ZZZZZZ			17:25																				
ZZZZZZ			17:27																				
ZZZZZZ			17:29																				
ZZZZZZ			17:32																				
ZZZZZZ			17:34																				
ZZZZZZ			17:36																				
ZZZZZZ			17:39																				
CCV 280-119330/28	1		17:41	X																			
CCB 280-119330/29	1		17:43	X																			
ZZZZZZ			17:46																				
ZZZZZZ			17:48																				
ZZZZZZ			17:50																				
ZZZZZZ			17:53																				
ZZZZZZ			17:55																				
280-28131-AP-4-B MS	2	D	17:58	X																			
ZZZZZZ			18:00																				
ZZZZZZ			18:02																				
280-28131-AP-4-C MSD	2	D	18:05	X																			
ZZZZZZ			18:07																				
ZZZZZZ			18:09																				
CCV 280-119330/41	1		18:12	X																			
CCB 280-119330/42	1		18:14	X																			

13-IN
ANALYSIS RUN LOG
GENERAL CHEMISTRY

Lab Name: TestAmerica Denver Job No.: 280-28076-1

SDG No.:

Instrument ID: WC_Astoria Method: 365.1

Start Date: 05/10/2012 16:39 End Date: 05/10/2012 18:51

Lab Sample ID	D / F	Type	Time	Analytes																			
				P																			
ZZZZZZ			18:16																				
ZZZZZZ			18:19																				
ZZZZZZ			18:21																				
ZZZZZZ			18:23																				
ZZZZZZ			18:26																				
ZZZZZZ			18:28																				
ZZZZZZ			18:30																				
ZZZZZZ			18:33																				
ZZZZZZ			18:35																				
ZZZZZZ			18:37																				
ZZZZZZ			18:40																				
ZZZZZZ			18:42																				
ZZZZZZ			18:44																				
ZZZZZZ			18:47																				
ZZZZZZ			18:49																				
CCV 280-119330/58			18:51																				

Prep Types

D = Dissolved

T = Total/NA

13-IN
ANALYSIS RUN LOG
GENERAL CHEMISTRY

Lab Name: TestAmerica Denver Job No.: 280-28076-1

SDG No.:

Instrument ID: WC_Astoria Method: 365.1

Start Date: 05/11/2012 14:47 End Date: 05/11/2012 16:10

Lab Sample ID	D / F	Type	Time	Analytes																			
				P																			
ZZZZZZ			14:47																				
ZZZZZZ			14:48																				
ZZZZZZ			14:51																				
ZZZZZZ			14:53																				
IC 280-119513/5			14:55	X																			
IC 280-119513/6			14:58	X																			
IC 280-119513/7			15:00	X																			
IC 280-119513/8			15:02	X																			
IC 280-119513/9			15:05	X																			
IC 280-119513/10			15:07	X																			
IC 280-119513/11			15:09	X																			
ZZZZZZ			15:12																				
ZZZZZZ			15:14																				
ICV 280-119077/1-A	1		15:16	X																			
ICB 280-119077/2-A	1		15:19	X																			
LCS 280-119081/1-A	1	T	15:21	X																			
LCSD 280-119081/2-A	1	T	15:24	X																			
MB 280-119081/3-A	1	T	15:26	X																			
ZZZZZZ			15:28																				
ZZZZZZ			15:31																				
ZZZZZZ			15:33																				
280-28131-AO-4-B MS	2	T	15:35	X																			
280-28131-AO-4-C MSD	2	T	15:38	X																			
ZZZZZZ			15:40																				
ZZZZZZ			15:42																				
ZZZZZZ			15:45																				
ZZZZZZ			15:47																				
CCV 280-119513/28	1		15:49	X																			
CCB 280-119513/29	1		15:52	X																			
280-28076-1	2	T	15:54	X																			
280-28076-1	2	D	15:56	X																			
ZZZZZZ			15:59																				
CCV 280-119513/33	1		16:01	X																			
CCB 280-119513/34	1		16:03	X																			
ZZZZZZ			16:06																				
ZZZZZZ			16:08																				
ZZZZZZ			16:10																				

Prep Types

D = Dissolved

T = Total/NA

13-IN
ANALYSIS RUN LOG
GENERAL CHEMISTRY

Lab Name: TestAmerica Denver Job No.: 280-28076-1

SDG No.:

Instrument ID: WC_IC6 Method: 9056

Start Date: 05/01/2012 11:19 End Date: 05/01/2012 21:07

Lab Sample ID	D / F	Type	Time	Analytes																				
				Br	CL-	F	SO4																	
ZZZZZZ			11:19																					
ZZZZZZ			11:36																					
ZZZZZZ			11:54																					
ZZZZZZ			12:11																					
ZZZZZZ			12:28																					
ZZZZZZ			12:46																					
ZZZZZZ			13:03																					
ZZZZZZ			13:20																					
ICV 280-117895/9	1		13:38	X	X	X	X																	
ICB 280-117895/10	1		13:55	X	X	X	X																	
MRL 280-117895/11	1	T	14:12	X	X	X	X																	
LCS 280-117895/12	1	T	14:29	X	X	X	X																	
LCSD 280-117895/13	1	T	14:47	X	X	X	X																	
MB 280-117895/14	1	T	15:04	X	X	X	X																	
ZZZZZZ			15:21																					
280-28076-1	1	T	15:39	X		X	X																	
ZZZZZZ			15:56																					
ZZZZZZ			16:13																					
ZZZZZZ			16:31																					
280-28131-U-4 DU	1	T	16:48	X	X	X																		
280-28131-U-4 MS	1	T	17:05	X	X	X																		
280-28131-U-4 MSD	1	T	17:22	X	X	X																		
ZZZZZZ			17:40																					
ZZZZZZ			17:57																					
CCV 280-117895/25	1		18:14	X	X	X	X																	
CCB 280-117895/26	1		18:32	X	X	X	X																	
280-28076-1	20	T	18:49		X																			
ZZZZZZ			19:06																					
ZZZZZZ			19:24																					
ZZZZZZ			19:41																					
280-28131-U-4 DU	10	T	19:58				X																	
280-28131-U-4 MS	10	T	20:16				X																	
280-28131-U-4 MSD	10	T	20:33				X																	
CCV 280-117895/34	1		20:50	X	X	X	X																	
CCB 280-117895/35	1		21:07	X	X	X	X																	

Prep Types

T = Total/NA

13-IN
ANALYSIS RUN LOG
GENERAL CHEMISTRY

Lab Name: TestAmerica Denver Job No.: 280-28076-1

SDG No.:

Instrument ID: WC_SHI2 Method: 9060

Start Date: 05/07/2012 17:14 End Date: 05/08/2012 00:02

Lab Sample ID	D / F	Type	Time	Analytes																			
				TOCQ																			
ICV 280-118783/1	1		17:14	X																			
ICB 280-118783/2	1		17:31	X																			
LCS 280-118783/3	1	T	17:51	X																			
LCSD 280-118783/4	1	T	18:12	X																			
MB 280-118783/5	1	T	18:31	X																			
280-28076-1	1	T	18:49	X																			
ZZZZZZ			19:05																				
ZZZZZZ			19:22																				
ZZZZZZ			19:38																				
280-28131-AM-4 MS	1	T	19:54	X																			
280-28131-AM-4 MSD	1	T	20:12	X																			
ZZZZZZ			20:29																				
ZZZZZZ			20:43																				
ZZZZZZ			20:58																				
ZZZZZZ			21:15																				
CCV 280-118783/16	1		21:32	X																			
CCB 280-118783/17	1		21:49	X																			
ZZZZZZ			22:03																				
ZZZZZZ			22:19																				
ZZZZZZ			22:36																				
ZZZZZZ			22:55																				
ZZZZZZ			23:11																				
ZZZZZZ			23:26																				
CCV 280-118783/24			23:43																				
CCB 280-118783/25			00:02																				

Prep Types

T = Total/NA

13-IN
ANALYSIS RUN LOG
GENERAL CHEMISTRY

Lab Name: TestAmerica Denver Job No.: 280-28076-1

SDG No.:

Instrument ID: WC_SHI2 Method: 9060

Start Date: 05/07/2012 17:14 End Date: 05/08/2012 00:02

Lab Sample ID	D / F	Type	Time	Analytes																			
				DOCQ																			
ICV 280-118784/1	1		17:14	X																			
ICB 280-118784/2	1		17:31	X																			
LCS 280-118784/3	1	D	17:51	X																			
LCSD 280-118784/4	1	D	18:12	X																			
MB 280-118784/5	1	D	18:31	X																			
ZZZZZZ			18:49																				
ZZZZZZ			19:05																				
ZZZZZZ			19:22																				
ZZZZZZ			19:38																				
ZZZZZZ			19:54																				
ZZZZZZ			20:12																				
ZZZZZZ			20:29																				
ZZZZZZ			20:43																				
280-28076-1	1	D	20:58	X																			
ZZZZZZ			21:15																				
CCV 280-118784/16	1		21:32	X																			
CCB 280-118784/17	1		21:49	X																			
ZZZZZZ			22:03																				
ZZZZZZ			22:19																				
280-28131-AI-4 MS	1	D	22:36	X																			
280-28131-AI-4 MSD	1	D	22:55	X																			
ZZZZZZ			23:11																				
ZZZZZZ			23:26																				
CCV 280-118784/24	1		23:43	X																			
CCB 280-118784/25	1		00:02	X																			

Prep Types
D = Dissolved

13-IN
ANALYSIS RUN LOG
GENERAL CHEMISTRY

Lab Name: TestAmerica Denver Job No.: 280-28076-1

SDG No.:

Instrument ID: WC_SHI2 Method: 9060

Start Date: 05/11/2012 08:27 End Date: 05/11/2012 13:48

Lab Sample ID	D / F	Type	Time	Analytes																			
				TICQ																			
ICV 280-119489/1	1		08:27	X																			
ICB 280-119489/2	1		08:41	X																			
LCS 280-119489/3	1	T	08:59	X																			
LCSD 280-119489/4	1	T	09:13	X																			
MB 280-119489/5	1	T	09:27	X																			
ZZZZZZ			09:36																				
ZZZZZZ			09:49																				
ZZZZZZ			10:03																				
ZZZZZZ			10:16																				
ZZZZZZ			10:30																				
ZZZZZZ			10:45																				
ZZZZZZ			10:58																				
ZZZZZZ			11:08																				
CCV 280-119489/14	1		11:20	X																			
CCB 280-119489/15	1		11:33	X																			
280-28076-1	1	T	11:43	X																			
ZZZZZZ			11:56																				
ZZZZZZ			12:10																				
ZZZZZZ			12:27																				
280-28131-X-4 MS	1	T	12:41	X																			
280-28131-X-4 MSD	1	T	12:58	X																			
ZZZZZZ			13:12																				
ZZZZZZ			13:22																				
CCV 280-119489/24	1		13:34	X																			
CCB 280-119489/25	1		13:48	X																			

Prep Types
T = Total/NA

13-IN
ANALYSIS RUN LOG
GENERAL CHEMISTRY

Lab Name: TestAmerica Denver Job No.: 280-28076-1

SDG No.:

Instrument ID: WC_SHI2 Method: 9060

Start Date: 05/11/2012 08:35 End Date: 05/11/2012 08:35

Lab Sample ID	D / F	Type	Time	Analytes																				
				DICQ																				
ICV 280-119515/1	1		08:35	X																				
ICB 280-119515/2	1		08:35	X																				
LCS 280-119515/3	1	D	08:35	X																				
LCSD 280-119515/4	1	D	08:35	X																				
MB 280-119515/5	1	D	08:35	X																				
280-28076-1	1	D	08:35	X																				
ZZZZZZ			08:35																					
ZZZZZZ			08:35																					
ZZZZZZ			08:35																					
280-28131-W-4 MS	1	D	08:35	X																				
280-28131-W-4 MSD	1	D	08:35	X																				
ZZZZZZ			08:35																					
ZZZZZZ			08:35																					
CCV 280-119515/14	1		08:35	X																				
CCB 280-119515/15	1		08:35	X																				
ZZZZZZ			08:35																					
ZZZZZZ			08:35																					
ZZZZZZ			08:35																					
ZZZZZZ			08:35																					
ZZZZZZ			08:35																					

Prep Types

D = Dissolved

13-IN
ANALYSIS RUN LOG
GENERAL CHEMISTRY

Lab Name: TestAmerica Denver Job No.: 280-28076-1

SDG No.:

Instrument ID: NOEQUIP Method: SM 2540C

Start Date: 04/27/2012 08:51 End Date: 04/27/2012 08:51

Lab Sample ID	D / F	Type	Time	Analytes																				
				TDS																				
MB 280-117267/1	1	T	08:51	X																				
LCS 280-117267/2	1	T	08:51	X																				
LCSD 280-117267/3	1	T	08:51	X																				
ZZZZZZ			08:51																					
280-27933-A-7 DU	1	T	08:51	X																				
280-28076-1	1	T	08:51	X																				
ZZZZZZ			08:51																					
ZZZZZZ			08:51																					
ZZZZZZ			08:51																					
ZZZZZZ			08:51																					
ZZZZZZ			08:51																					

Prep Types
T = Total/NA

13-IN
ANALYSIS RUN LOG
GENERAL CHEMISTRY

Lab Name: TestAmerica Savannah Job No.: 280-28076-1

SDG No.:

Instrument ID: NOEQUIP Method: 425.1

Start Date: 04/24/2012 13:04 End Date: 04/24/2012 13:04

Lab Sample ID	D / F	Type	Time	Analytes																				
				MBAS																				
CCV 680-235205/1			13:04																					
ZZZZZZ			13:04																					
MB 680-235205/3	1	T	13:04	X																				
LCS 680-235205/4	1	T	13:04	X																				
ZZZZZZ			13:04																					
680-78834-A-2 MS	1	T	13:04	X																				
680-78834-A-2 MSD	1	T	13:04	X																				
280-28076-1	1	T	13:04	X																				
ZZZZZZ			13:04																					
ZZZZZZ			13:04																					
CCV 680-235205/11			13:04																					
CCB 680-235205/12			13:04																					

Prep Types

T = Total/NA

TESTAMERICA Denver

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

Wet Chemistry Data Review Checklist
For Tests with Calibration Curves

Test Name/ Method #: NH3 350.1 SOP # WC-0040

Instrument: AUP2 Analyst: SJ2 Analysis Date: 5/9/12

Lot/ Sample Numbers	Matrix	Prep Batch	Batch	Method	Special Inst
28076	AJ	—	119085	350.1	
28131	J	—	J	J	

SS 5.9.12

A. Calibration/Instrument Run QC	Yes	No	N/A	2nd Level
1. Minimum of five standards in ICAL or as specified in method?	✓			✓
2. Correlation coefficient ≥ 0.995 ?	✓			✓
3. Second-source ICV analyzed, and recovery within acceptance limits?	✓			✓
4. ICB analyzed immediately after the ICV & results < the RL	✓			✓
5. CCV analyzed after every ten samples & recovery within acceptance limits?	✓			✓
6. CCB analyzed after every CCV & results < RL?	✓			✓
7. Absolute value of the intercept is < ± ½ the RL?	✓			✓
B. Sample Results				
1. All samples greater than highest calibration standard diluted and reanalyzed?			✓	✓
2. Do associated RLs/MDLs reflect dilutions or limited sample volume?			✓	✓
3. All reported results bracketed by in control CCV results?	✓			✓
4. Sample analyses done within holding time?	✓			✓
5. Initial pH check documented for all samples? (If Applicable)	✓			✓
6. Preparation benchsheet completed and included in package?			✓	✓
7. Client requirements reviewed and met?	✓			✓
8. Were data manually transcribed from instrument printouts into TALS verified 100% including significant figures and correct units? (If Applicable)			✓	✓
9. Do the prep and analysis dates in TALS reflect the actual dates?	✓			✓
11. Raw data copies prepared, scanned, and uploaded?	✓			✓
12. Manual integrations done properly and initialed and dated?			✓	✓
13. STD/True Value information is updated and included?	✓			✓
C. Preparation/Matrix QC				
1. Method blank < RL or all reported samples > 10x blank have NCM?	✓			✓
2. Method blank < ½ RL or NCM provided?	✓			✓
3. LCS/LCSD run for batch and within QC limits?	✓			✓
4. MS/MSD run at required frequency and within limits or NCM written?	✓	✓		NW
5. DUP run at required frequency and RPD within acceptance limits or NCM written?			✓	✓

Analyst: SS Date: 5/9/12

2nd Level Reviewer : D.B. Date: 05.09.12

Due 5/10/12

Peak Table:Ammonia

File name: C:\FLOW_4\0509NXNC.RST
Date: 09-May-12
Operator: ss

Peak	Cup	Name	R	Type	Dil	Wt	Height	Calc. (ppb)	Flags
1	107	SYNC	1	SYNC	1	1	1728517	9992.053711	
2	0	Carryover	1	CO	1	1	3237	51.413273	
3	0	Carryover	2	CO	1	1	737	37.141197	
B	0	read baseline	1	RB	1	1	0	32.932892	BL
5	101	Cal 0.00 ppb	1	C	1	1	2962	49.840565	
6	102	Cal 50.0 ppb	1	C	1	1	9110	84.936203	
7	103	Cal 100 ppb	1	C	1	1	14574	116.132751	
8	104	Cal 500 ppb	1	C	1	1	69599	430.377380	
9	105	Cal 1000 ppb	1	C	1	1	160229	948.368164	
10	106	Cal 5000 ppb	1	C	1	1	870691	5026.517578	
11	107	Cal 10000 ppb	1	C	1	1	1728822	9993.826172	
12	0	blk	1	BLNK	1	1	-2714	17.442272	
B	0	READ BASELINE	1	RB	1	1	0	32.932892	BL
14	108	5000 PPB NO2	1	U	1	1	7837	77.672371	I
15	109	ICV 2000 PPB	1	CCV	1	1	308543	1797.140015	F
16	110	ICV 5000 PPB	1	CCV	1	1	852541	4921.948730	
17	0	ICB	1	U	1	1	-2714	17.439365	I
18	111	MRL	1	U	1	1	14741	117.086113	I
B	0	READ BASELINE	1	RB	1	1	0	32.932892	BL I
20	113	MB	1	U	1	1	4878	60.777187	I
21	106	LCS	1	U	1	1	890195	5138.911133	I
22	106	LCSD	1	U	1	1	869449	5019.363770	I
23	114	280-28076-i-1	1	U	1	1	135982	809.734497	I
24	115	280-28131-n-1	1	U	1	1	52991	335.512970	I
25	116	280-28131-k-3	1	U	1	1	119392	714.905273	I
26	117	280-28131-af-4	1	U	1	1	132285	788.599243	I
27	118	280-28131-af-4MS	1	U	1	1	477649	2766.557129	I
28	119	280-28131-af-4MSD	1	U	1	1	469503	2719.814941	I
29	120	280-28131-n-5	1	U	1	1	147960	878.211914	I
B	0	READ BASELINE	1	RB	1	1	0	32.932892	BL I
31	0	RINSE	1	U	1	1	1924	43.915428	I
32	106	5000 PPB CCV	1	CCV	1	1	869877	5021.826660	
33	105	CCV 1000PPB	1	CCV	1	1	158770	940.024353	
34	0	CCB	1	U	1	1	-346	30.957895	
B	0	READ BASELINE	1	RB	1	1	0	32.932892	BL
36	121	280-28131-m-6	1	U	1	1	6883	72.224037	
37	122	mb	1	U	1	1	1768	43.027832	
38	123	D	1	U	1	1	1804	43.230991	
39	124	D	1	U	1	1	2781	48.808514	
40	125	D	1	U	1	1	2147	45.190998	
B	0	READ BASELINE	1	RB	1	1	0	32.932892	BL
42	0	RINSE	1	U	1	1	-102	32.351406	
43	106	5000 PPB CCV	1	CCV	1	1	873198	5040.960938	
44	105	CCV 1000PPB	1	CCV	1	1	159657	945.095276	
45	0	CCB	1	U	1	1	4193	56.870941	
B	0	READ BASELINE	1	RB	1	1	0	32.932892	BL

Ammonia:Calibration 1: Peak 5-46

File name: C:\FLOW_4\0509NXNC.RST
Date: 09-May-12
Operator: ss

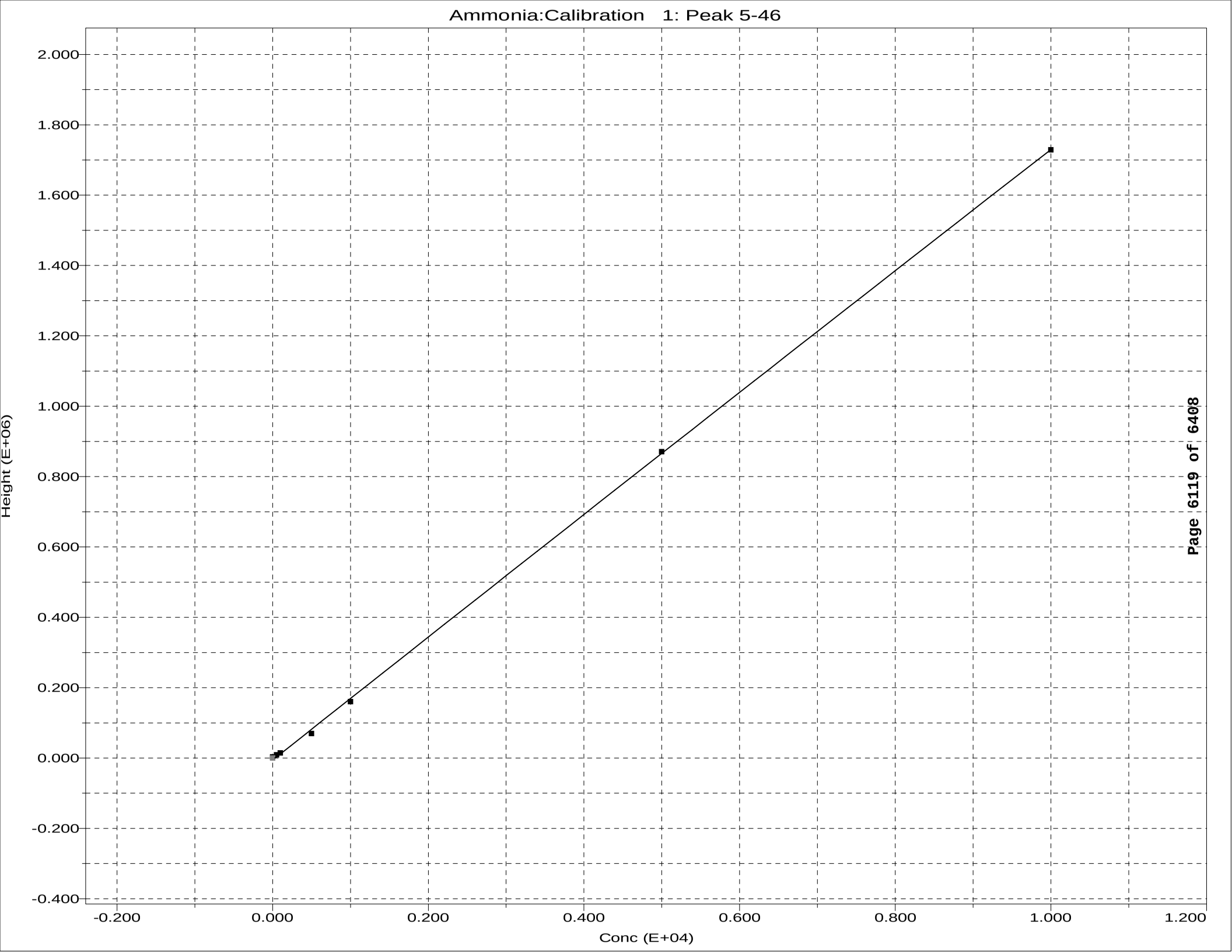
*	Name	Conc	Height
*	Cal 0.00 ppb	0.000000	2961.874756
*	Cal 50.0 ppb	50.000000	9109.602539
*	Cal 100 ppb	100.000000	14573.981445
*	Cal 500 ppb	500.000000	69599.000000
*	Cal 1000 ppb	1000.000000	160229.187500
*	Cal 5000 ppb	5000.000000	870690.812500
*	Cal 10000 ppb	10000.000000	1728822.375000

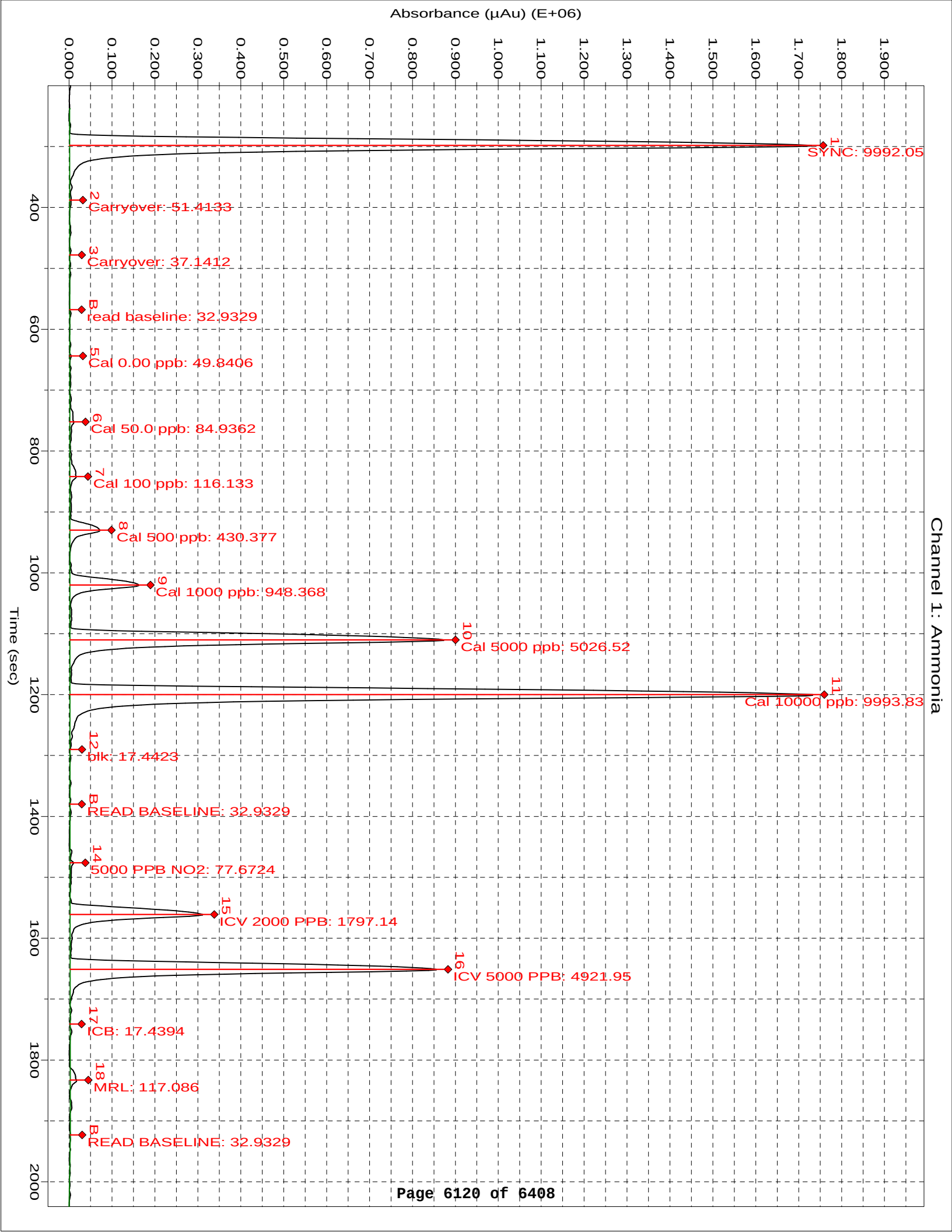
Calib Coef:
x=cyy+by+a
a: (intercept) 3.2933e+01
b: 5.7083e-03
c: 3.0841e-11

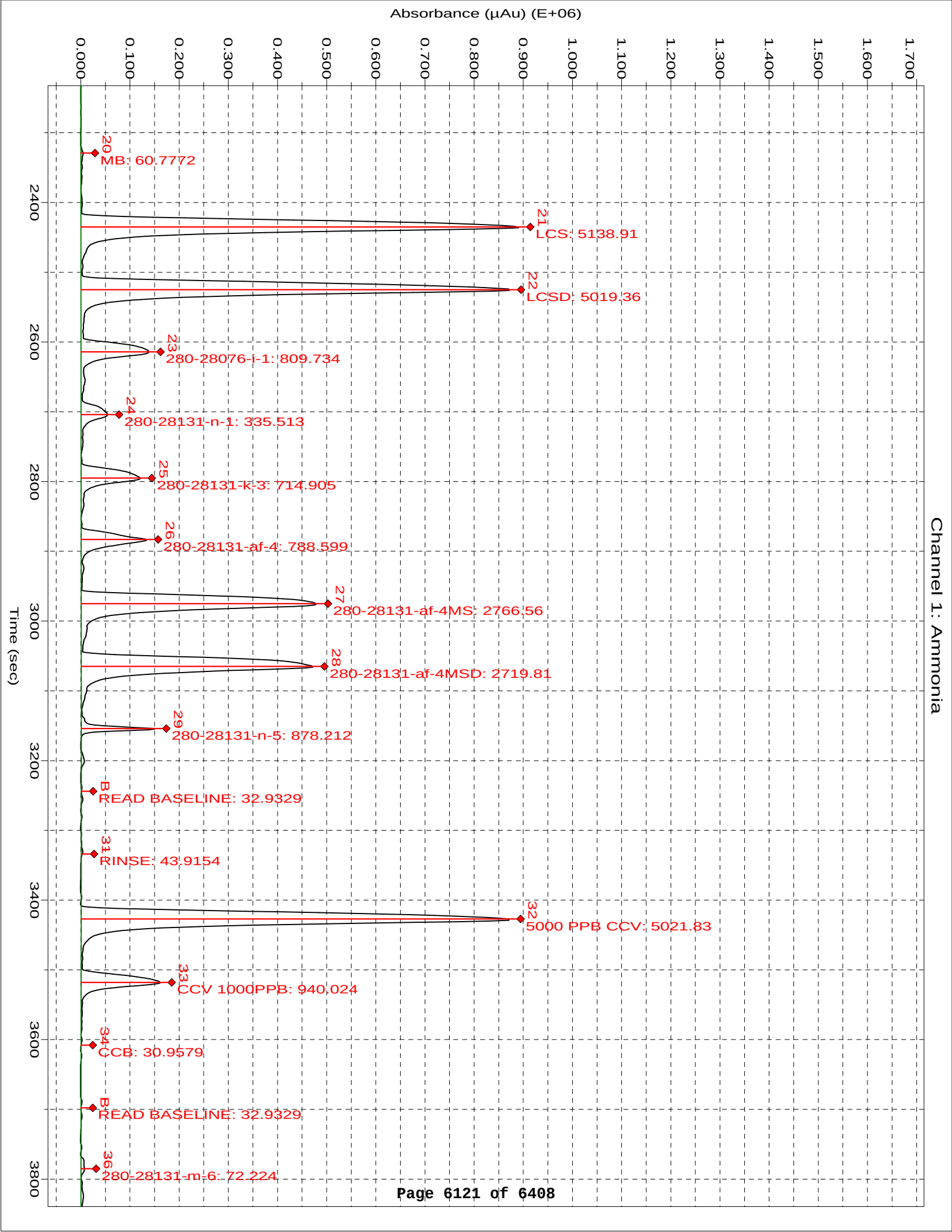
Corr Coef: 0.999930

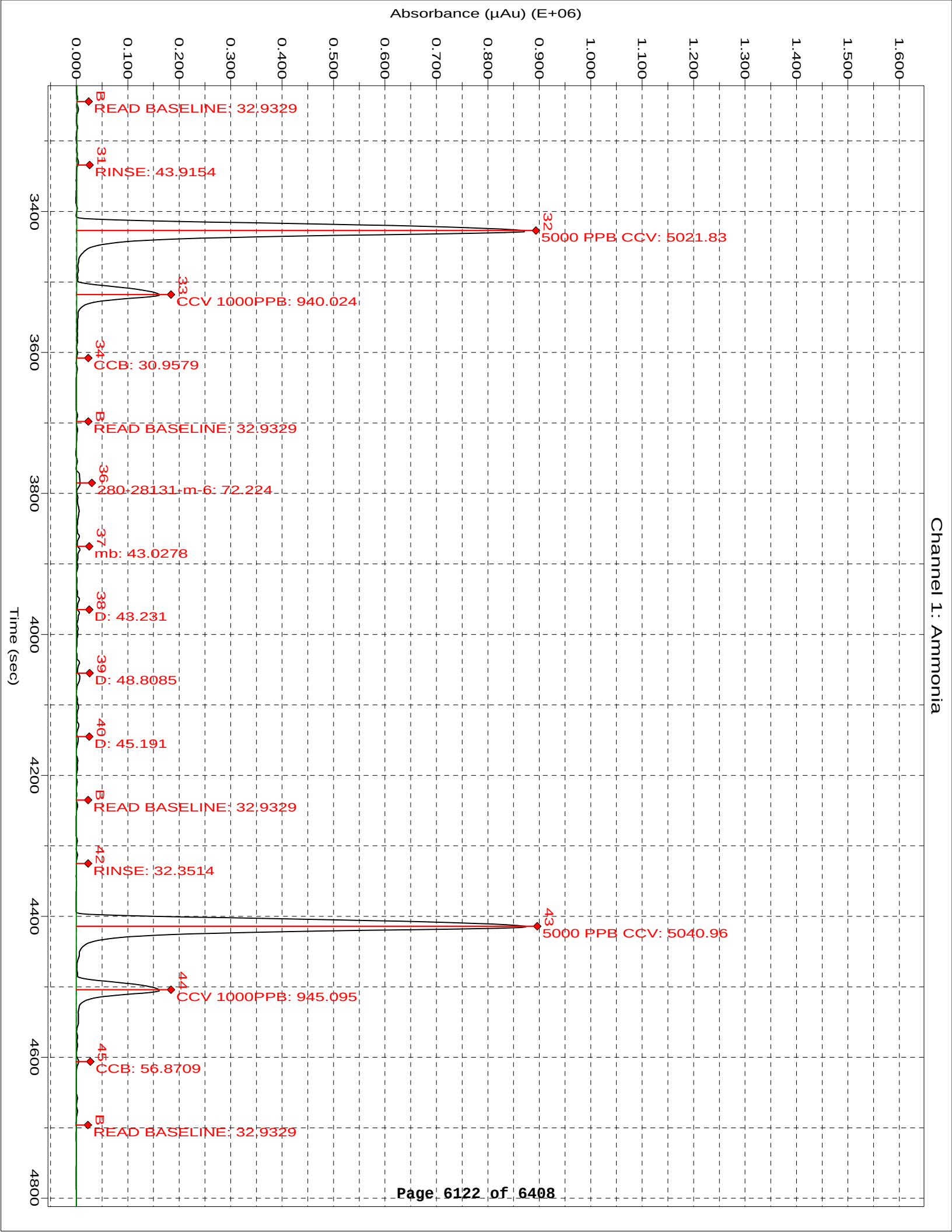
Carryover: 0.187%

No Drift Peaks


Ammonia:Calibration 1: Peak 5-46
2.000
1.800
1.600
1.400
1.200
1.000
0.800
0.600
0.400
0.200
0.000
-0.200
-0.400
Height (E+06)
-0.200
0.000
0.200
0.400
0.600
0.800
1.000
1.200
Conc (E+04)
Page 6119 of 6408


Absorbance (µAu) (E+06)
0.000
0.100
0.200
0.300
0.400
0.500
0.600
0.700
0.800
0.900
1.000
1.100
1.200
1.300
1.400
1.500
1.600
1.700
1.800
1.900
Time (sec)
400
600
800
1000
1200
1400
1600
1800
2000
Channel 1: Ammonia
1 SYNC: 9992.05
2 Carryover: 51.4133
3 Carryover: 37.1412
B read baseline: 32.9329
5 Cal 0.00 ppb: 49.8406
6 Cal 50.0 ppb: 84.9362
7 Cal 100 ppb: 116.133
8 Cal 500 ppb: 430.377
9 Cal 1000 ppb: 948.368
10 Cal 5000 ppb: 5026.52
11 Cal 10000 ppb: 9993.83
12 blk: 17.4423
B READ BASELINE: 32.9329
14 5000 PPB NO2: 77.6724
15 ICV 2000 PPB: 1797.14
16 ICV 5000 PPB: 4921.95
17 ICB: 17.4394
18 MRL: 117.086
B READ BASELINE: 32.9329


Absorbance (µAu) (E+06)
0.000
0.100
0.200
0.300
0.400
0.500
0.600
0.700
0.800
0.900
1.000
1.100
1.200
1.300
1.400
1.500
1.600
1.700
Time (sec)
2400
2600
2800
3000
3200
3400
3600
3800
Channel 1: Ammonia
20
MB: 60.7772
21
LCS: 5138.91
22
LCSD: 5019.36
23
280-28076-i-1: 809.734
24
280-28131-n-1: 335.513
25
280-28131-k-3: 714.905
26
280-28131-af-4: 788.599
27
280-28131-af-4MS: 2766.56
28
280-28131-af-4MSD: 2719.81
29
280-28131-n-5: 878.212
B
READ BASELINE: 32.9329
31
RINSE: 43.9154
32
5000 PPB CCV: 5021.83
33
CCV 1000PPB: 940.024
34
CCB: 30.9579
B
READ BASELINE: 32.9329
36
280-28131-m-6: 72.224


Absorbance (µAu) (E+06)
0.000
0.100
0.200
0.300
0.400
0.500
0.600
0.700
0.800
0.900
1.000
1.100
1.200
1.300
1.400
1.500
1.600
Time (sec)
3400
3600
3800
4000
4200
4400
4600
4800
Channel 1: Ammonia
B READ BASELINE: 32.9329
31 RINSE: 43.9154
32 5000 PPB CCV: 5021.83
33 CCV 1000PPB: 940.024
34 CCB: 30.9579
B READ BASELINE: 32.9329
36 280-28131-m-6: 72.224
37 mb: 43.0278
38 D: 43.231
39 D: 48.8085
40 D: 45.191
B READ BASELINE: 32.9329
42 RINSE: 32.3514
43 5000 PPB CCV: 5040.96
44 CCV 1000PPB: 945.095
45 CCB: 56.8709
B READ BASELINE: 32.9329

TESTAMERICA Denver

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

Wet Chemistry Data Review Checklist
For Tests with Calibration Curves

Test Name/ Method #: NOX + 353.2 SOP # WC-0007

Instrument: ALP2 Analyst: SJM Analysis Date: 5/9/12

Lot / Sample Numbers	Matrix	Prep Batch	Batch	Method	Special Inst
28076	AQ		119089	353.2	
28131	✓	✓	✓	✓	

SS. 5.9.12

A. Calibration/Instrument Run QC	Yes	No	N/A	2nd Level
1. Minimum of five standards in ICAL or as specified in method?	✓			✓
2. Correlation coefficient ≥ 0.995 ?	✓			✓
3. Second-source ICV analyzed, and recovery within acceptance limits?	✓			✓
4. ICB analyzed immediately after the ICV & results < the RL	✓			✓
5. CCV analyzed after every ten samples & recovery within acceptance limits?	✓			✓
6. CCB analyzed after every CCV & results < RL?	✓			✓
7. Absolute value of the intercept is < ± ½ the RL?	✓			✓
B. Sample Results				
1. All samples greater than highest calibration standard diluted and reanalyzed?			✓	✓
2. Do associated RLs/MDLs reflect dilutions or limited sample volume?	✓			✓
3. All reported results bracketed by in control CCV results?	✓			✓
4. Sample analyses done within holding time?	✓			✓
5. Initial pH check documented for all samples? (If Applicable)	✓			✓
6. Preparation benchsheet completed and included in package?			✓	✓
7. Client requirements reviewed and met?	✓			✓
8. Were data manually transcribed from instrument printouts into TALS verified 100% including significant figures and correct units? (If Applicable)			✓	✓
9. Do the prep and analysis dates in TALS reflect the actual dates?	✓			✓
11. Raw data copies prepared, scanned, and uploaded?	✓			✓
12. Manual integrations done properly and initialed and dated?			✓	✓
13. STD/True Value information is updated and included?	✓			✓
C. Preparation/Matrix QC				
1. Method blank < RL or all reported samples > 10x blank have NCM?	✓			✓
2. Method blank < ½ RL or NCM provided?	✓			✓
3. LCS/LCSD run for batch and within QC limits?	✓			✓
4. MS/MSD run at required frequency and within limits or NCM written?	✓			✓
5. DUP run at required frequency and RPD within acceptance limits or NCM written?			✓	✓

Analyst: SS Date: 5/9/12

2nd Level Reviewer : D. B. Date: 05-09-12

Due 5/10/12

Revision 0

Peak Table:Nitrate as N

File name: C:\FLOW_4\0509NXNC.RST
Date: 09-May-12
Operator: ss

Peak	Cup	Name	R	Type	Dil	Wt	Height	Calc. (ppb)	Flags
1	107	SYNC	1	SYNC	1	1	1046258	9758.725586	
2	0	Carryover	1	CO	1	1	459	2.488891	
3	0	Carryover	2	CO	1	1	-31	-2.083450	LO
B	0	read baseline	1	RB	1	1	0	-1.789672	BL
5	101	Cal 0.00 ppb	1	C	1	1	353	1.501673	
6	102	Cal 50.0 ppb	1	C	1	1	5390	48.496910	
7	103	Cal 100 ppb	1	C	1	1	10511	96.264946	
8	104	Cal 500 ppb	1	C	1	1	52081	484.068787	
9	105	Cal 1000 ppb	1	C	1	1	106413	990.936523	
10	106	Cal 5000 ppb	1	C	1	1	541941	5053.966797	
11	107	Cal 10000 ppb	1	C	1	1	1069416	9974.763672	
12	0	blk	1	BLNK	1	1	168	-0.224163	LO
B	0	READ BASELINE	1	RB	1	1	0	-1.789672	BL
14	108	5000 PPB NO2	1	U	1	1	557019	5194.631348	
15	109	ICV 2000 PPB	1	CCV	1	1	214600	2000.211914	
16	110	ICV 5000 PPB	1	CCV	1	1	543149	5065.234375	
17	0	ICB	1	U	1	1	126	-0.612558	LO
18	111	MRL	1	U	1	1	10383	95.073631	
B	0	READ BASELINE	1	RB	1	1	0	-1.789672	BL
20	113	MB	1	U	1	1	595	3.760134	
21	106	LCS	1	U	1	1	544633	5079.075684	
22	106	LCSD	1	U	1	1	542302	5057.336426	
23	114	280-28076-i-1	1	U	1	1	2169	18.440628	
24	115	280-28131-n-1	1	U	1	1	2137	18.142130	
25	116	280-28131-k-3	1	U	1	1	1689	13.967865	
26	117	280-28131-af-4	1	U	1	1	1903	15.967811	
27	118	280-28131-af-4MS	1	U	1	1	445607	4155.268555	
28	119	280-28131-af-4MSD	1	U	1	1	459075	4280.907227	
29	120	280-28131-n-5	1	U	1	1	1877	15.720408	
B	0	READ BASELINE	1	RB	1	1	0	-1.789672	BL
31	0	RINSE	1	U	1	1	-70	-2.442215	LO
32	106	5000 PPB CCV	1	CCV	1	1	550623	5134.963379	
33	105	CCV 1000PPB	1	CCV	1	1	108172	1007.343689	
34	0	CCB	1	U	1	1	157	-0.321505	LO
B	0	READ BASELINE	1	RB	1	1	0	-1.789672	BL
36	121	280-28131-m-6	1	U	1	1	2158	18.342709	
37	122	mb	1	U	1	1	944	7.013709	
38	123	D	1	U	1	1	1172	9.142833	
39	124	D	1	U	1	1	1171	9.137369	
40	125	D	1	U	1	1	697	4.715476	
B	0	READ BASELINE	1	RB	1	1	0	-1.789672	BL
42	0	RINSE	1	U	1	1	6	-1.733341	LO
43	106	5000 PPB CCV	1	CCV	1	1	552859	5155.818359	
44	105	CCV 1000PPB	1	CCV	1	1	110489	1028.957886	
45	0	CCB	1	U	1	1	42	-1.395841	LO
B	0	READ BASELINE	1	RB	1	1	0	-1.789672	BL

Nitrate as N:Calibration 1: Peak 5-46

File name: C:\FLOW_4\0509NXNC.RST
Date: 09-May-12
Operator: ss

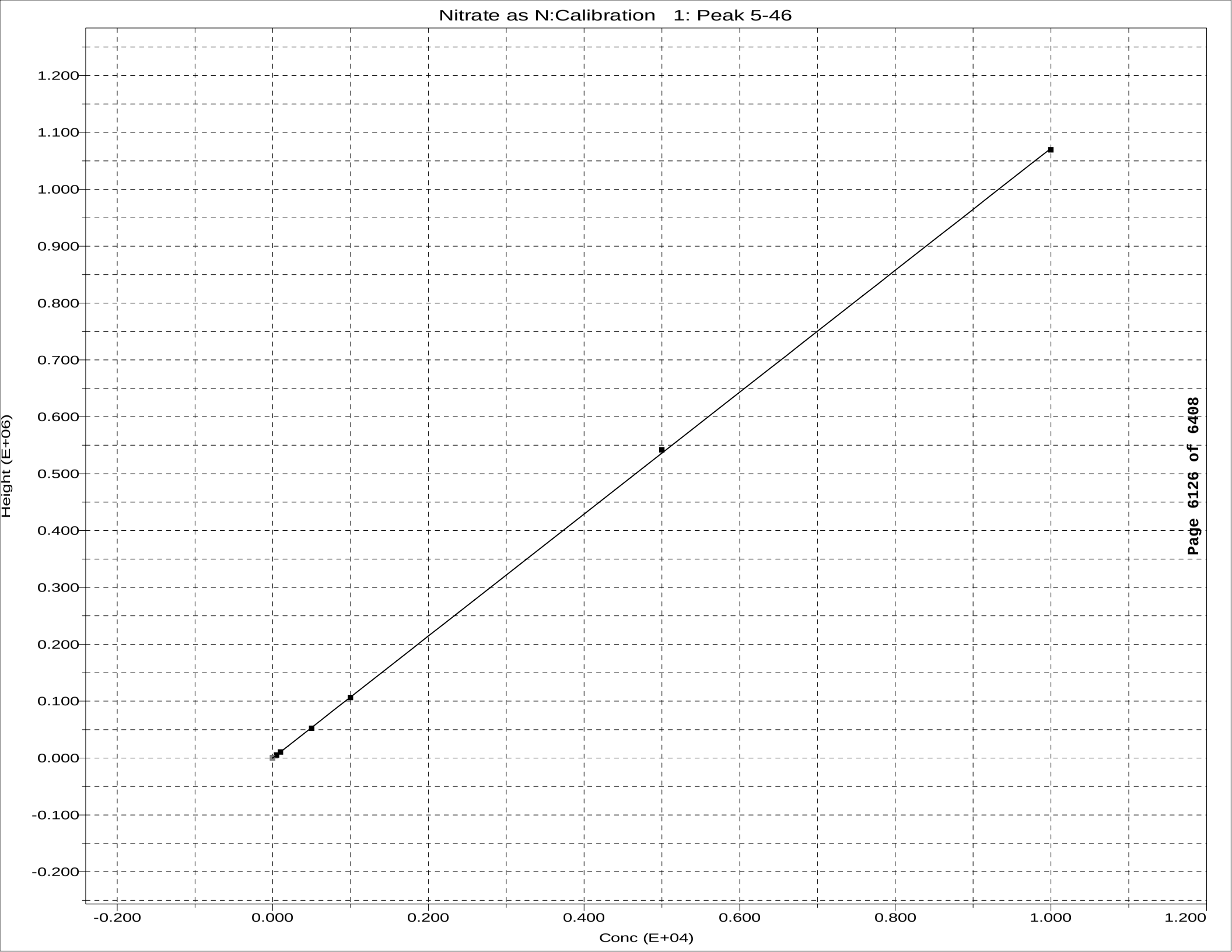
*	Name	Conc	Height
*	Cal 0.00 ppb	0.000000	352.808777
*	Cal 50.0 ppb	50.000000	5390.363770
*	Cal 100 ppb	100.000000	10510.757812
*	Cal 500 ppb	500.000000	52080.566406
*	Cal 1000 ppb	1000.000000	106413.187500
*	Cal 5000 ppb	5000.000000	541941.125000
*	Cal 10000 ppb	10000.000000	1069415.625000

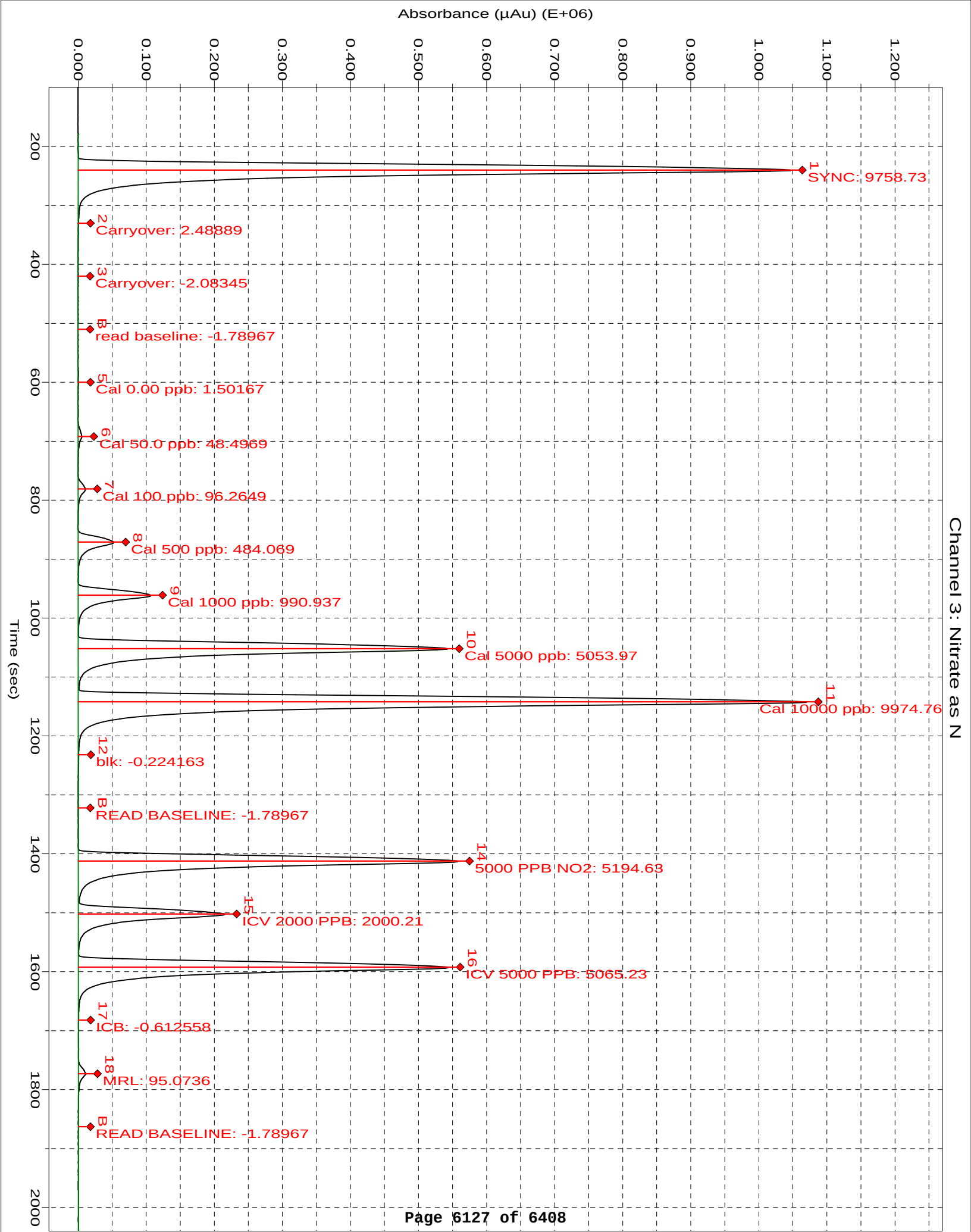
Calib Coef:
y=bx+a
a: (intercept) 1.9184e+02
b: 1.0719e+02

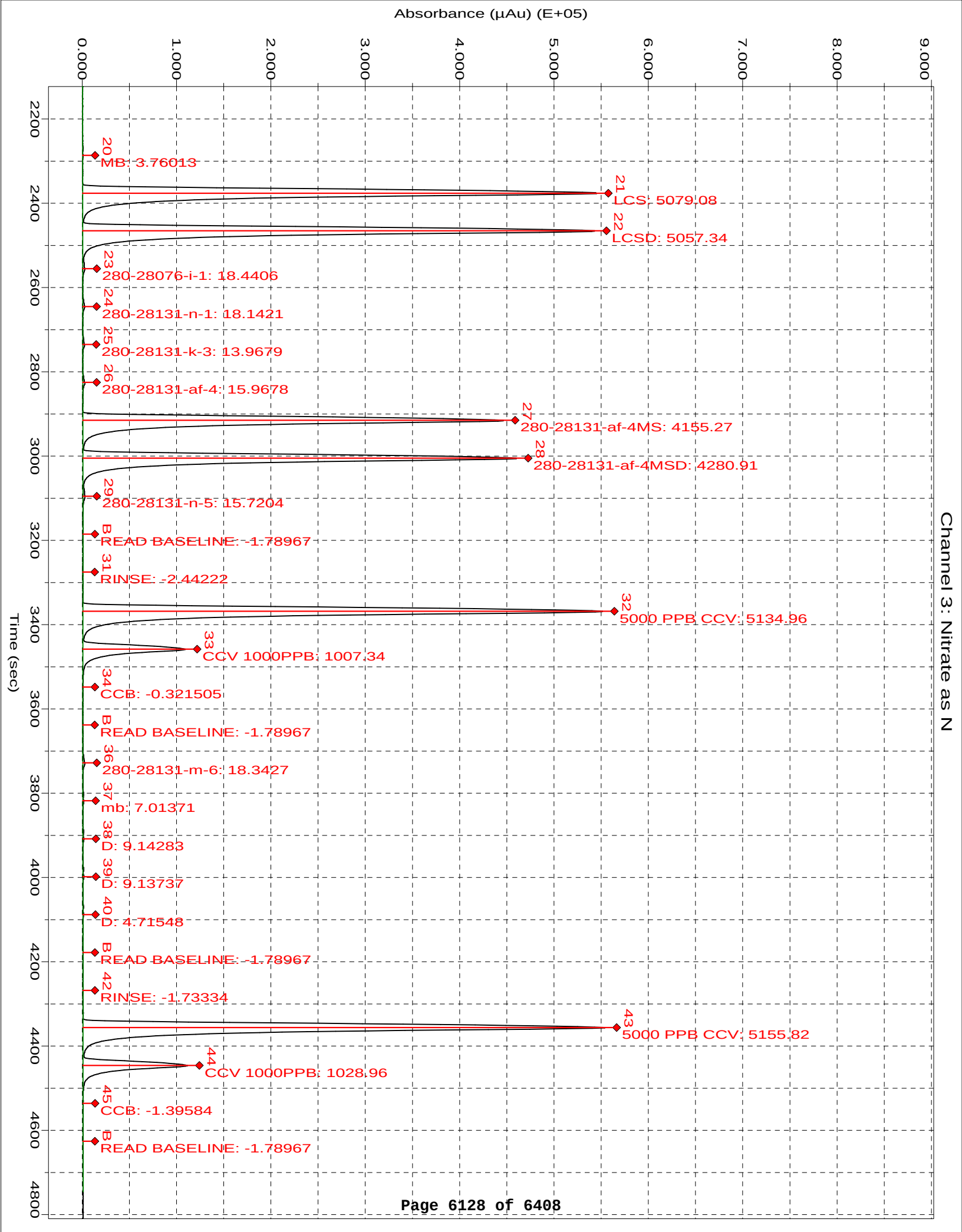
Corr Coef: 0.999977

Carryover: 0.0438%

No Drift Peaks


Nitrate as N:Calibration 1: Peak 5-46
1.200
1.100
1.000
0.900
0.800
0.700
0.600
0.500
0.400
0.300
0.200
0.100
0.000
-0.100
-0.200
Height (E+06)
-0.200
0.000
0.200
0.400
0.600
0.800
1.000
1.200
Conc (E+04)
Page 6126 of 6408


Absorbance (µAu) (E+06)
0.000
0.100
0.200
0.300
0.400
0.500
0.600
0.700
0.800
0.900
1.000
1.100
1.200
Time (sec)
200
400
600
800
1000
1200
1400
1600
1800
2000
Channel 3: Nitrate as N
1 SYNC: 9758.73
2 Carryover: 2.48389
3 Carryover: -2.08345
B read baseline: -1.78967
5 Cal 0.00 ppb: 1.50167
6 Cal 50.0 ppb: 48.4969
7 Cal 100 ppb: 96.2649
8 Cal 500 ppb: 484.069
9 Cal 1000 ppb: 990.937
10 Cal 5000 ppb: 5053.97
11 Cal 10000 ppb: 9974.76
12 blk: -0.224163
B READ BASELINE: -1.78967
14 5000 PPB NO2: 5194.63
15 ICV 2000 PPB: 2000.21
16 ICV 5000 PPB: 5065.23
17 ICB: -0.612558
18 MRL: 95.0736
B READ BASELINE: -1.78967


Absorbance (µAu) (E+05)
0.000
1.000
2.000
3.000
4.000
5.000
6.000
7.000
8.000
9.000
Time (sec)
2200
2400
2600
2800
3000
3200
3400
3600
3800
4000
4200
4400
4600
4800
Channel 3: Nitrate as N
20 MB: 3.76013
21 LCS: 5079.08
22 LCSD: 5057.34
23 280-28076-i-1: 18.4406
24 280-28131-n-1: 18.1421
25 280-28131-k-3: 13.9679
26 280-28131-af-4: 15.9678
27 280-28131-af-4MS: 4155.27
28 280-28131-af-4MSD: 4280.91
29 280-28131-n-5: 15.7204
B READ BASELINE: -1.78967
31 RINSE: -2.44222
32 5000 PPB CCV: 5134.96
33 CCV 1000PPB: 1007.34
34 CCB: -0.321505
B READ BASELINE: -1.78967
36 280-28131-m-6: 18.3427
37 mb: 7.01371
38 D: 9.14283
39 D: 9.13737
40 D: 4.71548
B READ BASELINE: -1.78967
42 RINSE: -1.73334
43 5000 PPB CCV: 5155.82
44 CCV 1000PPB: 1028.96
45 CCB: -1.39584
B READ BASELINE: -1.78967

Wet Chemistry Data Review Checklist
For Tests with Calibration Curves

Test Name/ Method #: LL-TPHOS/365.1 **SOP #** DV-WC-0078

Instrument: ASTORIA **Analyst:** MWOOLLEY **Analysis Date:** ~~4/10/2012~~ 5/10/12 5/10/12

Lot / Sample Numbers	Matrix	Prep Batch	Batch	Method	Special Inst
28131 1,3,4,4MS,4MSD 5,6	FILTRATE	119077	119330	365.1	YES

A. Calibration/Instrument Run QC	Yes	No	N/A	2nd Level
1. Minimum of five standards in ICAL or as specified in method?	✓			✓
2. Correlation coefficient ≥ 0.995 ?	✓			✓
3. Second-source ICV analyzed, and recovery within acceptance limits?	✓			✓
4. ICB analyzed immediately after the ICV & results < the RL	✓			✓
5. CCV analyzed after every ten samples & recovery within acceptance limits?	✓			✓
6. CCB analyzed after every CCV & results < RL?	✓			✓
7. Absolute value of the intercept is < ± ½ the RL?	✓			✓
B. Sample Results				
1. All samples greater than highest calibration standard diluted and reanalyzed?	✓			✓
2. Do associated RLs/MDLs reflect dilutions or limited sample volume?	✓			✓
3. All reported results bracketed by in control CCV results?	✓			✓
4. Sample analyses done within holding time?	✓			✓
5. Initial pH check documented for all samples? (If Applicable)	✓			✓
6. Preparation benchsheet completed and included in package?	✓			✓
7. Client requirements reviewed and met?	✓			✓
8. Were data manually transcribed from instrument printouts into TALS verified 100% including significant figures and correct units? (If Applicable)			✓	✓
9. Do the prep and analysis dates in TALS reflect the actual dates?	✓			✓
11. Raw data copies prepared, scanned, and uploaded?	✓			✓
12. Manual integrations done properly and initialed and dated?			✓	✓
13. STD/True Value information is updated and included?	✓			✓
C. Preparation/Matrix QC				
1. Method blank < RL or all reported samples > 10x blank have NCM?	✓			✓
2. Method blank < ½ RL or NCM provided?	✓			✓
3. LCS/LCSD run for batch and within QC limits?	✓			✓
4. MS/MSD run at required frequency and within limits or NCM written?	✓			✓
5. DUP run at required frequency and RPD within acceptance limits or NCM written?			✓	✓

Analyst: [signature] **Date:** 5/10/12

2nd Level Reviewer : _____ **Date:** _____

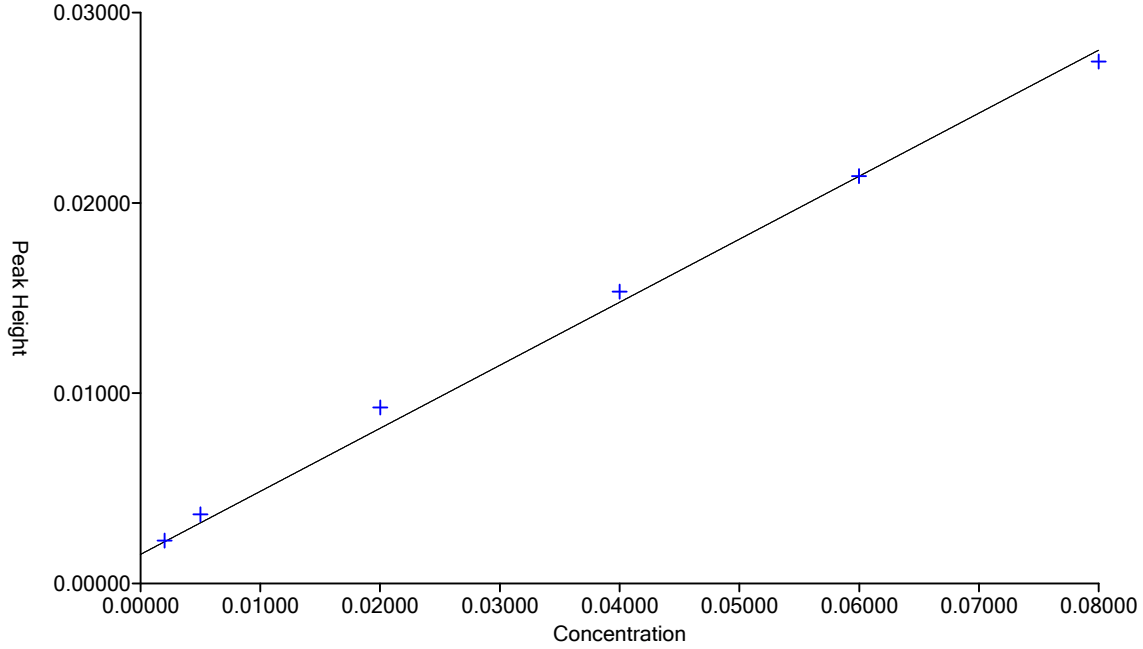
Run Name: 051012TPHOSA
Configuration: PHOSPHORUS
Run date: 5/10/2012

Analyst: Astoria
ICV/CCV TV: Phosphorus
LCS/MS TV: 365.1

Low level T-PHOS

	Position	Identifier	Type	Comm	Date	Time	Total	Raw Ht	mg/L
1	1:1	SYNC	SYNC	50;365	5/10/2012	4:39:46 P	1	0.02469	0.07465
2	1:2	CO	Carry over		5/10/2012	4:40:41 P	1	-0.00173	-0.00514
3	1:3	w	Blank		5/10/2012	4:43:01 P	1	-0.00165	-0.00489
4	1:4	W	Wash		5/10/2012	4:45:22 P	1	-0.00156	-0.00461
5	1:5	C1	Calibrant		5/10/2012	4:47:42 P	1	-0.00148	-0.00477
6	1:6	C2	Calibrant		5/10/2012	4:50:03 P	1	0.00096	0.00218
7	1:7	C3	Calibrant		5/10/2012	4:52:24 P	1	0.00248	0.00634
8	1:8	C4	Calibrant		5/10/2012	4:54:44 P	1	0.00823	0.02333
9	1:9	C5	Calibrant		5/10/2012	4:57:05 P	1	0.01445	0.04169
10	1:10	C6	Calibrant		5/10/2012	4:59:25 P	1	0.02066	0.06002
11	1:11	C7	Calibrant		5/10/2012	5:01:46 P	1	0.02682	0.07822
		Curve #:							1
		Curve Type:							Linear
		Correlation:							0.99649
		Intercept:							0.001526
		Linear coef:							0.3312

Calibration for Low level T-PHOS



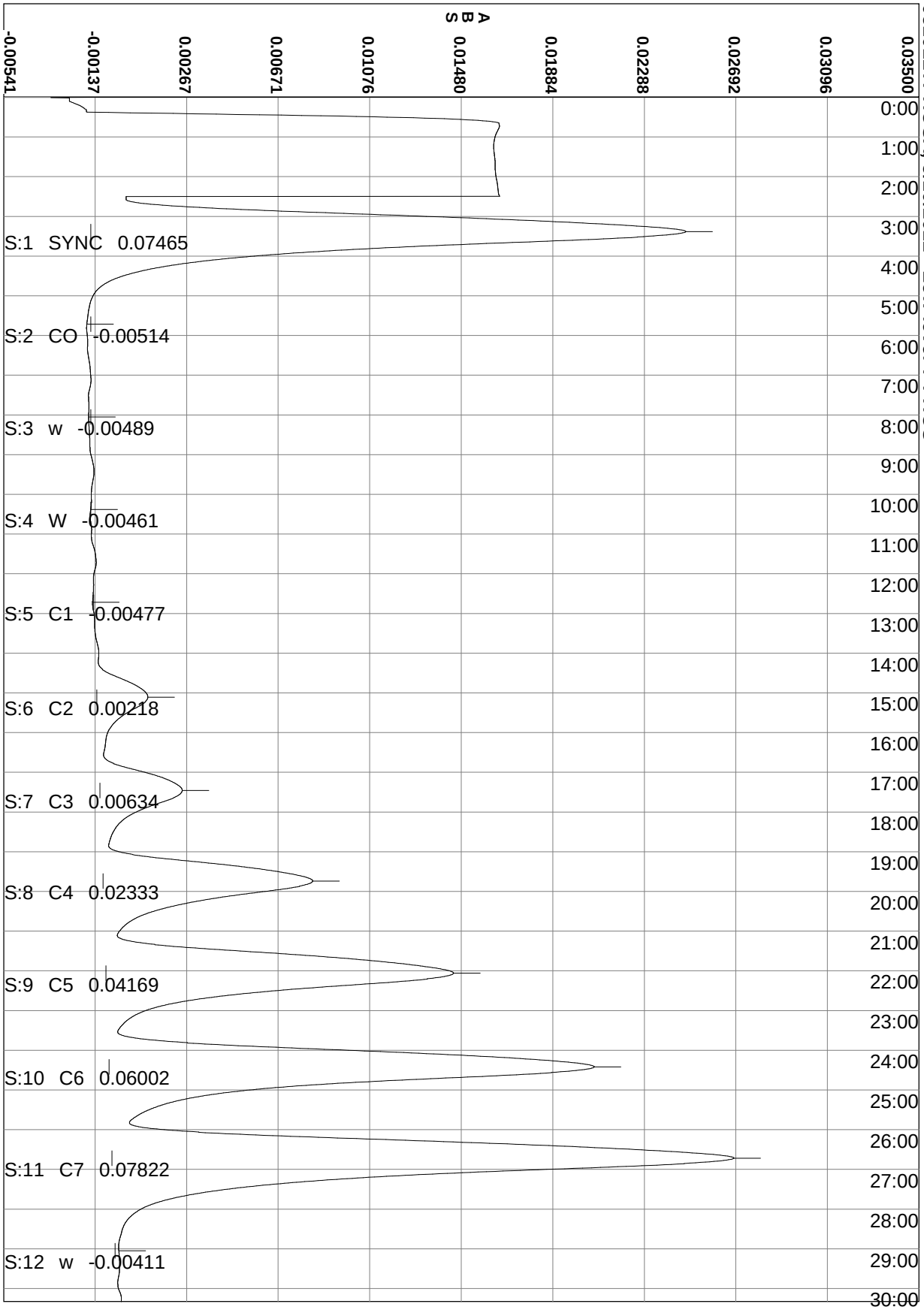
Segment 1: Equation: y = 0.3312x + 0.001526 X Range = 0.00000 to 0.08000
Correlation: 0.9965 Y Range = 0.00000 to 7.20000

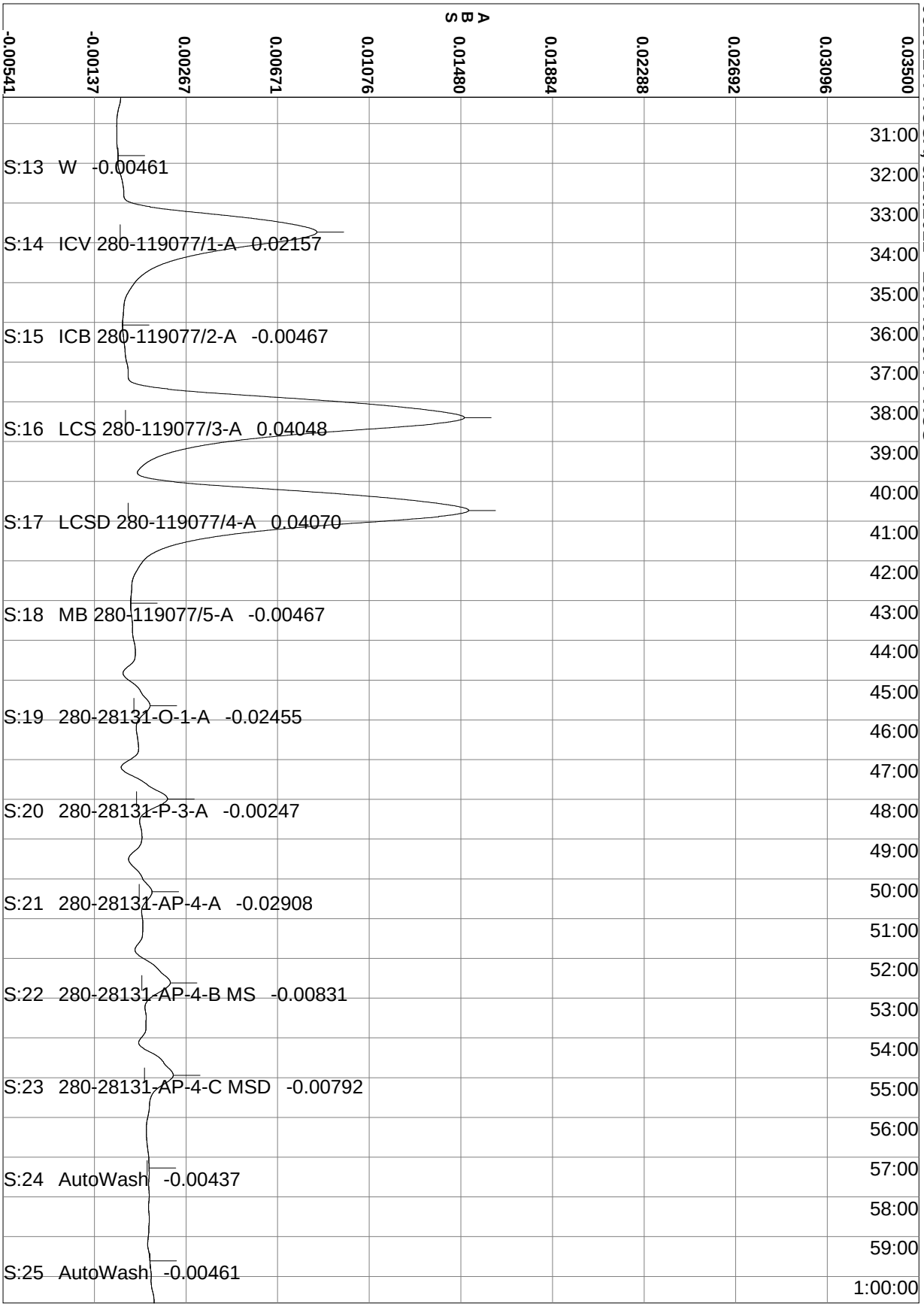
Low level T-PHOS

	Position	Identifier	Type	Comm	Date	Time	Total	Raw Ht	mg/L
12	1:12	w	Blank		5/10/2012	5:04:06 P	1	-0.00032	-0.00411
13	1:13	W	Wash		5/10/2012	5:06:27 P	1	-0.00032	-0.00461

								Low level T-PHOS	
	Position	Identifier	Type	Comm	Date	Time	Total	Raw Ht	mg/L
14	1:14	ICV 280-119077/1-A	Unknown		5/10/2012	5:08:48 F	1	0.00844	0.02157
15	1:15	ICB 280-119077/2-A	Unknown		5/10/2012	5:11:08 F	1	-0.00013	-0.00467
16	1:16	LCS 280-119077/3-A	Unknown		5/10/2012	5:13:29 F	1	0.01494	0.04048
17	1:17	LCSD 280-119077/4-A	Unknown		5/10/2012	5:15:49 F	1	0.01513	0.04070
18	1:18	MB 280-119077/5-A	Unknown		5/10/2012	5:18:10 F	1	0.00022	-0.00467
19	1:19	280-28131-O-1-A	Unknown		5/10/2012	5:20:30 F	10	0.00109	-0.02455
20	1:20	280-28131-P-3-A	Unknown		5/10/2012	5:22:51 F	5	0.00186	-0.00247
21	1:21	280-28131-AP-4-A	Unknown		5/10/2012	5:25:11 F	10	0.00118	-0.02908
22	1:22	280-28131-AP-4-B MS	Unknown		5/10/2012	5:27:32 F	10	0.00198	-0.00831
23	1:23	280-28131-AP-4-C MSI	Unknown		5/10/2012	5:29:53 F	10	0.00211	-0.00792
24	0	AutoWash	AutoWash		5/10/2012	5:32:13 F	1	0.00104	-0.00437
25	0	AutoWash	AutoWash		5/10/2012	5:34:34 F	1	0.00108	-0.00461
26	1:24	280-28131-P-5-A	Unknown		5/10/2012	5:36:54 F	10	0.00166	-0.03326
27	1:25	280-28131-P-6-A	Unknown		5/10/2012	5:39:15 F	1	0.05371	0.15348
28	1:26	CCV	CCV		5/10/2012	5:41:35 F	1	0.01528	0.03693
29	1:27	CCB	CCB		5/10/2012	5:43:56 F	1	0.00171	-0.00447
30	1:28	w	Blank		5/10/2012	5:46:17 F	1	0.00182	-0.00460
31	1:29	W	Wash		5/10/2012	5:48:37 F	1	0.00197	-0.00461
32	1:30	280-28131-O-1-A	Unknown		5/10/2012	5:50:58 F	2	0.01376	0.06127
33	1:31	280-28131-P-3-A	Unknown		5/10/2012	5:53:19 F	2	0.01851	0.08920
34	1:32	280-28131-AP-4-A	Unknown		5/10/2012	5:55:39 F	2	0.01332	0.05711
35	1:33	280-28131-AP-4-B MS	Unknown		5/10/2012	5:58:00 F	2	0.01382	0.05939
36	0	AutoWash	AutoWash		5/10/2012	6:00:21 F	1	0.00260	-0.00455
37	0	AutoWash	AutoWash		5/10/2012	6:02:41 F	1	0.00270	-0.00461
38	1:34	280-28131-AP-4-C MSI	Unknown		5/10/2012	6:05:02 F	2	0.01375	0.05676
39	1:35	280-28131-P-5-A	Unknown		5/10/2012	6:07:22 F	2	0.00394	-0.00331
40	1:36	280-28131-P-6-A	Unknown		5/10/2012	6:09:43 F	2	0.00302	-0.00987
41	1:37	CCV	CCV		5/10/2012	6:12:03 F	1	0.01775	0.03903
42	1:38	CCB	CCB		5/10/2012	6:14:24 F	1	0.00342	-0.00460
43	1:39	W	Wash		5/10/2012	6:16:45 F	1	0.00354	-0.00461
44	1:40	w	Blank		5/10/2012	6:19:05 F	1	0.00364	-0.00467
45	1:41	LCS 280-119081/1-A	Unknown		5/10/2012	6:21:26 F	1	0.01907	0.04151
46	1:42	LCSD 280-119081/2-A	Unknown		5/10/2012	6:23:46 F	1	0.01924	0.04166
47	1:43	MB 280-119081/3-A	Unknown		5/10/2012	6:26:07 F	1	0.00411	-0.00443
48	0	AutoWash	AutoWash		5/10/2012	6:28:27 F	1	0.00413	-0.00473
49	0	AutoWash	AutoWash		5/10/2012	6:30:48 F	1	0.00430	-0.00461
50	1:44	280-28131-P-1-A	Unknown		5/10/2012	6:33:09 F	2	0.01784	0.07254
51	1:45	280-28131-P-1-A	Unknown		5/10/2012	6:35:29 F	5	0.01070	0.07347
52	1:46	280-28131-O-3-A	Unknown		5/10/2012	6:37:50 F	2	0.02068	0.08970
53	1:47	280-28131-AO-4-A	Unknown		5/10/2012	6:40:10 F	2	0.01925	0.08104
54	1:48	280-28131-AO-4-B MS	Unknown		5/10/2012	6:42:31 F	2	0.01964	0.08338
55	1:49	280-28131-AO-4-C MS	Unknown		5/10/2012	6:44:52 F	2	0.00762	0.01082
56	1:50	280-28131-O-5-A	Unknown		5/10/2012	6:47:12 F	2	???	???
57	1:51	280-28131-O-6-A	Unknown		5/10/2012	6:49:33 F	2	???	???
58	1:52	CCV	CCV		5/10/2012	6:51:53 F	1	???	???

								Low level T-PHOS	
	Position	Identifier	Type	Comm	Date	Time	Total	Raw Ht	mg/L
59	1:53	CCB	CCB		N/A	N/A	1	???	???
60	0	AutoWash	AutoWash		N/A	N/A	1	???	???
61	0	AutoWash	AutoWash		N/A	N/A	1	???	???
62	1:54	280-28076-N-1-A	Unknown		N/A	N/A	2	???	???
63	1:55	280-28076-O-1-A	Unknown		N/A	N/A	2	???	???
64	1:56	w	Blank		N/A	N/A	1	???	???
65	1:57	w	Blank		N/A	N/A	1	???	???
66	1:58	w	Blank		N/A	N/A	1	???	???
67	1:59	w	Blank		N/A	N/A	1	???	???
68	1:60	w	Blank		N/A	N/A	1	???	???
69	2:1	w	Blank		N/A	N/A	1	???	???
70	2:2	w	Blank		N/A	N/A	1	???	???
71	2:3	w	Blank		N/A	N/A	1	???	???
72	0	AutoWash	AutoWash		N/A	N/A	1	???	???
73	0	AutoWash	AutoWash		N/A	N/A	1	???	???


051012TPHOSA, 5/10/2012 - Low level T-PHOS
ABS
-0.00541
-0.00137
0.00267
0.00671
0.01076
0.01480
0.01884
0.02288
0.02692
0.03096
0.03500
0:00
1:00
2:00
3:00
4:00
5:00
6:00
7:00
8:00
9:00
10:00
11:00
12:00
13:00
14:00
15:00
16:00
17:00
18:00
19:00
20:00
21:00
22:00
23:00
24:00
25:00
26:00
27:00
28:00
29:00
30:00
S:1 SYNC 0.07465
S:2 CO -0.00514
S:3 w -0.00489
S:4 W -0.00461
S:5 C1 -0.00477
S:6 C2 0.00218
S:7 C3 0.00634
S:8 C4 0.02333
S:9 C5 0.04169
S:10 C6 0.06002
S:11 C7 0.07822
S:12 w -0.00411


051012TPHOSA, 5/10/2012 - Low level T-PHOS
ABS
-0.00541
-0.00137
0.00267
0.00671
0.01076
0.01480
0.01884
0.02288
0.02692
0.03096
0.03500
S:13 W -0.00461
S:14 ICV 280-119077/1-A 0.02157
S:15 ICB 280-119077/2-A -0.00467
S:16 LCS 280-119077/3-A 0.04048
S:17 LCSD 280-119077/4-A 0.04070
S:18 MB 280-119077/5-A -0.00467
S:19 280-28131-O-1-A -0.02455
S:20 280-28131-P-3-A -0.00247
S:21 280-28131-AP-4-A -0.02908
S:22 280-28131-AP-4-B MS -0.00831
S:23 280-28131-AP-4-C MSD -0.00792
S:24 AutoWash -0.00437
S:25 AutoWash -0.00461
31:00
32:00
33:00
34:00
35:00
36:00
37:00
38:00
39:00
40:00
41:00
42:00
43:00
44:00
45:00
46:00
47:00
48:00
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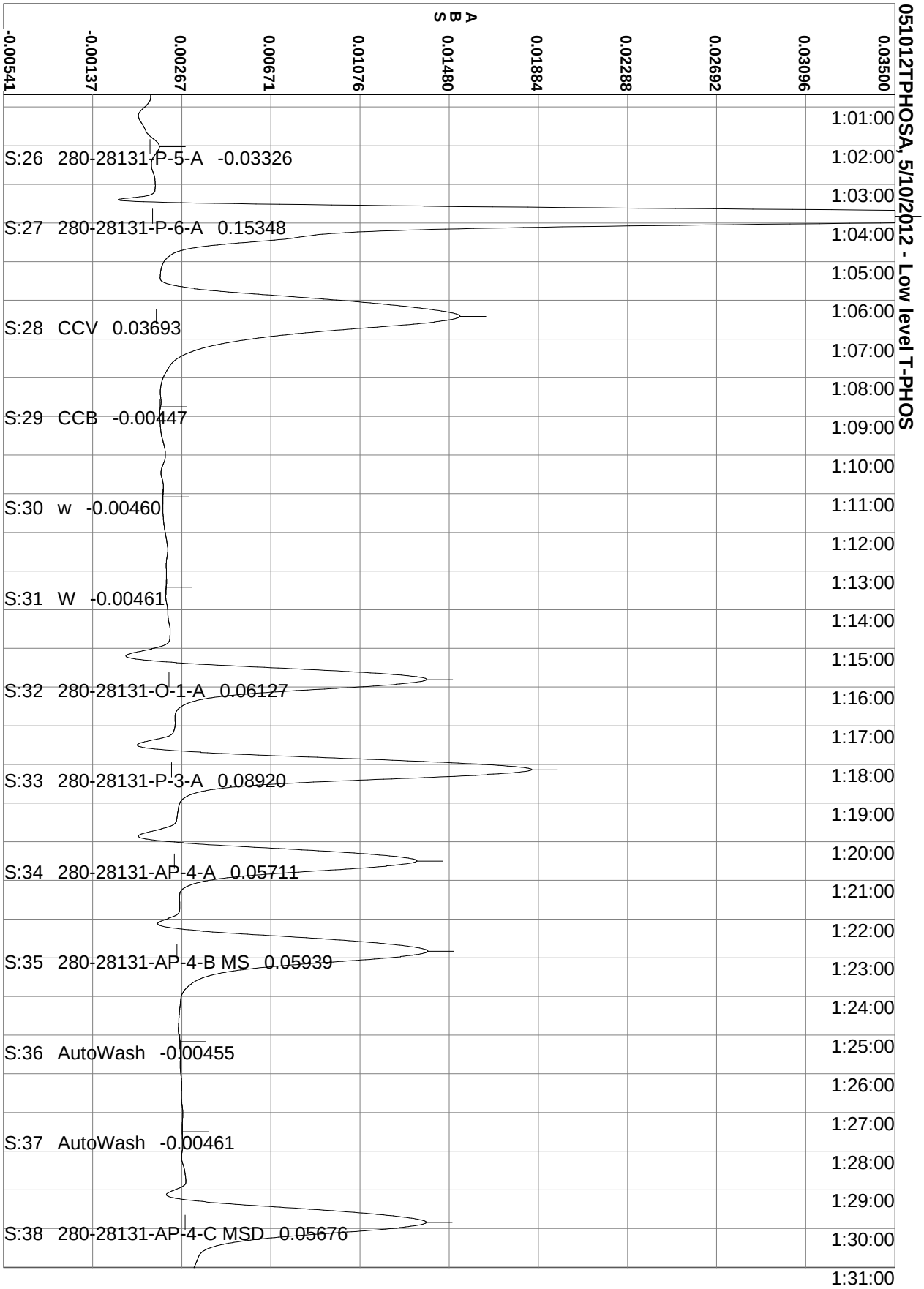
58:00
59:00
1:00:00


051012TPHOSA, 5/10/2012 - Low level T-PHOS
ABS
-0.00541
-0.00137
0.00267
0.00671
0.01076
0.01480
0.01884
0.02288
0.02692
0.03096
0.03500
S:26 280-28131-P-5-A -0.03326
S:27 280-28131-P-6-A 0.15348
S:28 CCV 0.03693
S:29 CCB -0.00447
S:30 w -0.00460
S:31 W -0.00461
S:32 280-28131-O-1-A 0.06127
S:33 280-28131-P-3-A 0.08920
S:34 280-28131-AP-4-A 0.05711
S:35 280-28131-AP-4-B MS 0.05939
S:36 AutoWash -0.00455
S:37 AutoWash -0.00461
S:38 280-28131-AP-4-C MSD 0.05676
1:01:00
1:02:00
1:03:00
1:04:00
1:05:00
1:06:00
1:07:00
1:08:00
1:09:00
1:10:00
1:11:00
1:12:00
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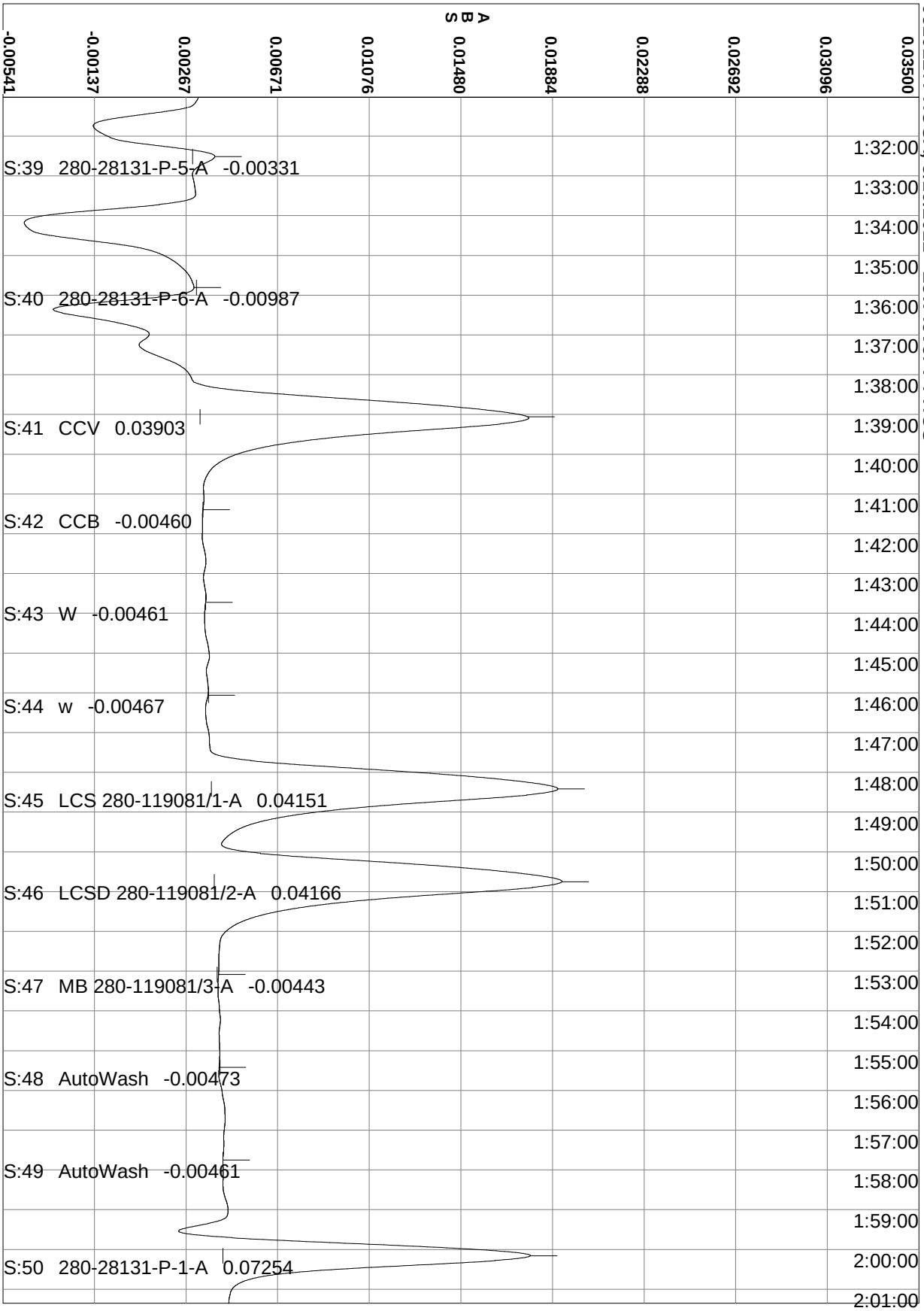
1:31:00


051012TPHOSA, 5/10/2012 - Low level T-PHOS
ABS
-0.00541
-0.00137
0.00267
0.00671
0.01076
0.01480
0.01884
0.02288
0.02692
0.03096
0.03500
S:39 280-28131-P-5-A -0.00331
S:40 280-28131-P-6-A -0.00987
S:41 CCV 0.03903
S:42 CCB -0.00460
S:43 W -0.00461
S:44 w -0.00467
S:45 LCS 280-119081/1-A 0.04151
S:46 LCSD 280-119081/2-A 0.04166
S:47 MB 280-119081/3-A -0.00443
S:48 AutoWash -0.00473
S:49 AutoWash -0.00461
S:50 280-28131-P-1-A 0.07254
1:32:00
1:33:00
1:34:00
1:35:00
1:36:00
1:37:00
1:38:00
1:39:00
1:40:00
1:41:00
1:42:00
1:43:00
1:44:00
1:45:00
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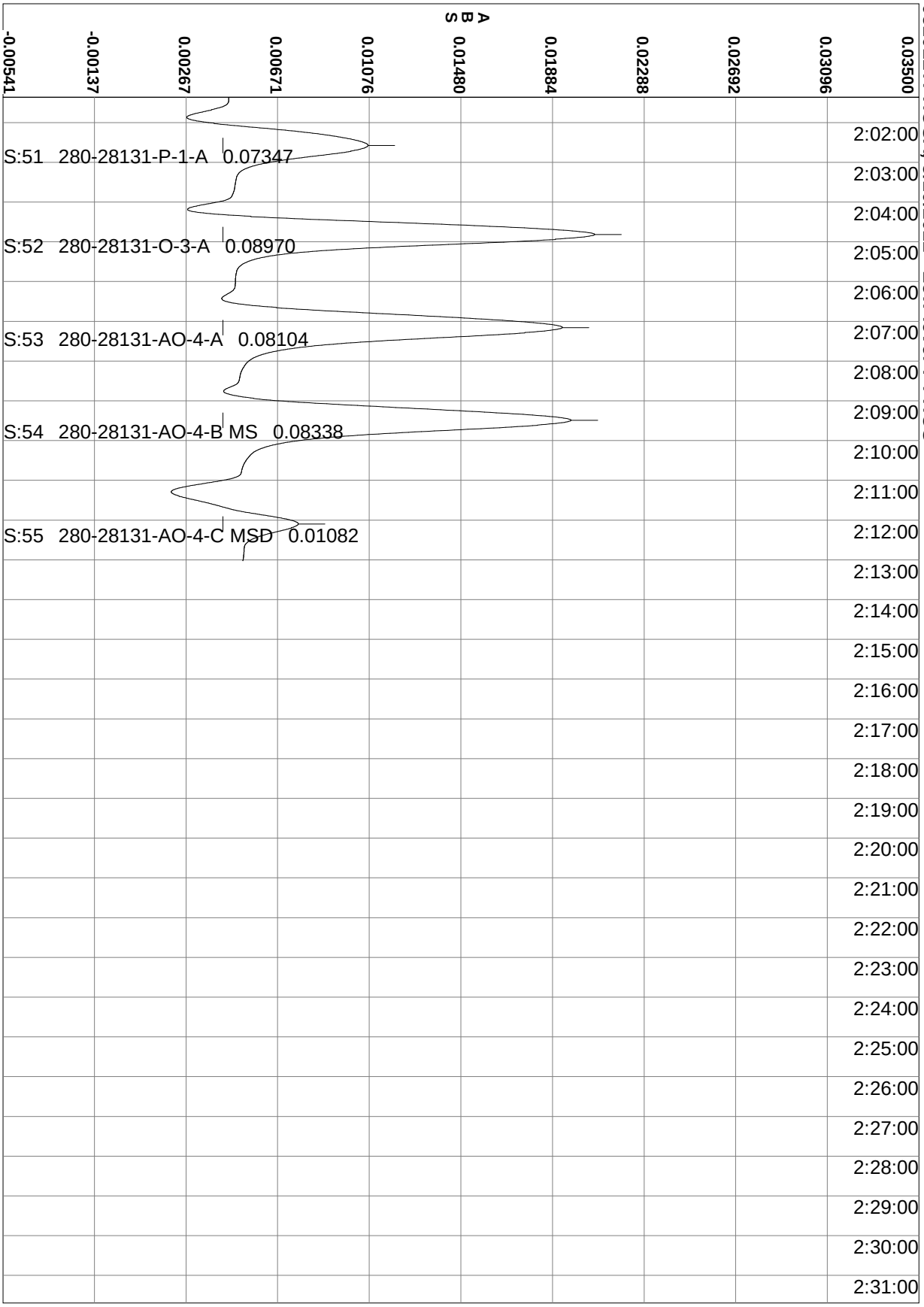
2:00:00
2:01:00


051012TPHOSA, 5/10/2012 - Low level T-PHOS
ABS
-0.00541
-0.00137
0.00267
0.00671
0.01076
0.01480
0.01884
0.02288
0.02692
0.03096
0.03500
S:51 280-28131-P-1-A 0.07347
S:52 280-28131-O-3-A 0.08970
S:53 280-28131-AO-4-A 0.08104
S:54 280-28131-AO-4-B MS 0.08338
S:55 280-28131-AO-4-C MSD 0.01082
2:02:00
2:03:00
2:04:00
2:05:00
2:06:00
2:07:00
2:08:00
2:09:00
2:10:00
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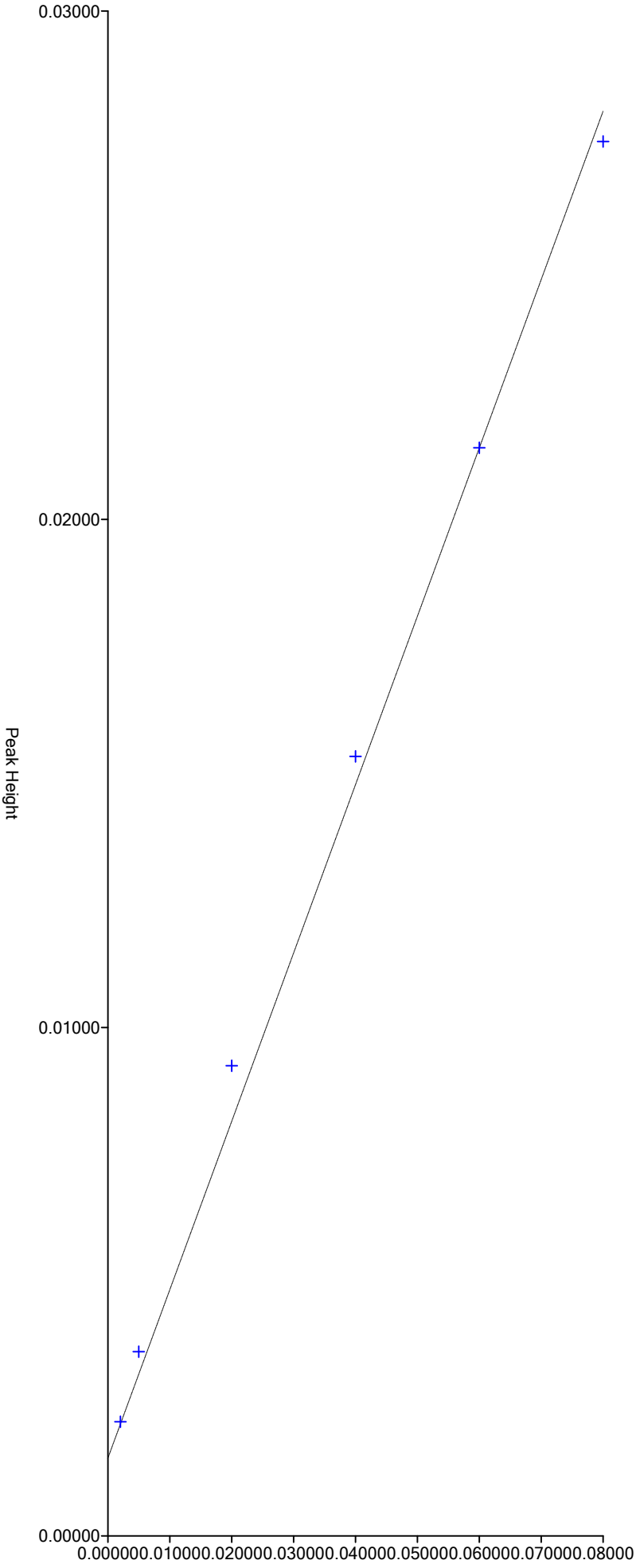
2:30:00
2:31:00

Calibration for Low level T-PHOS



Segment 1: Equation: y = 0.3312x + 0.001526
Correlation: 0.9965
X Range = 0.00000 to 0.08000
Y Range = 0.00000 to 7.20000

Wet Chemistry Data Review Checklist
For Tests with Calibration Curves

Test Name/ Method #: LL-TPHOS/365.1 **SOP #** DV-WC-0078

Instrument: _____ **Analyst:** _____ **Analysis Date:** 5/11/2012

Lot / Sample Numbers	Matrix	Prep Batch	Batch	Method	Special Inst
28131 1,3,4,4MS,4MSD, 5,6	WATER	119081	119513	365.1	YES
28076-1	↓	↓	↓	↓	↓
28076-1	FILTRATE	119077	↓	↓	↓

A. Calibration/Instrument Run QC	Yes	No	N/A	2nd Level
1. Minimum of five standards in ICAL or as specified in method?	/			—
2. Correlation coefficient ≥ 0.995 ?	/			—
3. Second-source ICV analyzed, and recovery within acceptance limits?	/			—
4. ICB analyzed immediately after the ICV & results < the RL	/			—
5. CCV analyzed after every ten samples & recovery within acceptance limits?	/			—
6. CCB analyzed after every CCV & results < RL?	/			—
7. Absolute value of the intercept is < ± ½ the RL?	/			—
B. Sample Results				
1. All samples greater than highest calibration standard diluted and reanalyzed?	/			—
2. Do associated RLs/MDLs reflect dilutions or limited sample volume?	/			—
3. All reported results bracketed by in control CCV results?	/			—
4. Sample analyses done within holding time?	/			—
5. Initial pH check documented for all samples? (If Applicable)	/			—
6. Preparation benchsheet completed and included in package?	/			—
7. Client requirements reviewed and met?	/			—
8. Were data manually transcribed from instrument printouts into TALS verified 100% including significant figures and correct units? (If Applicable)			/	—
9. Do the prep and analysis dates in TALS reflect the actual dates?	/			—
11. Raw data copies prepared, scanned, and uploaded?	/			—
12. Manual integrations done properly and initialed and dated?			/	—
13. STD/True Value information is updated and included?	/			—
C. Preparation/Matrix QC				
1. Method blank < RL or all reported samples > 10x blank have NCM?	/			—
2. Method blank < ½ RL or NCM provided?	/			—
3. LCS/LCSD run for batch and within QC limits?	/			—
4. MS/MSD run at required frequency and within limits or NCM written?	/			—
5. DUP run at required frequency and RPD within acceptance limits or NCM written?			/	—

Analyst: _____ **Date:** 5/12/2012

2nd Level Reviewer : _____ **Date:** 5/14/12

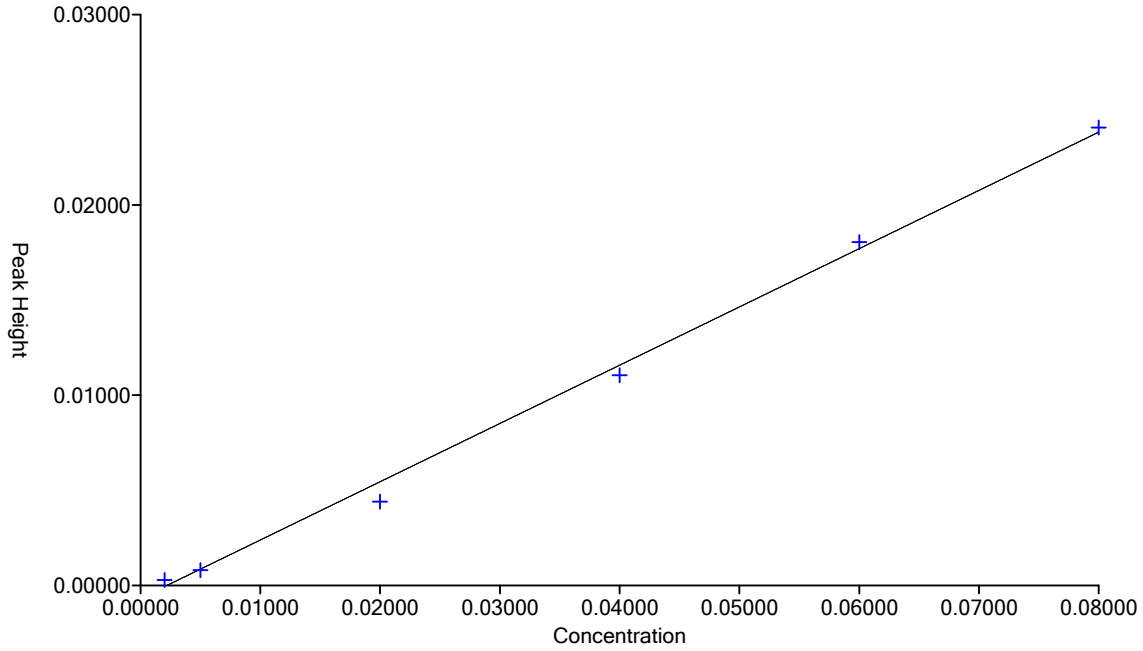
Run Name: 051112OPHOS
Configuration: PHOSPHORUS
Run date: 5/11/2012

Analyst: Astoria
ICV/CCV TV: Phosphorus
LCS/MS TV: 365.1

Low level T-PHOS

	Position	Identifier	Type	Comme	Date	Time	Total	Cor Ht	mg/L
1	1:1	SYNC	SYNC	50;365.1	5/11/2012	2:47:56 P	1	0.02365	0.07946
2	1:2	CO	Carry over		5/11/2012	2:48:52 P	1	-0.00016	0.00167
3	1:3	w	Blank		5/11/2012	2:51:12 P	1	-0.00010	0.00189
4	1:4	W	Wash		5/11/2012	2:53:33 P	1	0.00000	0.00221
5	1:5	C1	Calibrant		5/11/2012	2:55:53 P	1	-0.00002	0.00215
6	1:6	C2	Calibrant		5/11/2012	2:58:14 P	1	0.00029	0.00316
7	1:7	C3	Calibrant		5/11/2012	3:00:35 P	1	0.00081	0.00484
8	1:8	C4	Calibrant		5/11/2012	3:02:55 P	1	0.00441	0.01659
9	1:9	C5	Calibrant		5/11/2012	3:05:16 P	1	0.01104	0.03828
10	1:10	C6	Calibrant		5/11/2012	3:07:36 P	1	0.01805	0.06116
11	1:11	C7	Calibrant		5/11/2012	3:09:57 P	1	0.02407	0.08083
		Curve #:							1
		Curve Type:							Linear
		Correlation:							0.99809
		Intercept:							-0.0006752
		Linear coef:							0.3062

Calibration for Low level T-PHOS

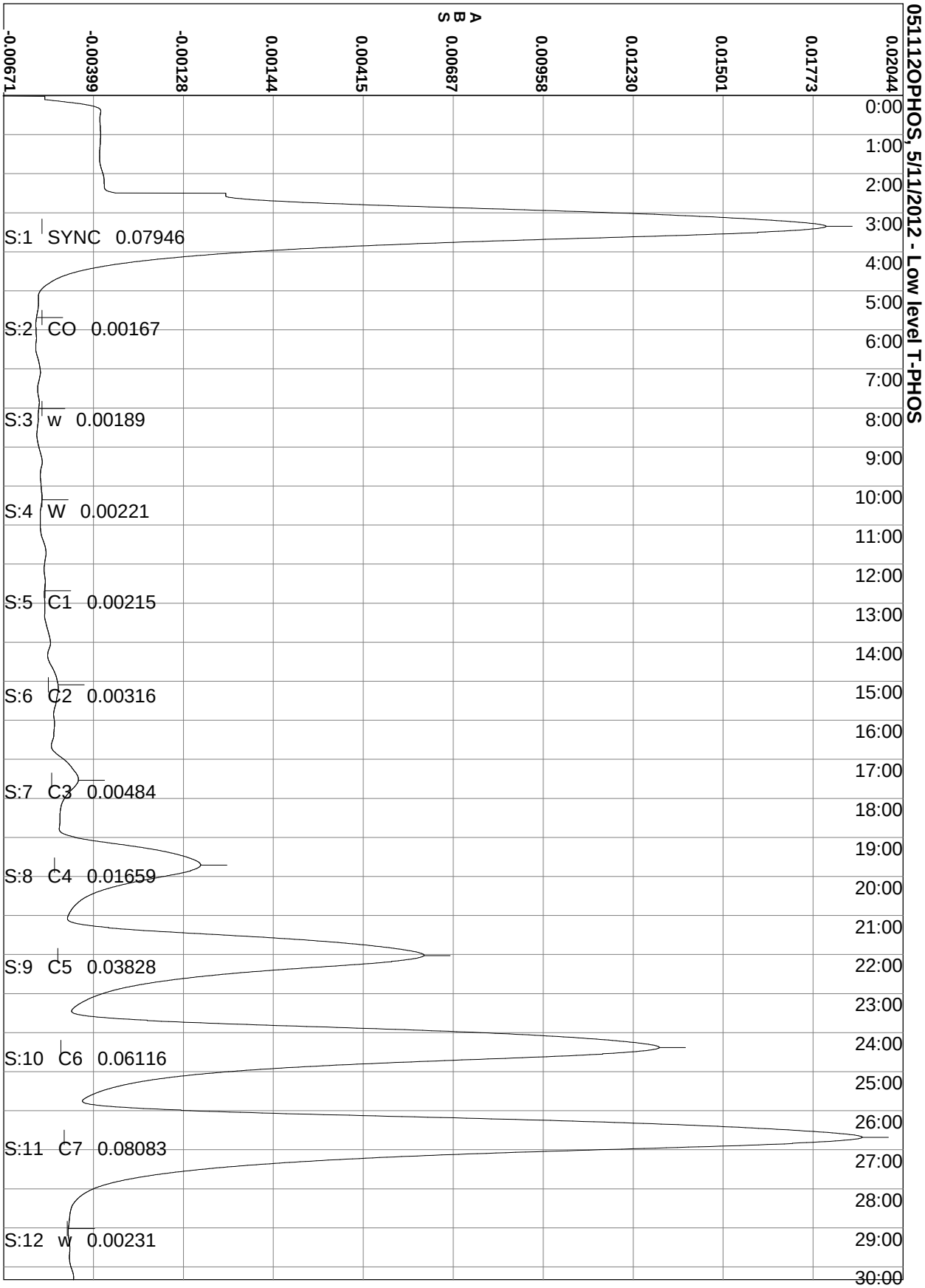


Segment 1: Equation: y = 0.3062x + -0.0006752 X Range = 0.00000 to 0.08000
Correlation: 0.9981 Y Range = 0.00000 to 7.20000

Low level T-PHOS

	Position	Identifier	Type	Comme	Date	Time	Total	Cor Ht	mg/L
12	1:12	w	Blank		5/11/2012	3:12:17 P	1	0.00003	0.00231
13	1:13	W	Wash		5/11/2012	3:14:38 P	1	0.00000	0.00221

	Position	Identifier	Type	Comme	Date	Time	Total	Low level T-PHOS Cor Ht	mg/L
14	1:14	ICV 280-119077/1-A	Unknown		5/11/2012	3:16:59 P	1	0.00515	0.01901
15	1:15	ICB 280-119077/2-A	Unknown		5/11/2012	3:19:19 P	1	0.00003	0.00230
16	1:16	LCS 280-119081/1-A	Unknown		5/11/2012	3:21:40 P	1	0.01121	0.03882
17	1:17	LCSD 280-119081/2-A	Unknown		5/11/2012	3:24:00 P	1	0.01127	0.03902
18	1:18	MB 280-119081/3-A	Unknown		5/11/2012	3:26:21 P	1	0.00004	0.00233
19	1:19	280-28131-P-1-A	Unknown		5/11/2012	3:28:41 P	2	0.01225	0.08441
20	1:20	280-28131-O-3-A	Unknown		5/11/2012	3:31:02 P	2	0.01429	0.09778
21	1:21	280-28131-AO-4-A	Unknown		5/11/2012	3:33:23 P	2	0.01492	0.10187
22	1:22	280-28131-AO-4-B MS	Unknown		5/11/2012	3:35:43 P	2	0.01556	0.10603
23	1:23	280-28131-AO-4-C MSI	Unknown		5/11/2012	3:38:04 P	2	0.01569	0.10690
24	0	AutoWash	AutoWash		5/11/2012	3:40:24 P	1	-0.00002	0.00214
25	0	AutoWash	AutoWash		5/11/2012	3:42:45 P	1	0.00000	0.00221
26	1:24	280-28131-O-5-A	Unknown		5/11/2012	3:45:05 P	2	0.00289	0.02330
27	1:25	280-28131-O-6-A	Unknown		5/11/2012	3:47:26 P	2	0.00311	0.02474
28	1:26	CCV	CCV		5/11/2012	3:49:47 P	1	0.01123	0.03887
29	1:27	CCB	CCB		5/11/2012	3:52:07 P	1	0.00010	0.00254
30	1:28	280-28076-N-1-A	Unknown		5/11/2012	3:54:29 P	2	0.00896	0.06297
31	1:29	280-28076-O-1-A	Unknown		5/11/2012	3:56:49 P	2	0.00920	0.06453
32	1:30	w	Blank		5/11/2012	3:59:10 P	1	0.00019	0.00283
33	1:31	CCV	CCV		5/11/2012	4:01:30 P	1	0.01121	0.03882
34	1:32	CCB	CCB		5/11/2012	4:03:51 P	1	0.00010	0.00255
35	1:33	W	Wash		5/11/2012	4:06:12 P	1	0.00000	0.00221
36	0	AutoWash	AutoWash		5/11/2012	4:08:32 P	1	???	???
37	0	AutoWash	AutoWash		5/11/2012	4:10:53 P	1	???	???
38	1:34	w	Blank		N/A	N/A	1	???	???
39	1:35	w	Blank		N/A	N/A	1	???	???
40	0	AutoWash	AutoWash		N/A	N/A	1	???	???
41	0	AutoWash	AutoWash		N/A	N/A	1	???	???


051112OPHOS, 5/11/2012 - Low level T-PHOS
ABS
-0.00671
-0.00399
-0.00128
0.00144
0.00415
0.00687
0.00958
0.01230
0.01501
0.01773
0.02044
0:00
1:00
2:00
3:00
4:00
5:00
6:00
7:00
8:00
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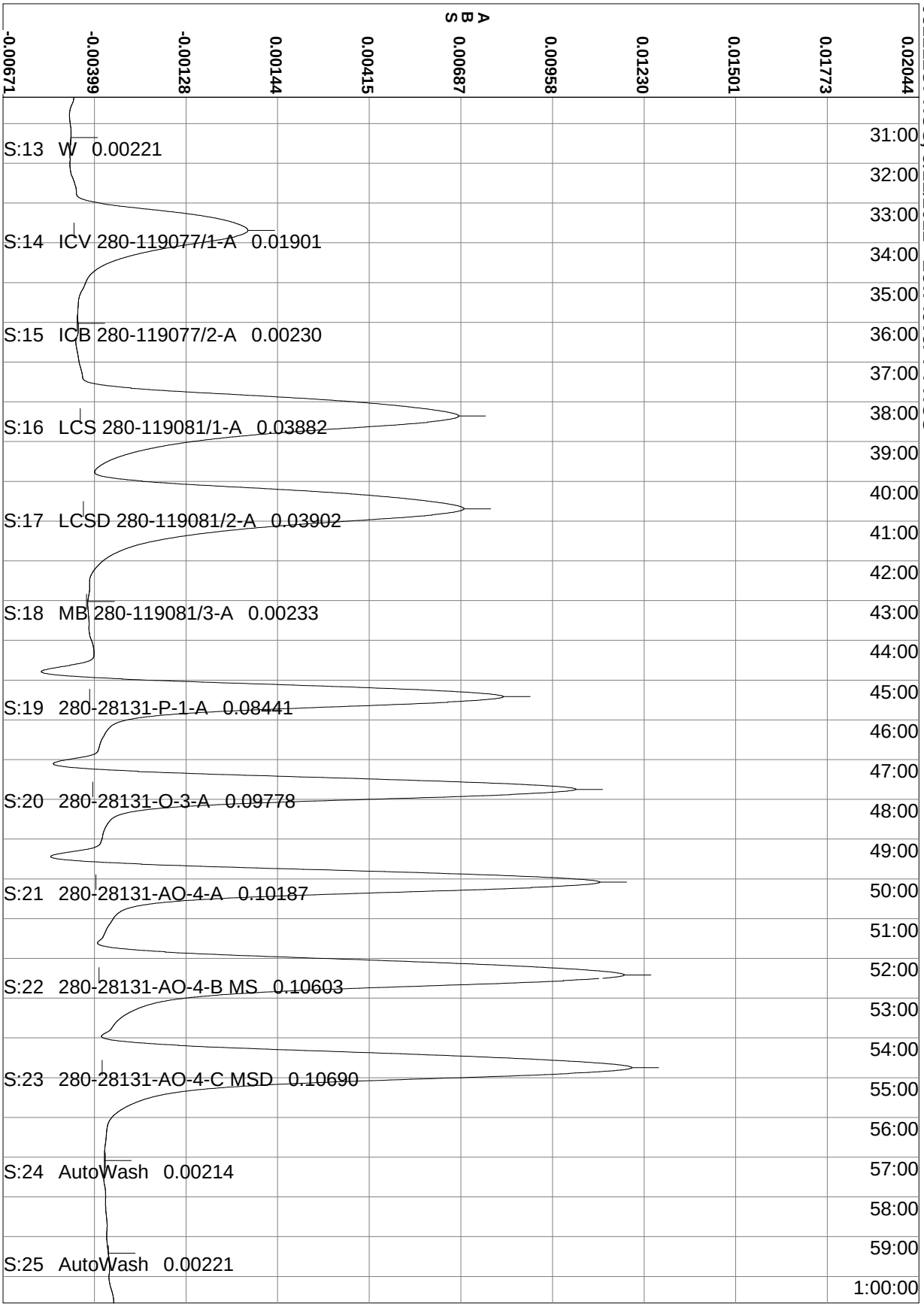
21:00
22:00
23:00
24:00
25:00
26:00
27:00
28:00
29:00
30:00
S:1 SYNC 0.07946
S:2 CO 0.00167
S:3 w 0.00189
S:4 W 0.00221
S:5 C1 0.00215
S:6 C2 0.00316
S:7 C3 0.00484
S:8 C4 0.01659
S:9 C5 0.03828
S:10 C6 0.06116
S:11 C7 0.08083
S:12 w 0.00231


051112OPHOS, 5/11/2012 - Low level T-PHOS
ABS
-0.00671
-0.00399
-0.00128
0.00144
0.00415
0.00687
0.00958
0.01230
0.01501
0.01773
0.02044
S:13 W 0.00221
S:14 ICV 280-119077/1-A 0.01901
S:15 ICB 280-119077/2-A 0.00230
S:16 LCS 280-119081/1-A 0.03882
S:17 LCSD 280-119081/2-A 0.03902
S:18 MB 280-119081/3-A 0.00233
S:19 280-28131-P-1-A 0.08441
S:20 280-28131-O-3-A 0.09778
S:21 280-28131-AO-4-A 0.10187
S:22 280-28131-AO-4-B MS 0.10603
S:23 280-28131-AO-4-C MSD 0.10690
S:24 AutoWash 0.00214
S:25 AutoWash 0.00221
31:00
32:00
33:00
34:00
35:00
36:00
37:00
38:00
39:00
40:00
41:00
42:00
43:00
44:00
45:00
46:00
47:00
48:00
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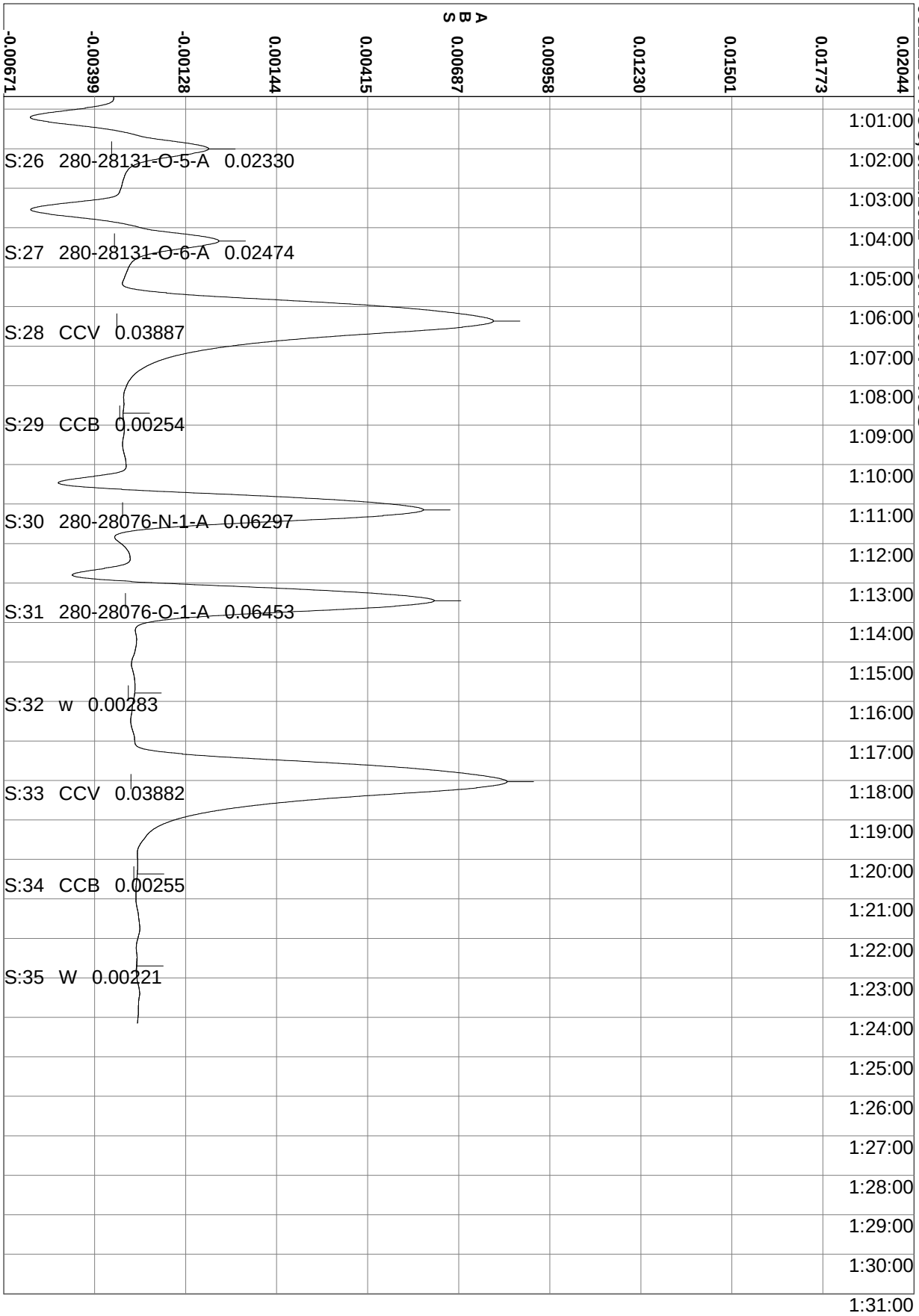
58:00
59:00
1:00:00


051112OPHOS, 5/11/2012 - Low level T-PHOS
ABS
-0.00671
-0.00399
-0.00128
0.00144
0.00415
0.00687
0.00958
0.01230
0.01501
0.01773
0.02044
S:26 280-28131-O-5-A 0.02330
S:27 280-28131-O-6-A 0.02474
S:28 CCV 0.03887
S:29 CCB 0.00254
S:30 280-28076-N-1-A 0.06297
S:31 280-28076-O-1-A 0.06453
S:32 w 0.00283
S:33 CCV 0.03882
S:34 CCB 0.00255
S:35 W 0.00221
1:01:00
1:02:00
1:03:00
1:04:00
1:05:00
1:06:00
1:07:00
1:08:00
1:09:00
1:10:00
1:11:00
1:12:00
1:13:00
1:14:00
1:15:00
1:16:00
1:17:00
1:18:00
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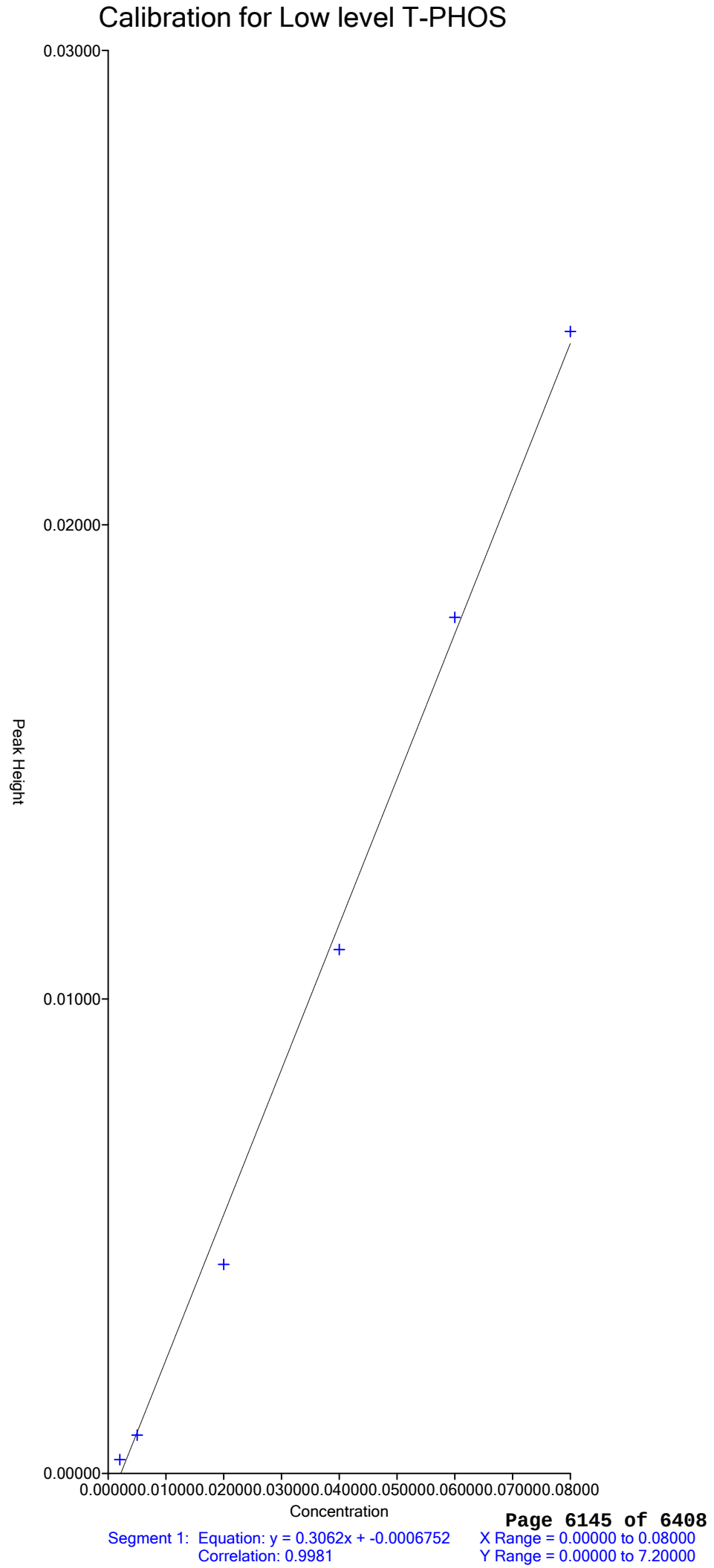
1:30:00
1:31:00



Segment 1: Equation: y = 0.3062x + -0.0006752
Correlation: 0.9981
X Range = 0.00000 to 0.08000
Y Range = 0.00000 to 7.20000

Wet Chemistry Data Review Checklist
For Tests with Calibration Curves

Test Name/ Method #: IC SOP # WC # 0020

Instrument: IC6 Analyst: F. Ulloa Analysis Date: 05-01-12

Lot / Sample Numbers	Matrix	Prep Batch	Batch	Method	Special Inst
280-27933, 28076, 28131	Aq		117895		

A. Calibration/Instrument Run QC	Yes	No	N/A	2nd Level
1. Minimum of five standards in ICAL or as specified in method?	✓			✓
2. Correlation coefficient ≥ 0.995 ?	✓			✓
3. Second-source ICV analyzed, and recovery within acceptance limits?	✓			✓
4. ICB analyzed immediately after the ICV & results < the RL	✓			✓
5. CCV analyzed after every ten samples & recovery within acceptance limits?	✓			✓
6. CCB analyzed after every CCV & results < RL?	✓			✓
7. Absolute value of the intercept is < ± ½ the RL?	✓			✓
B. Sample Results				
1. All samples greater than highest calibration standard diluted and reanalyzed?	✓			✓
2. Do associated RLs/MDLs reflect dilutions or limited sample volume?	✓			✓
3. All reported results bracketed by in control CCV results?	✓			✓
4. Sample analyses done within holding time?	✓			✓
5. Initial pH check documented for all samples? (If Applicable)			✓	✓
6. Preparation benchsheet completed and included in package?			✓	✓
7. Client requirements reviewed and met?	✓			✓
8. Were data manually transcribed from instrument printouts into TALS verified 100% including significant figures and correct units? (If Applicable)	✓			✓
9. Do the prep and analysis dates in TALS reflect the actual dates?	✓			✓
11. Raw data copies prepared, scanned, and uploaded?	✓			✓
12. Manual integrations done properly and initialed and dated?	✓			✓
13. STD/True Value information is updated and included?	✓			✓
C. Preparation/Matrix QC				
1. Method blank < RL or all reported samples > 10x blank have NCM?	✓			✓
2. Method blank < ½ RL or NCM provided?	✓			✓
3. LCS/LCSD run for batch and within QC limits?	✓			✓
4. MS/MSD run at required frequency and within limits or NCM written?	✓			✓
5. DUP run at required frequency and RPD within acceptance limits or NCM written?	✓			✓

Analyst: Ellen S Date: 05-02-12

2nd Level Reviewer : [signature] Date: 5/3/12

Title: Test 11-12-03
Datasource: D242FB31_local
Location: D242FB31_1\Sequences\2012\05 12
Timebase: D242FB31_1 Created: 5/1/2012 11:19:04 AM by WETCHEMD
#Samples: 36 Last Update: 5/2/2012 9:38:12 AM by WETCHEMD

No.	Name	Type	Pos.	Inj. Vol.	Program	Method	Status
1	RT CHECK	Unknown	100	10.0	7 anion program 12-02-03	7 ANION AS11	Finished
2	cal 1	Standard	2	10.0	7 anion program 12-02-03	7 ANION AS11	Finished
3	cal2	Standard	3	10.0	7 anion program 12-02-03	7 ANION AS11	Finished
4	cal3	Standard	4	10.0	7 anion program 12-02-03	7 ANION AS11	Finished
5	cal4	Standard	5	10.0	7 anion program 12-02-03	7 ANION AS11	Finished
6	cal5	Standard	9	10.0	7 anion program 12-02-03	7 ANION AS11	Finished
7	cal6	Standard	9	10.0	7 anion program 12-02-03	7 ANION AS11	Finished
8	BLK	Unknown	82	10.0	7 anion program 12-02-03	7 ANION AS11	Finished
9	ICV STD#00776	Unknown	94	10.0	7 anion program 12-02-03	7 ANION AS11	Finished
10	ICB	Unknown	94	10.0	7 anion program 12-02-03	7 ANION AS11	Finished
11	MRL	Unknown	94	10.0	7 anion program 12-02-03	7 ANION AS11	Finished
12	LCS STD#00776	Unknown	94	10.0	7 anion program 12-02-03	7 ANION AS11	Finished
13	LCSD	Unknown	94	10.0	7 anion program 12-02-03	7 ANION AS11	Finished
14	MB	Unknown	86	10.0	7 anion program 12-02-03	7 ANION AS11	Finished
15	280-27933-a-7	Unknown	83	10.0	7 anion program 12-02-03	7 ANION AS11	Finished
16	280-28076-g-1	Unknown	83	10.0	7 anion program 12-02-03	7 ANION AS11	Finished
17	280-28131-h-1	Unknown	84	10.0	7 anion program 12-02-03	7 ANION AS11	Finished
18	280-28131-h-3	Unknown	84	10.0	7 anion program 12-02-03	7 ANION AS11	Finished
19	280-28131-u-4	Unknown	84	10.0	7 anion program 12-02-03	7 ANION AS11	Finished
20	DU 280-28131-u-4	Unknown	84	10.0	7 anion program 12-02-03	7 ANION AS11	Finished
21	MS 280-28131-u-4	Unknown	84	10.0	7 anion program 12-02-03	7 ANION AS11	Finished
22	MSD 280-28131-u-4	Unknown	85	10.0	7 anion program 12-02-03	7 ANION AS11	Finished
23	280-28131-h-5	Unknown	84	10.0	7 anion program 12-02-03	7 ANION AS11	Finished
24	280-28131-h-6	Unknown	85	10.0	7 anion program 12-02-03	7 ANION AS11	Finished
25	CCV	Unknown	83	10.0	7 anion program 12-02-03	7 ANION AS11	Finished
26	CCB	Unknown	83	10.0	7 anion program 12-02-03	7 ANION AS11	Finished
27	280-28076-g-1 20X	Unknown	84	10.0	7 anion program 12-02-03	7 ANION AS11	Finished
28	280-28131-h-1 10X	Unknown	84	10.0	7 anion program 12-02-03	7 ANION AS11	Finished
29	280-28131-h-3 10X	Unknown	84	10.0	7 anion program 12-02-03	7 ANION AS11	Finished
30	280-28131-u-4 10X	Unknown	84	10.0	7 anion program 12-02-03	7 ANION AS11	Finished
31	DU 280-28131-u-4 10X	Unknown	84	10.0	7 anion program 12-02-03	7 ANION AS11	Finished
32	MS 280-28131-u-4 10X	Unknown	85	10.0	7 anion program 12-02-03	7 ANION AS11	Finished
33	MSD 280-28131-u-4 10X	Unknown	86	10.0	7 anion program 12-02-03	7 ANION AS11	Finished
34	CCV	Unknown	87	10.0	7 anion program 12-02-03	7 ANION AS11	Finished
35	CCB	Unknown	87	10.0	7 anion program 12-02-03	7 ANION AS11	Finished
36	END	Unknown	43	10.0	stop program	7 ANION AS11	Finished

Title: Test 11-12-03
Datasource: D242FB31_local
Location: D242FB31_1\Sequences\2012\05 12
Timebase: D242FB31_1 Created: 5/1/2012 11:19:04 AM by WETCHEMD
#Samples: 36 Last Update: 5/2/2012 9:38:12 AM by WETCHEMD

No.	Name	Inj. Date/Time	Weight	Dil. Factor	ISTD Amount	Sample ID	Replicate ID	Comment
1	RT CHECK	5/1/2012 11:19:37 AM	1.0000	1.0000	1.0000	100	01	EMK
2	cal 1	5/1/2012 11:36:56 AM	1.0000	1.0000	1.0000	101	01	EMK
3	cal2	5/1/2012 11:54:14 AM	1.0000	1.0000	1.0000	102	01	EMK
4	cal3	5/1/2012 12:11:32 PM	1.0000	1.0000	1.0000	103	01	EMK
5	cal4	5/1/2012 12:28:50 PM	1.0000	1.0000	1.0000	104	01	EMK
6	cal5	5/1/2012 12:46:08 PM	1.0000	1.0000	1.0000	105	01	EMK
7	cal6	5/1/2012 1:03:27 PM	1.0000	1.0000	1.0000	106	01	EMK
8	BLK	5/1/2012 1:20:45 PM	1.0000	1.0000	1.0000	107	01	EMK
9	ICV STD#00776	5/1/2012 1:38:03 PM	1.0000	1.0000	1.0000	108	01	EMK
10	ICB	5/1/2012 1:55:21 PM	1.0000	1.0000	1.0000	109	01	EMK
11	MRL	5/1/2012 2:12:39 PM	1.0000	1.0000	1.0000	110	01	EMK
12	LCS STD#00776	5/1/2012 2:29:57 PM	1.0000	1.0000	1.0000	111	01	EMK
13	LCSD	5/1/2012 2:47:16 PM	1.0000	1.0000	1.0000	112	01	EMK
14	MB	5/1/2012 3:04:34 PM	1.0000	1.0000	1.0000	113	01	EMK
15	280-27933-a-7	5/1/2012 3:21:52 PM	1.0000	1.0000	1.0000	114	01	EMK
16	280-28076-g-1	5/1/2012 3:39:10 PM	1.0000	1.0000	1.0000	115	01	EMK
17	280-28131-h-1	5/1/2012 3:56:28 PM	1.0000	1.0000	1.0000	116	01	EMK
18	280-28131-h-3	5/1/2012 4:13:46 PM	1.0000	1.0000	1.0000	117	01	EMK
19	280-28131-u-4	5/1/2012 4:31:05 PM	1.0000	1.0000	1.0000	118	01	EMK
20	DU 280-28131-u-4	5/1/2012 4:48:23 PM	1.0000	1.0000	1.0000	119	01	EMK
21	MS 280-28131-u-4	5/1/2012 5:05:41 PM	1.0000	1.0000	1.0000	120	01	EMK
22	MSD 280-28131-u-4	5/1/2012 5:22:59 PM	1.0000	1.0000	1.0000	121	01	EMK
23	280-28131-h-5	5/1/2012 5:40:17 PM	1.0000	1.0000	1.0000	122	01	EMK
24	280-28131-h-6	5/1/2012 5:57:35 PM	1.0000	1.0000	1.0000	123	01	EMK
25	CCV	5/1/2012 6:14:53 PM	1.0000	1.0000	1.0000	124	01	EMK
26	CCB	5/1/2012 6:32:12 PM	1.0000	1.0000	1.0000	125	01	EMK
27	280-28076-g-1 20X	5/1/2012 6:49:30 PM	1.0000	20.0000	1.0000	126	01	EMK
28	280-28131-h-1 10X	5/1/2012 7:06:48 PM	1.0000	10.0000	1.0000	127	01	EMK
29	280-28131-h-3 10X	5/1/2012 7:24:06 PM	1.0000	10.0000	1.0000	128	01	EMK
30	280-28131-u-4 10X	5/1/2012 7:41:24 PM	1.0000	10.0000	1.0000	129	01	EMK
31	DU 280-28131-u-4 10X	5/1/2012 7:58:43 PM	1.0000	10.0000	1.0000	130	01	EMK
32	MS 280-28131-u-4 10X	5/1/2012 8:16:01 PM	1.0000	10.0000	1.0000	131	01	EMK
33	MSD 280-28131-u-4 10X	5/1/2012 8:33:19 PM	1.0000	10.0000	1.0000	132	01	EMK
34	CCV	5/1/2012 8:50:37 PM	1.0000	1.0000	1.0000	133	01	EMK
35	CCB	5/1/2012 9:07:55 PM	1.0000	1.0000	1.0000	134	01	EMK
36	END	5/1/2012 9:25:13 PM	1.0000	1.0000	1.0000	135	01	EMK

Title: AS17 ANION program 12-02-03
Datasource: D242FB31_local Created: 12/2/2003 6:53:47 PM by coonl
Location: D242FB31_1\Sequences\2012\05 12\7_ANION_05-01-12.SEQ
Timebase: D242FB31_1 Changed: 8/28/2006 2:29:05 PM by kudlae

```
       CellTemperature =            35.0
       ColumnTemperature =          30.0
; Pump_ECD.Hydroxide =              10.0
; Pump_ECD.Recommended Current =    25
; Pump_ECD.Carbonate =              0.0
; Pump_ECD.Bicarbonate =            0.0
; Pump_ECD.Tetraborate =            0.0
; Pump_ECD.Other eluent =           0.0
       Pressure.LowerLimit =        200
       Pressure.UpperLimit =        3000
       %A.Equate =                  "DI H2O"
       CR_TC =                      On
       LoadPosition
       Data_Collection_Rate =       5.0
       Suppressor_Type =            ASRS_4mm
       Suppressor_Current =         100
       ECD_Total.Step =             0.50
       ECD_Total.Average =          Off
       Channel_Pressure.Step =      0.50
       Channel_Pressure.Average =   Off

-2.700 Pump_ECD_Relay_1.Open
       Pump_ECD_Relay_1.State       Open

-2.700 Flow =                       1.00
       Concentration =              10.00
       Curve =                      5

-2.500 Pump_ECD_Relay_1.Closed
       Pump_ECD_Relay_1.State       Closed

 0.000 Autozero
       ECD_1.AcqOn
       ECD_Total.AcqOn
       Channel_Pressure.AcqOn
       Pump_InjectValve.InjectPosition          Duration=720.00

 4.000 Concentration =              10.00
       Curve =                      5

10.500 Concentration =              40.00
       Curve =                      5
10.6   Concentration =              50.00
       Curve =                      5
```

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Title: AS17 ANION program 12-02-03
Datasource: D242FB31_local Created: 12/2/2003 6:53:47 PM by coonl
Location: D242FB31_1\Sequences\2012\05 12\7_ANION_05-01-12.SEQ
Timebase: D242FB31_1 Changed: 8/28/2006 2:29:05 PM by kudlae

```
12.500  Concentration =              50.00
        Curve =                      5

13.000  ECD_1.AcqOff
        ECD_Total.AcqOff
        Channel_Pressure.AcqOff

14.500  Concentration =              50.00
        Curve =                      5

14.600  Concentration =              10.00
        Curve =                      5

        End
```

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Title: AS17 ANION program 12-02-03
Datasource: D242FB31_local
Location: D242FB31_1\Sequences\2012\05 12\7_ANION_05-01-12.SEQ Created: 12/2/2003 6:53:47 PM by coonl
Timebase: D242FB31_1 Changed: 8/28/2006 2:29:05 PM by kudlae

No.	Channel	Operation	Parameters

Title: rinse, stop program
Datasource: D242FB31_local Created: 12/30/2003 1:25:17 PM by Administrator
Location: D242FB31_1\Sequences\2012\05 12\7_ANION_05-01-12.SEQ
Timebase: IC-7 Changed: 3/12/2005 2:43:12 PM by scofiela

```
        PumpMode =                  Off
        Pressure.LowerLimit =       200
        Pressure.UpperLimit =       3000
        %A.Equate =                 "DI H2O"
        CR_TC =                     OFF
        LoadPosition
        Data_Collection_Rate =      5.0
        CellTemperature =           0.0
        ColumnTemperature =         0.0
        Suppressor_Type =           ASRS_4mm
        ; Carbonate =               0.0
        ; Bicarbonate =             0.0
        ; Hydroxide =               0.1
        ; Tetraborate =             0.0
        ; Other eluent =            0.0
        ; Recommended Current =     ?
        Suppressor_Current =        0
        ECD_Total.Step =            0.50
        ECD_Total.Average =         Off
        Channel_Pressure.Step =     0.50
        Channel_Pressure.Average =  Off
0.000   Concentration =             10.00
        Curve =                     5
        Flow =                      1.5
        Pump_ECD.Autozero
        ECD_1.AcqOn
        ECD_Total.AcqOn
        Channel_Pressure.AcqOn


0.500   ECD_1.AcqOff
        ECD_Total.AcqOff
        Channel_Pressure.AcqOff
        Concentration =             10.0
        Curve =                     5

        End
```

Chromeleon © Dionex Corporation, Version 6.60 SP1a Build 1449

Title: rinse, stop program
Datasource: D242FB31_local
Location: D242FB31_1\Sequences\2012\05 12\7_ANION_05-01-12.SEQ
Timebase: IC-7
Created: 12/30/2003 1:25:17 PM by Administrator
Changed: 3/12/2005 2:43:12 PM by scofiela

No.	Channel	Operation	Parameters

Title: 9056
Datasource: D242FB31_local Created: 7/13/2004 10:19:05 PM by COONL
Location: D242FB31_1\Sequences\2012\05 12\7_ANION_05-01-12.SEQ Last Update: 5/1/2012 3:37:28 PM by WETCHEMD

Blank Run Subtraction: No Blank Run Subtraction

Detection Table:

No.	Ret. Time [min]	Param. Name	Param. Value	Channel
1	0.000	Minimum Area	0.8E-3 "[Signal]*min"	All Channels
2	0.000	Sensitivity	0.8E-3 "[Signal]"	All Channels
3	0.000	Inhibit Integration	On	All Channels
4	0.000	Valley to Valley	On	All Channels
5	0.000	Fronting Sensitivity Factor	5.0	All Channels
6	0.000	Tailing Sensitivity Factor	7.0	All Channels
7	1.500	Void Volume Treatment	On	All Channels
8	1.500	Inhibit Integration	Off	All Channels
9	1.600	Void Volume Treatment	Off	All Channels
10	1.600	Maximum Width	1.00 min	All Channels

Title: 9056
Datasource: D242FB31_local Created: 7/13/2004 10:19:05 PM by COONL
Location: D242FB31_1\Sequences\2012\05 12\7_ANION_05-01-12.SEQ Last Update: 5/1/2012 3:37:28 PM by WETCHEMD

Peak Table:

Use Recently Detected Retention Times: Off
Peak Retention Time Determination: Absolute
Dead time:
Delay Time of 2'nd Detector: <None>
Delay Time of 3'rd Detector: <None>

No.	Peak Name	Ret.Time	Window	Standard	Int.Type	Cal.Type	Peak Type	Group	Comment	Amount cal 1	Amount cal2
1	*Fluoride*	*1.900 min*	*5.000 RN*	*External*	*Area*	*XLOff*	*Main*			*0.200000*	*0.500000*
2	Acetate	2.500 min	5.000 RN	External	Area	XLOff	Main			0.000000	0.000000
3	Chloride	3.400 min	5.000 RN	External	Area	XLOff	Main			1.000000	2.500000
4	Nitrite	4.000 min	5.000 RN	External	Area	XLOff	Main			0.200000	0.500000
5	Bromide	6.600 min	5.000 RN	External	Area	XLOff	B-M			0.200000	0.500000
6	Nitrate	7.100 min	5.000 RN	External	Area	XLOff	M-B			0.200000	0.500000
7	carbonate	7.400 min	5.000 RN	External	Area	XLOff	Main			0.000000	0.000000
8	Sulfate	9.600 min	3.000 RN	External	Area	XLOff	Rider			1.000000	2.500000
9	Ortho as P	11.900 min	5.000 RN	External	Area	XLOff	Main			0.200000	0.500000

Title: 9056
Datasource: D242FB31_local Created: 7/13/2004 10:19:05 PM by COONL
Location: D242FB31_1\Sequences\2012\05 12\7_ANION_05-01-12.SEQ Last Update: 5/1/2012 3:37:28 PM by WETCHEMD

Peak Table:

Use Recently Detected Retention Times: Off
Peak Retention Time Determination: Absolute
Dead time:
Delay Time of 2'nd Detector: <None>
Delay Time of 3'rd Detector: <None>

No.	Peak Name	Ret.Time	Amount cal3	Amount cal4	Amount cal5	Amount cal6
1	*Fluoride*	*1.900 min*	*1.000000*	*4.000000*	*8.000000*	*10.000000*
2	Acetate	2.500 min	0.000000	0.000000	0.000000	0.000000
3	Chloride	3.400 min	5.000000	20.000000	40.000000	50.000000
4	Nitrite	4.000 min	1.000000	4.000000	8.000000	10.000000
5	Bromide	6.600 min	1.000000	4.000000	8.000000	10.000000
6	Nitrate	7.100 min	1.000000	4.000000	8.000000	10.000000
7	carbonate	7.400 min	0.000000	0.000000	0.000000	0.000000
8	Sulfate	9.600 min	5.000000	20.000000	40.000000	50.000000
9	Ortho as P	11.900 min	1.000000	4.000000	8.000000	10.000000

Title: 9056
Datasource: D242FB31_local Created: 7/13/2004 10:19:05 PM by COONL
Location: D242FB31_1\Sequences\2012\05 12\7_ANION_05-01-12.SEQ Last Update: 5/1/2012 3:37:28 PM by WETCHEMD

Amount Table:

Dimension of Amounts: mg/L
Reference volume for amounts: Use inject volume of first standard
Number of Amount Columns: 6
Sample column used for amount column assignment: Sample Name

No.	Peak Name	Ret.Time	Window	Standard	Int.Type	Cal.Type	Peak Type	Left Limit	Right Limit	Group	Resp.Fact.
1	*Fluoride*	*1.900 min*	*5.000 RN*	*External*	*Area*	*XLOff*	*Main*	*0.000*	*0.000*		*1.000000*
2	Acetate	2.500 min	5.000 RN	External	Area	XLOff	Main	0.000	0.000		1.000000
3	Chloride	3.400 min	5.000 RN	External	Area	XLOff	Main	0.000	0.000		1.000000
4	Nitrite	4.000 min	5.000 RN	External	Area	XLOff	Main	0.000	0.000		1.000000
5	Bromide	6.600 min	5.000 RN	External	Area	XLOff	B-M	0.000	0.000		1.000000
6	Nitrate	7.100 min	5.000 RN	External	Area	XLOff	M-B	0.000	0.000		1.000000
7	carbonate	7.400 min	5.000 RN	External	Area	XLOff	Main	0.000	0.000		1.000000
8	Sulfate	9.600 min	3.000 RN	External	Area	XLOff	Rider	0.000	0.000		1.000000
9	Ortho as P	11.900 min	5.000 RN	External	Area	XLOff	Main	0.000	0.000		1.000000

Title: 9056
Datasource: D242FB31_local Created: 7/13/2004 10:19:05 PM by COONL
Location: D242FB31_1\Sequences\2012\05 12\7_ANION_05-01-12.SEQ Last Update: 5/1/2012 3:37:28 PM by WETCHEMD

Amount Table:

Dimension of Amounts: mg/L
Reference volume for amounts: Use inject volume of first standard
Number of Amount Columns: 6
Sample column used for amount column assignment: Sample Name

No.	Peak Name	Ret.Time	Comment
1	*Fluoride*	*1.900 min*	
2	Acetate	2.500 min	
3	Chloride	3.400 min	
4	Nitrite	4.000 min	
5	Bromide	6.600 min	
6	Nitrate	7.100 min	
7	carbonate	7.400 min	
8	Sulfate	9.600 min	
9	Ortho as P	11.900 min	

Title: 9056
Datasource: D242FB31_local Created: 7/13/2004 10:19:05 PM by COONL
Location: D242FB31_1\Sequences\2012\05 12\7_ANION_05-01-12.SEQ Last Update: 5/1/2012 3:37:28 PM by WETCHEMD

Calibration:

Calibration Mode: Total
Auto Recalibrate: On
Curve Fitting Model: Normal

No.	Enabled	Name	Smp.No.	Pos.	Inj. Vol.	Weight	ISTD Amount	Dil. Factor	Inj. Date/Time	Sample Comment
1	☒	cal 1	2	2	10.0	1.0000	1.0000	1.0000	5/1/2012 11:36:	EMK
2	☒	cal2	3	3	10.0	1.0000	1.0000	1.0000	5/1/2012 11:54:	EMK
3	☒	cal3	4	4	10.0	1.0000	1.0000	1.0000	5/1/2012 12:11:	EMK
4	☒	cal4	5	5	10.0	1.0000	1.0000	1.0000	5/1/2012 12:28:	EMK
5	☒	cal5	6	9	10.0	1.0000	1.0000	1.0000	5/1/2012 12:46:	EMK
6	☒	cal6	7	9	10.0	1.0000	1.0000	1.0000	5/1/2012 1:03:2	EMK

Title: 9056
Datasource: D242FB31_local Created: 7/13/2004 10:19:05 PM by COONL
Location: D242FB31_1\Sequences\2012\05 12\7_ANION_05-01-12.SEQ Last Update: 5/1/2012 3:37:28 PM by WETCHEMD

Calibration:

Calibration Mode: Total
Auto Recalibrate: On
Curve Fitting Model: Normal

No.	Enabled	Name	Calib.	Comment
1	☒	cal 1	Ok	
2	☒	cal2	Ok	
3	☒	cal3	Ok	
4	☒	cal4	Ok	
5	☒	cal5	Ok	
6	☒	cal6	Ok	

Title: 9056
Datasource: D242FB31_local Created: 7/13/2004 10:19:05 PM by COONL
Location: D242FB31_1\Sequences\2012\05 12\7_ANION_05-01-12.SEQ Last Update: 5/1/2012 3:37:28 PM by WETCHEMD

System Suitability Test:

No.	Name	Sample Condition	Test Condition	Aggregate	Operator	Value	Channel	Peak	N.A.
1									

Title: 9056
Datasource: D242FB31_local Created: 7/13/2004 10:19:05 PM by COONL
Location: D242FB31_1\Sequences\2012\05 12\7_ANION_05-01-12.SEQ Last Update: 5/1/2012 3:37:28 PM by WETCHEMD

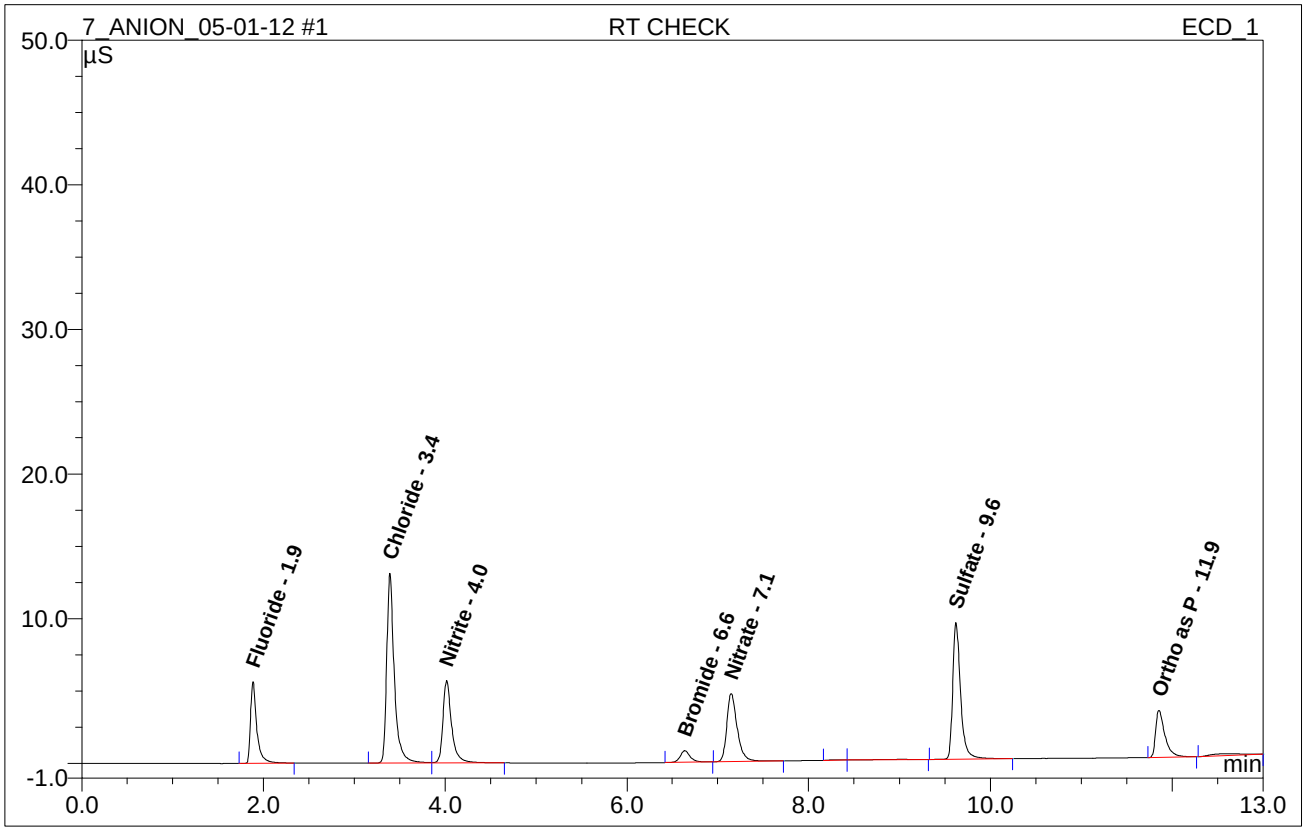
System Suitability Test:

No.	Name	Fail-Action	Result	SST Message
1				

1 RT CHECK

EMK

Sample Name:	**RT CHECK**	*Injection Volume:*	**10.0**
Vial Number:	**100**	*Channel:*	**ECD_1**
Sample Type:	**unknown**	*Wavelength:*	**n.a.**
Control Program:	**7 anion program 12-02-03**	*Bandwidth:*	**n.a.**
Quantif. Method:	**7 ANION AS11**	*Dilution Factor:*	**1.0000**
Recording Time:	**5/1/2012 11:19**	*Sample Weight:*	**1.0000**
Run Time (min):	**13.00**	*Sample Amount:*	**1.0000**

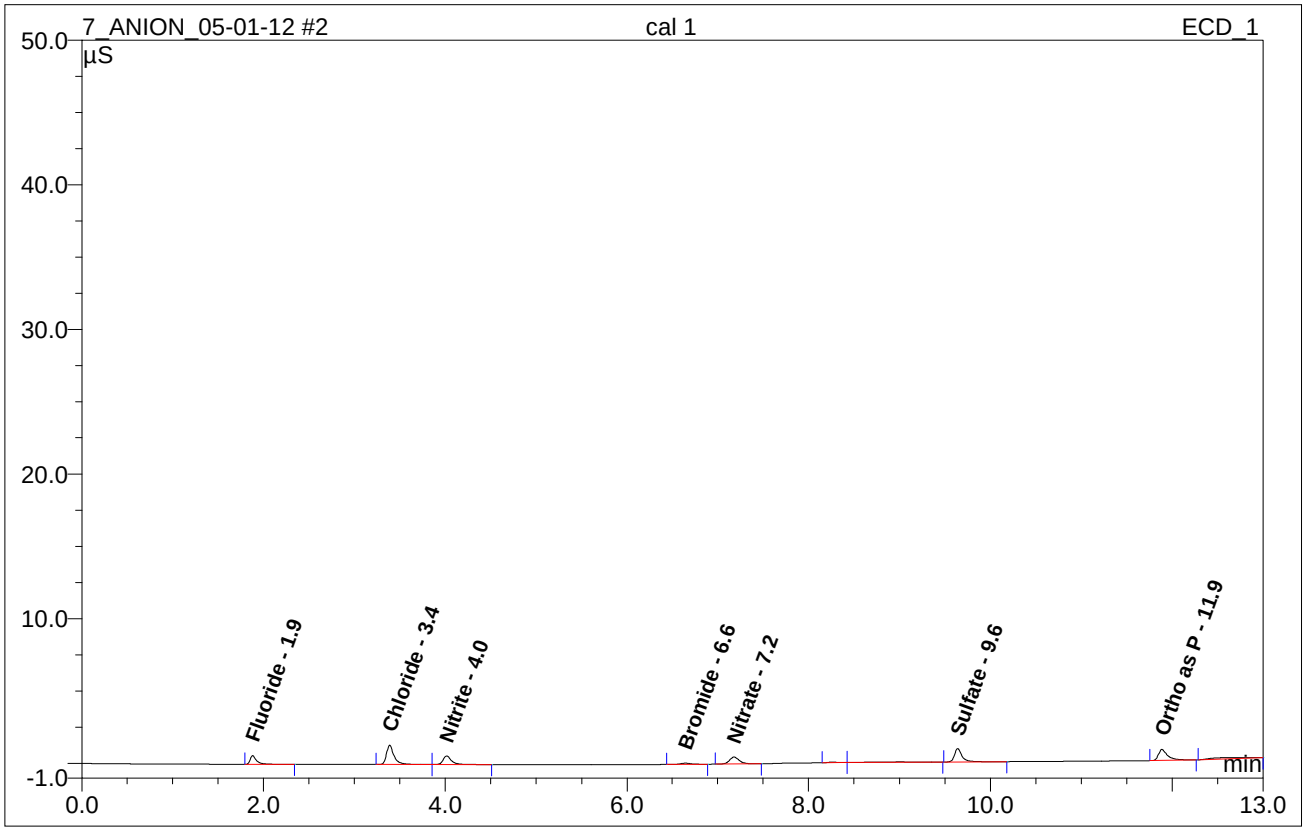


No.	Ret.Time min	Peak Name	Height µS	Area µS*min	Rel.Area %	Amount mg/L	Type
1	1.88	Fluoride	5.637	0.448	10.01	2.007	BMB
2	3.39	Chloride	13.110	1.273	28.42	9.819	BM
3	4.01	Nitrite	5.695	0.632	14.11	2.021	MB
4	6.64	Bromide	0.800	0.102	2.28	1.854	BMB
5	7.15	Nitrate	4.686	0.624	13.93	1.918	BMB
8	9.62	Sulfate	9.441	0.950	21.21	9.812	BMB
9	11.86	Ortho as P	3.245	0.386	8.61	2.155	BMB
Total:			42.615	4.414	98.57	29.586	

2 cal 1

EMK

Sample Name:	**cal 1**	*Injection Volume:*	**10.0**
Vial Number:	**2**	*Channel:*	**ECD_1**
Sample Type:	**standard**	*Wavelength:*	**n.a.**
Control Program:	**7 anion program 12-02-03**	*Bandwidth:*	**n.a.**
Quantif. Method:	**7 ANION AS11**	*Dilution Factor:*	**1.0000**
Recording Time:	**5/1/2012 11:36**	*Sample Weight:*	**1.0000**
Run Time (min):	**13.00**	*Sample Amount:*	**1.0000**

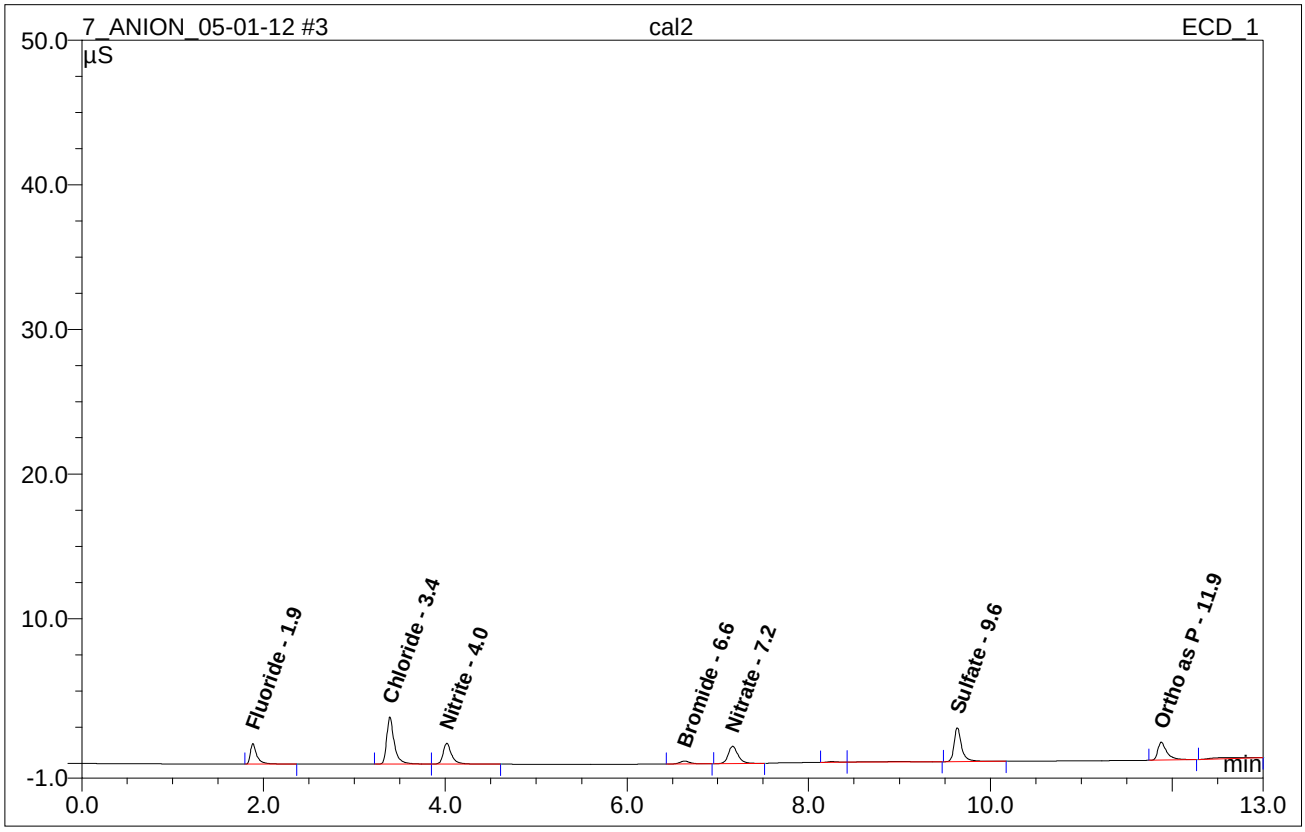


No.	Ret.Time min	Peak Name	Height µS	Area µS*min	Rel.Area %	Amount mg/L	Type
1	1.88	Fluoride	0.600	0.049	8.96	0.194	BMB
2	3.39	Chloride	1.341	0.130	24.01	1.031	BM
3	4.02	Nitrite	0.595	0.065	11.91	0.198	MB
4	6.64	Bromide	0.082	0.011	1.95	0.220	BMB
5	7.18	Nitrate	0.481	0.060	11.15	0.216	BMB
8	9.64	Sulfate	0.917	0.090	16.59	1.059	BMB
9	11.89	Ortho as P	0.763	0.089	16.41	0.169	BMB
Total:			4.780	0.494	90.98	3.087	

3 cal2

EMK

Sample Name:	**cal2**	*Injection Volume:*	**10.0**
Vial Number:	**3**	*Channel:*	**ECD_1**
Sample Type:	**standard**	*Wavelength:*	**n.a.**
Control Program:	**7 anion program 12-02-03**	*Bandwidth:*	**n.a.**
Quantif. Method:	**7 ANION AS11**	*Dilution Factor:*	**1.0000**
Recording Time:	**5/1/2012 11:54**	*Sample Weight:*	**1.0000**
Run Time (min):	**13.00**	*Sample Amount:*	**1.0000**

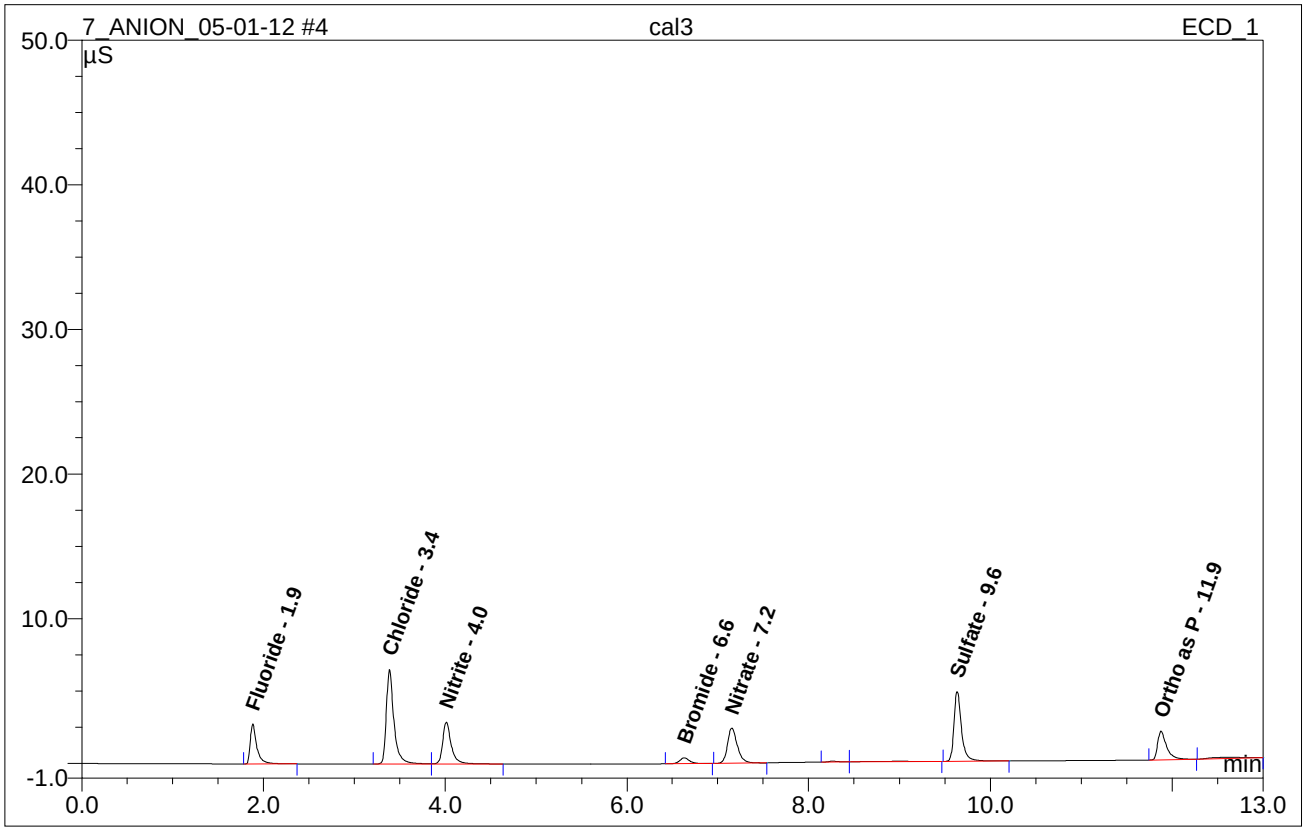


No.	Ret.Time min	Peak Name	Height µS	Area µS*min	Rel.Area %	Amount mg/L	Type
1	1.88	Fluoride	1.406	0.116	9.83	0.499	BMB
2	3.39	Chloride	3.270	0.317	26.94	2.469	BM
3	4.02	Nitrite	1.447	0.158	13.37	0.496	MB
4	6.63	Bromide	0.200	0.025	2.15	0.484	BMB
5	7.16	Nitrate	1.201	0.149	12.69	0.485	BMB
8	9.64	Sulfate	2.331	0.224	19.06	2.428	BMB
9	11.88	Ortho as P	1.245	0.143	12.13	0.529	BMB
Total:			11.099	1.133	96.17	7.390	

4 cal3

EMK

Sample Name:	**cal3**	*Injection Volume:*	**10.0**
Vial Number:	**4**	*Channel:*	**ECD_1**
Sample Type:	**standard**	*Wavelength:*	**n.a.**
Control Program:	**7 anion program 12-02-03**	*Bandwidth:*	**n.a.**
Quantif. Method:	**7 ANION AS11**	*Dilution Factor:*	**1.0000**
Recording Time:	**5/1/2012 12:11**	*Sample Weight:*	**1.0000**
Run Time (min):	**13.00**	*Sample Amount:*	**1.0000**

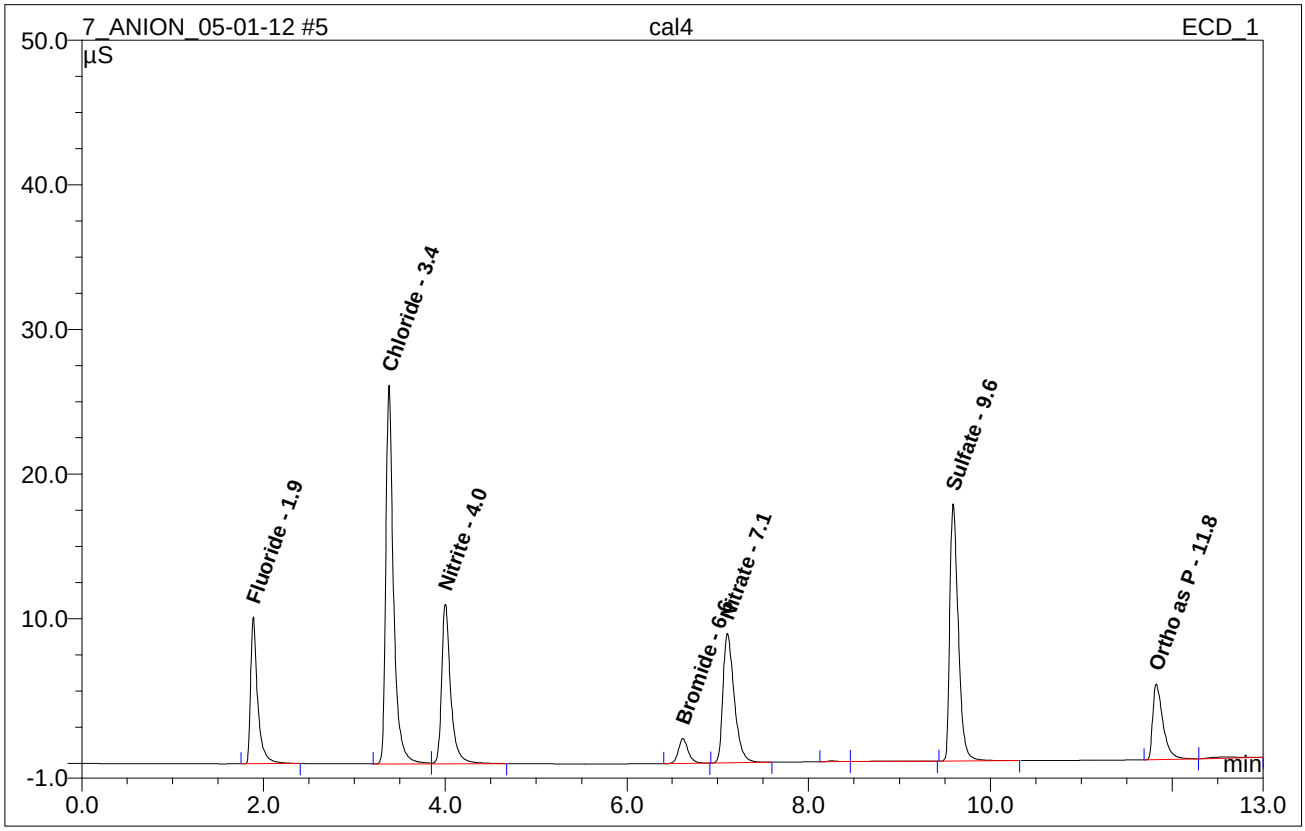


No.	Ret.Time min	Peak Name	Height µS	Area µS*min	Rel.Area %	Amount mg/L	Type
1	1.88	Fluoride	2.746	0.230	10.13	1.018	BMB
2	3.39	Chloride	6.527	0.635	27.93	4.915	BM
3	4.01	Nitrite	2.892	0.317	13.92	1.008	MB
4	6.63	Bromide	0.405	0.051	2.24	0.943	BMB
5	7.15	Nitrate	2.432	0.306	13.46	0.958	BMB
8	9.63	Sulfate	4.812	0.463	20.37	4.859	BMB
9	11.88	Ortho as P	1.979	0.227	9.97	1.091	BMB
Total:			21.791	2.229	98.02	14.792	

5 cal4

EMK

Sample Name:	**cal4**	*Injection Volume:*	**10.0**
Vial Number:	**5**	*Channel:*	**ECD_1**
Sample Type:	**standard**	*Wavelength:*	**n.a.**
Control Program:	**7 anion program 12-02-03**	*Bandwidth:*	**n.a.**
Quantif. Method:	**7 ANION AS11**	*Dilution Factor:*	**1.0000**
Recording Time:	**5/1/2012 12:28**	*Sample Weight:*	**1.0000**
Run Time (min):	**13.00**	*Sample Amount:*	**1.0000**

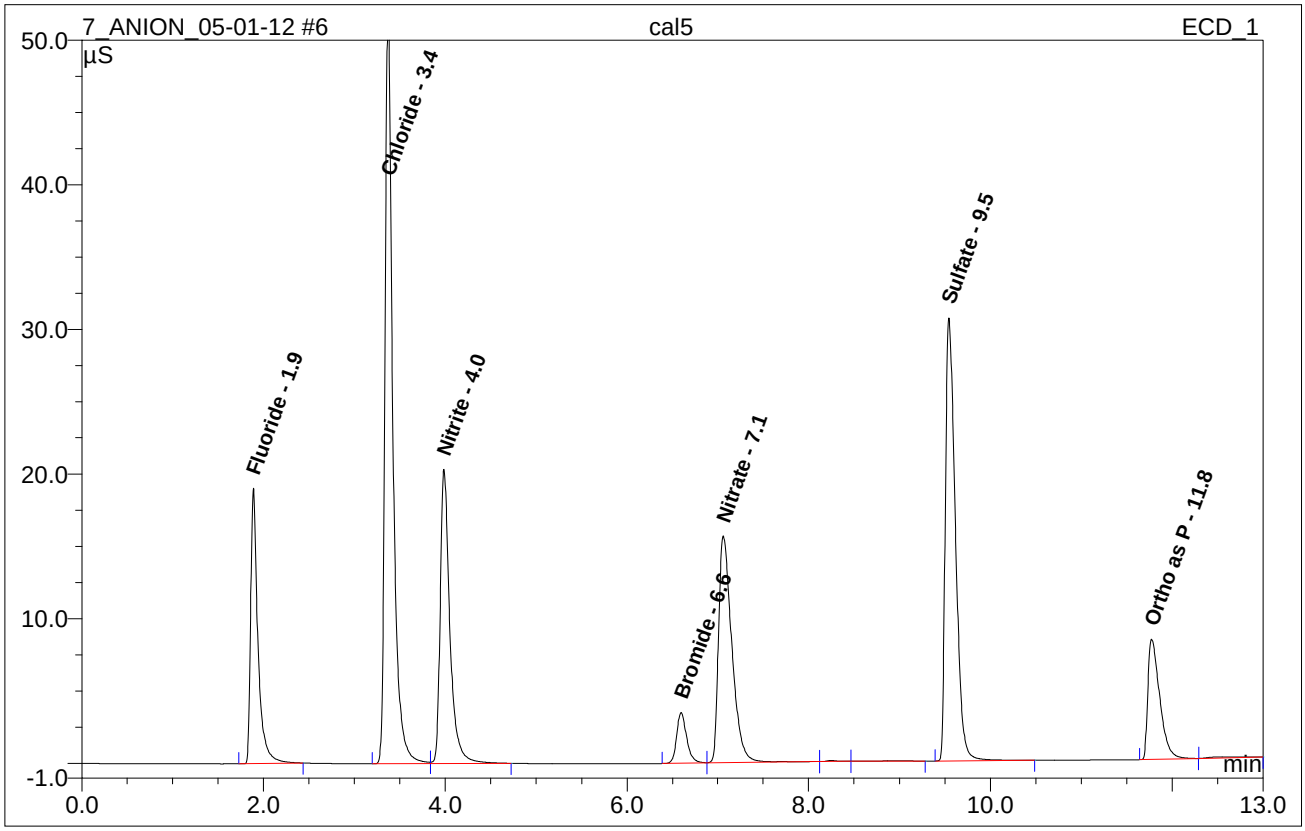


No.	Ret.Time min	Peak Name	Height µS	Area µS*min	Rel.Area %	Amount mg/L	Type
1	1.89	Fluoride	10.146	0.907	10.19	4.088	BMB
2	3.38	Chloride	26.191	2.579	28.95	19.867	BM
3	4.00	Nitrite	11.015	1.268	14.23	4.065	MB
4	6.62	Bromide	1.723	0.215	2.41	3.872	BMB
5	7.11	Nitrate	8.937	1.283	14.41	3.909	BMB
8	9.59	Sulfate	17.760	1.933	21.70	19.821	BMB
9	11.83	Ortho as P	5.220	0.679	7.62	4.119	BMB
Total:			80.992	8.865	99.51	59.741	

6 cal5

EMK

Sample Name:	**cal5**	*Injection Volume:*	**10.0**
Vial Number:	**9**	*Channel:*	**ECD_1**
Sample Type:	**standard**	*Wavelength:*	**n.a.**
Control Program:	**7 anion program 12-02-03**	*Bandwidth:*	**n.a.**
Quantif. Method:	**7 ANION AS11**	*Dilution Factor:*	**1.0000**
Recording Time:	**5/1/2012 12:46**	*Sample Weight:*	**1.0000**
Run Time (min):	**13.00**	*Sample Amount:*	**1.0000**

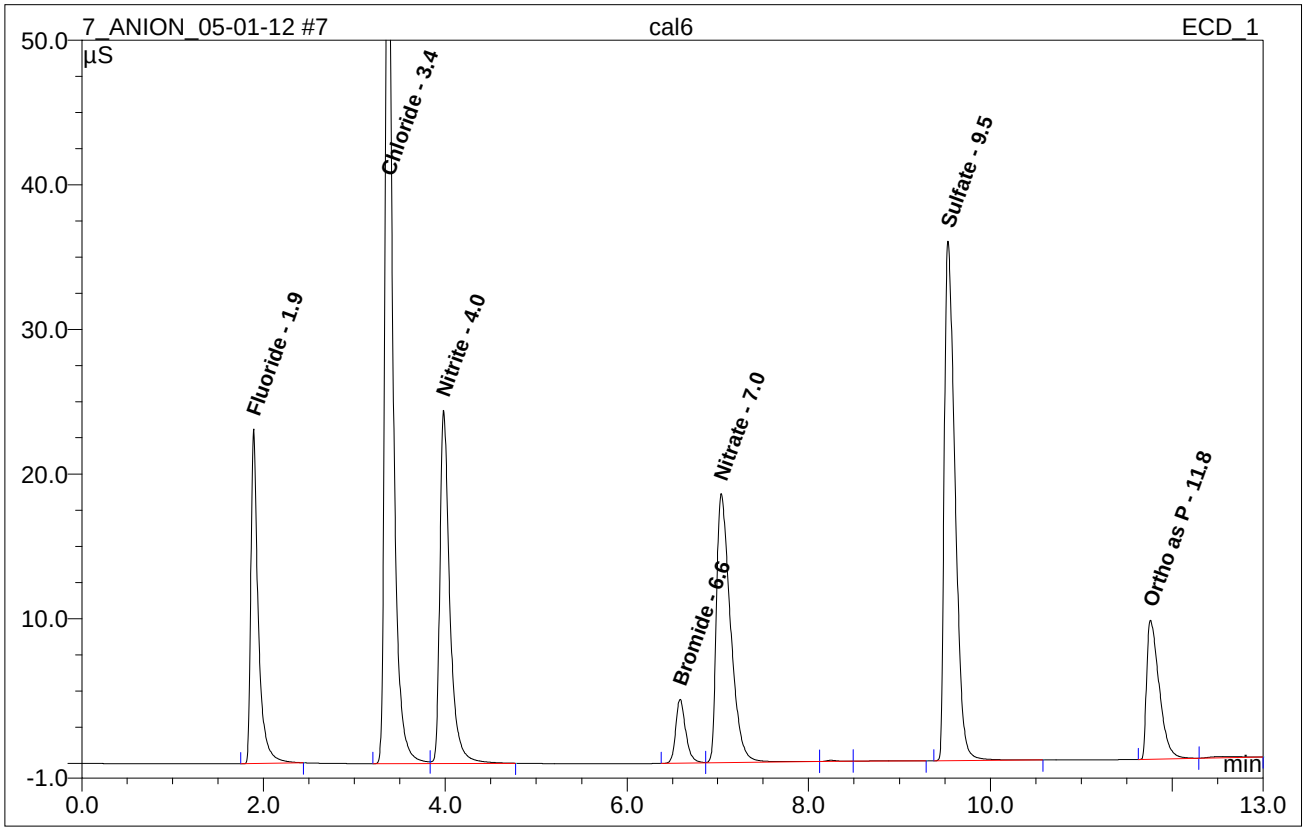


No.	Ret.Time min	Peak Name	Height µS	Area µS*min	Rel.Area %	Amount mg/L	Type
1	1.89	Fluoride	19.024	1.773	9.96	8.011	BMB
2	3.37	Chloride	51.851	5.210	29.26	40.100	BM
3	3.99	Nitrite	20.317	2.497	14.02	8.016	MB
4	6.60	Bromide	3.514	0.449	2.52	8.057	BM
5	7.06	Nitrate	15.681	2.655	14.91	8.052	MB
8	9.54	Sulfate	30.629	3.927	22.05	40.120	BMB
9	11.78	Ortho as P	8.307	1.254	7.04	7.970	BMB
Total:			149.322	17.765	99.76	120.326	

7 cal6

EMK

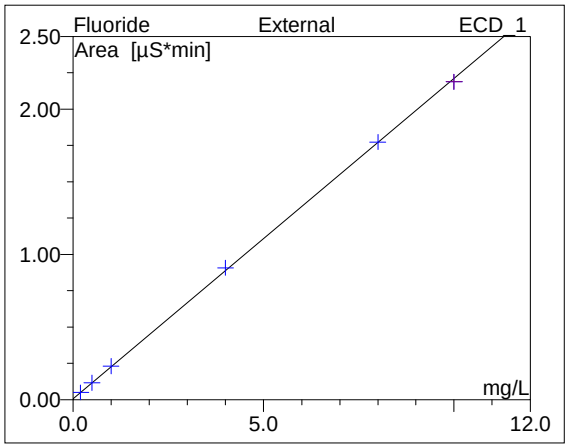
Sample Name:	**cal6**	*Injection Volume:*	**10.0**
Vial Number:	**9**	*Channel:*	**ECD_1**
Sample Type:	**standard**	*Wavelength:*	**n.a.**
Control Program:	**7 anion program 12-02-03**	*Bandwidth:*	**n.a.**
Quantif. Method:	**7 ANION AS11**	*Dilution Factor:*	**1.0000**
Recording Time:	**5/1/2012 13:03**	*Sample Weight:*	**1.0000**
Run Time (min):	**13.00**	*Sample Amount:*	**1.0000**

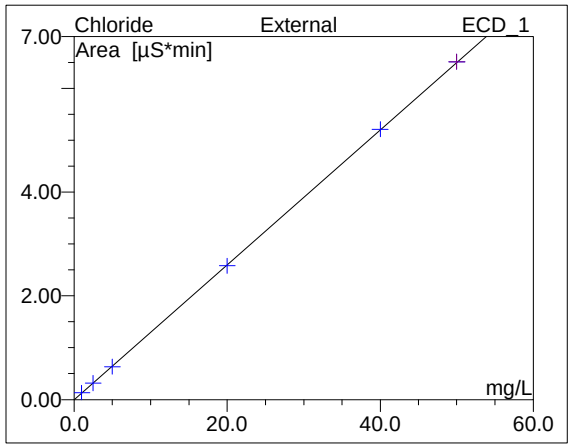


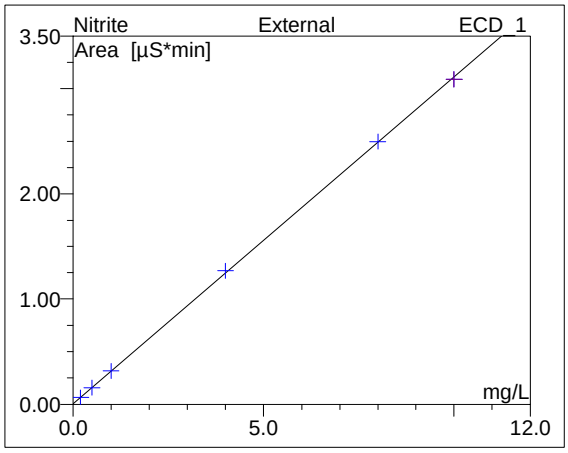
No.	Ret.Time min	Peak Name	Height µS	Area µS*min	Rel.Area %	Amount mg/L	Type
1	1.89	Fluoride	23.122	2.188	9.87	9.890	BMB
2	3.37	Chloride	64.475	6.512	29.37	50.118	BM
3	3.98	Nitrite	24.419	3.088	13.93	9.917	MB
4	6.58	Bromide	4.406	0.564	2.54	10.123	BM
5	7.04	Nitrate	18.586	3.326	15.00	10.080	MB
8	9.53	Sulfate	35.926	4.919	22.18	50.214	BMB
9	11.76	Ortho as P	9.608	1.531	6.91	9.823	BMB
Total:			180.542	22.128	99.81	150.164	

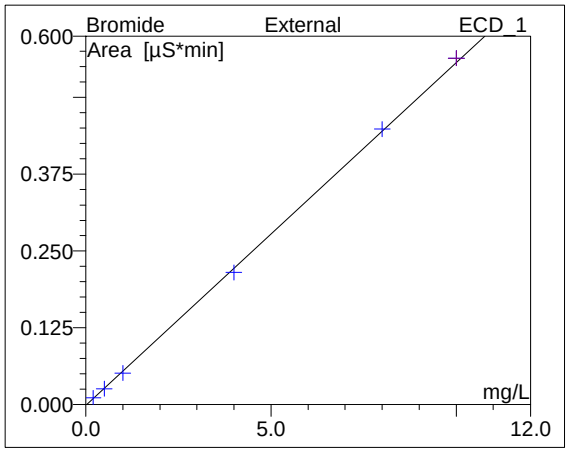
Calibration Batch Report

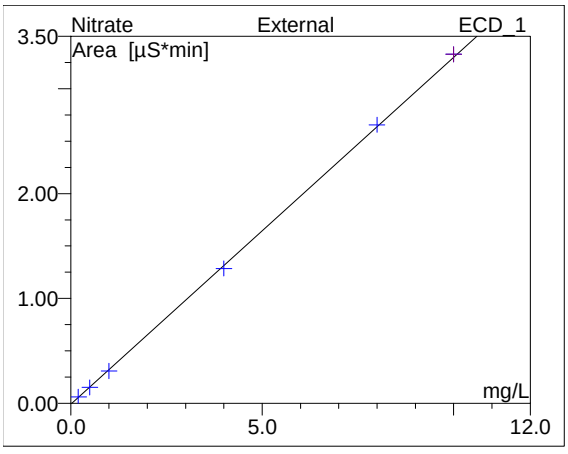
Sequence:	**7_ANION_05-01-12**	Inj. Vol.:	**10.0**
Program:	**7 anion program 12-02-03**	Operator:	**DENPC040**
Inj. Date/Time:	**05/01/12 13:03**	Run Time:	**13.00**

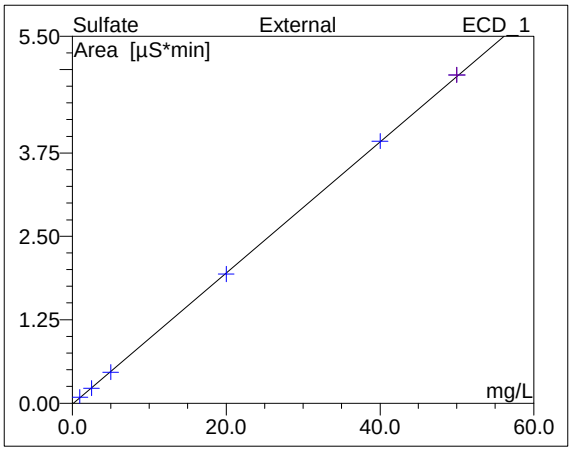




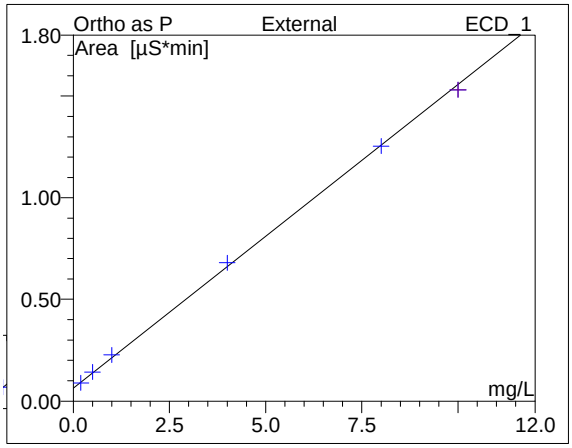








Program:	**7 anion program 12-02-03**	*Operator:*	**n.a.**
Ini. Date/Time:	**05/01/12 13:03**	*Run Time:*	**13.00**

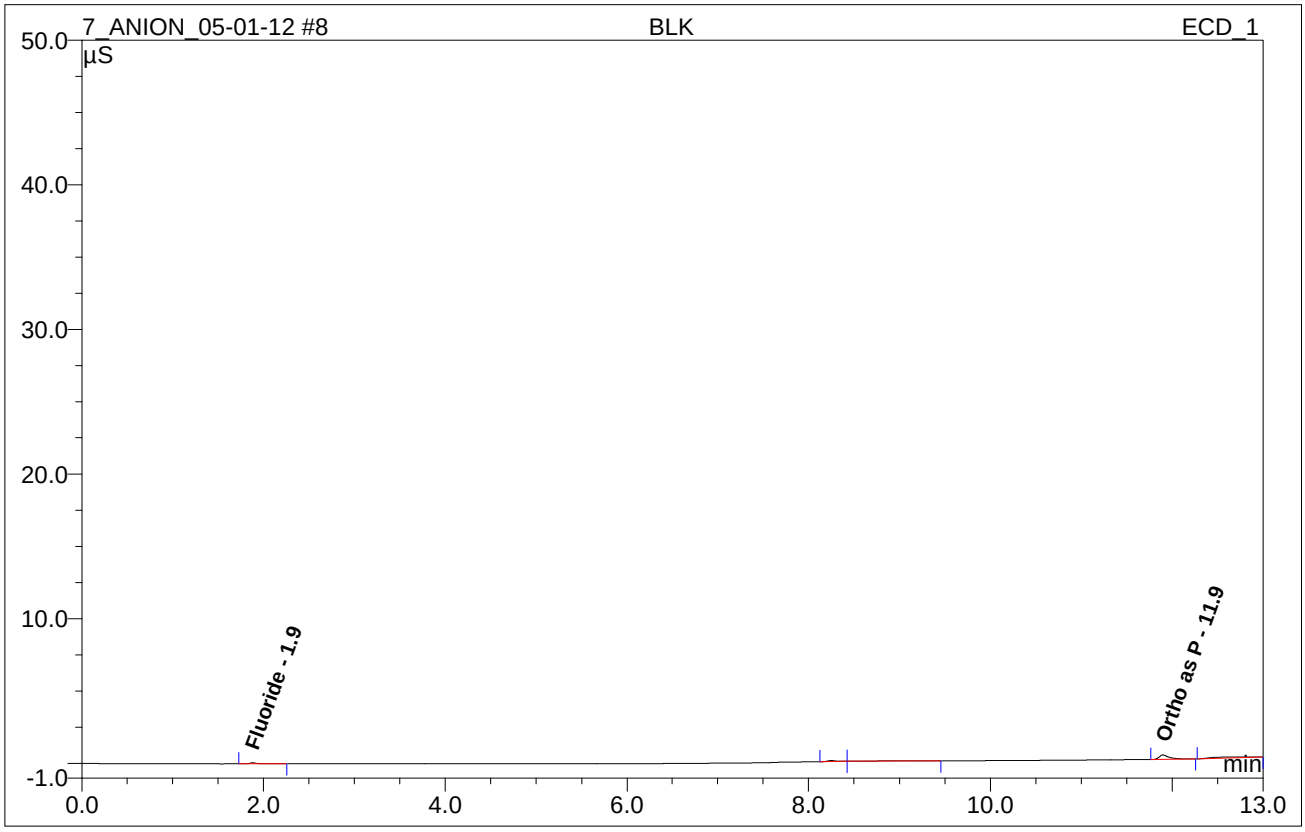


No.	Ret.Time min	Peak Name	Cal.Type	Points	Offset (C0)	Slope (C1)	Curve (C2)	Corr.Coeff. %
1	1.89	Fluoride	XLOff	6	0.006	0.221	0.000	99.991
2	3.37	Chloride	XLOff	6	-0.004	0.130	0.000	99.998
3	3.98	Nitrite	XLOff	6	0.003	0.311	0.000	99.995
4	6.58	Bromide	XLOff	6	-0.002	0.056	0.000	99.970
5	7.04	Nitrate	XLOff	6	-0.011	0.331	0.000	99.983
8	9.53	Sulfate	XLOff	6	-0.014	0.098	0.000	99.994
9	11.76	Ortho as P	XLOff	6	0.064	0.149	0.000	99.944
AVERAGE:					0.0060	0.1852	0.0000	99.9821

8 BLK

EMK

Sample Name:	**BLK**	*Injection Volume:*	**10.0**
Vial Number:	**82**	*Channel:*	**ECD_1**
Sample Type:	**unknown**	*Wavelength:*	**n.a.**
Control Program:	**7 anion program 12-02-03**	*Bandwidth:*	**n.a.**
Quantif. Method:	**7 ANION AS11**	*Dilution Factor:*	**1.0000**
Recording Time:	**5/1/2012 13:20**	*Sample Weight:*	**1.0000**
Run Time (min):	**13.00**	*Sample Amount:*	**1.0000**

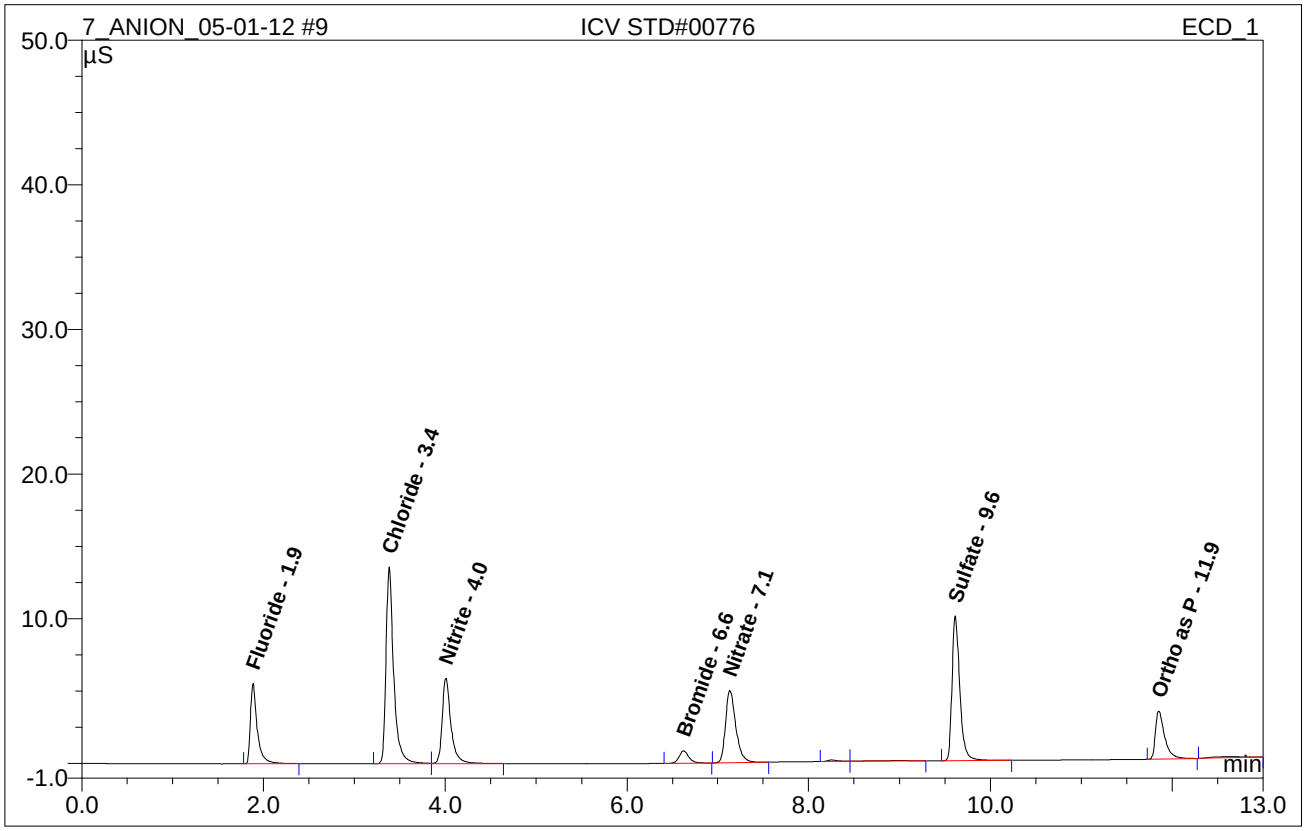


No.	Ret.Time min	Peak Name	Height µS	Area µS*min	Rel.Area %	Amount mg/L	Type
1	1.88	Fluoride	0.069	0.006	6.52	0.001	BMB
4	11.90	Ortho as P	0.308	0.039	42.83	-0.164	BMB
Total:			0.377	0.045	49.36	-0.163	

9 ICV STD#00776

EMK

Sample Name:	**ICV STD#00776**	*Injection Volume:*	**10.0**
Vial Number:	**94**	*Channel:*	**ECD_1**
Sample Type:	**unknown**	*Wavelength:*	**n.a.**
Control Program:	**7 anion program 12-02-03**	*Bandwidth:*	**n.a.**
Quantif. Method:	**7 ANION AS11**	*Dilution Factor:*	**1.0000**
Recording Time:	**5/1/2012 13:38**	*Sample Weight:*	**1.0000**
Run Time (min):	**13.00**	*Sample Amount:*	**1.0000**

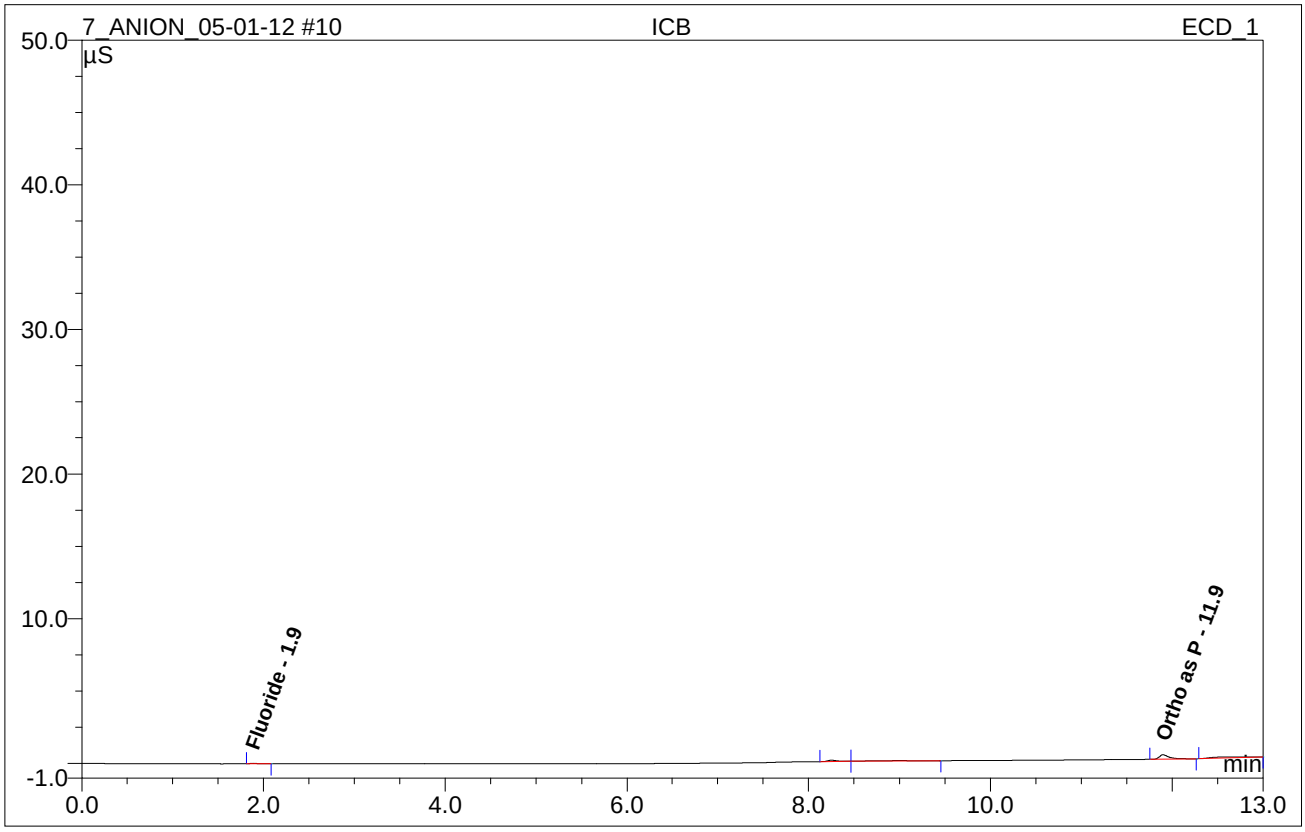


No.	Ret.Time min	Peak Name	Height µS	Area µS*min	Rel.Area %	Amount mg/L	Type
1	1.88	Fluoride	5.543	0.482	10.32	2.159	BMB
2	3.38	Chloride	13.607	1.335	28.58	10.298	BM
3	4.01	Nitrite	5.900	0.659	14.11	2.109	MB
4	6.62	Bromide	0.861	0.108	2.31	1.958	BMB
5	7.13	Nitrate	4.991	0.658	14.10	2.022	BMB
8	9.61	Sulfate	10.003	0.992	21.24	10.244	BMB
9	11.85	Ortho as P	3.306	0.390	8.35	2.184	BMB
Total:			44.210	4.625	99.01	30.975	

10 ICB

EMK

Sample Name:	**ICB**	*Injection Volume:*	**10.0**
Vial Number:	**94**	*Channel:*	**ECD_1**
Sample Type:	**unknown**	*Wavelength:*	**n.a.**
Control Program:	**7 anion program 12-02-03**	*Bandwidth:*	**n.a.**
Quantif. Method:	**7 ANION AS11**	*Dilution Factor:*	**1.0000**
Recording Time:	**5/1/2012 13:55**	*Sample Weight:*	**1.0000**
Run Time (min):	**13.00**	*Sample Amount:*	**1.0000**

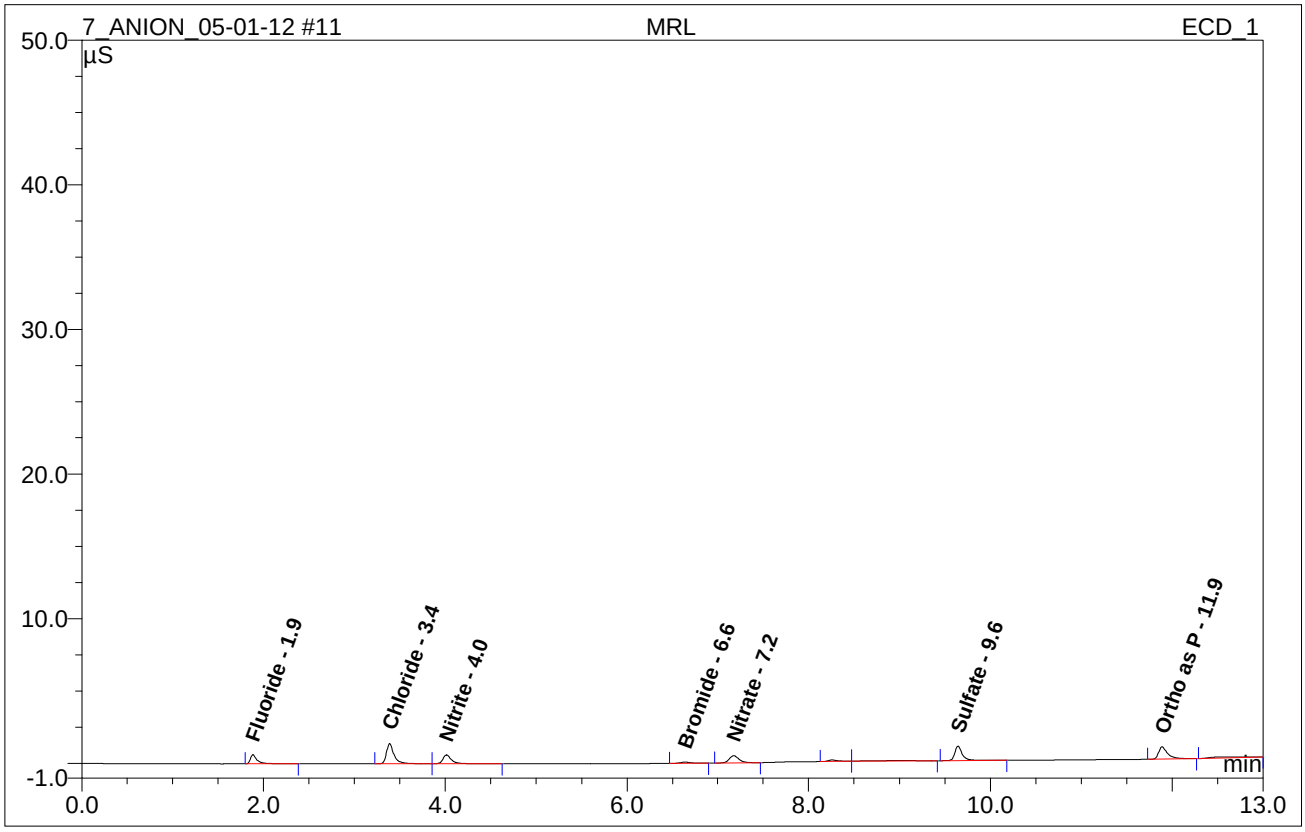


No.	Ret.Time min	Peak Name	Height µS	Area µS*min	Rel.Area %	Amount mg/L	Type
1	1.88	Fluoride	0.030	0.002	2.78	-0.015	BMB
4	11.90	Ortho as P	0.310	0.039	43.36	-0.169	BMB
Total:			0.340	0.041	46.14	-0.184	

11 MRL

EMK

Sample Name:	**MRL**	*Injection Volume:*	**10.0**
Vial Number:	**94**	*Channel:*	**ECD_1**
Sample Type:	**unknown**	*Wavelength:*	**n.a.**
Control Program:	**7 anion program 12-02-03**	*Bandwidth:*	**n.a.**
Quantif. Method:	**7 ANION AS11**	*Dilution Factor:*	**1.0000**
Recording Time:	**5/1/2012 14:12**	*Sample Weight:*	**1.0000**
Run Time (min):	**13.00**	*Sample Amount:*	**1.0000**

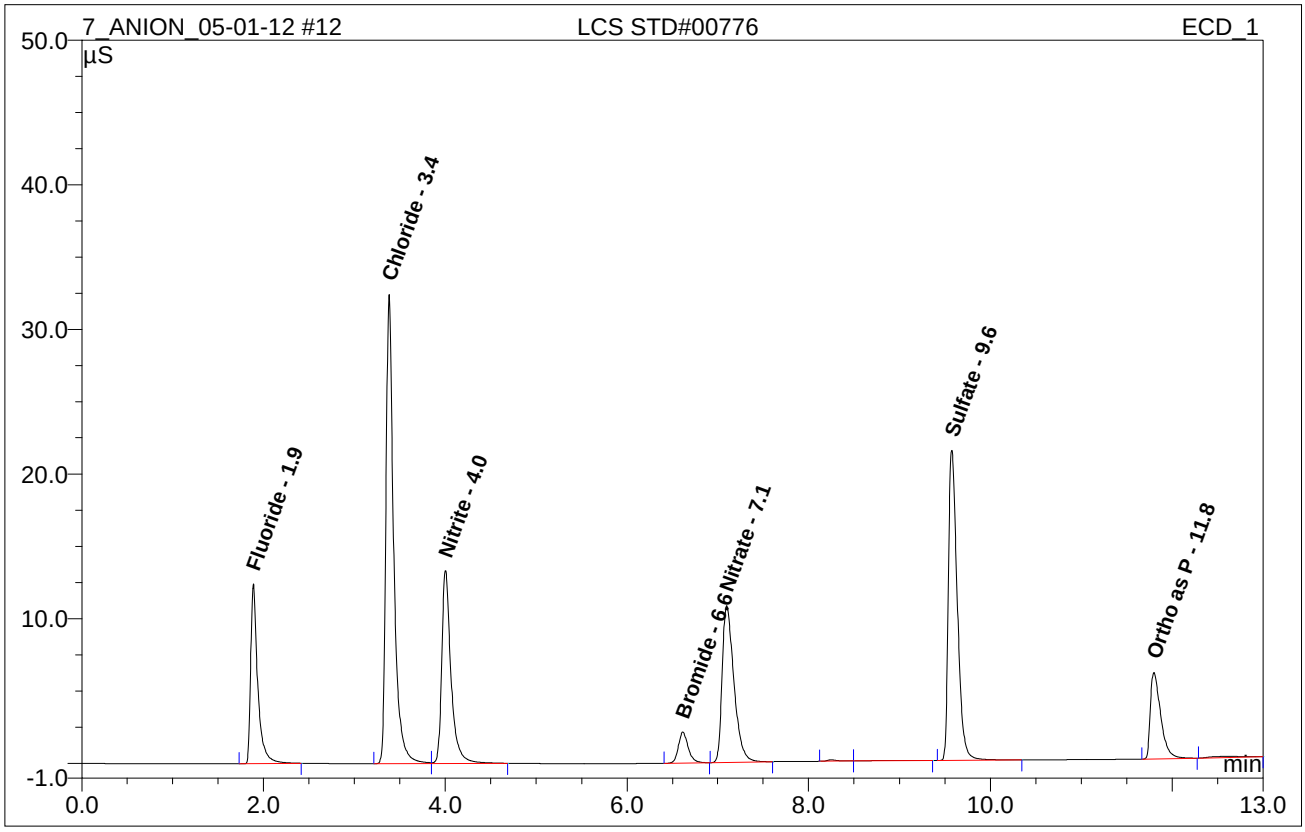


No.	Ret.Time min	Peak Name	Height µS	Area µS*min	Rel.Area %	Amount mg/L	Type
1	1.88	Fluoride	0.621	0.053	9.21	0.212	BMB
2	3.39	Chloride	1.395	0.136	23.76	1.073	BM
3	4.01	Nitrite	0.612	0.067	11.70	0.205	MB
4	6.64	Bromide	0.083	0.010	1.82	0.217	BMB
5	7.18	Nitrate	0.500	0.062	10.86	0.221	BMB
8	9.64	Sulfate	0.997	0.096	16.85	1.122	BMB
9	11.89	Ortho as P	0.849	0.098	17.19	0.230	BMB
Total:			5.056	0.522	91.39	3.280	

12 LCS STD#00776

EMK

Sample Name:	**LCS STD#00776**	*Injection Volume:*	**10.0**
Vial Number:	**94**	*Channel:*	**ECD_1**
Sample Type:	**unknown**	*Wavelength:*	**n.a.**
Control Program:	**7 anion program 12-02-03**	*Bandwidth:*	**n.a.**
Quantif. Method:	**7 ANION AS11**	*Dilution Factor:*	**1.0000**
Recording Time:	**5/1/2012 14:29**	*Sample Weight:*	**1.0000**
Run Time (min):	**13.00**	*Sample Amount:*	**1.0000**

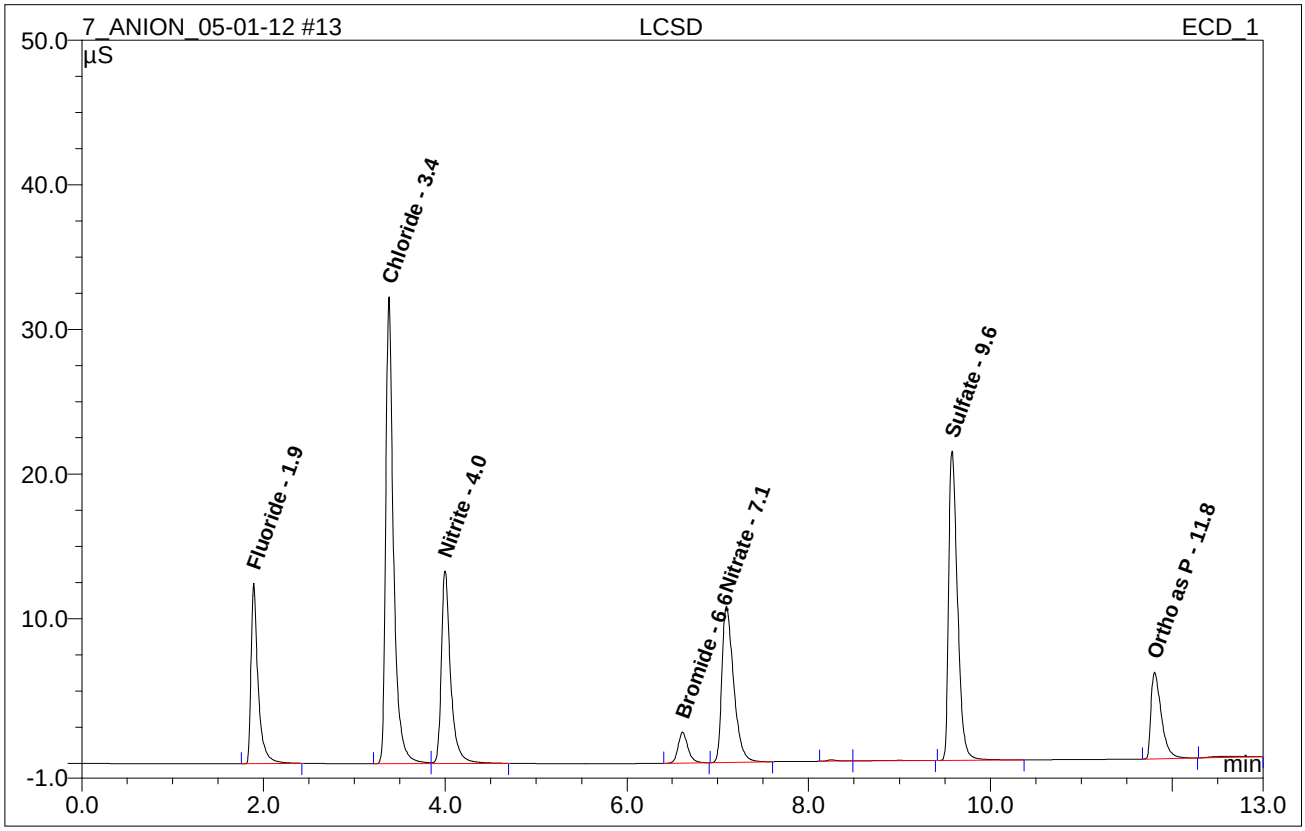


No.	Ret.Time min	Peak Name	Height µS	Area µS*min	Rel.Area %	Amount mg/L	Type
1	1.89	Fluoride	12.428	1.120	10.11	5.051	BMB
2	3.38	Chloride	32.424	3.231	29.16	24.882	BM
3	4.00	Nitrite	13.310	1.565	14.12	5.020	MB
4	6.61	Bromide	2.148	0.268	2.42	4.828	BMB
5	7.10	Nitrate	10.834	1.626	14.68	4.945	BMB
8	9.58	Sulfate	21.425	2.433	21.96	24.914	BMB
9	11.80	Ortho as P	5.976	0.789	7.12	4.854	BMB
Total:			98.545	11.033	99.57	74.495	

13 LCSD

EMK

Sample Name:	**LCSD**	*Injection Volume:*	**10.0**
Vial Number:	**94**	*Channel:*	**ECD_1**
Sample Type:	**unknown**	*Wavelength:*	**n.a.**
Control Program:	**7 anion program 12-02-03**	*Bandwidth:*	**n.a.**
Quantif. Method:	**7 ANION AS11**	*Dilution Factor:*	**1.0000**
Recording Time:	**5/1/2012 14:47**	*Sample Weight:*	**1.0000**
Run Time (min):	**13.00**	*Sample Amount:*	**1.0000**

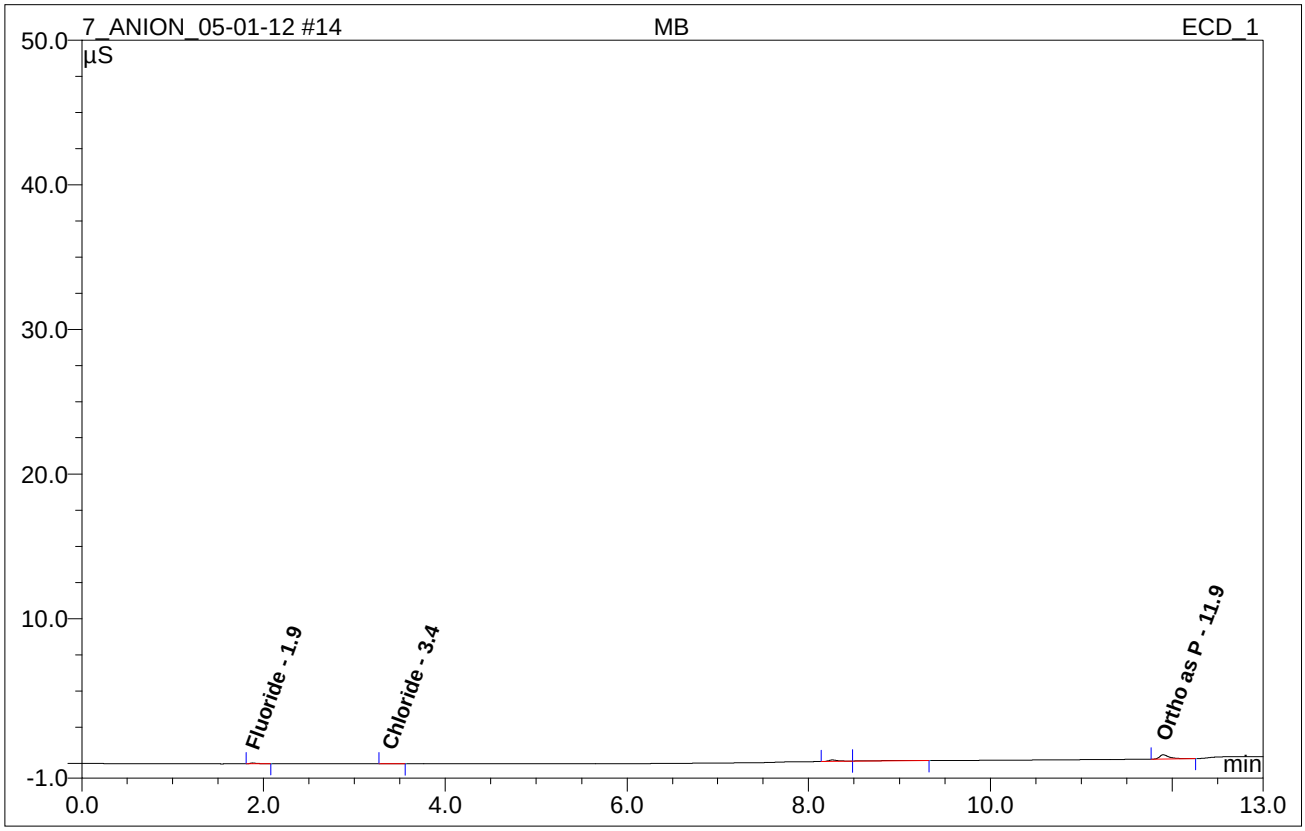


No.	Ret.Time min	Peak Name	Height µS	Area µS*min	Rel.Area %	Amount mg/L	Type
1	1.89	Fluoride	12.470	1.124	10.18	5.067	BMB
2	3.38	Chloride	32.266	3.216	29.12	24.763	BM
3	4.00	Nitrite	13.291	1.564	14.16	5.018	MB
4	6.61	Bromide	2.136	0.267	2.42	4.809	BMB
5	7.09	Nitrate	10.785	1.616	14.64	4.915	BMB
8	9.58	Sulfate	21.370	2.420	21.91	24.773	BMB
9	11.81	Ortho as P	5.984	0.790	7.16	4.862	BMB
Total:			98.301	10.996	99.58	74.207	

14 MB

EMK

Sample Name:	**MB**	*Injection Volume:*	**10.0**
Vial Number:	**86**	*Channel:*	**ECD_1**
Sample Type:	**unknown**	*Wavelength:*	**n.a.**
Control Program:	**7 anion program 12-02-03**	*Bandwidth:*	**n.a.**
Quantif. Method:	**7 ANION AS11**	*Dilution Factor:*	**1.0000**
Recording Time:	**5/1/2012 15:04**	*Sample Weight:*	**1.0000**
Run Time (min):	**13.00**	*Sample Amount:*	**1.0000**

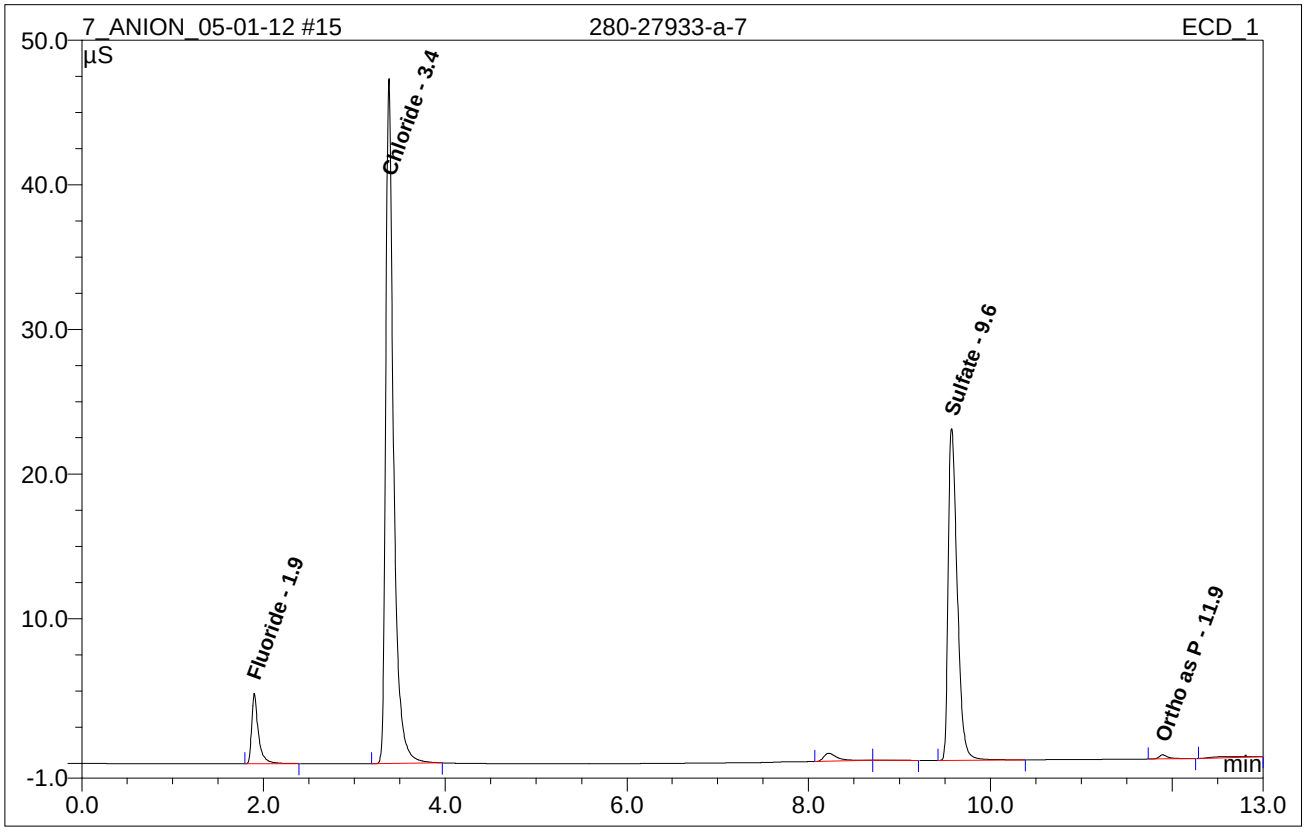


No.	Ret.Time min	Peak Name	Height µS	Area µS*min	Rel.Area %	Amount mg/L	Type
1	1.88	Fluoride	0.053	0.004	7.16	-0.007	BMB
2	3.39	Chloride	0.009	0.001	1.39	0.035	BMB
5	11.90	Ortho as P	0.297	0.036	60.36	-0.184	BMB
Total:			0.358	0.042	68.91	-0.155	

15 280-27933-a-7

EMK

Sample Name:	**280-27933-a-7**	*Injection Volume:*	**10.0**
Vial Number:	**83**	*Channel:*	**ECD_1**
Sample Type:	**unknown**	*Wavelength:*	**n.a.**
Control Program:	**7 anion program 12-02-03**	*Bandwidth:*	**n.a.**
Quantif. Method:	**7 ANION AS11**	*Dilution Factor:*	**1.0000**
Recording Time:	**5/1/2012 15:21**	*Sample Weight:*	**1.0000**
Run Time (min):	**13.00**	*Sample Amount:*	**1.0000**

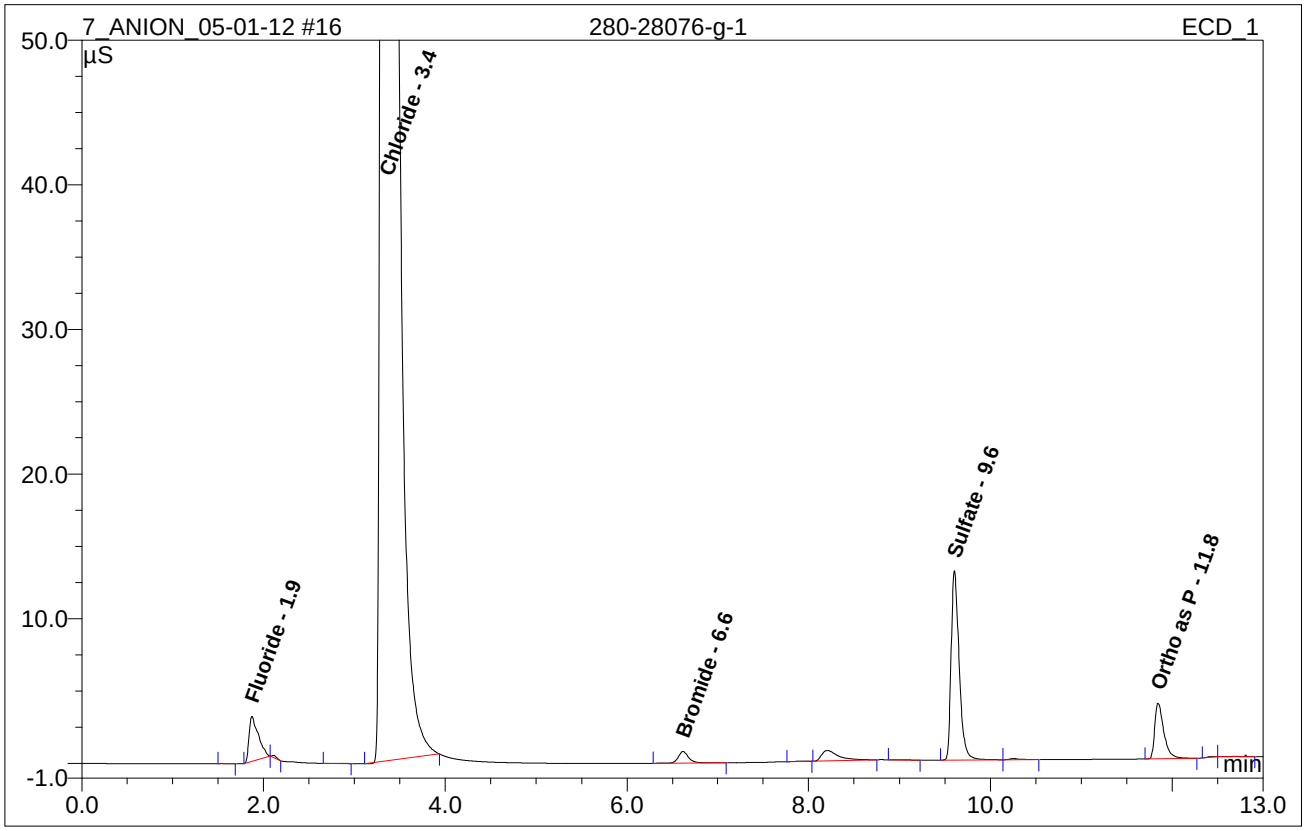


No.	Ret.Time min	Peak Name	Height µS	Area µS*min	Rel.Area %	Amount mg/L	Type
1	1.90	Fluoride	4.856	0.416	5.20	1.858	BMB
2	3.38	Chloride	47.341	4.761	59.54	36.645	BMB
5	9.57	Sulfate	22.910	2.656	33.22	27.184	BMB
6	11.90	Ortho as P	0.284	0.032	0.40	-0.211	BMB
Total:			75.391	7.865	98.37	65.476	

16 280-28076-g-1

EMK

Sample Name:	**280-28076-g-1**	*Injection Volume:*	**10.0**
Vial Number:	**83**	*Channel:*	**ECD_1**
Sample Type:	**unknown**	*Wavelength:*	**n.a.**
Control Program:	**7 anion program 12-02-03**	*Bandwidth:*	**n.a.**
Quantif. Method:	**7 ANION AS11**	*Dilution Factor:*	**1.0000**
Recording Time:	**5/1/2012 15:39**	*Sample Weight:*	**1.0000**
Run Time (min):	**13.00**	*Sample Amount:*	**1.0000**

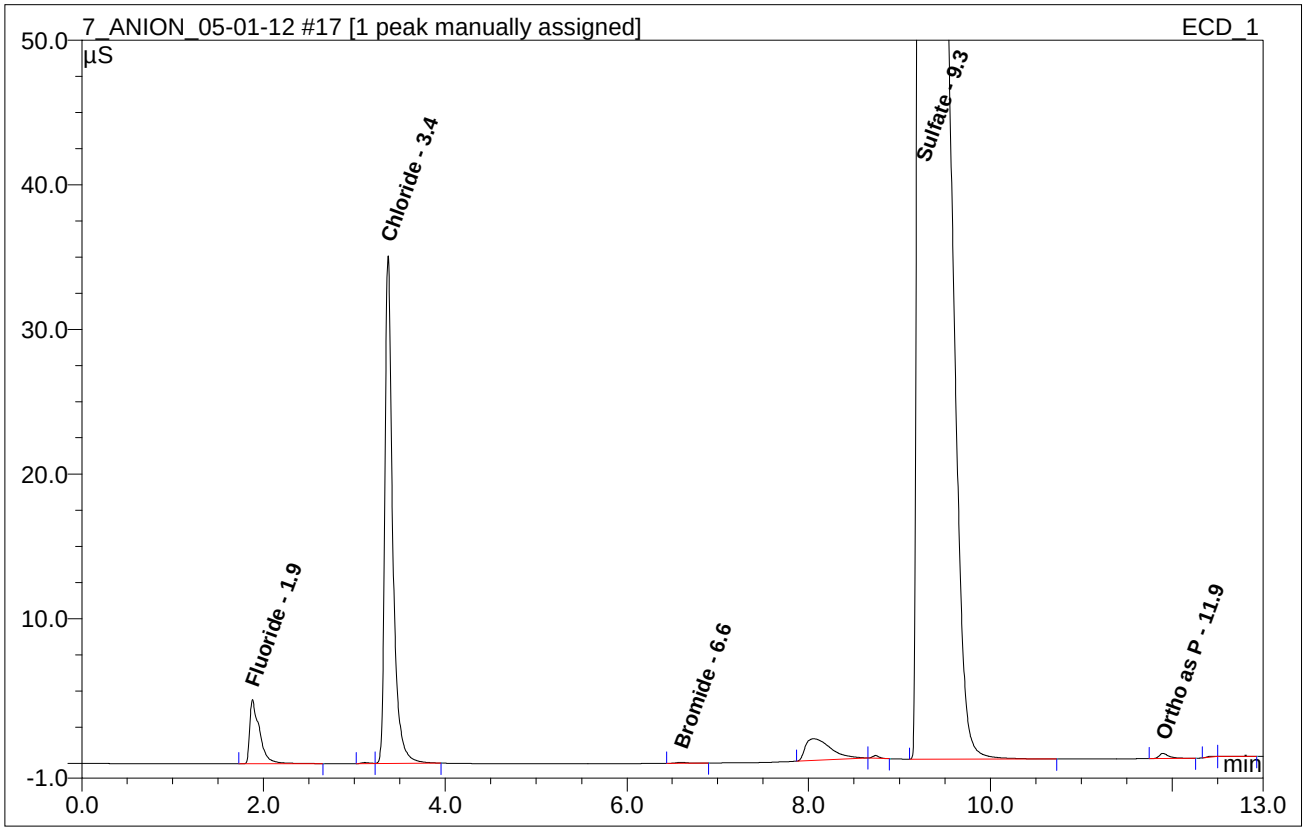


No.	Ret.Time min	Peak Name	Height µS	Area µS*min	Rel.Area %	Amount mg/L	Type
2	1.87	Fluoride	3.102	0.367	0.53	1.636	BMb
5	3.35	Chloride	620.561	67.026	96.49	515.552	BMB
6	6.62	Bromide	0.804	0.104	0.15	1.893	BMB
10	9.60	Sulfate	13.076	1.338	1.93	13.759	BMb
12	11.85	Ortho as P	3.839	0.445	0.64	2.552	BMB
Total:			641.381	69.279	99.73	535.391	

17 280-28131-h-1

EMK

Sample Name:	**280-28131-h-1**	*Injection Volume:*	**10.0**
Vial Number:	**84**	*Channel:*	**ECD_1**
Sample Type:	**unknown**	*Wavelength:*	**n.a.**
Control Program:	**7 anion program 12-02-03**	*Bandwidth:*	**n.a.**
Quantif. Method:	**7 ANION AS11**	*Dilution Factor:*	**1.0000**
Recording Time:	**5/1/2012 15:56**	*Sample Weight:*	**1.0000**
Run Time (min):	**13.00**	*Sample Amount:*	**1.0000**

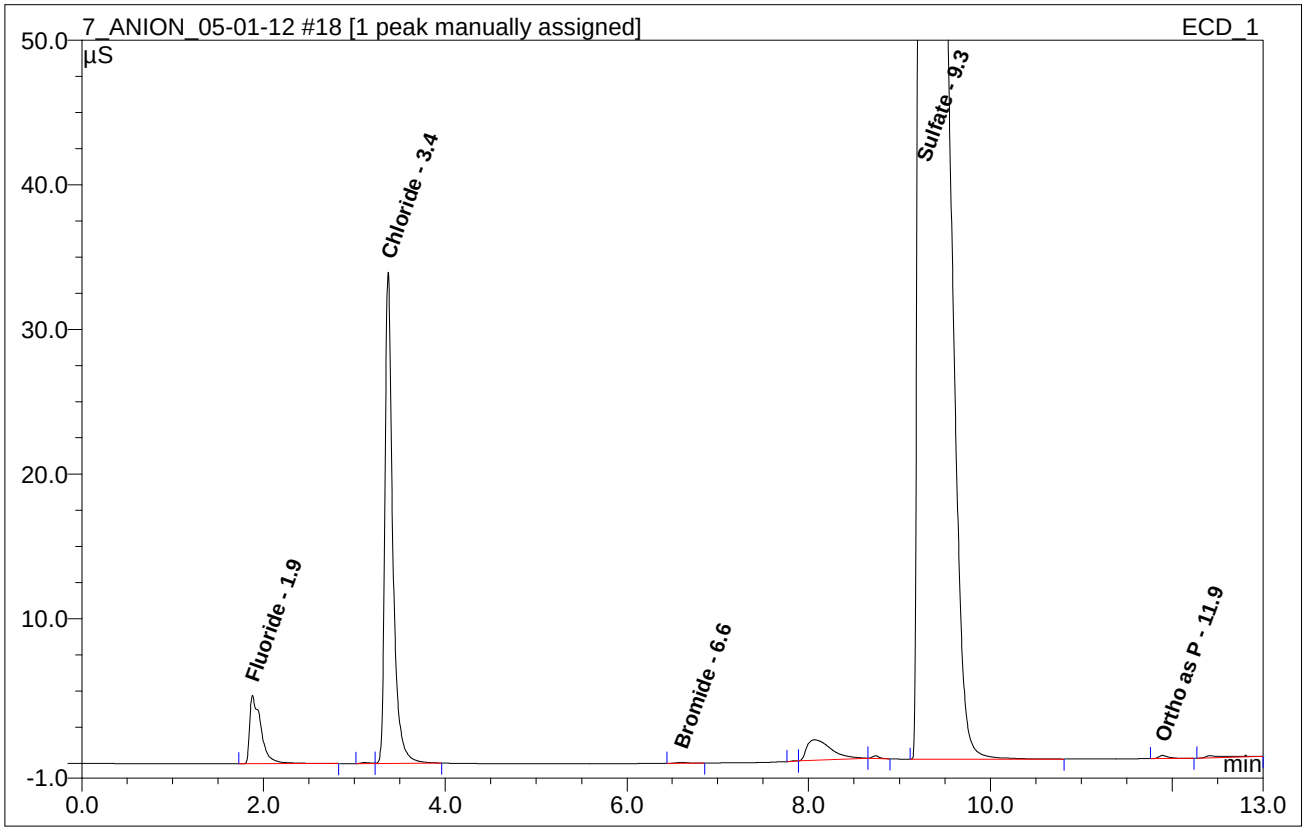


No.	Ret.Time min	Peak Name	Height µS	Area µS*min	Rel.Area %	Amount mg/L	Type
1	1.88	Fluoride	4.422	0.553	1.25	2.482	BMB
3	3.37	Chloride	35.100	3.510	7.90	27.027	MB
4	6.60	Bromide	0.066	0.008	0.02	0.178	BMB
7	9.26	Sulfate	131.991	39.786	89.58	405.167	BMB^
8	11.90	Ortho as P	0.359	0.044	0.10	-0.133	BMB
Total:			171.938	43.902	98.84	434.721	

18 280-28131-h-3

EMK

Sample Name:	**280-28131-h-3**	*Injection Volume:*	**10.0**
Vial Number:	**84**	*Channel:*	**ECD_1**
Sample Type:	**unknown**	*Wavelength:*	**n.a.**
Control Program:	**7 anion program 12-02-03**	*Bandwidth:*	**n.a.**
Quantif. Method:	**7 ANION AS11**	*Dilution Factor:*	**1.0000**
Recording Time:	**5/1/2012 16:13**	*Sample Weight:*	**1.0000**
Run Time (min):	**13.00**	*Sample Amount:*	**1.0000**

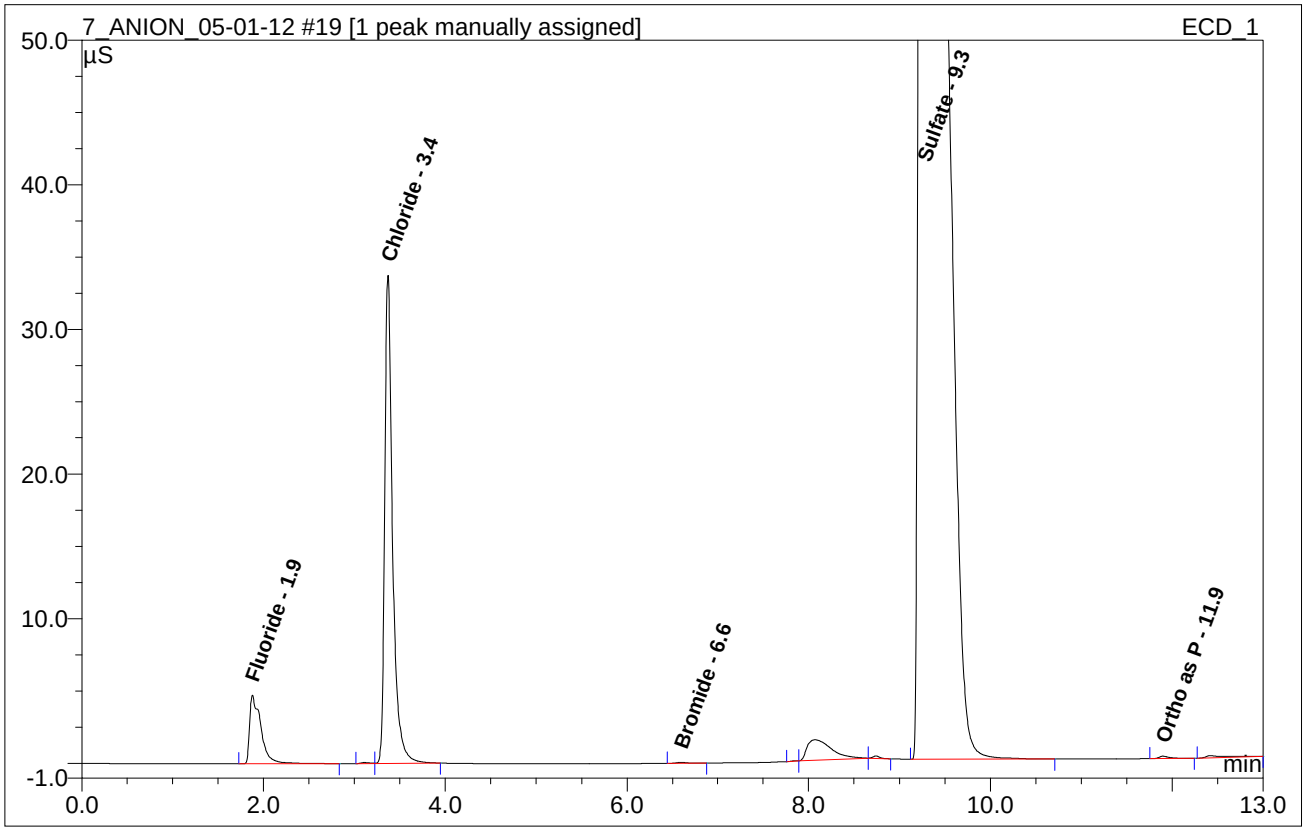


No.	Ret.Time min	Peak Name	Height µS	Area µS*min	Rel.Area %	Amount mg/L	Type
1	1.88	Fluoride	4.719	0.677	1.61	3.042	BMB
3	3.37	Chloride	33.965	3.400	8.07	26.181	MB
4	6.60	Bromide	0.063	0.008	0.02	0.168	BMB
8	9.27	Sulfate	128.305	37.508	89.05	381.976	BMB^
9	11.89	Ortho as P	0.213	0.026	0.06	-0.252	BMB
Total:			167.265	41.619	98.81	411.114	

19 280-28131-u-4

EMK

Sample Name:	**280-28131-u-4**	*Injection Volume:*	**10.0**
Vial Number:	**84**	*Channel:*	**ECD_1**
Sample Type:	**unknown**	*Wavelength:*	**n.a.**
Control Program:	**7 anion program 12-02-03**	*Bandwidth:*	**n.a.**
Quantif. Method:	**7 ANION AS11**	*Dilution Factor:*	**1.0000**
Recording Time:	**5/1/2012 16:31**	*Sample Weight:*	**1.0000**
Run Time (min):	**13.00**	*Sample Amount:*	**1.0000**

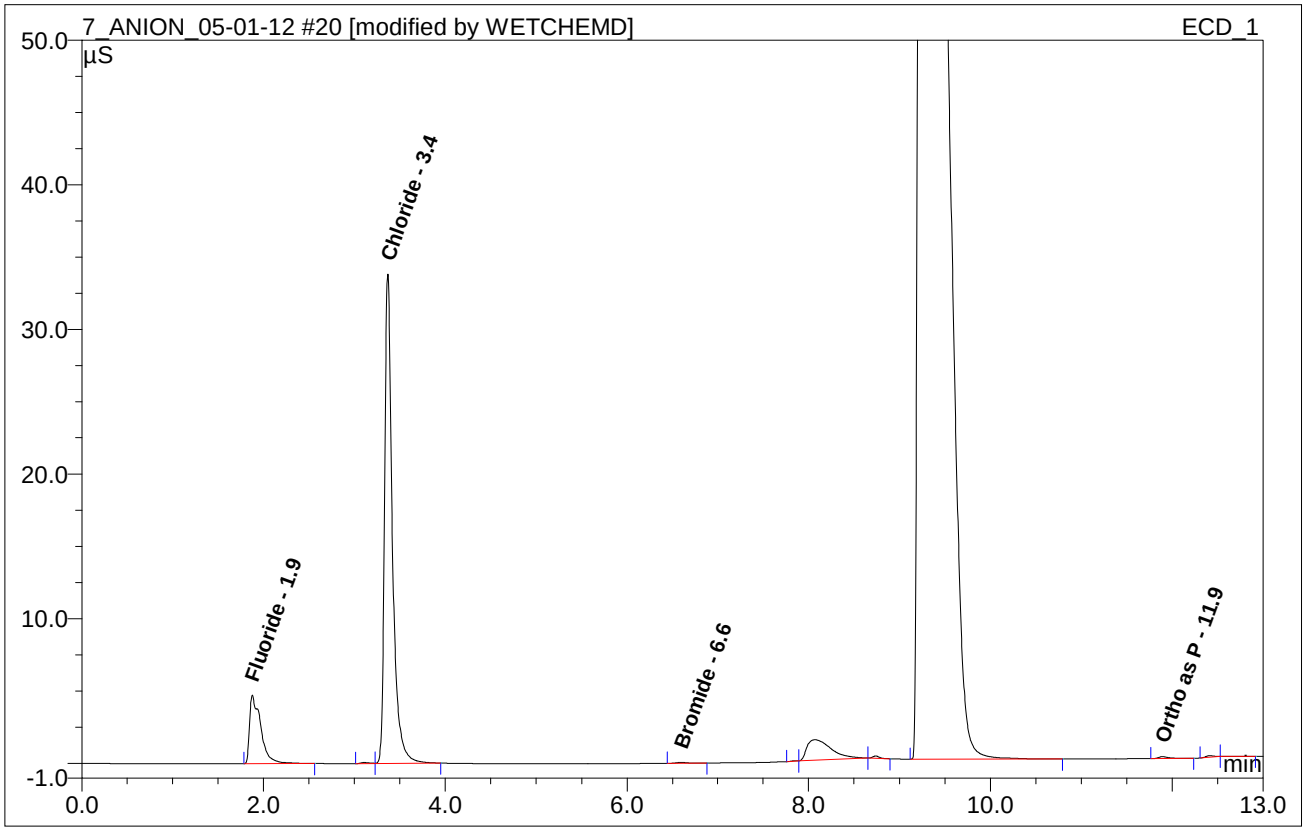


No.	Ret.Time min	Peak Name	Height µS	Area µS*min	Rel.Area %	Amount mg/L	Type
1	1.88	Fluoride	4.733	0.682	1.62	3.066	BMB
3	3.37	Chloride	33.732	3.383	8.06	26.052	MB
4	6.60	Bromide	0.062	0.008	0.02	0.167	BMB
8	9.28	Sulfate	128.058	37.389	89.05	380.760	BMB^
9	11.90	Ortho as P	0.166	0.021	0.05	-0.285	BMB
Total:			166.750	41.483	98.80	409.761	

20 DU 280-28131-u-4

EMK

Sample Name:	**DU 280-28131-u-4**	*Injection Volume:*	**10.0**
Vial Number:	**84**	*Channel:*	**ECD_1**
Sample Type:	**unknown**	*Wavelength:*	**n.a.**
Control Program:	**7 anion program 12-02-03**	*Bandwidth:*	**n.a.**
Quantif. Method:	**7 ANION AS11**	*Dilution Factor:*	**1.0000**
Recording Time:	**5/1/2012 16:48**	*Sample Weight:*	**1.0000**
Run Time (min):	**13.00**	*Sample Amount:*	**1.0000**

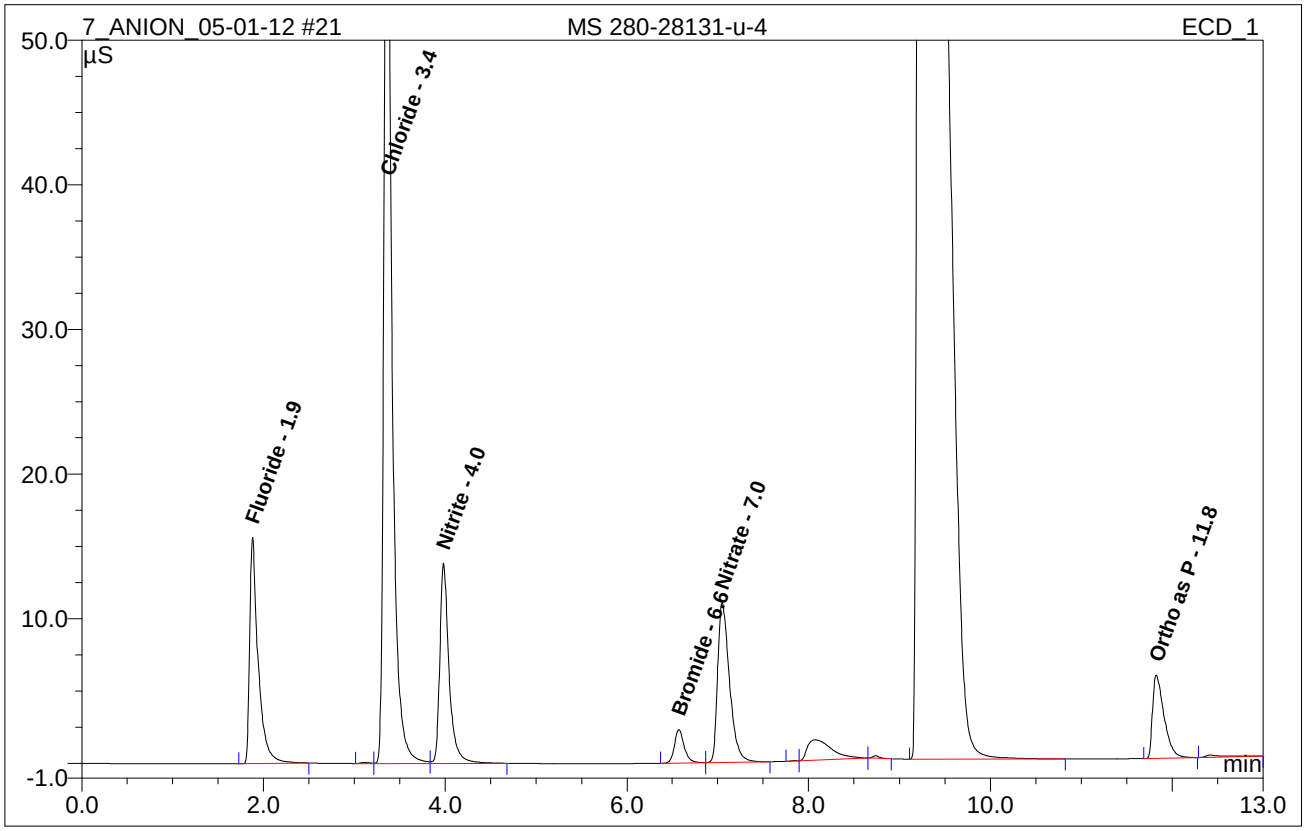


No.	Ret.Time min	Peak Name	Height µS	Area µS*min	Rel.Area %	Amount mg/L	Type
1	1.87	Fluoride	4.729	0.675	1.61	3.033	BMB*
3	3.37	Chloride	33.828	3.387	8.06	26.077	MB
4	6.60	Bromide	0.062	0.008	0.02	0.166	BMB
9	11.89	Ortho as P	0.133	0.016	0.04	-0.319	BMB
Total:			38.752	4.085	9.73	28.956	

21 MS 280-28131-u-4

EMK

Sample Name:	**MS 280-28131-u-4**	*Injection Volume:*	**10.0**
Vial Number:	**84**	*Channel:*	**ECD_1**
Sample Type:	**unknown**	*Wavelength:*	**n.a.**
Control Program:	**7 anion program 12-02-03**	*Bandwidth:*	**n.a.**
Quantif. Method:	**7 ANION AS11**	*Dilution Factor:*	**1.0000**
Recording Time:	**5/1/2012 17:05**	*Sample Weight:*	**1.0000**
Run Time (min):	**13.00**	*Sample Amount:*	**1.0000**

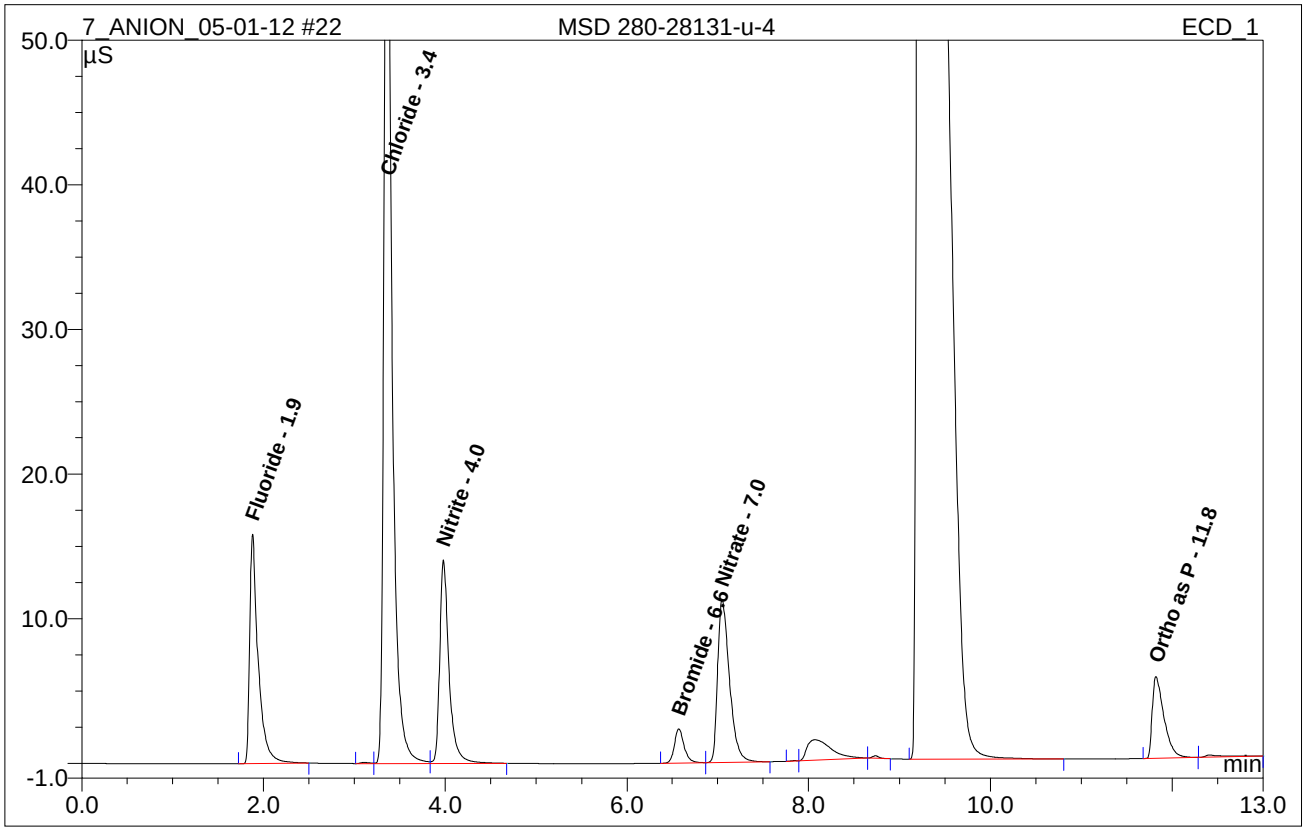


No.	Ret.Time min	Peak Name	Height µS	Area µS*min	Rel.Area %	Amount mg/L	Type
1	1.88	Fluoride	15.631	1.692	3.19	7.645	BMB
3	3.36	Chloride	66.588	6.803	12.84	52.355	M
4	3.98	Nitrite	13.832	1.635	3.09	5.245	MB
5	6.57	Bromide	2.308	0.287	0.54	5.165	BM
6	7.05	Nitrate	11.031	1.662	3.14	5.054	MB
11	11.83	Ortho as P	5.754	0.841	1.59	5.201	BMB
Total:			115.144	12.920	24.39	80.665	

22 MSD 280-28131-u-4

EMK

Sample Name:	**MSD 280-28131-u-4**	*Injection Volume:*	**10.0**
Vial Number:	**85**	*Channel:*	**ECD_1**
Sample Type:	**unknown**	*Wavelength:*	**n.a.**
Control Program:	**7 anion program 12-02-03**	*Bandwidth:*	**n.a.**
Quantif. Method:	**7 ANION AS11**	*Dilution Factor:*	**1.0000**
Recording Time:	**5/1/2012 17:22**	*Sample Weight:*	**1.0000**
Run Time (min):	**13.00**	*Sample Amount:*	**1.0000**

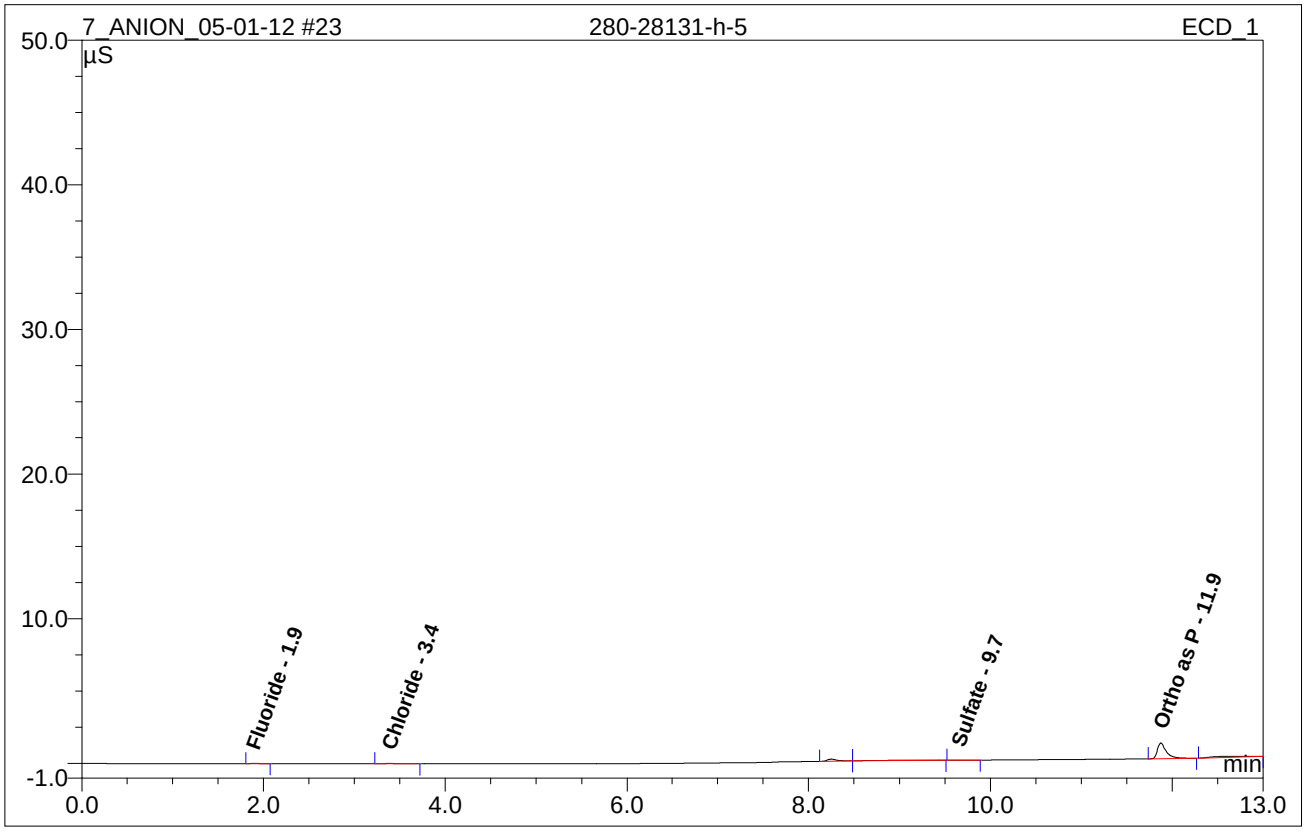


No.	Ret.Time min	Peak Name	Height µS	Area µS*min	Rel.Area %	Amount mg/L	Type
1	1.88	Fluoride	15.848	1.714	3.22	7.745	BMB
3	3.36	Chloride	67.208	6.870	12.91	52.867	M
4	3.98	Nitrite	14.062	1.665	3.13	5.342	MB
5	6.57	Bromide	2.359	0.293	0.55	5.268	BM
6	7.05	Nitrate	11.226	1.695	3.19	5.153	MB
11	11.82	Ortho as P	5.644	0.840	1.58	5.198	BMB
Total:			116.347	13.077	24.58	81.572	

23 280-28131-h-5

EMK

Sample Name:	**280-28131-h-5**	*Injection Volume:*	**10.0**
Vial Number:	**84**	*Channel:*	**ECD_1**
Sample Type:	**unknown**	*Wavelength:*	**n.a.**
Control Program:	**7 anion program 12-02-03**	*Bandwidth:*	**n.a.**
Quantif. Method:	**7 ANION AS11**	*Dilution Factor:*	**1.0000**
Recording Time:	**5/1/2012 17:40**	*Sample Weight:*	**1.0000**
Run Time (min):	**13.00**	*Sample Amount:*	**1.0000**

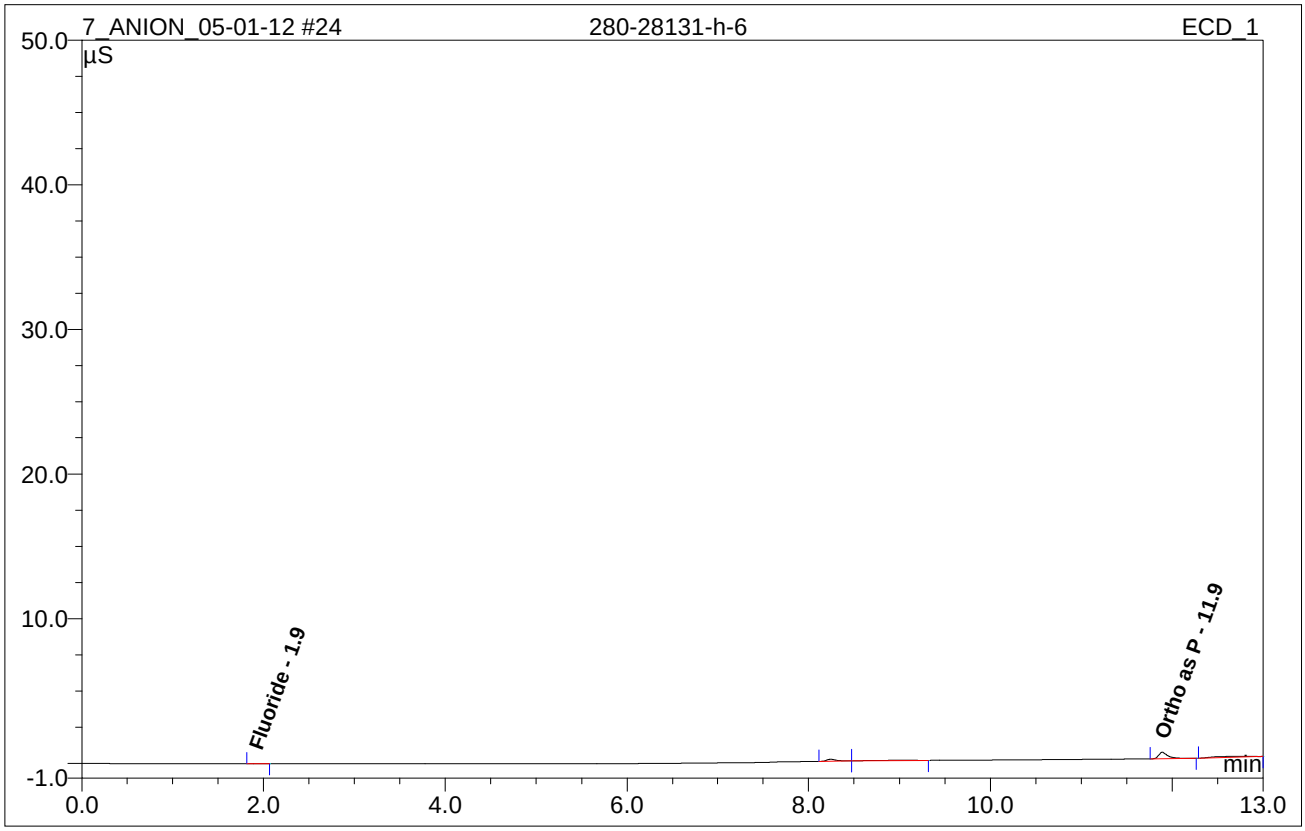


No.	Ret.Time min	Peak Name	Height µS	Area µS*min	Rel.Area %	Amount mg/L	Type
1	1.89	Fluoride	0.026	0.003	1.40	-0.014	BMB
2	3.38	Chloride	0.026	0.003	1.37	0.048	BMB
5	9.65	Sulfate	0.012	0.001	0.73	0.156	BMB
6	11.88	Ortho as P	1.095	0.123	66.67	0.396	BMB
Total:			1.159	0.130	70.17	0.587	

24 280-28131-h-6

EMK

Sample Name:	**280-28131-h-6**	*Injection Volume:*	**10.0**
Vial Number:	**85**	*Channel:*	**ECD_1**
Sample Type:	**unknown**	*Wavelength:*	**n.a.**
Control Program:	**7 anion program 12-02-03**	*Bandwidth:*	**n.a.**
Quantif. Method:	**7 ANION AS11**	*Dilution Factor:*	**1.0000**
Recording Time:	**5/1/2012 17:57**	*Sample Weight:*	**1.0000**
Run Time (min):	**13.00**	*Sample Amount:*	**1.0000**

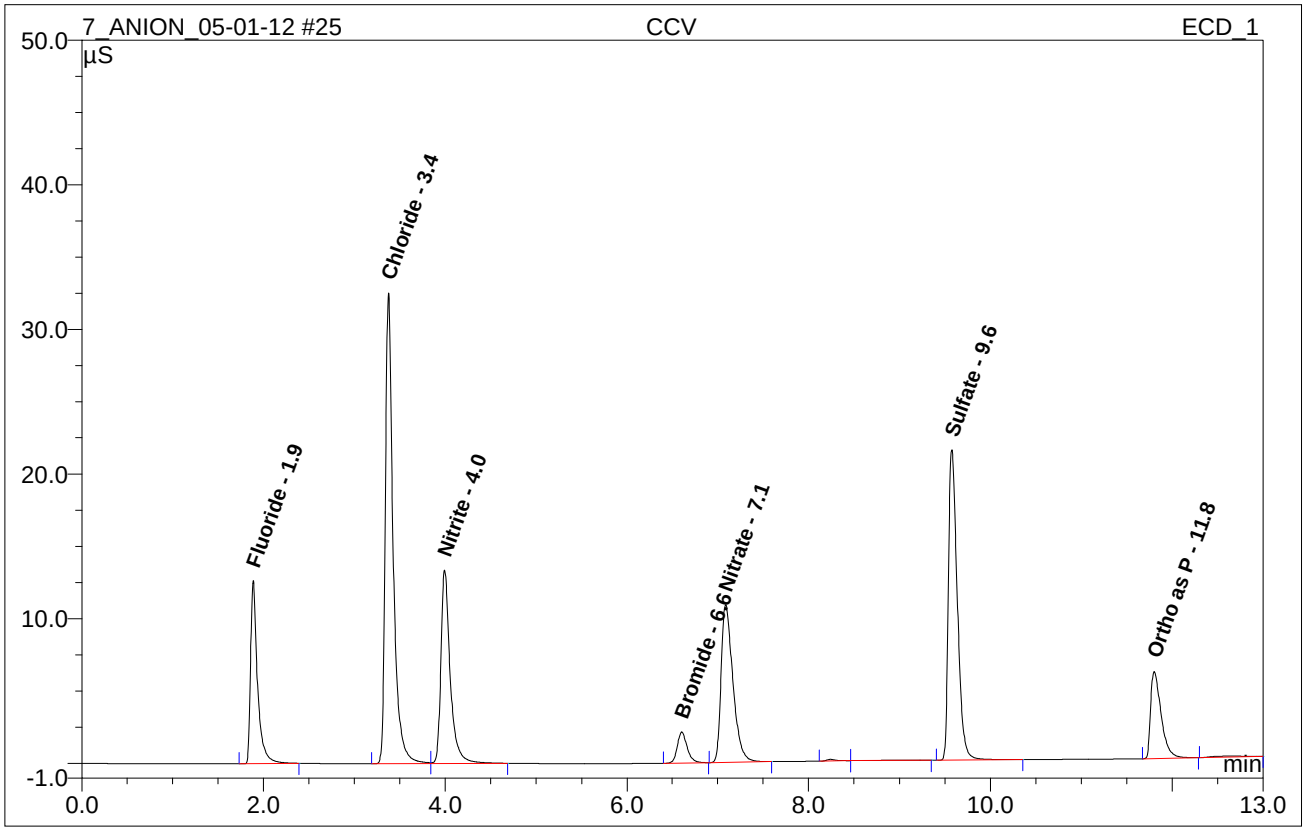


No.	Ret.Time min	Peak Name	Height µS	Area µS*min	Rel.Area %	Amount mg/L	Type
1	1.92	Fluoride	0.008	0.001	0.88	-0.022	BMB
4	11.89	Ortho as P	0.450	0.052	49.67	-0.077	BMB
Total:			0.457	0.053	50.56	-0.099	

25 CCV

EMK

Sample Name:	**CCV**	*Injection Volume:*	**10.0**
Vial Number:	**83**	*Channel:*	**ECD_1**
Sample Type:	**unknown**	*Wavelength:*	**n.a.**
Control Program:	**7 anion program 12-02-03**	*Bandwidth:*	**n.a.**
Quantif. Method:	**7 ANION AS11**	*Dilution Factor:*	**1.0000**
Recording Time:	**5/1/2012 18:14**	*Sample Weight:*	**1.0000**
Run Time (min):	**13.00**	*Sample Amount:*	**1.0000**

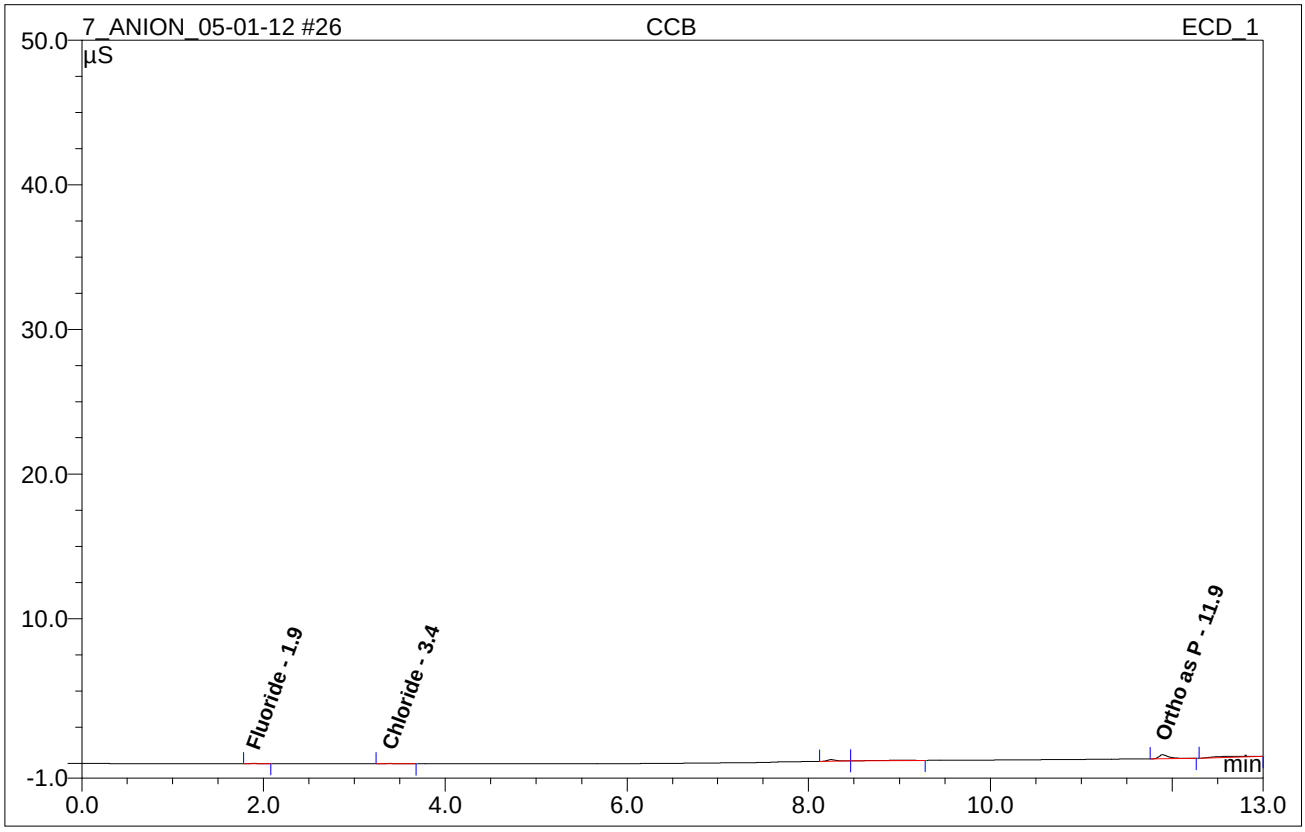


No.	Ret.Time min	Peak Name	Height µS	Area µS*min	Rel.Area %	Amount mg/L	Type
1	1.89	Fluoride	12.640	1.120	10.03	5.049	BMB
2	3.37	Chloride	32.535	3.262	29.22	25.116	BM
3	3.99	Nitrite	13.349	1.581	14.16	5.072	MB
4	6.60	Bromide	2.156	0.270	2.42	4.855	BMB
5	7.09	Nitrate	10.886	1.638	14.68	4.981	BMB
8	9.58	Sulfate	21.435	2.436	21.82	24.936	BMB
9	11.80	Ortho as P	6.022	0.808	7.24	4.984	BMB
Total:			99.023	11.114	99.57	74.993	

26 CCB

EMK

Sample Name:	**CCB**	*Injection Volume:*	**10.0**
Vial Number:	**83**	*Channel:*	**ECD_1**
Sample Type:	**unknown**	*Wavelength:*	**n.a.**
Control Program:	**7 anion program 12-02-03**	*Bandwidth:*	**n.a.**
Quantif. Method:	**7 ANION AS11**	*Dilution Factor:*	**1.0000**
Recording Time:	**5/1/2012 18:32**	*Sample Weight:*	**1.0000**
Run Time (min):	**13.00**	*Sample Amount:*	**1.0000**

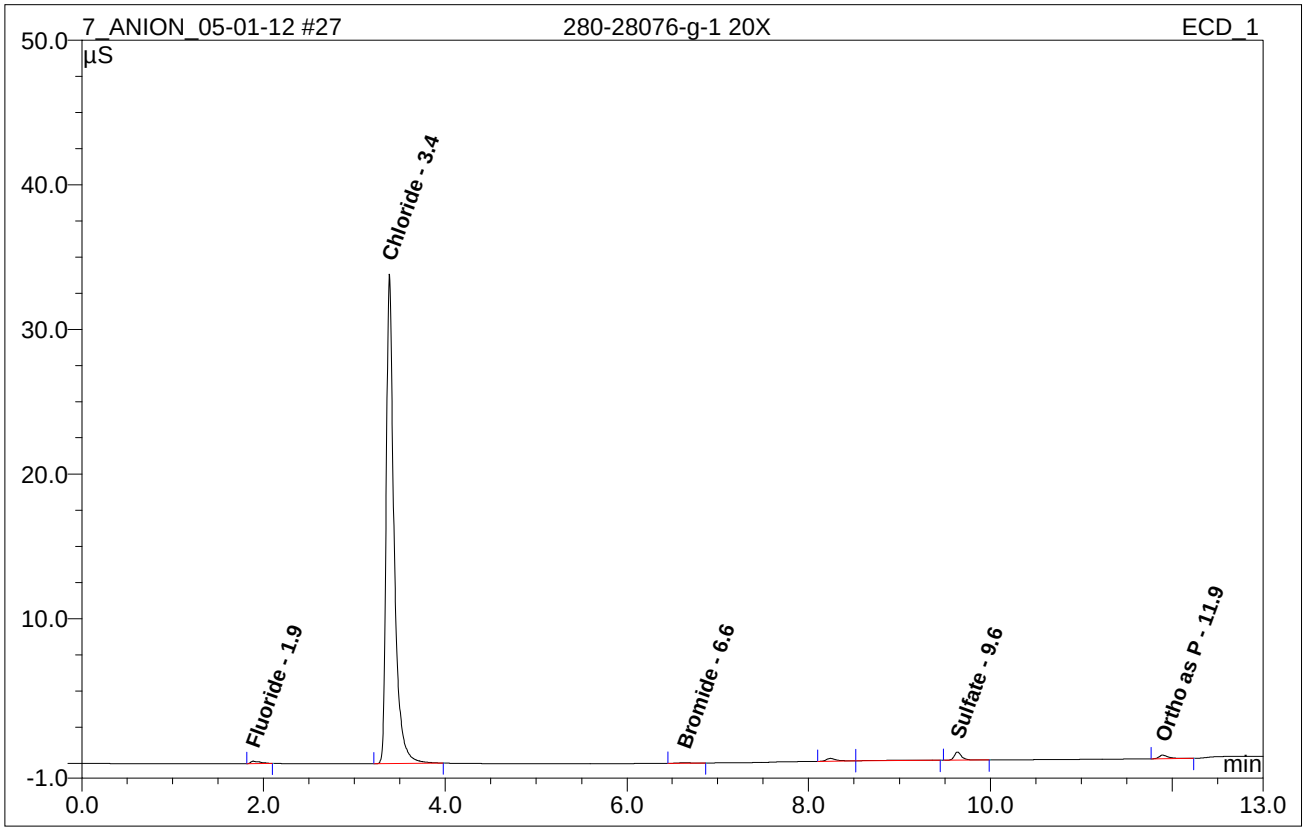


No.	Ret.Time min	Peak Name	Height µS	Area µS*min	Rel.Area %	Amount mg/L	Type
1	1.89	Fluoride	0.016	0.002	1.85	-0.019	BMB
2	3.39	Chloride	0.017	0.002	1.93	0.042	BMB
5	11.90	Ortho as P	0.282	0.035	40.68	-0.193	BMB
Total:			0.315	0.038	44.46	-0.170	

27 280-28076-g-1 20X

EMK

Sample Name:	**280-28076-g-1 20X**	*Injection Volume:*	**10.0**
Vial Number:	**84**	*Channel:*	**ECD_1**
Sample Type:	**unknown**	*Wavelength:*	**n.a.**
Control Program:	**7 anion program 12-02-03**	*Bandwidth:*	**n.a.**
Quantif. Method:	**7 ANION AS11**	*Dilution Factor:*	**20.0000**
Recording Time:	**5/1/2012 18:49**	*Sample Weight:*	**1.0000**
Run Time (min):	**13.00**	*Sample Amount:*	**1.0000**

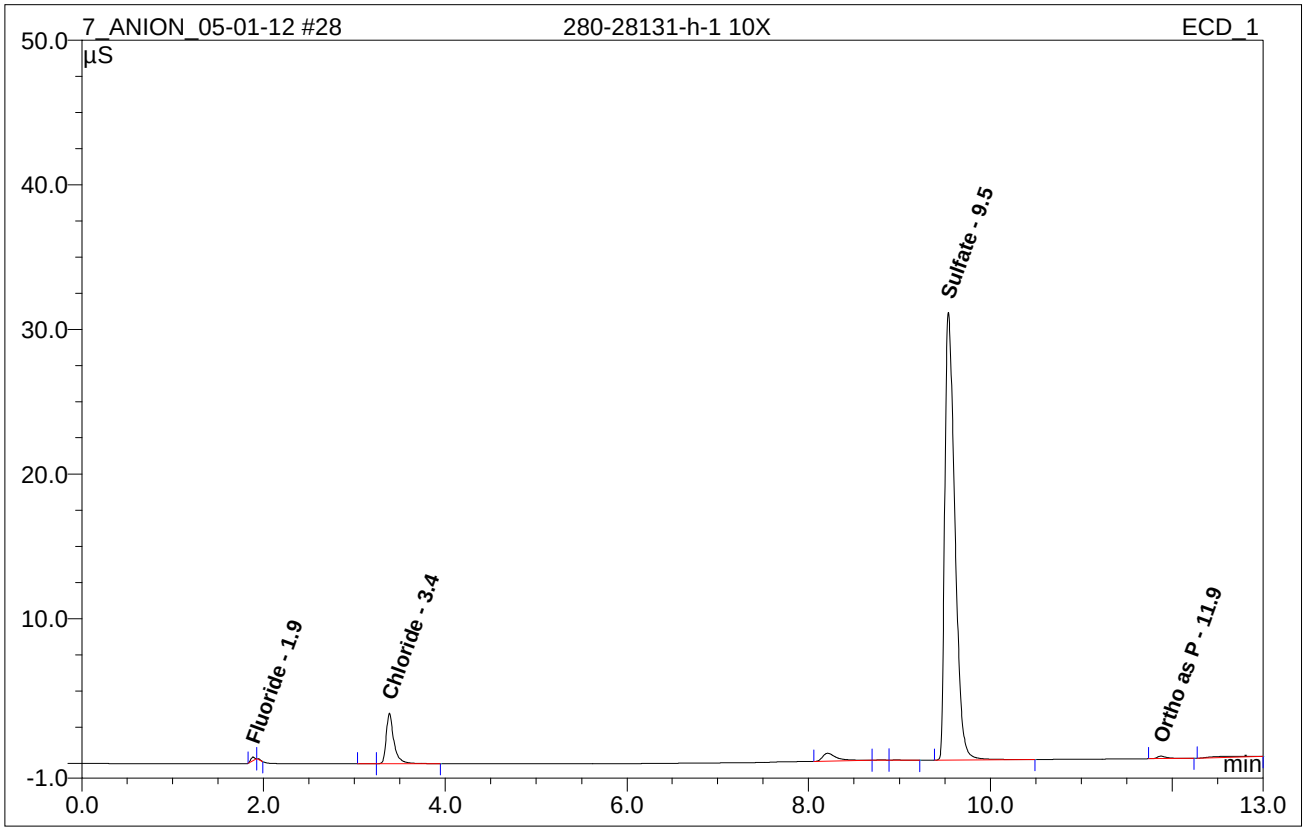


No.	Ret.Time min	Peak Name	Height µS	Area µS*min	Rel.Area %	Amount mg/L	Type
1	1.88	Fluoride	0.168	0.019	0.55	1.226	BMB
2	3.38	Chloride	33.846	3.394	96.13	522.644	BMB
3	6.63	Bromide	0.036	0.005	0.13	2.230	BMB
6	9.64	Sulfate	0.563	0.053	1.50	13.603	BMB
7	11.90	Ortho as P	0.248	0.029	0.81	-4.700	BMB
Total:			34.861	3.499	99.11	535.003	

28 280-28131-h-1 10X

EMK

Sample Name:	**280-28131-h-1 10X**	*Injection Volume:*	**10.0**
Vial Number:	**84**	*Channel:*	**ECD_1**
Sample Type:	**unknown**	*Wavelength:*	**n.a.**
Control Program:	**7 anion program 12-02-03**	*Bandwidth:*	**n.a.**
Quantif. Method:	**7 ANION AS11**	*Dilution Factor:*	**10.0000**
Recording Time:	**5/1/2012 19:06**	*Sample Weight:*	**1.0000**
Run Time (min):	**13.00**	*Sample Amount:*	**1.0000**

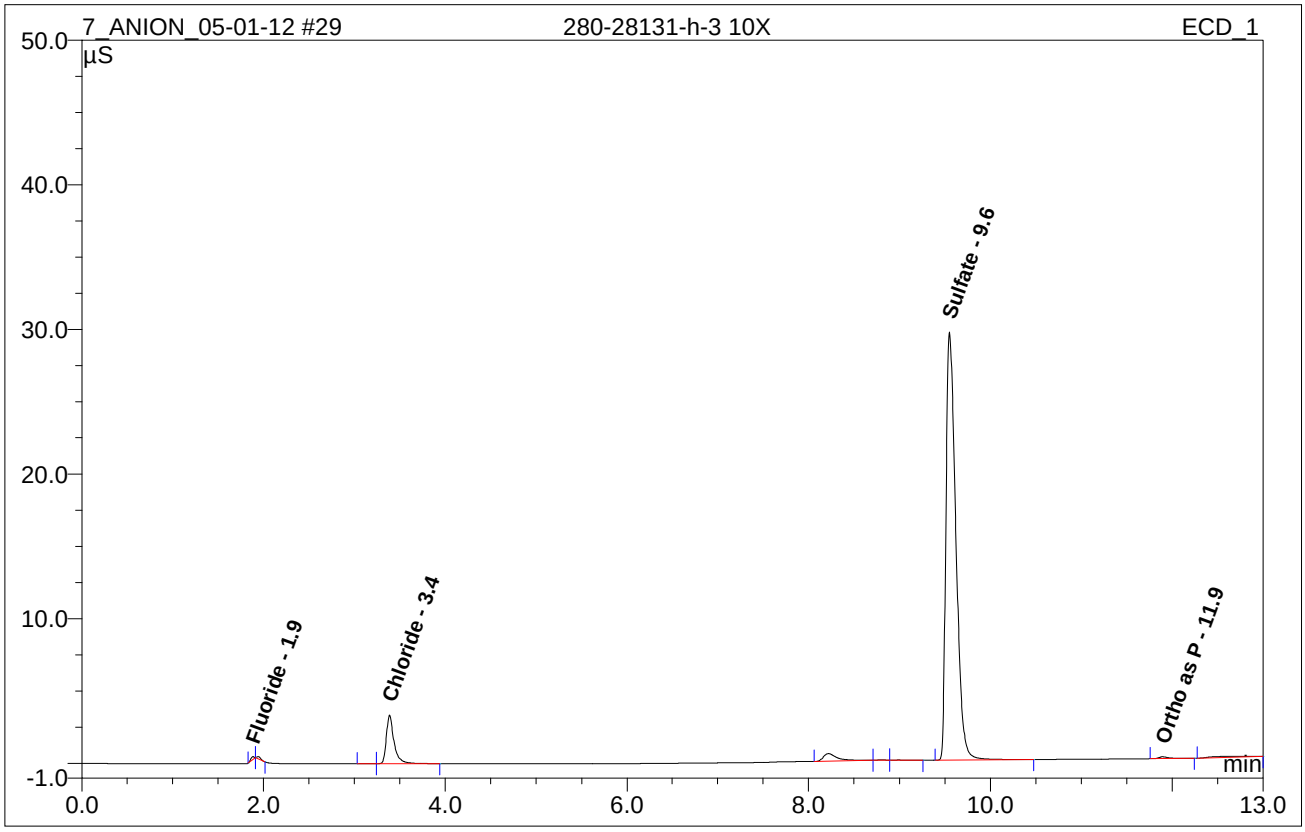


No.	Ret.Time min	Peak Name	Height µS	Area µS*min	Rel.Area %	Amount mg/L	Type
1	1.88	Fluoride	0.245	0.012	0.27	0.282	BMb
4	3.38	Chloride	3.501	0.340	7.58	26.464	MB
8	9.54	Sulfate	30.948	3.985	88.71	407.058	BMB
9	11.88	Ortho as P	0.173	0.021	0.47	-2.847	BMB
Total:			34.867	4.358	97.02	430.957	

29 280-28131-h-3 10X

EMK

Sample Name:	**280-28131-h-3 10X**	*Injection Volume:*	**10.0**
Vial Number:	**84**	*Channel:*	**ECD_1**
Sample Type:	**unknown**	*Wavelength:*	**n.a.**
Control Program:	**7 anion program 12-02-03**	*Bandwidth:*	**n.a.**
Quantif. Method:	**7 ANION AS11**	*Dilution Factor:*	**10.0000**
Recording Time:	**5/1/2012 19:24**	*Sample Weight:*	**1.0000**
Run Time (min):	**13.00**	*Sample Amount:*	**1.0000**

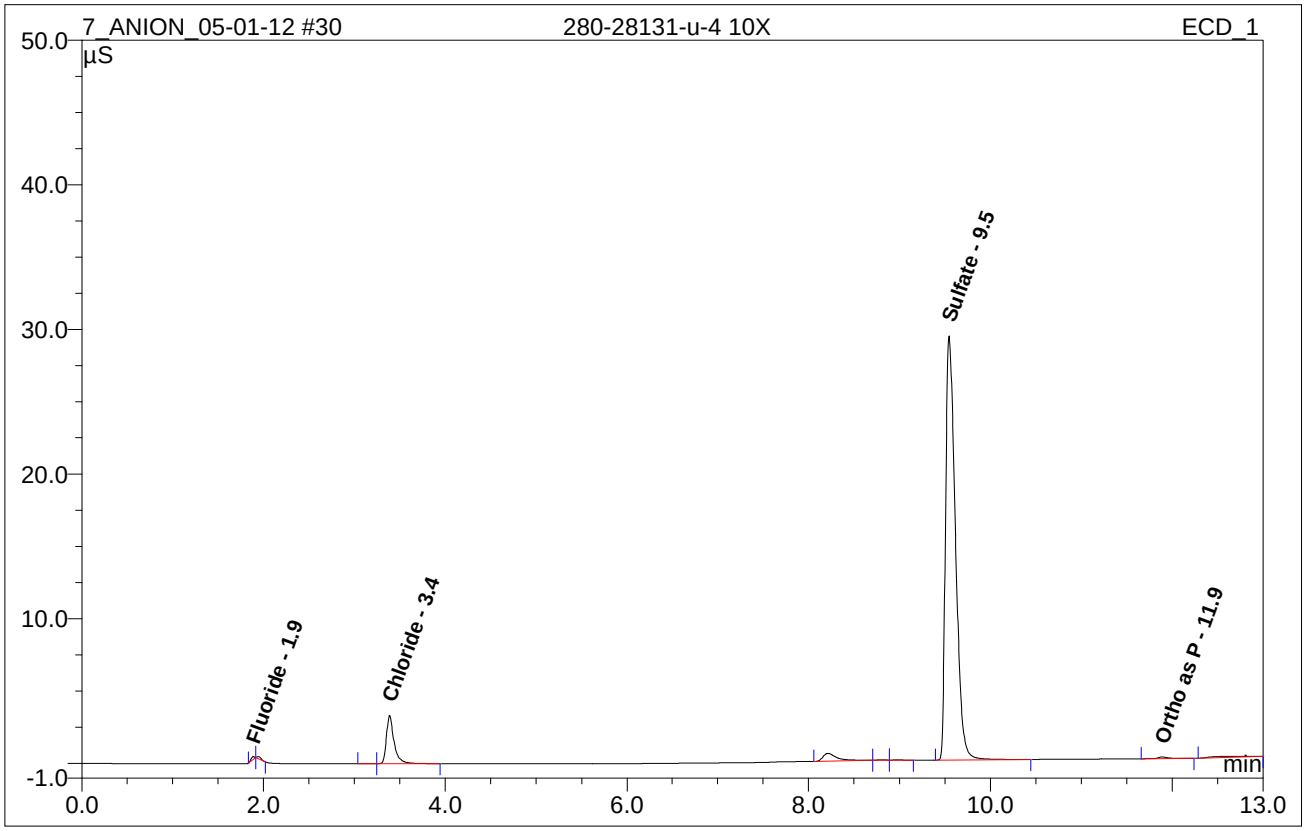


No.	Ret.Time min	Peak Name	Height µS	Area µS*min	Rel.Area %	Amount mg/L	Type
1	1.88	Fluoride	0.194	0.009	0.21	0.142	BMb
4	3.39	Chloride	3.365	0.328	7.77	25.546	MB
8	9.55	Sulfate	29.595	3.737	88.47	381.877	BMB
9	11.90	Ortho as P	0.129	0.016	0.37	-3.218	BMB
Total:			33.283	4.090	96.82	404.347	

30 280-28131-u-4 10X

EMK

Sample Name:	**280-28131-u-4 10X**	*Injection Volume:*	**10.0**
Vial Number:	**84**	*Channel:*	**ECD_1**
Sample Type:	**unknown**	*Wavelength:*	**n.a.**
Control Program:	**7 anion program 12-02-03**	*Bandwidth:*	**n.a.**
Quantif. Method:	**7 ANION AS11**	*Dilution Factor:*	**10.0000**
Recording Time:	**5/1/2012 19:41**	*Sample Weight:*	**1.0000**
Run Time (min):	**13.00**	*Sample Amount:*	**1.0000**

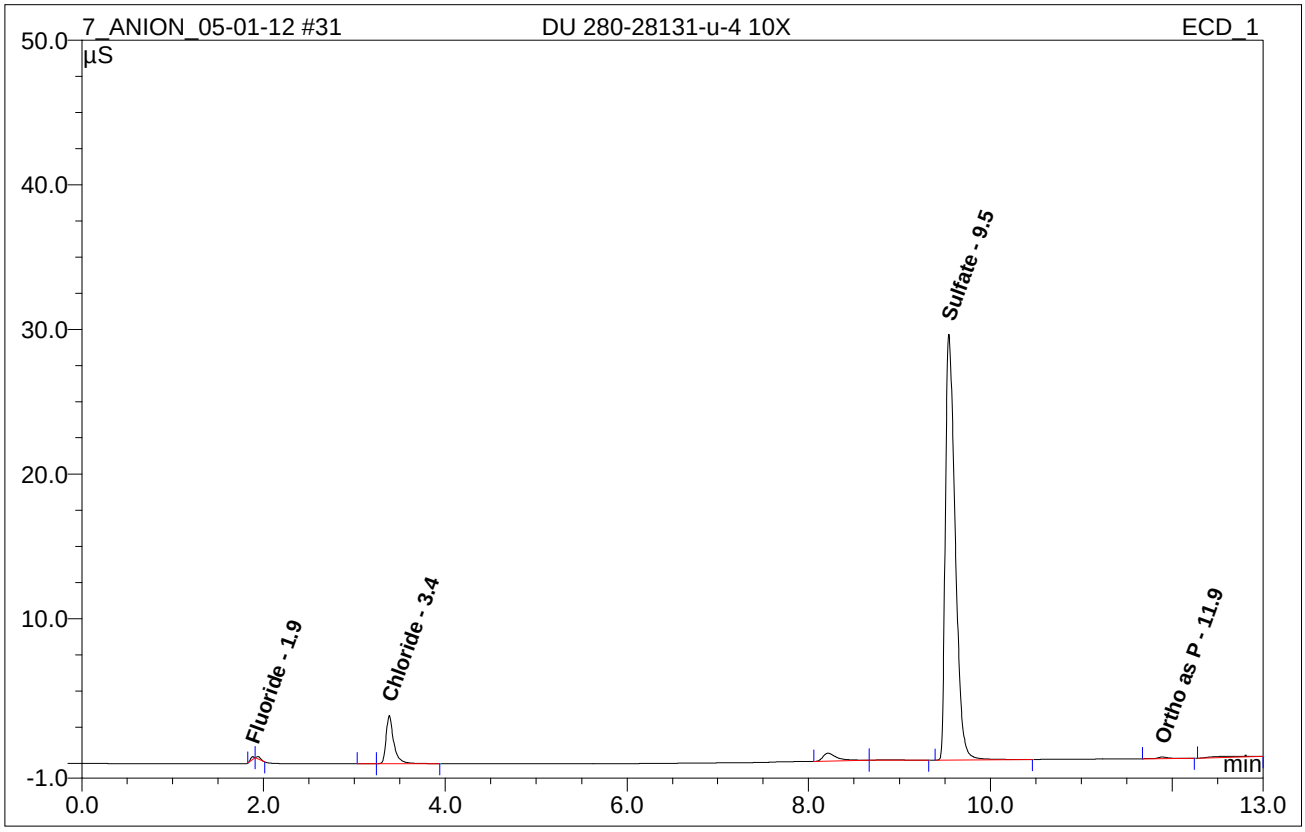


No.	Ret.Time min	Peak Name	Height µS	Area µS*min	Rel.Area %	Amount mg/L	Type
1	1.89	Fluoride	0.191	0.009	0.21	0.141	BMb
4	3.39	Chloride	3.337	0.325	7.77	25.304	MB
8	9.55	Sulfate	29.330	3.701	88.43	378.149	BMB
9	11.89	Ortho as P	0.118	0.015	0.35	-3.294	BMB
Total:			32.976	4.049	96.76	400.300	

31 DU 280-28131-u-4 10X

EMK

Sample Name:	**DU 280-28131-u-4 10X**	*Injection Volume:*	**10.0**
Vial Number:	**84**	*Channel:*	**ECD_1**
Sample Type:	**unknown**	*Wavelength:*	**n.a.**
Control Program:	**7 anion program 12-02-03**	*Bandwidth:*	**n.a.**
Quantif. Method:	**7 ANION AS11**	*Dilution Factor:*	**10.0000**
Recording Time:	**5/1/2012 19:58**	*Sample Weight:*	**1.0000**
Run Time (min):	**13.00**	*Sample Amount:*	**1.0000**

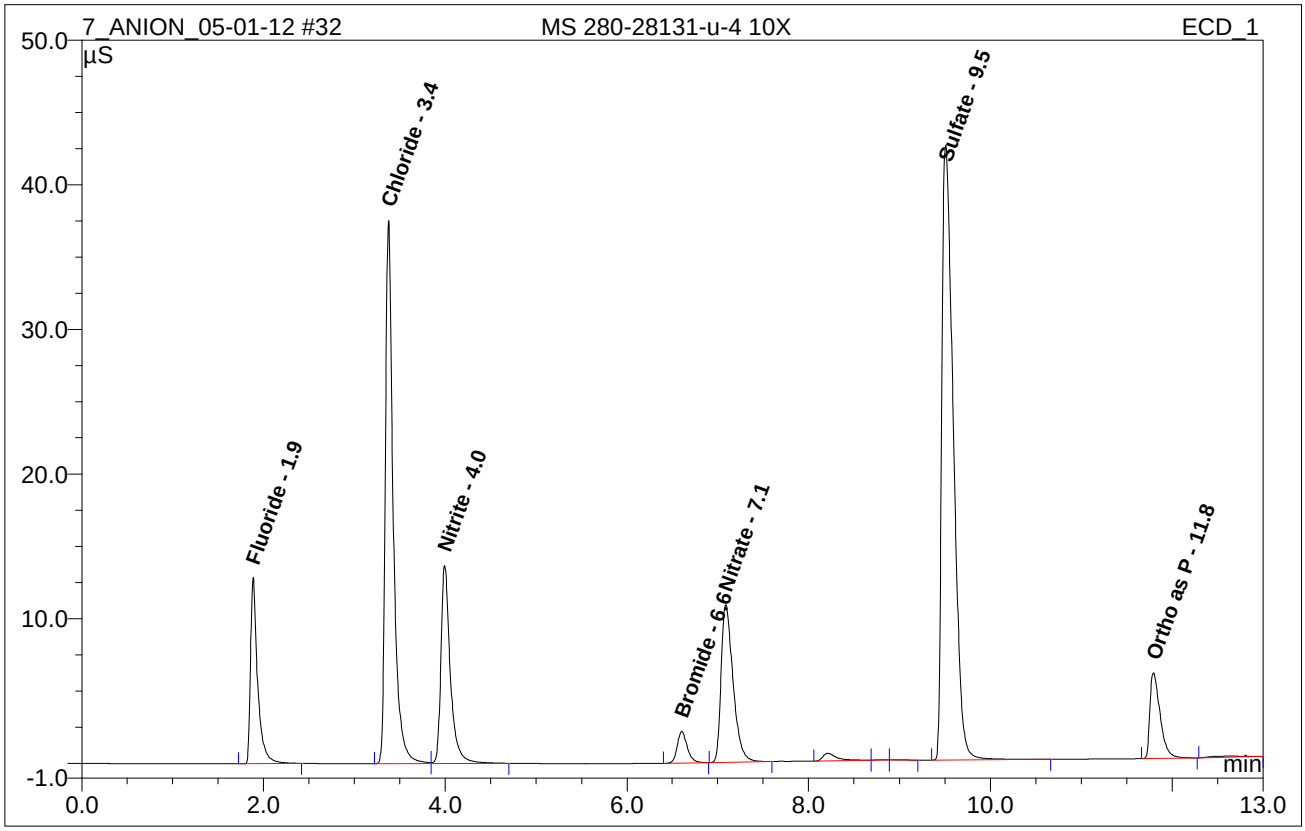


No.	Ret.Time min	Peak Name	Height µS	Area µS*min	Rel.Area %	Amount mg/L	Type
1	1.88	Fluoride	0.192	0.009	0.21	0.138	BMb
4	3.38	Chloride	3.327	0.325	7.76	25.275	MB
7	9.54	Sulfate	29.429	3.699	88.37	377.974	BMB
8	11.89	Ortho as P	0.109	0.014	0.32	-3.364	BMB
Total:			33.057	4.046	96.66	400.022	

32 MS 280-28131-u-4 10X

EMK

Sample Name:	**MS 280-28131-u-4 10X**	*Injection Volume:*	**10.0**
Vial Number:	**85**	*Channel:*	**ECD_1**
Sample Type:	**unknown**	*Wavelength:*	**n.a.**
Control Program:	**7 anion program 12-02-03**	*Bandwidth:*	**n.a.**
Quantif. Method:	**7 ANION AS11**	*Dilution Factor:*	**10.0000**
Recording Time:	**5/1/2012 20:16**	*Sample Weight:*	**1.0000**
Run Time (min):	**13.00**	*Sample Amount:*	**1.0000**

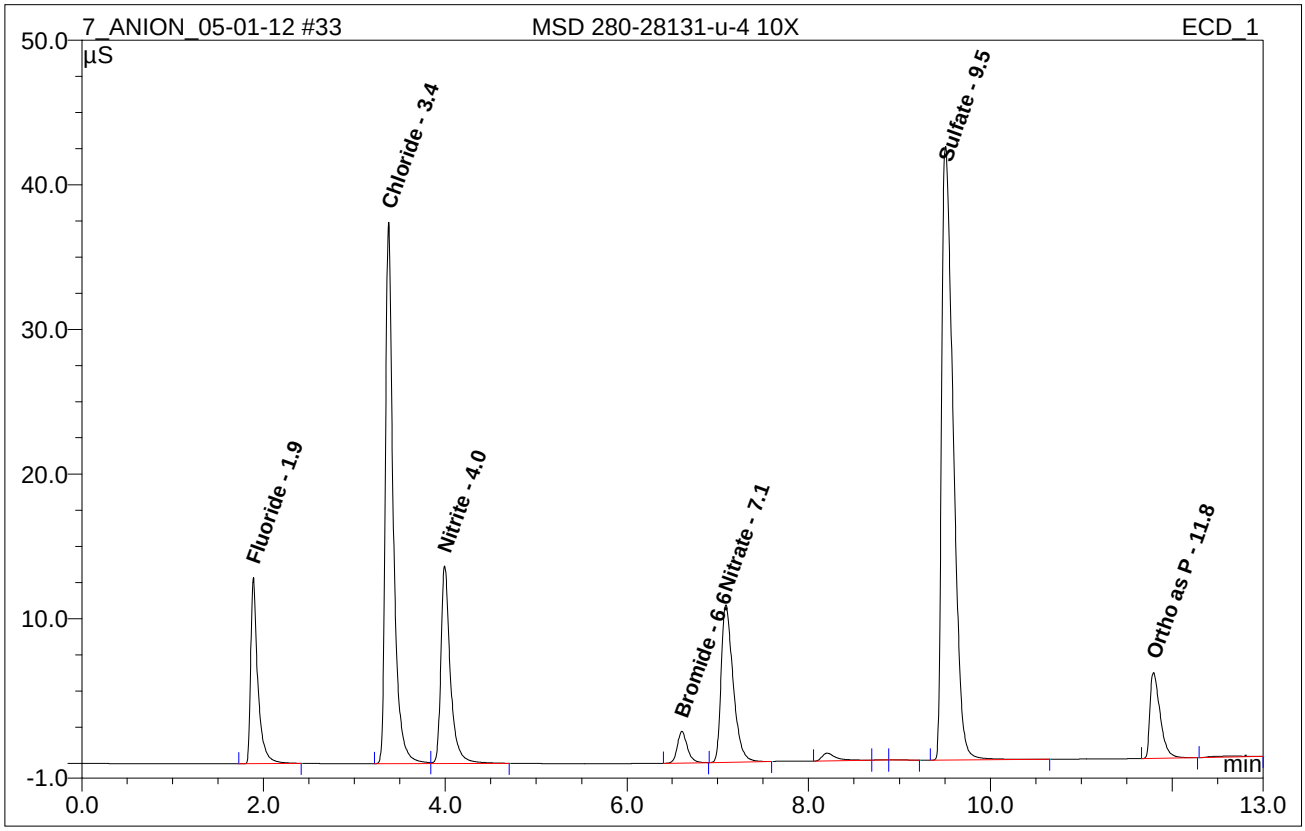


No.	Ret.Time min	Peak Name	Height µS	Area µS*min	Rel.Area %	Amount mg/L	Type
1	1.88	Fluoride	12.856	1.164	7.42	52.513	BMB
2	3.37	Chloride	37.534	3.803	24.25	292.819	BM
3	3.99	Nitrite	13.674	1.637	10.44	52.523	MB
4	6.60	Bromide	2.198	0.278	1.78	50.147	BMB
5	7.09	Nitrate	10.892	1.658	10.57	50.410	BMB
9	9.51	Sulfate	42.493	6.250	39.85	637.663	BMB
10	11.80	Ortho as P	5.916	0.769	4.90	47.218	BMB
Total:			125.563	15.560	99.21	1183.293	

33 MSD 280-28131-u-4 10X

EMK

Sample Name:	**MSD 280-28131-u-4 10X**	*Injection Volume:*	**10.0**
Vial Number:	**86**	*Channel:*	**ECD_1**
Sample Type:	**unknown**	*Wavelength:*	**n.a.**
Control Program:	**7 anion program 12-02-03**	*Bandwidth:*	**n.a.**
Quantif. Method:	**7 ANION AS11**	*Dilution Factor:*	**10.0000**
Recording Time:	**5/1/2012 20:33**	*Sample Weight:*	**1.0000**
Run Time (min):	**13.00**	*Sample Amount:*	**1.0000**

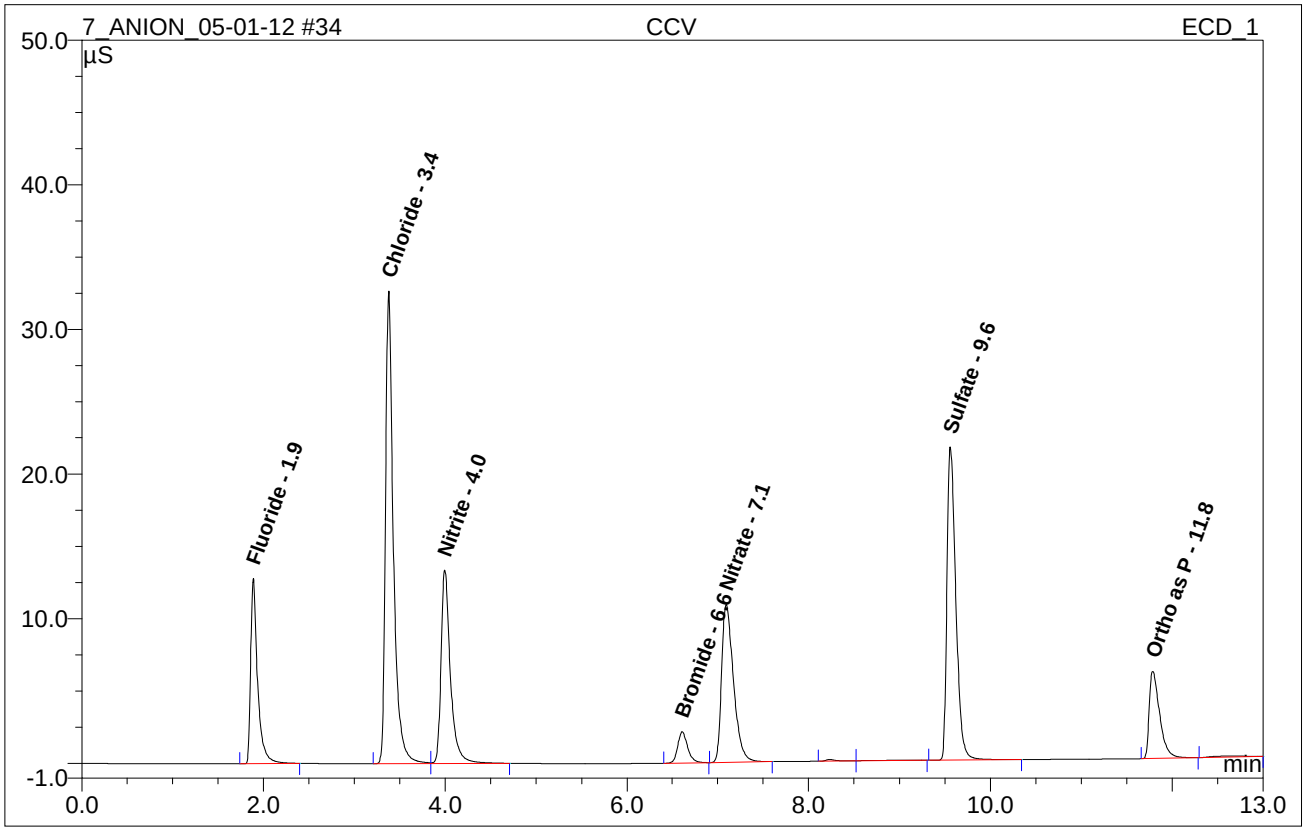


No.	Ret.Time min	Peak Name	Height µS	Area µS*min	Rel.Area %	Amount mg/L	Type
1	1.89	Fluoride	12.872	1.164	7.43	52.506	BMB
2	3.38	Chloride	37.422	3.792	24.19	291.970	BM
3	3.99	Nitrite	13.635	1.636	10.44	52.481	MB
4	6.60	Bromide	2.196	0.278	1.77	50.026	BMB
5	7.09	Nitrate	10.869	1.654	10.55	50.286	BMB
9	9.51	Sulfate	42.417	6.255	39.90	638.176	BMB
10	11.80	Ortho as P	5.931	0.773	4.93	47.460	BMB
Total:			125.342	15.552	99.21	1182.905	

34 CCV

EMK

Sample Name:	**CCV**	*Injection Volume:*	**10.0**
Vial Number:	**87**	*Channel:*	**ECD_1**
Sample Type:	**unknown**	*Wavelength:*	**n.a.**
Control Program:	**7 anion program 12-02-03**	*Bandwidth:*	**n.a.**
Quantif. Method:	**7 ANION AS11**	*Dilution Factor:*	**1.0000**
Recording Time:	**5/1/2012 20:50**	*Sample Weight:*	**1.0000**
Run Time (min):	**13.00**	*Sample Amount:*	**1.0000**

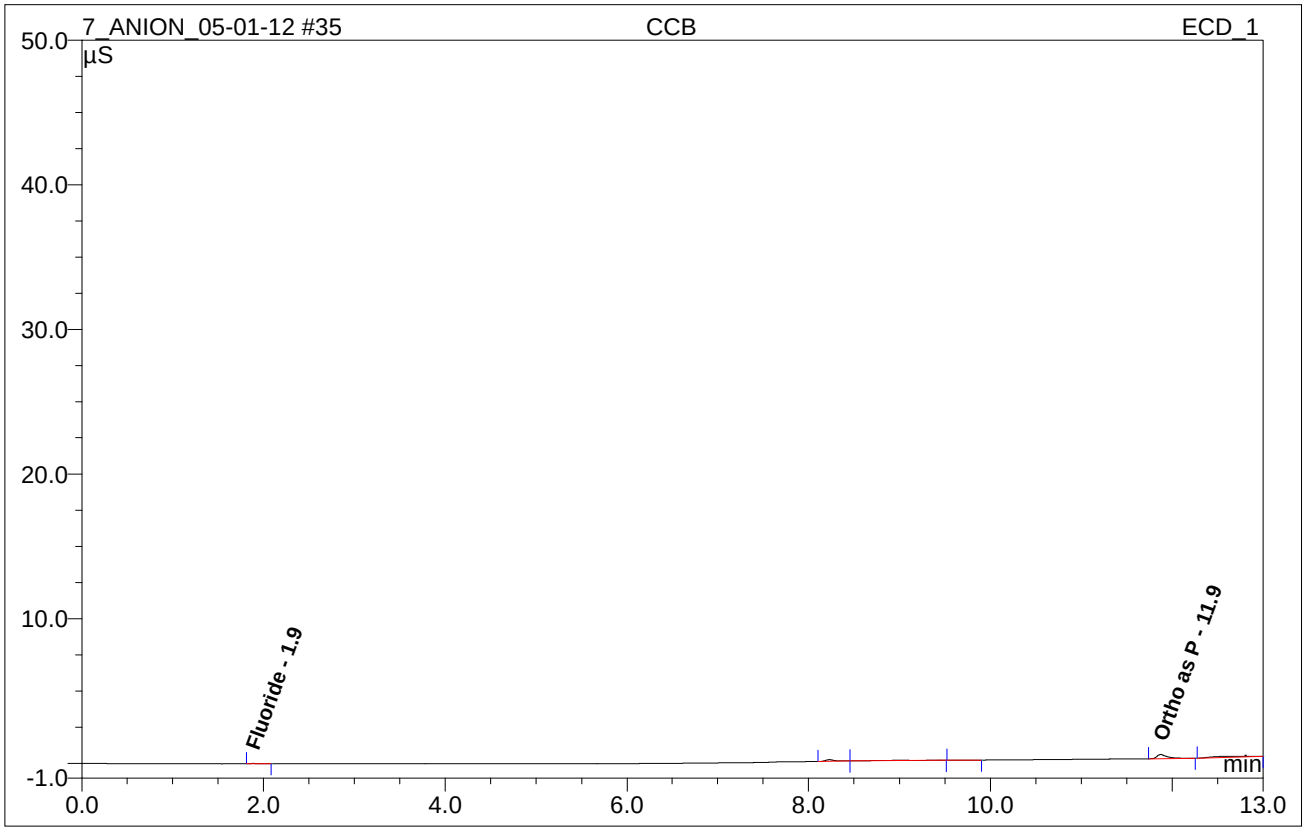


No.	Ret.Time min	Peak Name	Height µS	Area µS*min	Rel.Area %	Amount mg/L	Type
1	1.89	Fluoride	12.803	1.130	10.04	5.095	BMB
2	3.38	Chloride	32.678	3.296	29.29	25.379	BM
3	3.99	Nitrite	13.359	1.594	14.17	5.113	MB
4	6.61	Bromide	2.164	0.273	2.42	4.914	BMB
5	7.09	Nitrate	10.923	1.655	14.71	5.033	BMB
8	9.56	Sulfate	21.645	2.454	21.81	25.124	BMB
9	11.79	Ortho as P	6.010	0.803	7.14	4.948	BMB
Total:			99.582	11.205	99.58	75.606	

35 CCB

EMK

Sample Name:	**CCB**	*Injection Volume:*	**10.0**
Vial Number:	**87**	*Channel:*	**ECD_1**
Sample Type:	**unknown**	*Wavelength:*	**n.a.**
Control Program:	**7 anion program 12-02-03**	*Bandwidth:*	**n.a.**
Quantif. Method:	**7 ANION AS11**	*Dilution Factor:*	**1.0000**
Recording Time:	**5/1/2012 21:07**	*Sample Weight:*	**1.0000**
Run Time (min):	**13.00**	*Sample Amount:*	**1.0000**

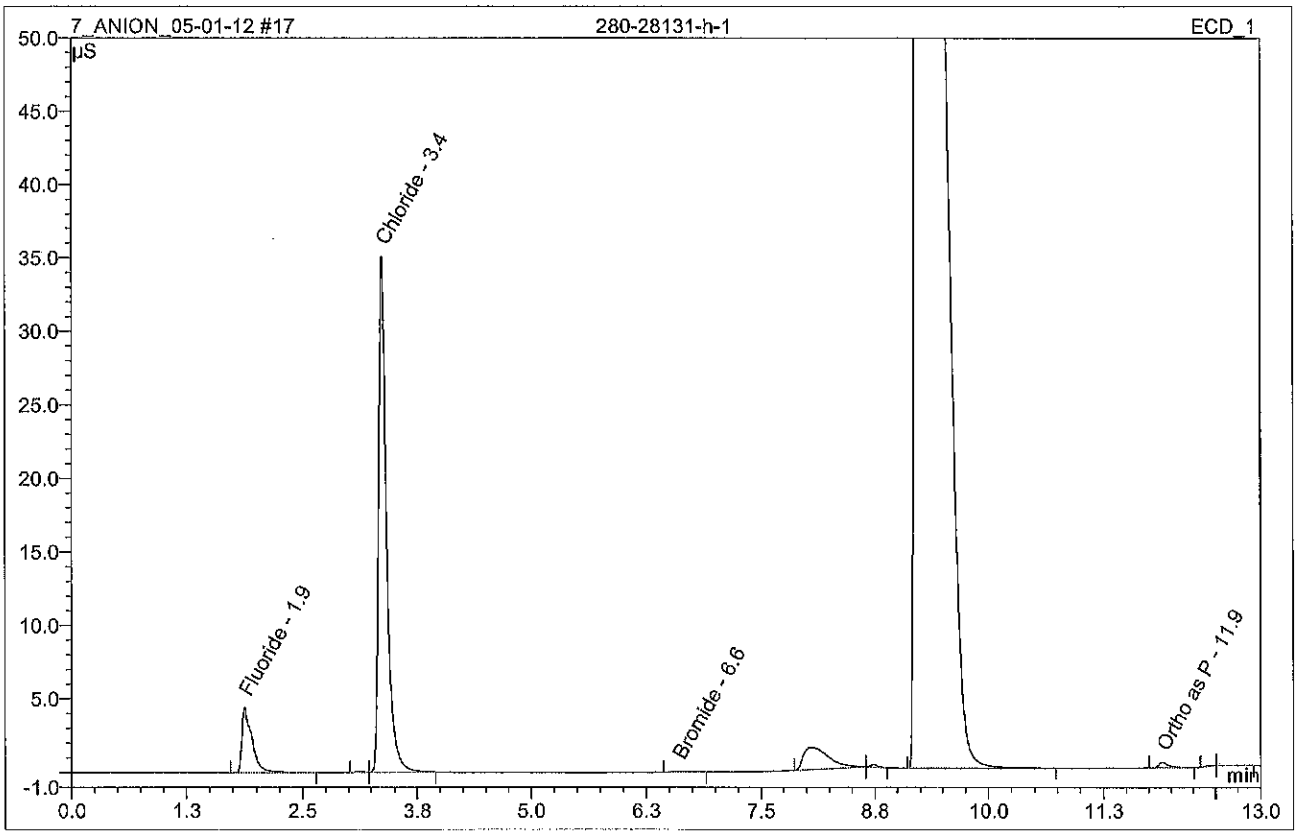


No.	Ret.Time min	Peak Name	Height µS	Area µS*min	Rel.Area %	Amount mg/L	Type
1	1.88	Fluoride	0.014	0.001	1.38	-0.020	BMB
5	11.88	Ortho as P	0.288	0.038	41.32	-0.176	BMB
Total:			0.302	0.039	42.71	-0.196	

17 280-28131-h-1

EMK

Sample Name:	**280-28131-h-1**	*Injection Volume:*	**10.0**
Vial Number:	**84**	*Channel:*	**ECD_1**
Sample Type:	**unknown**	*Wavelength:*	**n.a.**
Control Program:	**7 anion program 12-02-03**	*Bandwidth:*	**n.a.**
Quantif. Method:	**7 ANION AS11**	*Dilution Factor:*	**1.0000**
Recording Time:	**5/1/2012 15:56**	*Sample Weight:*	**1.0000**
Run Time (min):	**13.00**	*Sample Amount:*	**1.0000**



No.	Ret.Time min	Peak Name	Height µS	Area µS*min	Rel.Area %	Amount mg/L	Type
1	1.88	Fluoride	4.422	0.553	1.25	2.482	BMB
3	3.37	Chloride	35.100	3.510	7.90	27.027	MB
4	6.60	Bromide	0.066	0.008	0.02	0.178	BMB
8	11.90	Ortho as P	0.359	0.044	0.10	-0.133	BMB
Total:			39.947	4.116	9.27	29.554	

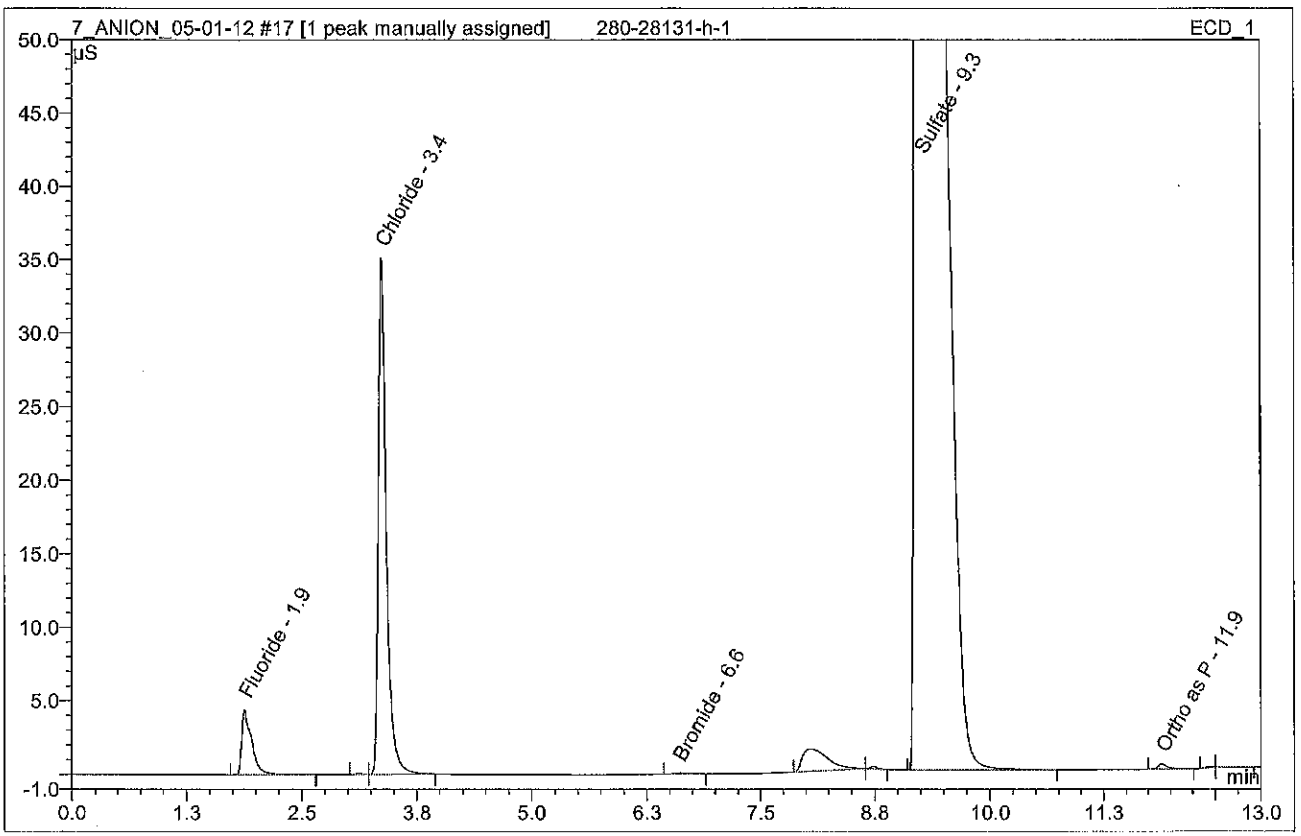
see reprocessed data
05-02-12 CG

Chromeleon (c) Dionex 1996-2001
Version 6.60 SP1a Build 1449

17 280-28131-h-1

EMK

Sample Name:	**280-28131-h-1**	*Injection Volume:*	**10.0**
Vial Number:	**84**	*Channel:*	**ECD_1**
Sample Type:	**unknown**	*Wavelength:*	**n.a.**
Control Program:	**7 anion program 12-02-03**	*Bandwidth:*	**n.a.**
Quantif. Method:	**7 ANION AS11**	*Dilution Factor:*	**1.0000**
Recording Time:	**5/1/2012 15:56**	*Sample Weight:*	**1.0000**
Run Time (min):	**13.00**	*Sample Amount:*	**1.0000**



No.	Ret.Time min	Peak Name	Height µS	Area µS*min	Rel.Area %	Amount mg/L	Type
1	1.88	Fluoride	4.422	0.553	1.25	2.482	BMB
3	3.37	Chloride	35.100	3.510	7.90	27.027	MB
4	6.60	Bromide	0.066	0.008	0.02	0.178	BMB
7	9.26	Sulfate	131.991	39.786	89.58	405.167	BMB^
8	11.90	Ortho as P	0.359	0.044	0.10	-0.133	BMB
Total:			171.938	43.902	98.84	434.721	

indentified: SO4-2 peak
at RT: 9.3
05-02-12 CS

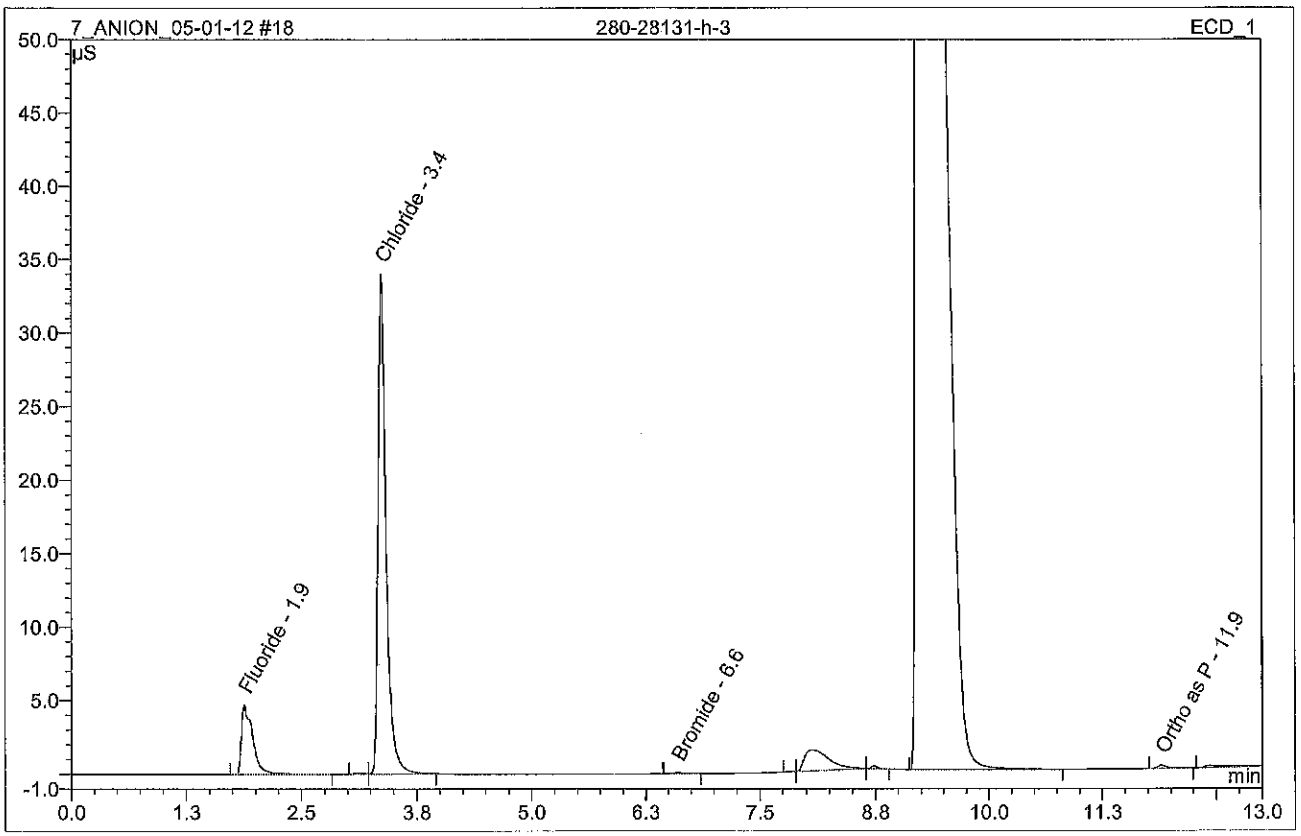
AB
5/3/12

Chromeleon (c) Dionex 1996-2001
Version 6.60 SP1a Build 1449

18 280-28131-h-3

EMK

Sample Name:	**280-28131-h-3**	*Injection Volume:*	**10.0**
Vial Number:	**84**	*Channel:*	**ECD_1**
Sample Type:	**unknown**	*Wavelength:*	**n.a.**
Control Program:	**7 anion program 12-02-03**	*Bandwidth:*	**n.a.**
Quantif. Method:	**7 ANION AS11**	*Dilution Factor:*	**1.0000**
Recording Time:	**5/1/2012 16:13**	*Sample Weight:*	**1.0000**
Run Time (min):	**13.00**	*Sample Amount:*	**1.0000**



No.	Ret.Time min	Peak Name	Height µS	Area µS*min	Rel.Area %	Amount mg/L	Type
1	1.88	Fluoride	4.719	0.677	1.61	3.042	BMB
3	3.37	Chloride	33.965	3.400	8.07	26.181	MB
4	6.60	Bromide	0.063	0.008	0.02	0.168	BMB
9	11.89	Ortho as P	0.213	0.026	0.06	-0.252	BMB
Total:			38.959	4.111	9.76	29.138	

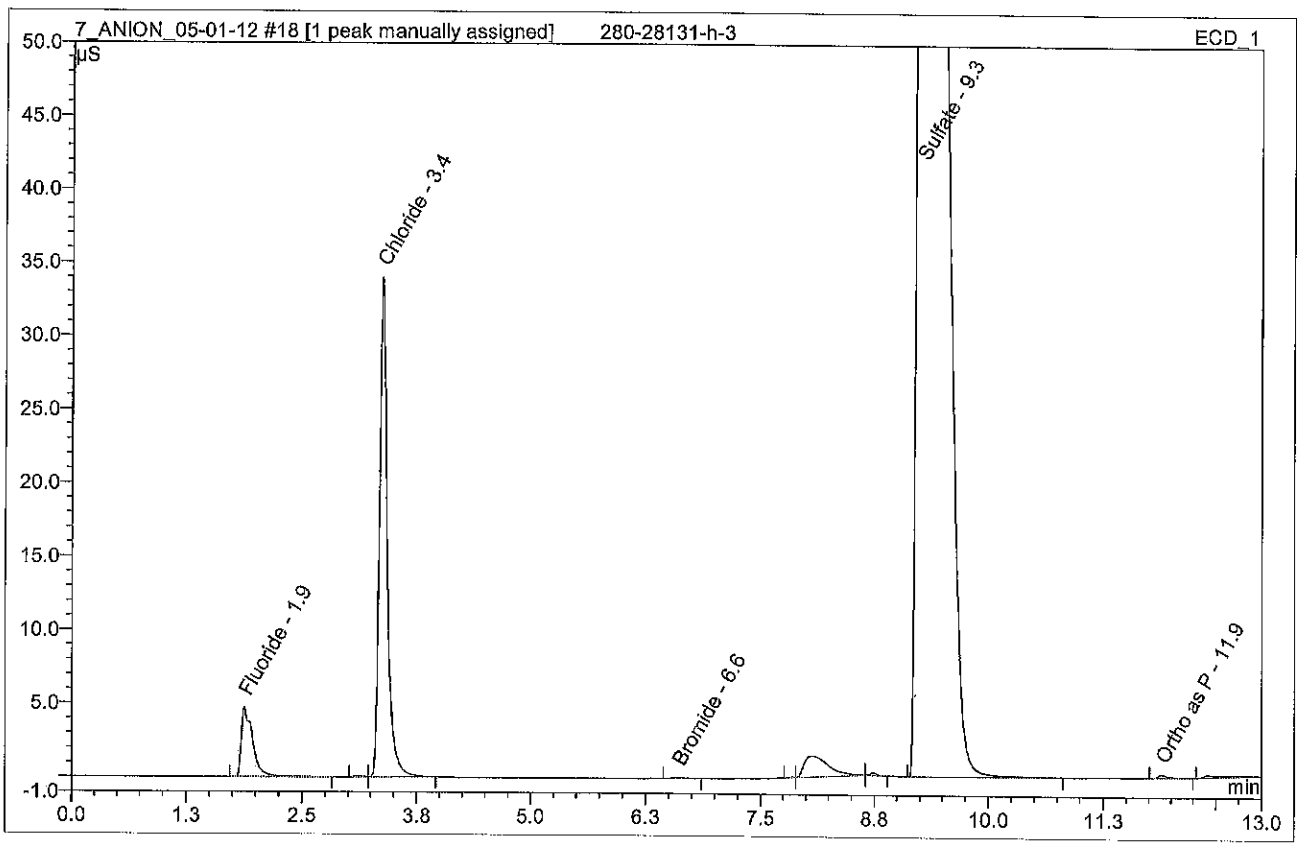
see reprocessed data
05-02-12 CG

Chromeleon (c) Dionex 1996-2001
Version 6.60 SP1a Build 1449

18 280-28131-h-3

EMK

Sample Name:	**280-28131-h-3**	*Injection Volume:*	**10.0**
Vial Number:	**84**	*Channel:*	**ECD_1**
Sample Type:	**unknown**	*Wavelength:*	**n.a.**
Control Program:	**7 anion program 12-02-03**	*Bandwidth:*	**n.a.**
Quantif. Method:	**7 ANION AS11**	*Dilution Factor:*	**1.0000**
Recording Time:	**5/1/2012 16:13**	*Sample Weight:*	**1.0000**
Run Time (min):	**13.00**	*Sample Amount:*	**1.0000**



No.	Ret.Time min	Peak Name	Height µS	Area µS*min	Rel.Area %	Amount mg/L	Type
1	1.88	Fluoride	4.719	0.677	1.61	3.042	BMB
3	3.37	Chloride	33.965	3.400	8.07	26.181	MB
4	6.60	Bromide	0.063	0.008	0.02	0.168	BMB
8	9.27	Sulfate	128.305	37.508	89.05	381.976	BMB^
9	11.89	Ortho as P	0.213	0.026	0.06	-0.252	BMB
Total:			167.265	41.619	98.81	411.114	

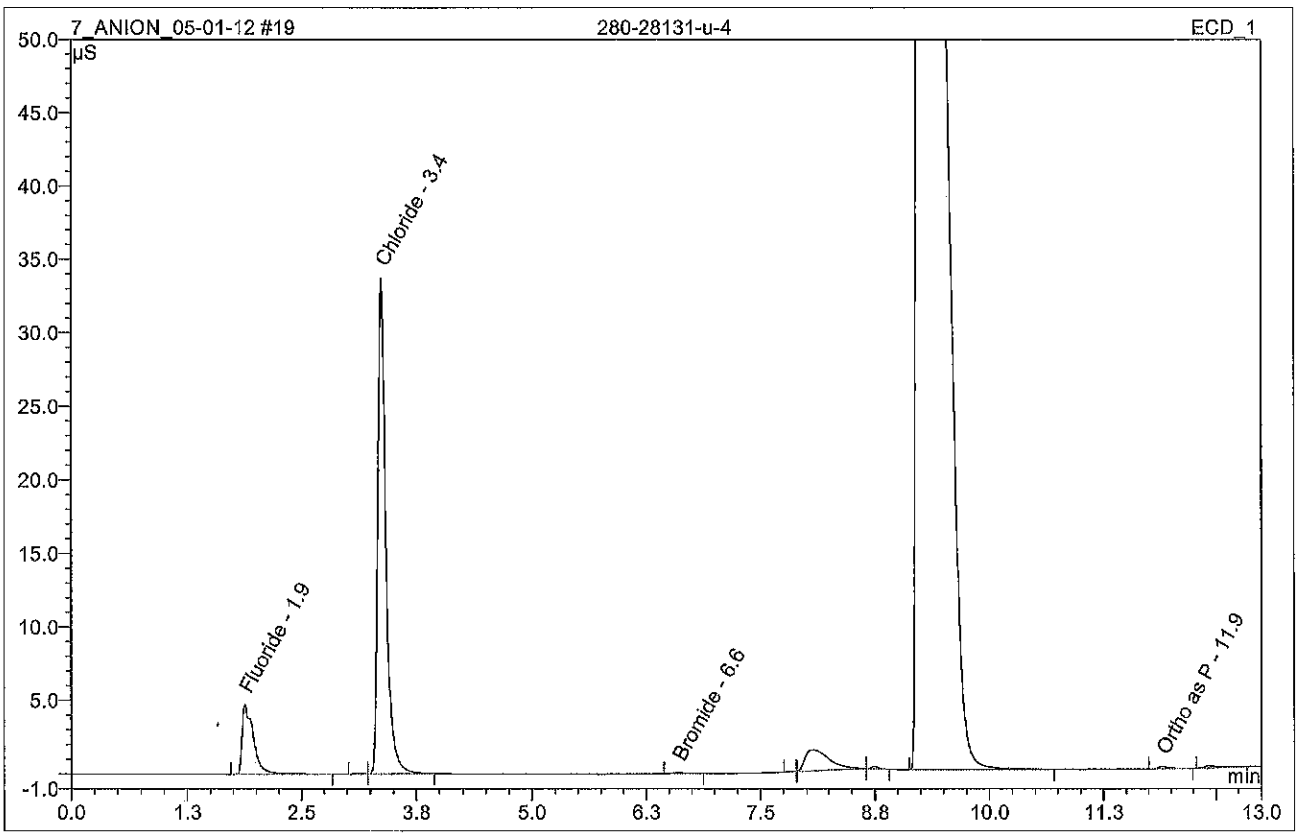
indentified: SO4-2 peak
at RT: 9.3
05-02-12 CG

AB
5/3/12

19 280-28131-u-4

EMK

Sample Name:	**280-28131-u-4**	*Injection Volume:*	**10.0**
Vial Number:	**84**	*Channel:*	**ECD_1**
Sample Type:	**unknown**	*Wavelength:*	**n.a.**
Control Program:	**7 anion program 12-02-03**	*Bandwidth:*	**n.a.**
Quantif. Method:	**7 ANION AS11**	*Dilution Factor:*	**1.0000**
Recording Time:	**5/1/2012 16:31**	*Sample Weight:*	**1.0000**
Run Time (min):	**13.00**	*Sample Amount:*	**1.0000**



No.	Ret.Time min	Peak Name	Height µS	Area µS*min	Rel.Area %	Amount mg/L	Type
1	1.88	Fluoride	4.733	0.682	1.62	3.066	BMB
3	3.37	Chloride	33.732	3.383	8.06	26.052	MB
4	6.60	Bromide	0.062	0.008	0.02	0.167	BMB
9	11.90	Ortho as P	0.166	0.021	0.05	-0.285	BMB
Total:			38.693	4.095	9.75	29.001	

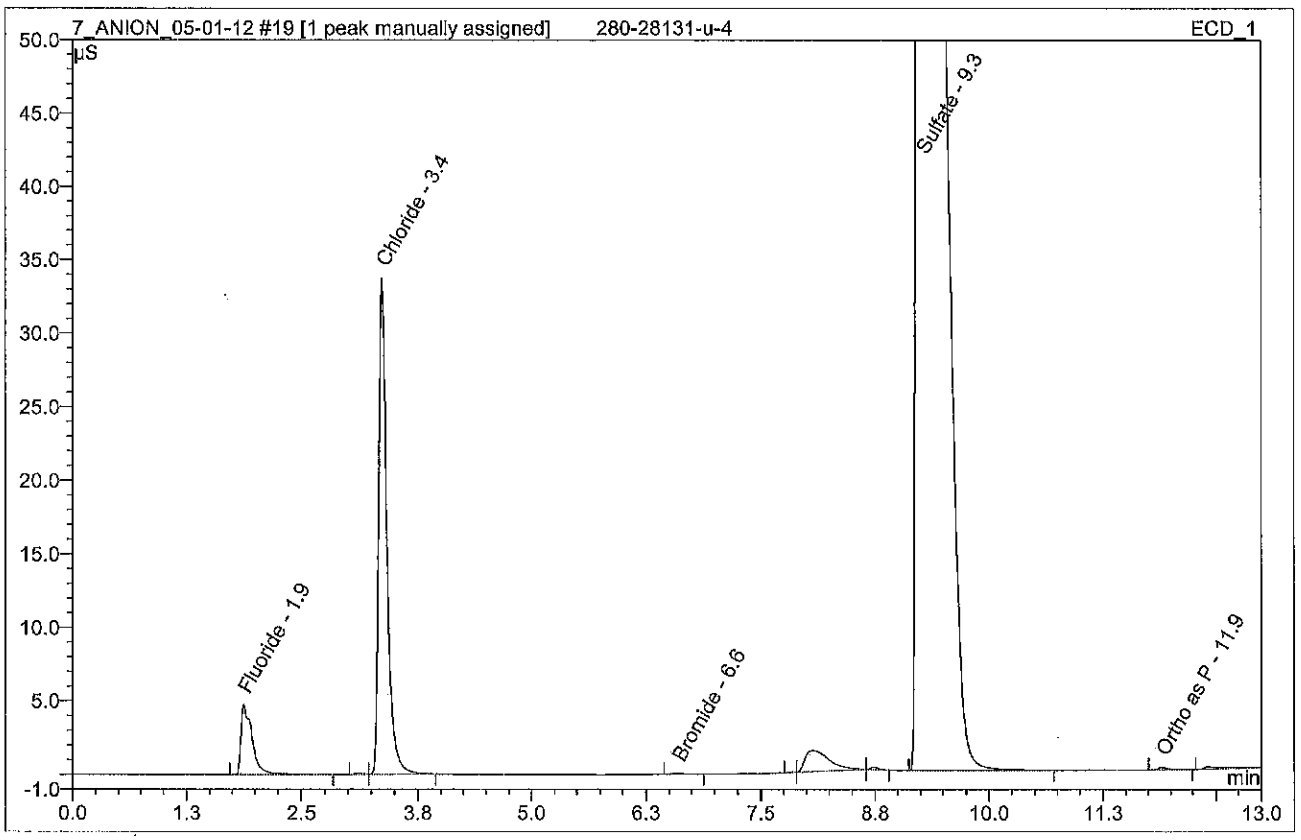
see reprocessed data
05-02-12 CG

Chromeleon (c) Dionex 1996-2001
Version 6.60 SP1a Build 1449

19 280-28131-u-4

EMK

Sample Name:	**280-28131-u-4**	*Injection Volume:*	**10.0**
Vial Number:	**84**	*Channel:*	**ECD_1**
Sample Type:	**unknown**	*Wavelength:*	**n.a.**
Control Program:	**7 anion program 12-02-03**	*Bandwidth:*	**n.a.**
Quantif. Method:	**7 ANION AS11**	*Dilution Factor:*	**1.0000**
Recording Time:	**5/1/2012 16:31**	*Sample Weight:*	**1.0000**
Run Time (min):	**13.00**	*Sample Amount:*	**1.0000**



No.	Ret.Time min	Peak Name	Height µS	Area µS*min	Rel.Area %	Amount mg/L	Type
1	1.88	Fluoride	4.733	0.682	1.62	3.066	BMB
3	3.37	Chloride	33.732	3.383	8.06	26.052	MB
4	6.60	Bromide	0.062	0.008	0.02	0.167	BMB
8	9.28	Sulfate	128.058	37.389	89.05	380.760	BMB^
9	11.90	Ortho as P	0.166	0.021	0.05	-0.285	BMB
Total:			166.750	41.483	98.80	409.761	

indentified: SO4-2 peak
at RT: 9.3

05-02-12 CG

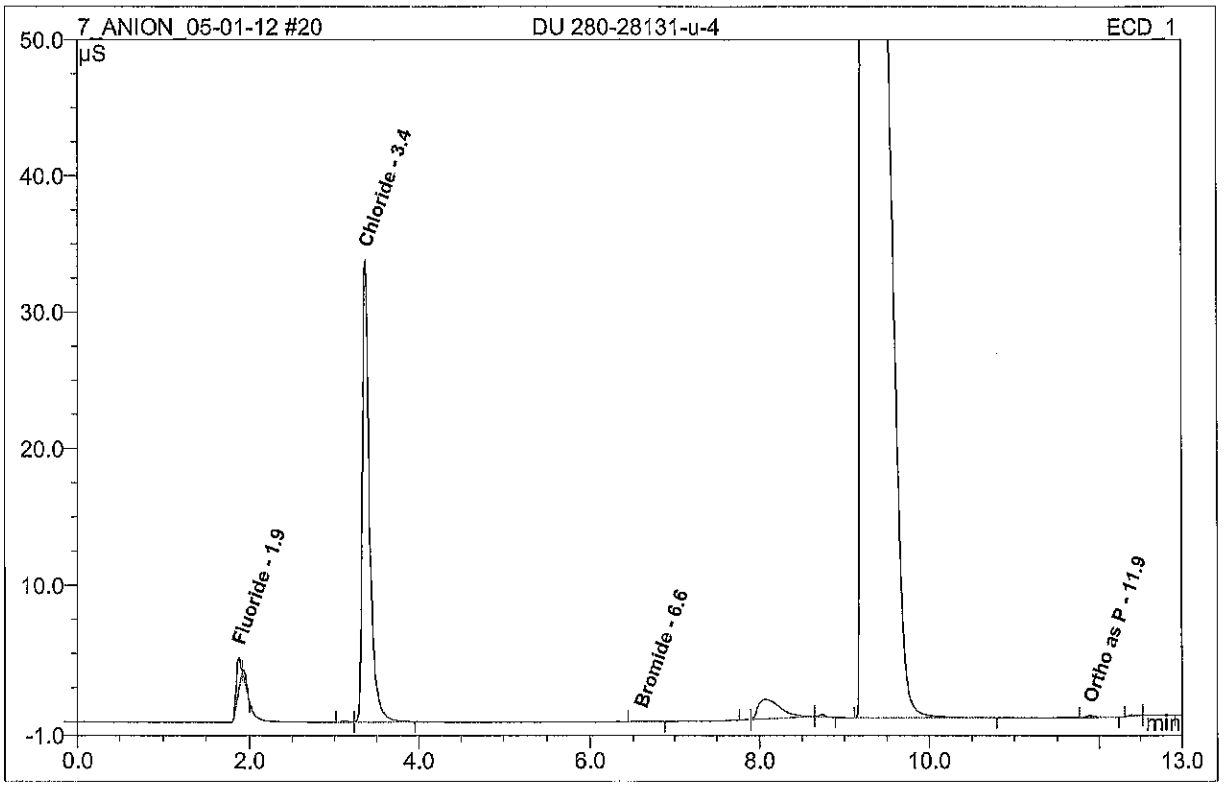
ab
5/3/12

Chromeleon (c) Dionex 1996-2001
Version 6.60 SP1a Build 1449

20 DU 280-28131-u-4

EMK

Sample Name:	**DU 280-28131-u-4**	*Injection Volume:*	**10.0**
Vial Number:	**84**	*Channel:*	**ECD_1**
Sample Type:	**unknown**	*Wavelength:*	**n.a.**
Control Program:	**7 anion program 12-02-03**	*Bandwidth:*	**n.a.**
Quantif. Method:	**7 ANION AS11**	*Dilution Factor:*	**1.0000**
Recording Time:	**5/1/2012 16:48**	*Sample Weight:*	**1.0000**
Run Time (min):	**13.00**	*Sample Amount:*	**1.0000**



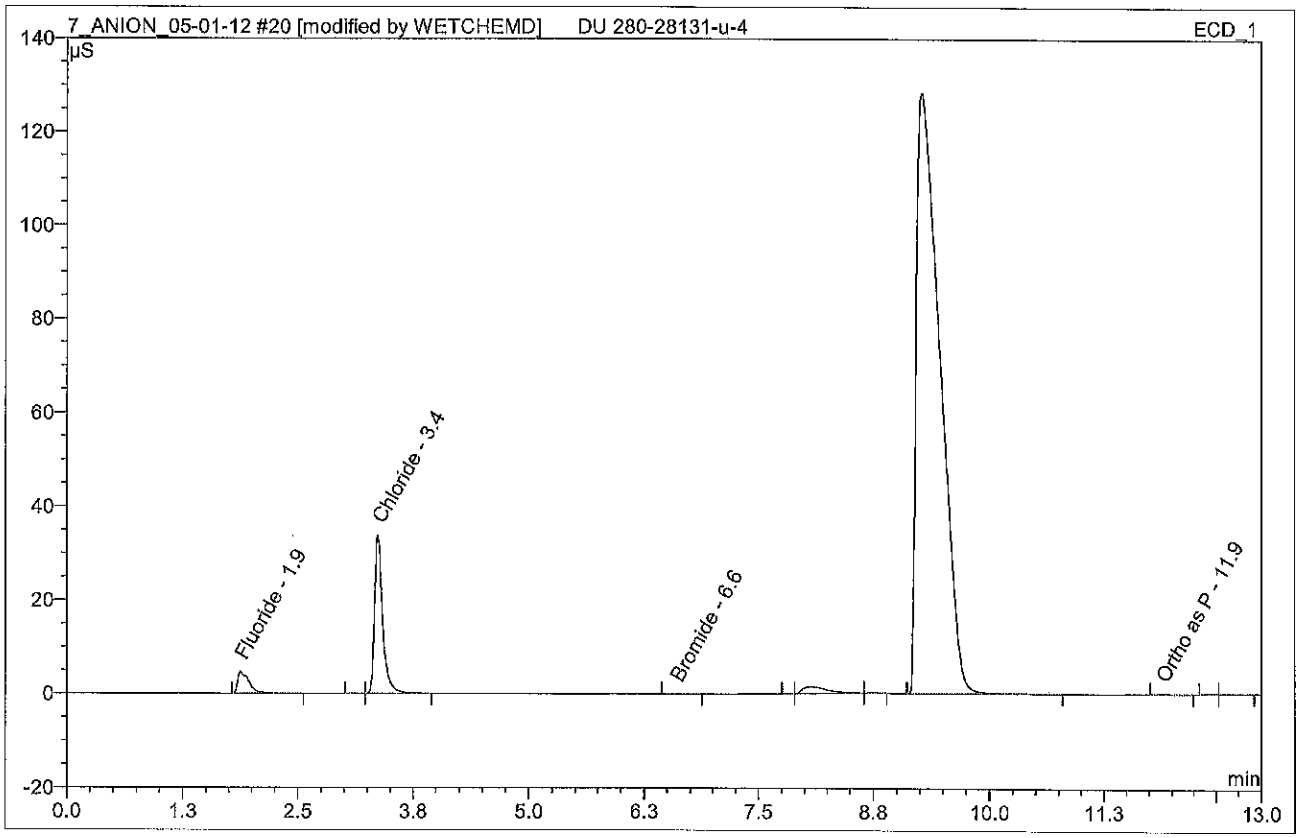
No.	Ret.Time min	Peak Name	Height µS	Area µS*min	Rel.Area %	Amount mg/L	Type
1	1.87	Fluoride	2.442	0.127	0.31	0.548	BMb
4	3.37	Chloride	33.828	3.387	8.17	26.077	MB
5	6.60	Bromide	0.062	0.008	0.02	0.166	BMB
10	11.89	Ortho as P	0.133	0.016	0.04	-0.319	BMB
Total:			36.465	3.537	8.53	26.471	

see reprocessed data
05-03-12 CG

20 DU 280-28131-u-4

EMK

Sample Name:	**DU 280-28131-u-4**	*Injection Volume:*	**10.0**
Vial Number:	**84**	*Channel:*	**ECD_1**
Sample Type:	**unknown**	*Wavelength:*	**n.a.**
Control Program:	**7 anion program 12-02-03**	*Bandwidth:*	**n.a.**
Quantif. Method:	**7 ANION AS11**	*Dilution Factor:*	**1.0000**
Recording Time:	**5/1/2012 16:48**	*Sample Weight:*	**1.0000**
Run Time (min):	**13.00**	*Sample Amount:*	**1.0000**



No.	Ret.Time min	Peak Name	Height µS	Area µS*min	Rel.Area %	Amount mg/L	Type
1	1.87	Fluoride	4.729	0.675	1.61	3.033	BMB*
3	3.37	Chloride	33.828	3.387	8.06	26.077	MB
4	6.60	Bromide	0.062	0.008	0.02	0.166	BMB
9	11.89	Ortho as P	0.133	0.016	0.04	-0.319	BMB
Total:			38.752	4.085	9.73	28.956	

adjusted baseline to zero
05-03-12 CS

AB
5/3/12

TESTAMERICA Denver

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

Wet Chemistry Data Review Checklist
For Tests with Calibration Curves

Test Name/ Method #: TOC / DOC

SOP # DV-WC-0006

Instrument: SHT2 Analyst: D. Kl[illegible]

Analysis Date: 5/7/12

Lot / Sample Numbers	Matrix	Prep Batch	Batch	Method	Special Inst
28076, 281331	AQ	–	118783	9060	TOC
L D.B. 05-08-12	L	–	118784	L	DOC

A. Calibration/Instrument Run QC	Yes	No	N/A	2nd Level
1. Minimum of five standards in ICAL or as specified in method?	–			✓
2. Correlation coefficient ≥ 0.995 ?	–			✓
3. Second-source ICV analyzed, and recovery within acceptance limits?	–			✓
4. ICB analyzed immediately after the ICV & results < the RL	–			✓
5. CCV analyzed after every ten samples & recovery within acceptance limits?	–			✓
6. CCB analyzed after every CCV & results < RL?	–			✓
7. Absolute value of the intercept is < ± ½ the RL?	–			✓
B. Sample Results				
1. All samples greater than highest calibration standard diluted and reanalyzed?	–			✓
2. Do associated RLs/MDLs reflect dilutions or limited sample volume?	–			✓
3. All reported results bracketed by in control CCV results?	–			✓
4. Sample analyses done within holding time?	–			✓
5. Initial pH check documented for all samples? (If Applicable)	–			✓
6. Preparation benchsheet completed and included in package?			–	✓
7. Client requirements reviewed and met?	–			✓
8. Were data manually transcribed from instrument printouts into TALS verified 100% including significant figures and correct units? (If Applicable)	–			✓
9. Do the prep and analysis dates in TALS reflect the actual dates?	–			✓
11. Raw data copies prepared, scanned, and uploaded?	–			✓
12. Manual integrations done properly and initialed and dated?			–	✓
13. STD/True Value information is updated and included?	–			✓
C. Preparation/Matrix QC				
1. Method blank < RL or all reported samples > 10x blank have NCM?	–			✓
2. Method blank < ½ RL or NCM provided?	–			✓
3. LCS/LCSD run for batch and within QC limits?	–			✓
4. MS/MSD run at required frequency and within limits or NCM written?	–			✓
5. DUP run at required frequency and RPD within acceptance limits or NCM written?			–	✓

Analyst: [signature] Date: 5/8/12

2nd Level Reviewer : D.B. Date: 05-08-12

Due 05/10

	Analysis	Sample Name	Dilution	Result	Date / Time	Vial
1	NPOC	ICV	1.000	NPOC:19.46ppm	05/07/2012 05:21:15 PM	1
2	NPOC	ICB	1.000	NPOC:0.06812ppm	05/07/2012 05:40:30 PM	2
3	NPOC	LCS	1.000	NPOC:24.35ppm	05/07/2012 06:01:37 PM	3
4	NPOC	LCSD	1.000	NPOC:24.28ppm	05/07/2012 06:19:56 PM	4
5	NPOC	MB	1.000	NPOC:0.06955ppm	05/07/2012 06:38:51 PM	5
6	NPOC	280-28076-h-1	1.000	NPOC:12.72ppm	05/07/2012 06:55:42 PM	6
7	NPOC	280-28131-m-1	1.000	NPOC:2.875ppm	05/07/2012 07:11:39 PM	7
8	NPOC	280-28131-l-3	1.000	NPOC:4.068ppm	05/07/2012 07:27:58 PM	8
9	NPOC	280-28131-am-4	1.000	NPOC:3.985ppm	05/07/2012 07:44:04 PM	9
10	NPOC	MS 280-28131-am-4	1.000	NPOC:28.50ppm	05/07/2012 08:01:47 PM	10
11	NPOC	MSD280-28131-am-4	1.000	NPOC:28.37ppm	05/07/2012 08:19:35 PM	11
12	NPOC	280-28131-k-5	1.000	NPOC:0.1879ppm	05/07/2012 08:33:50 PM	12
13	NPOC	280-28131-l-6	1.000	NPOC:0.1979ppm	05/07/2012 08:48:09 PM	13
14	NPOC	280-28076-k-1	1.000	NPOC:12.89ppm	05/07/2012 09:05:03 PM	14
15	NPOC	280-28131-l-1	1.000	NPOC:3.043ppm	05/07/2012 09:20:58 PM	15
16	NPOC	CCV	1.000	NPOC:24.62ppm	05/07/2012 09:39:24 PM	16
17	NPOC	CCB	1.000	NPOC:0.1320ppm	05/07/2012 09:53:27 PM	17
18	NPOC	280-28131-n-3	1.000	NPOC:4.384ppm	05/07/2012 10:09:42 PM	18
19	NPOC	280-28131-ai-4	1.000	NPOC:4.260ppm	05/07/2012 10:26:01 PM	19
20	NPOC	MS 280-28131-ai-4	1.000	NPOC:29.39ppm	05/07/2012 10:43:53 PM	20
21	NPOC	MSD 280-28131-ai-4	1.000	NPOC:29.48ppm	05/07/2012 11:01:52 PM	21
22	NPOC	280-28131-l-5	1.000	NPOC:0.2053ppm	05/07/2012 11:16:11 PM	22
23	NPOC	280-28131-n-6	1.000	NPOC:0.1968ppm	05/07/2012 11:32:12 PM	23
24	NPOC	CCV	1.000	NPOC:24.74ppm	05/07/2012 11:50:35 PM	24
25	NPOC	CCB	1.000	NPOC:0.1338ppm	05/08/2012 12:07:57 AM	25

Instr.Information

System	TOC-VCSH(2)
Detector	Combustion
Catalyst	Regular Sensitivity
Cell Length	long

Sample

Sample Name:	ICV
Sample ID:	
Origin:	TOC .met
Status	Completed
Chk. Result	

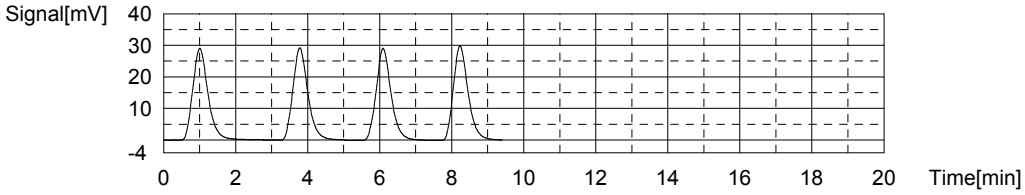
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:19.46ppm

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	86.03	19.64ppm	50uL	1		1-50 PPM TOC.2012_03_01_18_57_00.cal	05/07/2012 05:14:00 PM
2	85.18	19.45ppm	50uL	1		1-50 PPM TOC.2012_03_01_18_57_00.cal	05/07/2012 05:16:29 PM
3	84.11	19.20ppm	50uL	1		1-50 PPM TOC.2012_03_01_18_57_00.cal	05/07/2012 05:18:53 PM
4	85.54	19.53ppm	50uL	1		1-50 PPM TOC.2012_03_01_18_57_00.cal	05/07/2012 05:21:15 PM

Mean Area 85.22
Mean Conc. 19.46ppm



Sample

Sample Name:	ICB
Sample ID:	
Origin:	TOC .met
Status	Completed
Chk. Result	

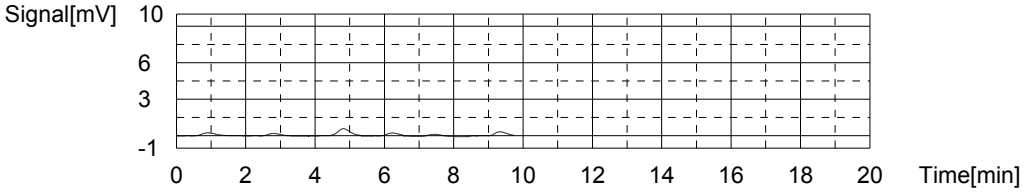
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:0.06812ppm

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	0.000	0.04813ppm	50uL	1		1-50 PPM TOC.2012_03_01_18_57_00.cal	05/07/2012 05:31:39 PM
2	0.000	0.04813ppm	50uL	1		1-50 PPM TOC.2012_03_01_18_57_00.cal	05/07/2012 05:33:45 PM
3	1.197	0.3208ppm	50uL	1	E	1-50 PPM TOC.2012_03_01_18_57_00.cal	05/07/2012 05:35:28 PM
4	0.3511	0.1281ppm	50uL	1		1-50 PPM TOC.2012_03_01_18_57_00.cal	05/07/2012 05:36:53 PM
5	0.000	0.04813ppm	50uL	1		1-50 PPM TOC.2012_03_01_18_57_00.cal	05/07/2012 05:38:59 PM
6	0.6185	0.1890ppm	50uL	1	E	1-50 PPM TOC.2012_03_01_18_57_00.cal	05/07/2012 05:40:30 PM

Mean Area 0.08778
Mean Conc. 0.06812ppm



Sample

Sample Name: LCS
Sample ID:
Origin: TOC .met
Status Completed
Chk. Result

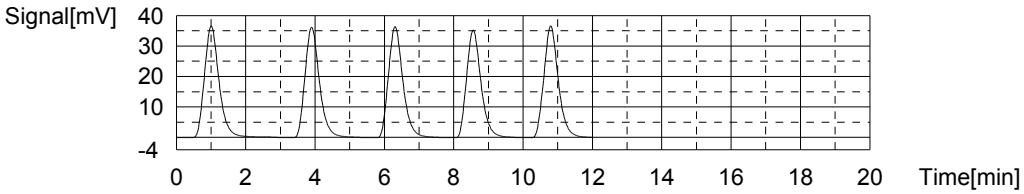
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:24.35ppm

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	107.8	24.60ppm	50uL	1		1-50 PPM TOC.2012_03_01_18_57_00.cal	05/07/2012 05:51:48 PM
2	105.6	24.10ppm	50uL	1		1-50 PPM TOC.2012_03_01_18_57_00.cal	05/07/2012 05:54:23 PM
3	106.4	24.28ppm	50uL	1		1-50 PPM TOC.2012_03_01_18_57_00.cal	05/07/2012 05:56:50 PM
4	102.6	23.42ppm	50uL	1	E	1-50 PPM TOC.2012_03_01_18_57_00.cal	05/07/2012 05:59:14 PM
5	107.0	24.42ppm	50uL	1		1-50 PPM TOC.2012_03_01_18_57_00.cal	05/07/2012 06:01:37 PM

Mean Area 106.7
Mean Conc. 24.35ppm



Sample

Sample Name: LCSD
Sample ID:
Origin: TOC .met
Status Completed
Chk. Result

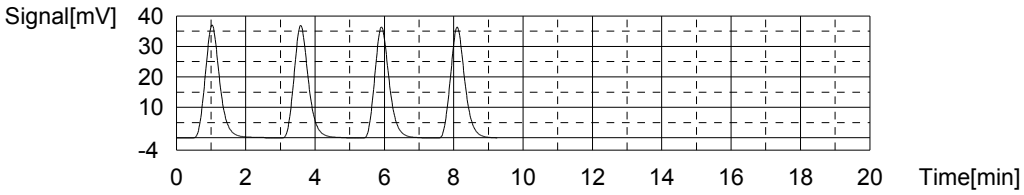
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:24.28ppm

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	107.6	24.55ppm	50uL	1		1-50 PPM TOC.2012_03_01_18_57_00.cal	05/07/2012 06:12:40 PM
2	106.7	24.35ppm	50uL	1		1-50 PPM TOC.2012_03_01_18_57_00.cal	05/07/2012 06:15:12 PM
3	105.5	24.08ppm	50uL	1		1-50 PPM TOC.2012_03_01_18_57_00.cal	05/07/2012 06:17:34 PM
4	105.8	24.14ppm	50uL	1		1-50 PPM TOC.2012_03_01_18_57_00.cal	05/07/2012 06:19:56 PM

Mean Area 106.4
Mean Conc. 24.28ppm



Sample

Sample Name: MB
Sample ID:
Origin: TOC .met
Status Completed
Chk. Result

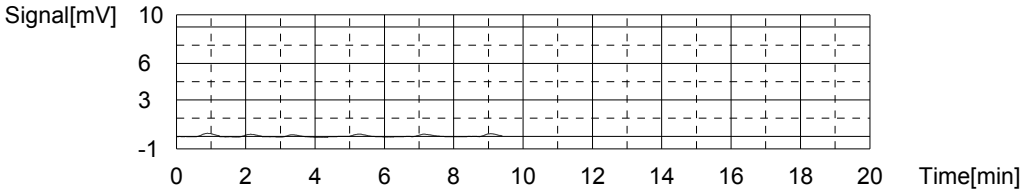
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:0.06955ppm

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	0.4497	0.1506ppm	50uL	1	E	1-50 PPM TOC.2012_03_01_18_57_00.cal	05/07/2012 06:29:40 PM
2	0.3762	0.1338ppm	50uL	1		1-50 PPM TOC.2012_03_01_18_57_00.cal	05/07/2012 06:31:06 PM
3	0.000	0.04813ppm	50uL	1		1-50 PPM TOC.2012_03_01_18_57_00.cal	05/07/2012 06:33:12 PM
4	0.000	0.04813ppm	50uL	1		1-50 PPM TOC.2012_03_01_18_57_00.cal	05/07/2012 06:35:18 PM
5	0.000	0.04813ppm	50uL	1		1-50 PPM TOC.2012_03_01_18_57_00.cal	05/07/2012 06:37:24 PM
6	0.4137	0.1424ppm	50uL	1	E	1-50 PPM TOC.2012_03_01_18_57_00.cal	05/07/2012 06:38:51 PM

Mean Area 0.09405
Mean Conc. 0.06955ppm



Sample

Sample Name: 280-28076-h-1
Sample ID:
Origin: TOC .met
Status Completed
Chk. Result

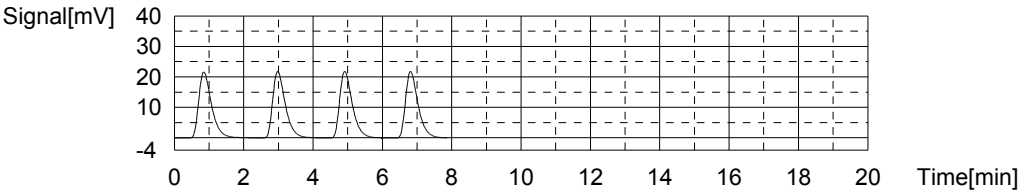
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:12.72ppm

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	55.80	12.76ppm	50uL	1		1-50 PPM TOC.2012_03_01_18_57_00.cal	05/07/2012 06:49:23 PM
2	55.58	12.71ppm	50uL	1		1-50 PPM TOC.2012_03_01_18_57_00.cal	05/07/2012 06:51:31 PM
3	55.90	12.78ppm	50uL	1		1-50 PPM TOC.2012_03_01_18_57_00.cal	05/07/2012 06:53:37 PM
4	55.31	12.65ppm	50uL	1		1-50 PPM TOC.2012_03_01_18_57_00.cal	05/07/2012 06:55:42 PM

Mean Area 55.65
Mean Conc. 12.72ppm



Sample

Sample Name: 280-28131-m-1
Sample ID:
Origin: TOC .met
Status Completed
Chk. Result

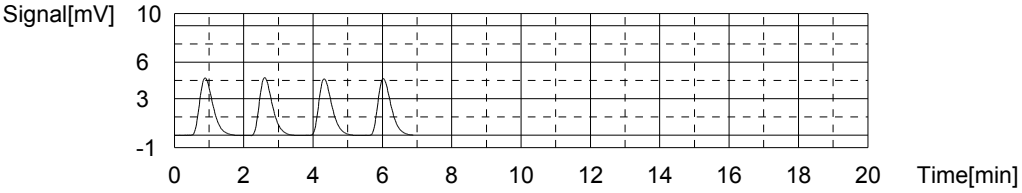
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:2.875ppm

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	12.61	2.920ppm	50uL	1		1-50 PPM TOC.2012_03_01_18_57_00.cal	05/07/2012 07:05:56 PM
2	12.46	2.886ppm	50uL	1		1-50 PPM TOC.2012_03_01_18_57_00.cal	05/07/2012 07:07:51 PM
3	12.23	2.834ppm	50uL	1		1-50 PPM TOC.2012_03_01_18_57_00.cal	05/07/2012 07:09:44 PM
4	12.35	2.861ppm	50uL	1		1-50 PPM TOC.2012_03_01_18_57_00.cal	05/07/2012 07:11:39 PM

Mean Area 12.41
Mean Conc. 2.875ppm



Sample

Sample Name: 280-28131-l-3
Sample ID:
Origin: TOC .met
Status Completed
Chk. Result

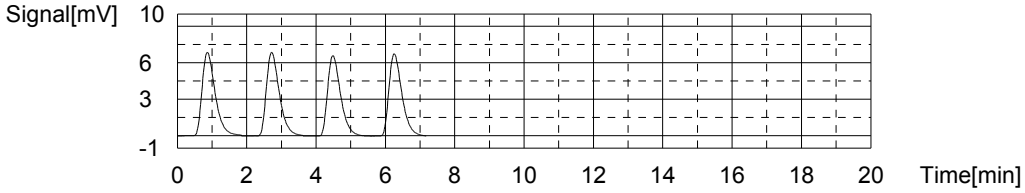
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:4.068ppm

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	17.88	4.120ppm	50uL	1		1-50 PPM TOC.2012_03_01_18_57_00.cal	05/07/2012 07:22:00 PM
2	17.79	4.100ppm	50uL	1		1-50 PPM TOC.2012_03_01_18_57_00.cal	05/07/2012 07:23:58 PM
3	17.27	3.981ppm	50uL	1		1-50 PPM TOC.2012_03_01_18_57_00.cal	05/07/2012 07:25:59 PM
4	17.66	4.070ppm	50uL	1		1-50 PPM TOC.2012_03_01_18_57_00.cal	05/07/2012 07:27:58 PM

Mean Area 17.65
Mean Conc. 4.068ppm



Sample

Sample Name: 280-28131-am-4
Sample ID:
Origin: TOC .met
Status Completed
Chk. Result

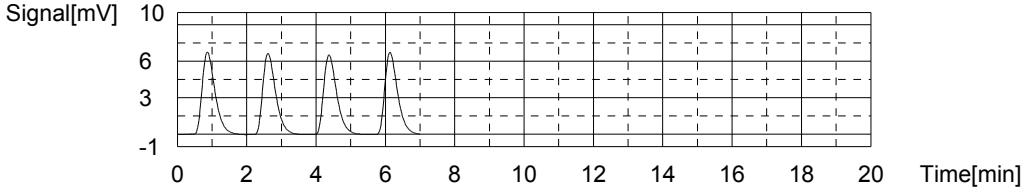
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:3.985ppm

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	17.45	4.022ppm	50uL	1		1-50 PPM TOC.2012_03_01_18_57_00.cal	05/07/2012 07:38:13 PM
2	17.22	3.970ppm	50uL	1		1-50 PPM TOC.2012_03_01_18_57_00.cal	05/07/2012 07:40:10 PM
3	17.14	3.952ppm	50uL	1		1-50 PPM TOC.2012_03_01_18_57_00.cal	05/07/2012 07:42:08 PM
4	17.33	3.995ppm	50uL	1		1-50 PPM TOC.2012_03_01_18_57_00.cal	05/07/2012 07:44:04 PM

Mean Area 17.29
Mean Conc. 3.985ppm



Sample

Sample Name: MS 280-28131-am-4
Sample ID:
Origin: TOC .met
Status Completed
Chk. Result

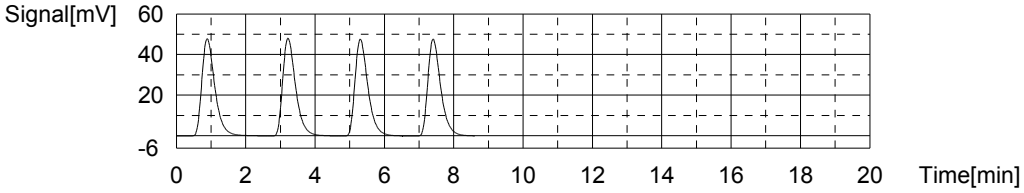
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:28.50ppm

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	125.6	28.65ppm	50uL	1		1-50 PPM TOC.2012_03_01_18_57_00.cal	05/07/2012 07:54:54 PM
2	125.2	28.56ppm	50uL	1		1-50 PPM TOC.2012_03_01_18_57_00.cal	05/07/2012 07:57:11 PM
3	124.6	28.43ppm	50uL	1		1-50 PPM TOC.2012_03_01_18_57_00.cal	05/07/2012 07:59:29 PM
4	124.3	28.36ppm	50uL	1		1-50 PPM TOC.2012_03_01_18_57_00.cal	05/07/2012 08:01:47 PM

Mean Area 124.9
Mean Conc. 28.50ppm



Sample

Sample Name: MSD280-28131-am-4
Sample ID:
Origin: TOC .met
Status Completed
Chk. Result

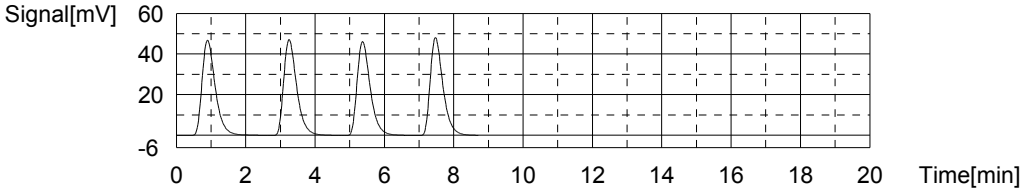
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:28.37ppm

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	125.0	28.52ppm	50uL	1		1-50 PPM TOC.2012_03_01_18_57_00.cal	05/07/2012 08:12:38 PM
2	124.4	28.38ppm	50uL	1		1-50 PPM TOC.2012_03_01_18_57_00.cal	05/07/2012 08:14:57 PM
3	122.9	28.04ppm	50uL	1		1-50 PPM TOC.2012_03_01_18_57_00.cal	05/07/2012 08:17:16 PM
4	125.1	28.54ppm	50uL	1		1-50 PPM TOC.2012_03_01_18_57_00.cal	05/07/2012 08:19:35 PM

Mean Area 124.4
Mean Conc. 28.37ppm



Sample

Sample Name: 280-28131-k-5
Sample ID:
Origin: TOC .met
Status Completed
Chk. Result

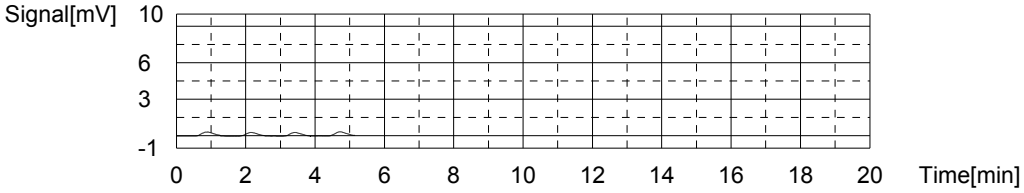
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:0.1879ppm

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	0.5962	0.1839ppm	50uL	1		1-50 PPM TOC.2012_03_01_18_57_00.cal	05/07/2012 08:29:21 PM
2	0.5720	0.1784ppm	50uL	1		1-50 PPM TOC.2012_03_01_18_57_00.cal	05/07/2012 08:30:50 PM
3	0.6030	0.1855ppm	50uL	1		1-50 PPM TOC.2012_03_01_18_57_00.cal	05/07/2012 08:32:20 PM
4	0.6833	0.2038ppm	50uL	1		1-50 PPM TOC.2012_03_01_18_57_00.cal	05/07/2012 08:33:50 PM

Mean Area 0.6136
Mean Conc. 0.1879ppm



Sample

Sample Name: 280-28131-I-6
Sample ID:
Origin: TOC .met
Status Completed
Chk. Result

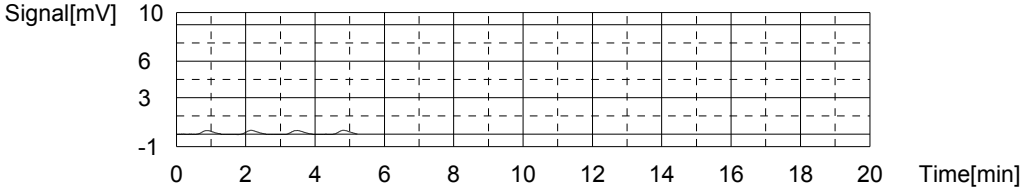
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:0.1979ppm

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	0.5967	0.1840ppm	50uL	1		1-50 PPM TOC.2012_03_01_18_57_00.cal	05/07/2012 08:43:37 PM
2	0.7057	0.2089ppm	50uL	1		1-50 PPM TOC.2012_03_01_18_57_00.cal	05/07/2012 08:45:07 PM
3	0.6863	0.2044ppm	50uL	1		1-50 PPM TOC.2012_03_01_18_57_00.cal	05/07/2012 08:46:40 PM
4	0.6419	0.1943ppm	50uL	1		1-50 PPM TOC.2012_03_01_18_57_00.cal	05/07/2012 08:48:09 PM

Mean Area 0.6577
Mean Conc. 0.1979ppm



Sample

Sample Name: 280-28076-k-1
Sample ID:
Origin: TOC .met
Status Completed
Chk. Result

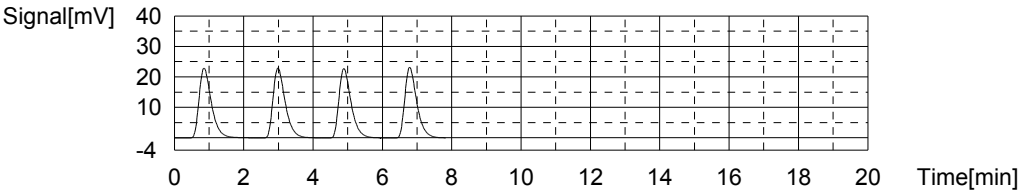
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:12.89ppm

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	56.68	12.96ppm	50uL	1		1-50 PPM TOC.2012_03_01_18_57_00.cal	05/07/2012 08:58:46 PM
2	56.68	12.96ppm	50uL	1		1-50 PPM TOC.2012_03_01_18_57_00.cal	05/07/2012 09:00:52 PM
3	55.96	12.79ppm	50uL	1		1-50 PPM TOC.2012_03_01_18_57_00.cal	05/07/2012 09:02:58 PM
4	56.25	12.86ppm	50uL	1		1-50 PPM TOC.2012_03_01_18_57_00.cal	05/07/2012 09:05:03 PM

Mean Area 56.39
Mean Conc. 12.89ppm



Sample

Sample Name: 280-28131-I-1
Sample ID:
Origin: TOC .met
Status Completed
Chk. Result

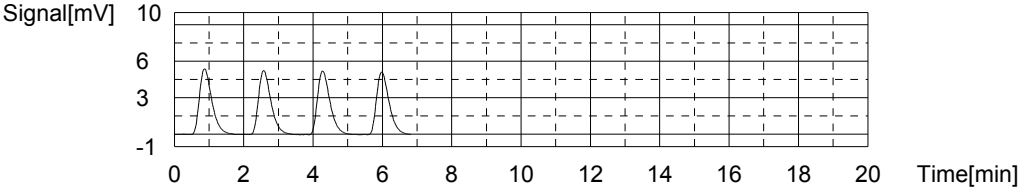
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:3.043ppm

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	13.36	3.091ppm	50uL	1		1-50 PPM TOC.2012_03_01_18_57_00.cal	05/07/2012 09:15:15 PM
2	13.08	3.027ppm	50uL	1		1-50 PPM TOC.2012_03_01_18_57_00.cal	05/07/2012 09:17:09 PM
3	13.14	3.041ppm	50uL	1		1-50 PPM TOC.2012_03_01_18_57_00.cal	05/07/2012 09:19:03 PM
4	13.02	3.013ppm	50uL	1		1-50 PPM TOC.2012_03_01_18_57_00.cal	05/07/2012 09:20:58 PM

Mean Area 13.15
Mean Conc. 3.043ppm



Sample

Sample Name: CCV
Sample ID:
Origin: TOC .met
Status Completed
Chk. Result

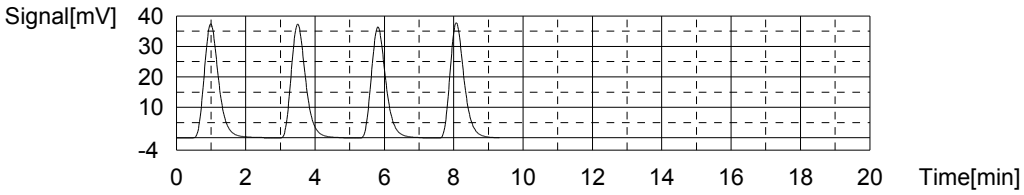
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:24.62ppm

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	108.6	24.78ppm	50uL	1		1-50 PPM TOC.2012_03_01_18_57_00.cal	05/07/2012 09:32:00 PM
2	108.8	24.83ppm	50uL	1		1-50 PPM TOC.2012_03_01_18_57_00.cal	05/07/2012 09:34:30 PM
3	106.6	24.33ppm	50uL	1		1-50 PPM TOC.2012_03_01_18_57_00.cal	05/07/2012 09:36:59 PM
4	107.6	24.55ppm	50uL	1		1-50 PPM TOC.2012_03_01_18_57_00.cal	05/07/2012 09:39:24 PM

Mean Area 107.9
Mean Conc. 24.62ppm



Sample

Sample Name: CCB
Sample ID:
Origin: TOC .met
Status Completed
Chk. Result

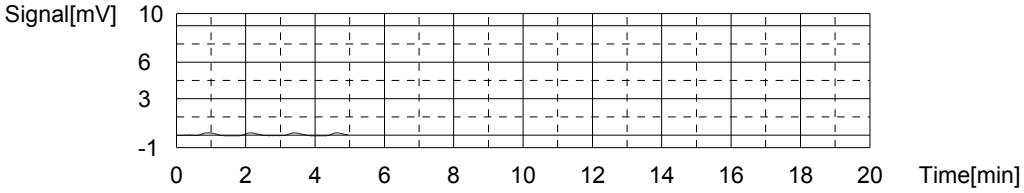
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:0.1320ppm

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	0.3504	0.1279ppm	50uL	1		1-50 PPM TOC.2012_03_01_18_57_00.cal	05/07/2012 09:49:08 PM
2	0.4375	0.1478ppm	50uL	1		1-50 PPM TOC.2012_03_01_18_57_00.cal	05/07/2012 09:50:36 PM
3	0.3618	0.1305ppm	50uL	1		1-50 PPM TOC.2012_03_01_18_57_00.cal	05/07/2012 09:52:02 PM
4	0.3241	0.1219ppm	50uL	1		1-50 PPM TOC.2012_03_01_18_57_00.cal	05/07/2012 09:53:27 PM

Mean Area 0.3685
Mean Conc. 0.1320ppm



Sample

Sample Name: 280-28131-n-3
Sample ID:
Origin: TOC .met
Status Completed
Chk. Result

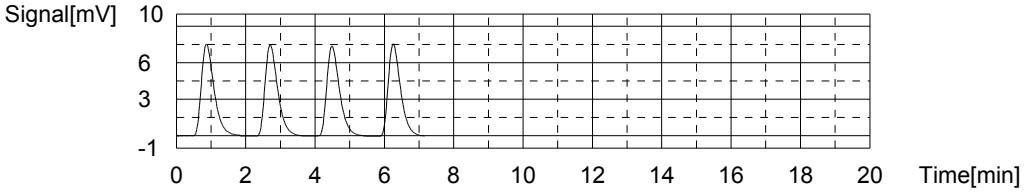
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:4.384ppm

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	19.25	4.432ppm	50uL	1		1-50 PPM TOC.2012_03_01_18_57_00.cal	05/07/2012 10:03:47 PM
2	19.06	4.389ppm	50uL	1		1-50 PPM TOC.2012_03_01_18_57_00.cal	05/07/2012 10:05:46 PM
3	18.86	4.344ppm	50uL	1		1-50 PPM TOC.2012_03_01_18_57_00.cal	05/07/2012 10:07:44 PM
4	18.98	4.371ppm	50uL	1		1-50 PPM TOC.2012_03_01_18_57_00.cal	05/07/2012 10:09:42 PM

Mean Area 19.04
Mean Conc. 4.384ppm



Sample

Sample Name: 280-28131-ai-4
Sample ID:
Origin: TOC .met
Status Completed
Chk. Result

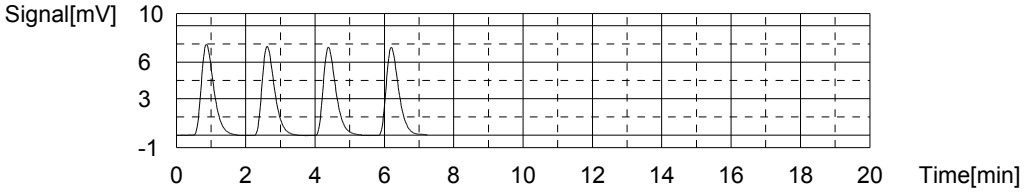
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:4.260ppm

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	18.75	4.319ppm	50uL	1		1-50 PPM TOC.2012_03_01_18_57_00.cal	05/07/2012 10:19:56 PM
2	18.41	4.241ppm	50uL	1		1-50 PPM TOC.2012_03_01_18_57_00.cal	05/07/2012 10:21:54 PM
3	18.46	4.252ppm	50uL	1		1-50 PPM TOC.2012_03_01_18_57_00.cal	05/07/2012 10:23:55 PM
4	18.35	4.227ppm	50uL	1		1-50 PPM TOC.2012_03_01_18_57_00.cal	05/07/2012 10:26:01 PM

Mean Area 18.49
Mean Conc. 4.260ppm



Sample

Sample Name: MS 280-28131-ai-4
Sample ID:
Origin: TOC .met
Status Completed
Chk. Result

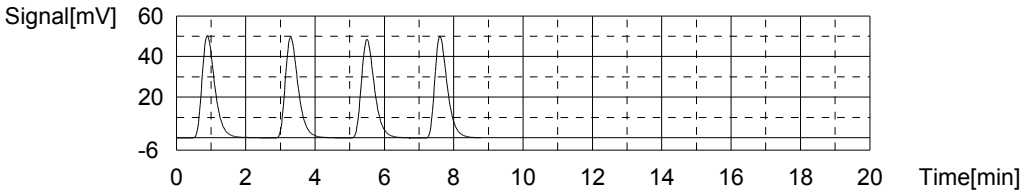
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:29.39ppm

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	130.6	29.79ppm	50uL	1		1-50 PPM TOC.2012_03_01_18_57_00.cal	05/07/2012 10:36:55 PM
2	129.1	29.45ppm	50uL	1		1-50 PPM TOC.2012_03_01_18_57_00.cal	05/07/2012 10:39:17 PM
3	128.8	29.38ppm	50uL	1		1-50 PPM TOC.2012_03_01_18_57_00.cal	05/07/2012 10:41:37 PM
4	126.9	28.95ppm	50uL	1		1-50 PPM TOC.2012_03_01_18_57_00.cal	05/07/2012 10:43:53 PM

Mean Area 128.8
Mean Conc. 29.39ppm



Sample

Sample Name: MSD 280-28131-ai-4
Sample ID:
Origin: TOC .met
Status Completed
Chk. Result

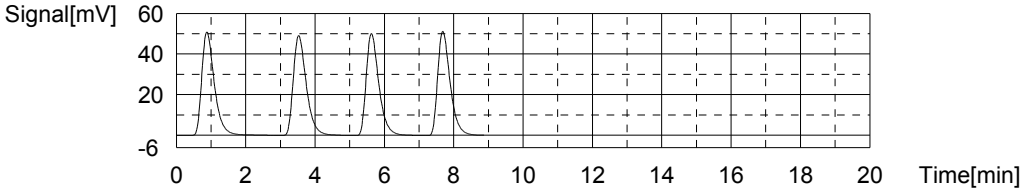
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:29.48ppm

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	129.8	29.61ppm	50uL	1		1-50 PPM TOC.2012_03_01_18_57_00.cal	05/07/2012 10:55:01 PM
2	129.2	29.47ppm	50uL	1		1-50 PPM TOC.2012_03_01_18_57_00.cal	05/07/2012 10:57:20 PM
3	128.5	29.31ppm	50uL	1		1-50 PPM TOC.2012_03_01_18_57_00.cal	05/07/2012 10:59:36 PM
4	129.4	29.52ppm	50uL	1		1-50 PPM TOC.2012_03_01_18_57_00.cal	05/07/2012 11:01:52 PM

Mean Area 129.2
Mean Conc. 29.48ppm



Sample

Sample Name: 280-28131-l-5
Sample ID:
Origin: TOC .met
Status Completed
Chk. Result

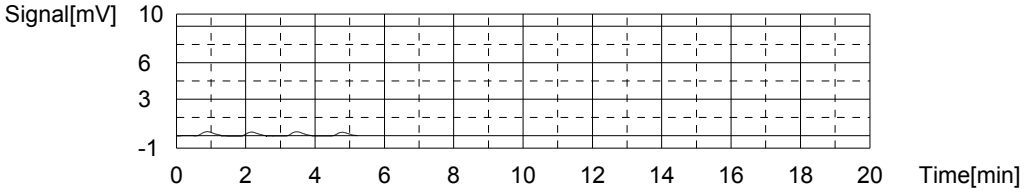
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:0.2053ppm

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	0.6683	0.2003ppm	50uL	1		1-50 PPM TOC.2012_03_01_18_57_00.cal	05/07/2012 11:11:39 PM
2	0.7365	0.2159ppm	50uL	1		1-50 PPM TOC.2012_03_01_18_57_00.cal	05/07/2012 11:13:09 PM
3	0.7501	0.2190ppm	50uL	1		1-50 PPM TOC.2012_03_01_18_57_00.cal	05/07/2012 11:14:40 PM
4	0.6058	0.1861ppm	50uL	1		1-50 PPM TOC.2012_03_01_18_57_00.cal	05/07/2012 11:16:11 PM

Mean Area 0.6902
Mean Conc. 0.2053ppm



Sample

Sample Name: 280-28131-n-6
Sample ID:
Origin: TOC .met
Status Completed
Chk. Result

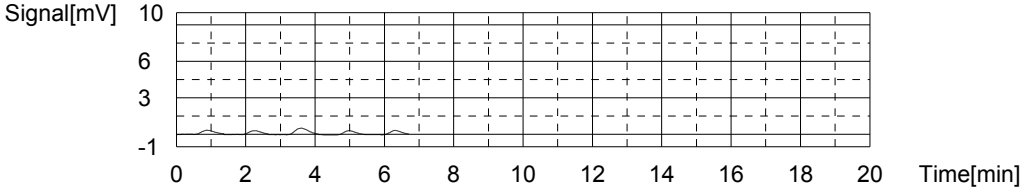
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:0.1968ppm

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	0.7043	0.2085ppm	50uL	1		1-50 PPM TOC.2012_03_01_18_57_00.cal	05/07/2012 11:26:03 PM
2	0.5881	0.1821ppm	50uL	1		1-50 PPM TOC.2012_03_01_18_57_00.cal	05/07/2012 11:27:32 PM
3	1.272	0.3378ppm	50uL	1	E	1-50 PPM TOC.2012_03_01_18_57_00.cal	05/07/2012 11:29:12 PM
4	0.6797	0.2029ppm	50uL	1		1-50 PPM TOC.2012_03_01_18_57_00.cal	05/07/2012 11:30:44 PM
5	0.6391	0.1937ppm	50uL	1		1-50 PPM TOC.2012_03_01_18_57_00.cal	05/07/2012 11:32:12 PM

Mean Area 0.6528
Mean Conc. 0.1968ppm



Sample

Sample Name: CCV
Sample ID:
Origin: TOC .met
Status Completed
Chk. Result

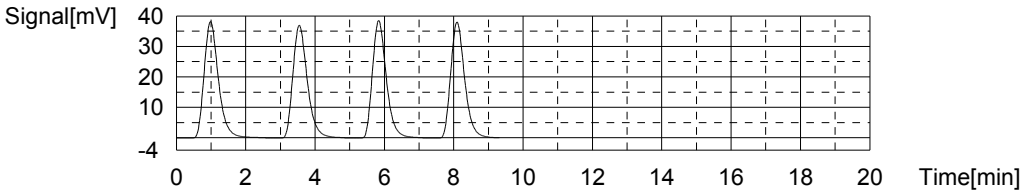
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:24.74ppm

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	110.2	25.15ppm	50uL	1		1-50 PPM TOC.2012_03_01_18_57_00.cal	05/07/2012 11:43:14 PM
2	107.7	24.58ppm	50uL	1		1-50 PPM TOC.2012_03_01_18_57_00.cal	05/07/2012 11:45:43 PM
3	108.0	24.65ppm	50uL	1		1-50 PPM TOC.2012_03_01_18_57_00.cal	05/07/2012 11:48:10 PM
4	107.8	24.60ppm	50uL	1		1-50 PPM TOC.2012_03_01_18_57_00.cal	05/07/2012 11:50:35 PM

Mean Area 108.4
Mean Conc. 24.74ppm



Sample

Sample Name: CCB
Sample ID:
Origin: TOC .met
Status Completed
Chk. Result

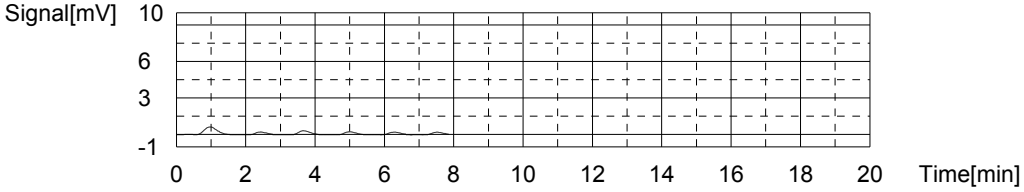
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:0.1338ppm

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	1.572	0.4062ppm	50uL	1	E	1-50 PPM TOC.2012_03_01_18_57_00.cal	05/08/2012 12:00:37 AM
2	0.3368	0.1248ppm	50uL	1		1-50 PPM TOC.2012_03_01_18_57_00.cal	05/08/2012 12:02:03 AM
3	0.6951	0.2064ppm	50uL	1	E	1-50 PPM TOC.2012_03_01_18_57_00.cal	05/08/2012 12:03:35 AM
4	0.4776	0.1569ppm	50uL	1		1-50 PPM TOC.2012_03_01_18_57_00.cal	05/08/2012 12:05:04 AM
5	0.3492	0.1277ppm	50uL	1		1-50 PPM TOC.2012_03_01_18_57_00.cal	05/08/2012 12:06:30 AM
6	0.3407	0.1257ppm	50uL	1		1-50 PPM TOC.2012_03_01_18_57_00.cal	05/08/2012 12:07:57 AM

Mean Area 0.3761
Mean Conc. 0.1338ppm



TOC-V Cal Curve Information
1-50 PPM TOC.2012_03_01_18_57_00.cal

Date of Creation	11:15:53 AM 10/28/2005
User	DEANN
System	TOC-VCSH

Cal. Curve

Sample Name:	cal
Sample ID:	CAL
Cal. Curve:	1-50 PPM TOC.2012_03_01_18_57_00.cal
Status	Completed
Comment:	

Type	Anal.
Standard	NPOC

Conc: 0.000mg/L

No.	Area	Inj. Vol.	Aut. Dil.	Rem.	Ex.	Date / Time
1	0.000	50uL	1	*******		03/01/2012 07:05:26 F
2	0.000	50uL	1	*******		03/01/2012 07:07:32 F

Acid Add.	1.500%
Sp. Time	90.00sec
Mean Area	0.000
SD Area	0.000
CV Area	0.00%
Vial	88

Conc: 1.000mg/L

No.	Area	Inj. Vol.	Aut. Dil.	Rem.	Ex.	Date / Time
1	4.606	50uL	1	*******		03/01/2012 07:17:49 F
2	4.539	50uL	1	*******		03/01/2012 07:19:41 F

Acid Add.	1.500%
Sp. Time	90.00sec
Mean Area	4.572
SD Area	0.04738
CV Area	1.04%
Vial	89

Conc: 5.000mg/L

No.	Area	Inj. Vol.	Aut. Dil.	Rem.	Ex.	Date / Time
1	21.79	50uL	1	*******		03/01/2012 07:30:21 F
2	21.50	50uL	1	*******		03/01/2012 07:32:27 F

Acid Add.	1.500%
Sp. Time	90.00sec
Mean Area	21.65
SD Area	0.2051
CV Area	0.95%
Vial	90

Conc: 10.00mg/L

No.	Area	Inj. Vol.	Aut. Dil.	Rem.	Ex.	Date / Time
1	43.48	50uL	1	*******		03/01/2012 07:43:24 P
2	42.96	50uL	1	*******		03/01/2012 07:45:39 P

Acid Add. 1.500%
Sp. Time 90.00sec
Mean Area 43.22
SD Area 0.3677
CV Area 0.85%
Vial 91

Conc: 25.00mg/L

No.	Area	Inj. Vol.	Aut. Dil.	Rem.	Ex.	Date / Time
1	109.9	50uL	1	*******		03/01/2012 07:56:58 P
2	108.7	50uL	1	*******		03/01/2012 07:59:37 P

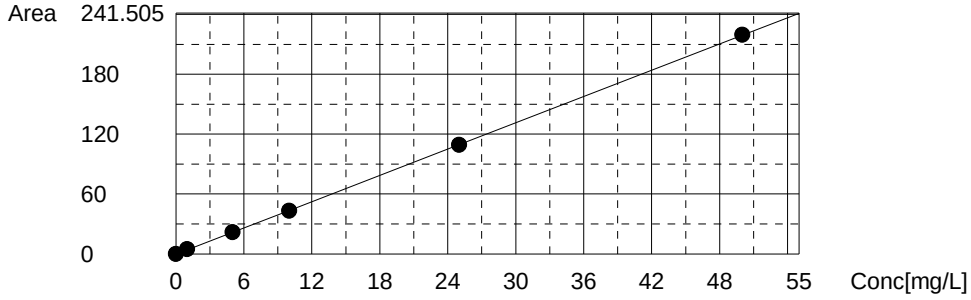
Acid Add. 1.500%
Sp. Time 90.00sec
Mean Area 109.3
SD Area 0.8485
CV Area 0.78%
Vial 92

Conc: 50.00mg/L

No.	Area	Inj. Vol.	Aut. Dil.	Rem.	Ex.	Date / Time
1	219.6	50uL	1	*******		03/01/2012 08:11:17 P
2	219.5	50uL	1	*******		03/01/2012 08:14:04 P

Acid Add. 1.500%
Sp. Time 90.00sec
Mean Area 219.6
SD Area 0.07071
CV Area 0.03%
Vial 93

Slope: 4.391
Intercept -0.2113
r^2 1.0000
r 1.0000
Zero Shift No



Wet Chemistry Data Review Checklist
For Tests with Calibration Curves

Test Name/ Method #: TOC / DOC

SOP # DV-WC-00076

Instrument: SHT2 Analyst: D. Klein

Analysis Date: 5/7/12

Lot / Sample Numbers	Matrix	Prep Batch	Batch	Method	Special Inst
28076, 28133 P.B. 05-08-12	AQ	—	118783	9060	TOC
L	L	—	118784	L	DOC

A. Calibration/Instrument Run QC	Yes	No	N/A	2nd Level
1. Minimum of five standards in ICAL or as specified in method?	✓			✓
2. Correlation coefficient ≥ 0.995 ?	✓			✓
3. Second-source ICV analyzed, and recovery within acceptance limits?	✓			✓
4. ICB analyzed immediately after the ICV & results < the RL	✓			✓
5. CCV analyzed after every ten samples & recovery within acceptance limits?	✓			✓
6. CCB analyzed after every CCV & results < RL?	✓			✓
7. Absolute value of the intercept is < ± ½ the RL?	✓			✓
B. Sample Results				
1. All samples greater than highest calibration standard diluted and reanalyzed?	✓			✓
2. Do associated RLs/MDLs reflect dilutions or limited sample volume?	✓			✓
3. All reported results bracketed by in control CCV results?	✓			✓
4. Sample analyses done within holding time?	✓			✓
5. Initial pH check documented for all samples? (If Applicable)	✓			✓
6. Preparation benchsheet completed and included in package?			—	✓
7. Client requirements reviewed and met?	✓			✓
8. Were data manually transcribed from instrument printouts into TALS verified 100% including significant figures and correct units? (If Applicable)	✓			✓
9. Do the prep and analysis dates in TALS reflect the actual dates?	✓			✓
11. Raw data copies prepared, scanned, and uploaded?	✓			✓
12. Manual integrations done properly and initialed and dated?			—	✓
13. STD/True Value information is updated and included?	✓			✓
C. Preparation/Matrix QC				
1. Method blank < RL or all reported samples > 10x blank have NCM?	✓			✓
2. Method blank < ½ RL or NCM provided?	✓			✓
3. LCS/LCSD run for batch and within QC limits?	✓			✓
4. MS/MSD run at required frequency and within limits or NCM written?	✓			✓
5. DUP run at required frequency and RPD within acceptance limits or NCM written?			—	✓

Analyst: D. Klein Date: 5/8/12

2nd Level Reviewer : D.B. Date: 05-08-12

Due 05/10

	Analysis	Sample Name	Dilution	Result	Date / Time	Vial
1	NPOC	ICV	1.000	NPOC:19.46ppm	05/07/2012 05:21:15 PM	1
2	NPOC	ICB	1.000	NPOC:0.06812ppm	05/07/2012 05:40:30 PM	2
3	NPOC	LCS	1.000	NPOC:24.35ppm	05/07/2012 06:01:37 PM	3
4	NPOC	LCSD	1.000	NPOC:24.28ppm	05/07/2012 06:19:56 PM	4
5	NPOC	MB	1.000	NPOC:0.06955ppm	05/07/2012 06:38:51 PM	5
6	NPOC	280-28076-h-1	1.000	NPOC:12.72ppm	05/07/2012 06:55:42 PM	6
7	NPOC	280-28131-m-1	1.000	NPOC:2.875ppm	05/07/2012 07:11:39 PM	7
8	NPOC	280-28131-l-3	1.000	NPOC:4.068ppm	05/07/2012 07:27:58 PM	8
9	NPOC	280-28131-am-4	1.000	NPOC:3.985ppm	05/07/2012 07:44:04 PM	9
10	NPOC	MS 280-28131-am-4	1.000	NPOC:28.50ppm	05/07/2012 08:01:47 PM	10
11	NPOC	MSD280-28131-am-4	1.000	NPOC:28.37ppm	05/07/2012 08:19:35 PM	11
12	NPOC	280-28131-k-5	1.000	NPOC:0.1879ppm	05/07/2012 08:33:50 PM	12
13	NPOC	280-28131-l-6	1.000	NPOC:0.1979ppm	05/07/2012 08:48:09 PM	13
14	NPOC	280-28076-k-1	1.000	NPOC:12.89ppm	05/07/2012 09:05:03 PM	14
15	NPOC	280-28131-l-1	1.000	NPOC:3.043ppm	05/07/2012 09:20:58 PM	15
16	NPOC	CCV	1.000	NPOC:24.62ppm	05/07/2012 09:39:24 PM	16
17	NPOC	CCB	1.000	NPOC:0.1320ppm	05/07/2012 09:53:27 PM	17
18	NPOC	280-28131-n-3	1.000	NPOC:4.384ppm	05/07/2012 10:09:42 PM	18
19	NPOC	280-28131-ai-4	1.000	NPOC:4.260ppm	05/07/2012 10:26:01 PM	19
20	NPOC	MS 280-28131-ai-4	1.000	NPOC:29.39ppm	05/07/2012 10:43:53 PM	20
21	NPOC	MSD 280-28131-ai-4	1.000	NPOC:29.48ppm	05/07/2012 11:01:52 PM	21
22	NPOC	280-28131-l-5	1.000	NPOC:0.2053ppm	05/07/2012 11:16:11 PM	22
23	NPOC	280-28131-n-6	1.000	NPOC:0.1968ppm	05/07/2012 11:32:12 PM	23
24	NPOC	CCV	1.000	NPOC:24.74ppm	05/07/2012 11:50:35 PM	24
25	NPOC	CCB	1.000	NPOC:0.1338ppm	05/08/2012 12:07:57 AM	25

Instr.Information

System	TOC-VCSH(2)
Detector	Combustion
Catalyst	Regular Sensitivity
Cell Length	long

Sample

Sample Name:	ICV
Sample ID:	
Origin:	TOC .met
Status	Completed
Chk. Result	

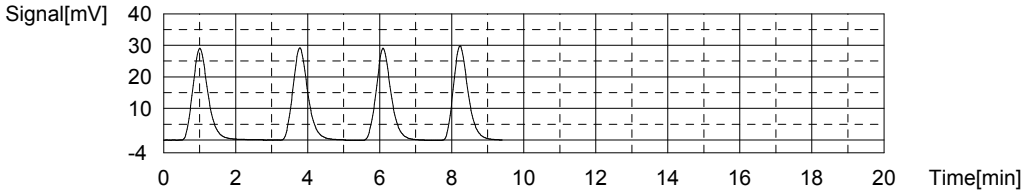
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:19.46ppm

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	86.03	19.64ppm	50uL	1		1-50 PPM TOC.2012_03_01_18_57_00.cal	05/07/2012 05:14:00 PM
2	85.18	19.45ppm	50uL	1		1-50 PPM TOC.2012_03_01_18_57_00.cal	05/07/2012 05:16:29 PM
3	84.11	19.20ppm	50uL	1		1-50 PPM TOC.2012_03_01_18_57_00.cal	05/07/2012 05:18:53 PM
4	85.54	19.53ppm	50uL	1		1-50 PPM TOC.2012_03_01_18_57_00.cal	05/07/2012 05:21:15 PM

Mean Area 85.22
Mean Conc. 19.46ppm



Sample

Sample Name:	ICB
Sample ID:	
Origin:	TOC .met
Status	Completed
Chk. Result	

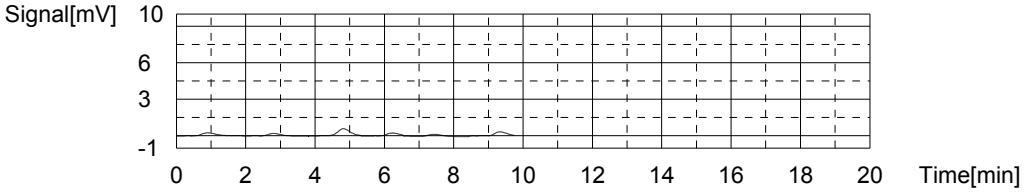
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:0.06812ppm

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	0.000	0.04813ppm	50uL	1		1-50 PPM TOC.2012_03_01_18_57_00.cal	05/07/2012 05:31:39 PM
2	0.000	0.04813ppm	50uL	1		1-50 PPM TOC.2012_03_01_18_57_00.cal	05/07/2012 05:33:45 PM
3	1.197	0.3208ppm	50uL	1	E	1-50 PPM TOC.2012_03_01_18_57_00.cal	05/07/2012 05:35:28 PM
4	0.3511	0.1281ppm	50uL	1		1-50 PPM TOC.2012_03_01_18_57_00.cal	05/07/2012 05:36:53 PM
5	0.000	0.04813ppm	50uL	1		1-50 PPM TOC.2012_03_01_18_57_00.cal	05/07/2012 05:38:59 PM
6	0.6185	0.1890ppm	50uL	1	E	1-50 PPM TOC.2012_03_01_18_57_00.cal	05/07/2012 05:40:30 PM

Mean Area 0.08778
Mean Conc. 0.06812ppm



Sample

Sample Name: LCS
Sample ID:
Origin: TOC .met
Status Completed
Chk. Result

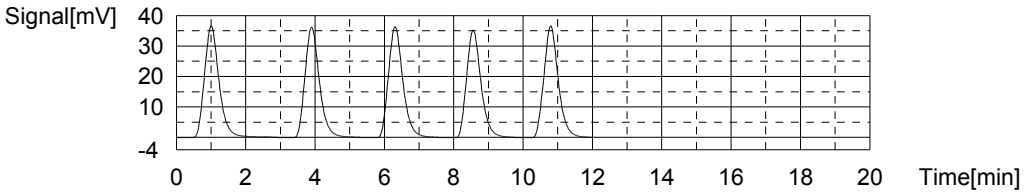
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:24.35ppm

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	107.8	24.60ppm	50uL	1		1-50 PPM TOC.2012_03_01_18_57_00.cal	05/07/2012 05:51:48 PM
2	105.6	24.10ppm	50uL	1		1-50 PPM TOC.2012_03_01_18_57_00.cal	05/07/2012 05:54:23 PM
3	106.4	24.28ppm	50uL	1		1-50 PPM TOC.2012_03_01_18_57_00.cal	05/07/2012 05:56:50 PM
4	102.6	23.42ppm	50uL	1	E	1-50 PPM TOC.2012_03_01_18_57_00.cal	05/07/2012 05:59:14 PM
5	107.0	24.42ppm	50uL	1		1-50 PPM TOC.2012_03_01_18_57_00.cal	05/07/2012 06:01:37 PM

Mean Area 106.7
Mean Conc. 24.35ppm



Sample

Sample Name: LCSD
Sample ID:
Origin: TOC .met
Status Completed
Chk. Result

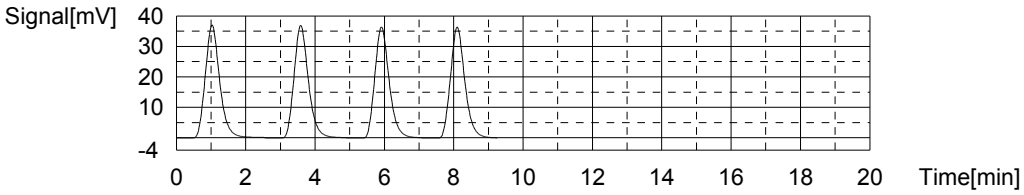
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:24.28ppm

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	107.6	24.55ppm	50uL	1		1-50 PPM TOC.2012_03_01_18_57_00.cal	05/07/2012 06:12:40 PM
2	106.7	24.35ppm	50uL	1		1-50 PPM TOC.2012_03_01_18_57_00.cal	05/07/2012 06:15:12 PM
3	105.5	24.08ppm	50uL	1		1-50 PPM TOC.2012_03_01_18_57_00.cal	05/07/2012 06:17:34 PM
4	105.8	24.14ppm	50uL	1		1-50 PPM TOC.2012_03_01_18_57_00.cal	05/07/2012 06:19:56 PM

Mean Area 106.4
Mean Conc. 24.28ppm



Sample

Sample Name: MB
Sample ID:
Origin: TOC .met
Status Completed
Chk. Result

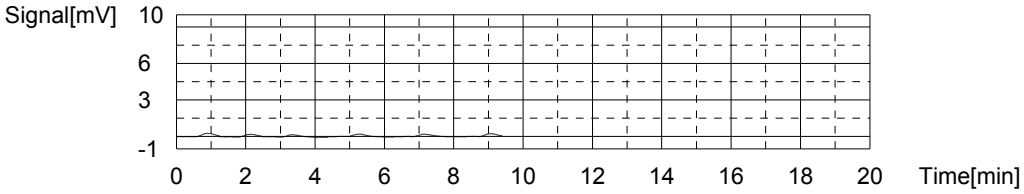
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:0.06955ppm

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	0.4497	0.1506ppm	50uL	1	E	1-50 PPM TOC.2012_03_01_18_57_00.cal	05/07/2012 06:29:40 PM
2	0.3762	0.1338ppm	50uL	1		1-50 PPM TOC.2012_03_01_18_57_00.cal	05/07/2012 06:31:06 PM
3	0.000	0.04813ppm	50uL	1		1-50 PPM TOC.2012_03_01_18_57_00.cal	05/07/2012 06:33:12 PM
4	0.000	0.04813ppm	50uL	1		1-50 PPM TOC.2012_03_01_18_57_00.cal	05/07/2012 06:35:18 PM
5	0.000	0.04813ppm	50uL	1		1-50 PPM TOC.2012_03_01_18_57_00.cal	05/07/2012 06:37:24 PM
6	0.4137	0.1424ppm	50uL	1	E	1-50 PPM TOC.2012_03_01_18_57_00.cal	05/07/2012 06:38:51 PM

Mean Area 0.09405
Mean Conc. 0.06955ppm



Sample

Sample Name: 280-28076-h-1
Sample ID:
Origin: TOC .met
Status Completed
Chk. Result

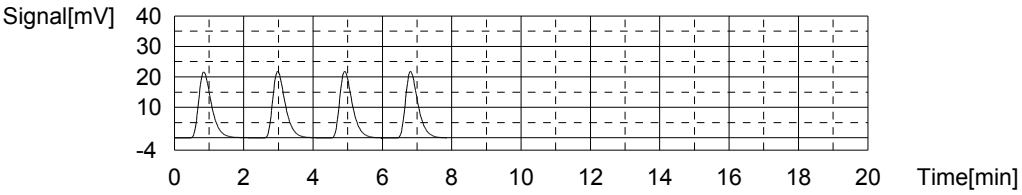
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:12.72ppm

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	55.80	12.76ppm	50uL	1		1-50 PPM TOC.2012_03_01_18_57_00.cal	05/07/2012 06:49:23 PM
2	55.58	12.71ppm	50uL	1		1-50 PPM TOC.2012_03_01_18_57_00.cal	05/07/2012 06:51:31 PM
3	55.90	12.78ppm	50uL	1		1-50 PPM TOC.2012_03_01_18_57_00.cal	05/07/2012 06:53:37 PM
4	55.31	12.65ppm	50uL	1		1-50 PPM TOC.2012_03_01_18_57_00.cal	05/07/2012 06:55:42 PM

Mean Area 55.65
Mean Conc. 12.72ppm



Sample

Sample Name: 280-28131-m-1
Sample ID:
Origin: TOC .met
Status Completed
Chk. Result

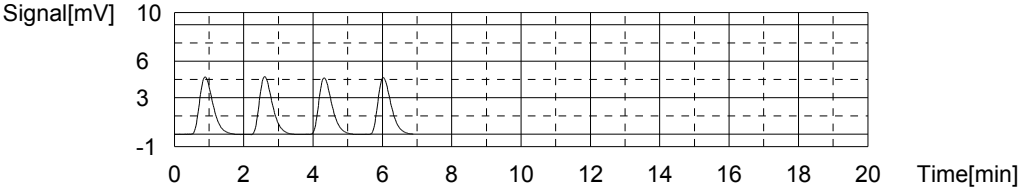
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:2.875ppm

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	12.61	2.920ppm	50uL	1		1-50 PPM TOC.2012_03_01_18_57_00.cal	05/07/2012 07:05:56 PM
2	12.46	2.886ppm	50uL	1		1-50 PPM TOC.2012_03_01_18_57_00.cal	05/07/2012 07:07:51 PM
3	12.23	2.834ppm	50uL	1		1-50 PPM TOC.2012_03_01_18_57_00.cal	05/07/2012 07:09:44 PM
4	12.35	2.861ppm	50uL	1		1-50 PPM TOC.2012_03_01_18_57_00.cal	05/07/2012 07:11:39 PM

Mean Area 12.41
Mean Conc. 2.875ppm



Sample

Sample Name: 280-28131-l-3
Sample ID:
Origin: TOC .met
Status Completed
Chk. Result

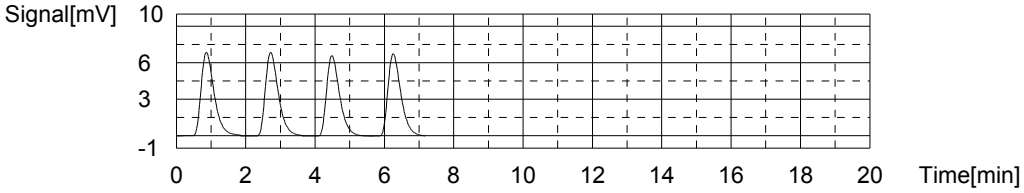
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:4.068ppm

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	17.88	4.120ppm	50uL	1		1-50 PPM TOC.2012_03_01_18_57_00.cal	05/07/2012 07:22:00 PM
2	17.79	4.100ppm	50uL	1		1-50 PPM TOC.2012_03_01_18_57_00.cal	05/07/2012 07:23:58 PM
3	17.27	3.981ppm	50uL	1		1-50 PPM TOC.2012_03_01_18_57_00.cal	05/07/2012 07:25:59 PM
4	17.66	4.070ppm	50uL	1		1-50 PPM TOC.2012_03_01_18_57_00.cal	05/07/2012 07:27:58 PM

Mean Area 17.65
Mean Conc. 4.068ppm



Sample

Sample Name: 280-28131-am-4
Sample ID:
Origin: TOC .met
Status Completed
Chk. Result

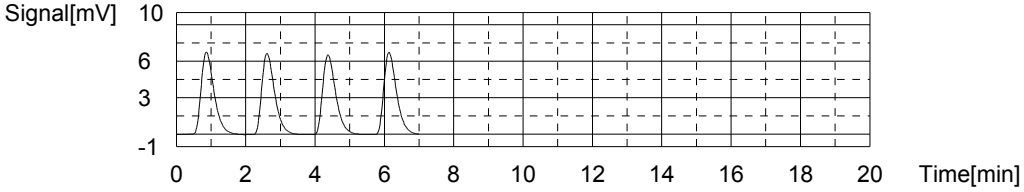
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:3.985ppm

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	17.45	4.022ppm	50uL	1		1-50 PPM TOC.2012_03_01_18_57_00.cal	05/07/2012 07:38:13 PM
2	17.22	3.970ppm	50uL	1		1-50 PPM TOC.2012_03_01_18_57_00.cal	05/07/2012 07:40:10 PM
3	17.14	3.952ppm	50uL	1		1-50 PPM TOC.2012_03_01_18_57_00.cal	05/07/2012 07:42:08 PM
4	17.33	3.995ppm	50uL	1		1-50 PPM TOC.2012_03_01_18_57_00.cal	05/07/2012 07:44:04 PM

Mean Area 17.29
Mean Conc. 3.985ppm



Sample

Sample Name: MS 280-28131-am-4
Sample ID:
Origin: TOC .met
Status Completed
Chk. Result

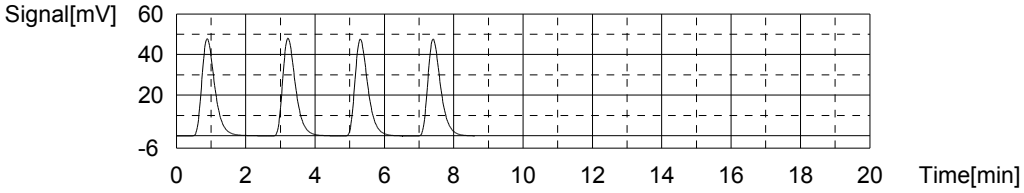
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:28.50ppm

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	125.6	28.65ppm	50uL	1		1-50 PPM TOC.2012_03_01_18_57_00.cal	05/07/2012 07:54:54 PM
2	125.2	28.56ppm	50uL	1		1-50 PPM TOC.2012_03_01_18_57_00.cal	05/07/2012 07:57:11 PM
3	124.6	28.43ppm	50uL	1		1-50 PPM TOC.2012_03_01_18_57_00.cal	05/07/2012 07:59:29 PM
4	124.3	28.36ppm	50uL	1		1-50 PPM TOC.2012_03_01_18_57_00.cal	05/07/2012 08:01:47 PM

Mean Area 124.9
Mean Conc. 28.50ppm



Sample

Sample Name: MSD280-28131-am-4
Sample ID:
Origin: TOC .met
Status Completed
Chk. Result

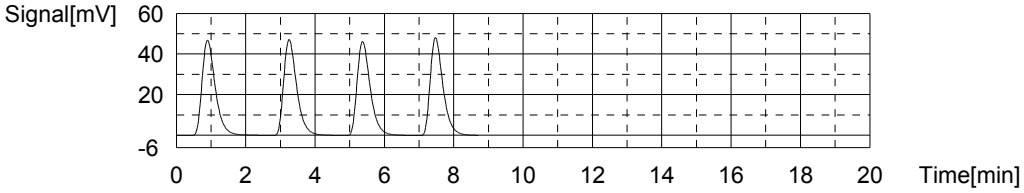
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:28.37ppm

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	125.0	28.52ppm	50uL	1		1-50 PPM TOC.2012_03_01_18_57_00.cal	05/07/2012 08:12:38 PM
2	124.4	28.38ppm	50uL	1		1-50 PPM TOC.2012_03_01_18_57_00.cal	05/07/2012 08:14:57 PM
3	122.9	28.04ppm	50uL	1		1-50 PPM TOC.2012_03_01_18_57_00.cal	05/07/2012 08:17:16 PM
4	125.1	28.54ppm	50uL	1		1-50 PPM TOC.2012_03_01_18_57_00.cal	05/07/2012 08:19:35 PM

Mean Area 124.4
Mean Conc. 28.37ppm



Sample

Sample Name: 280-28131-k-5
Sample ID:
Origin: TOC .met
Status Completed
Chk. Result

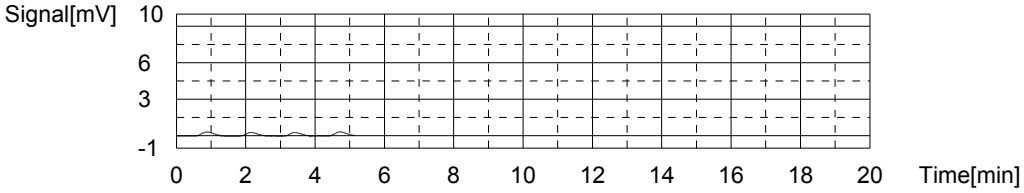
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:0.1879ppm

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	0.5962	0.1839ppm	50uL	1		1-50 PPM TOC.2012_03_01_18_57_00.cal	05/07/2012 08:29:21 PM
2	0.5720	0.1784ppm	50uL	1		1-50 PPM TOC.2012_03_01_18_57_00.cal	05/07/2012 08:30:50 PM
3	0.6030	0.1855ppm	50uL	1		1-50 PPM TOC.2012_03_01_18_57_00.cal	05/07/2012 08:32:20 PM
4	0.6833	0.2038ppm	50uL	1		1-50 PPM TOC.2012_03_01_18_57_00.cal	05/07/2012 08:33:50 PM

Mean Area 0.6136
Mean Conc. 0.1879ppm



Sample

Sample Name: 280-28131-I-6
Sample ID:
Origin: TOC .met
Status Completed
Chk. Result

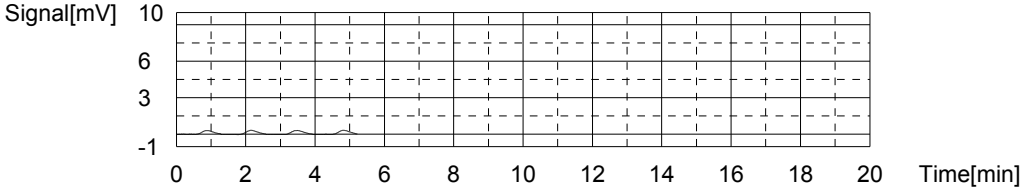
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:0.1979ppm

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	0.5967	0.1840ppm	50uL	1		1-50 PPM TOC.2012_03_01_18_57_00.cal	05/07/2012 08:43:37 PM
2	0.7057	0.2089ppm	50uL	1		1-50 PPM TOC.2012_03_01_18_57_00.cal	05/07/2012 08:45:07 PM
3	0.6863	0.2044ppm	50uL	1		1-50 PPM TOC.2012_03_01_18_57_00.cal	05/07/2012 08:46:40 PM
4	0.6419	0.1943ppm	50uL	1		1-50 PPM TOC.2012_03_01_18_57_00.cal	05/07/2012 08:48:09 PM

Mean Area 0.6577
Mean Conc. 0.1979ppm



Sample

Sample Name: 280-28076-k-1
Sample ID:
Origin: TOC .met
Status Completed
Chk. Result

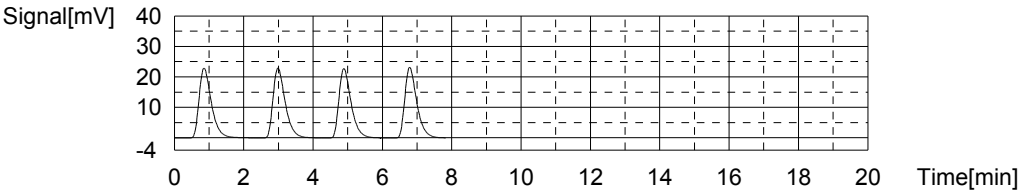
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:12.89ppm

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	56.68	12.96ppm	50uL	1		1-50 PPM TOC.2012_03_01_18_57_00.cal	05/07/2012 08:58:46 PM
2	56.68	12.96ppm	50uL	1		1-50 PPM TOC.2012_03_01_18_57_00.cal	05/07/2012 09:00:52 PM
3	55.96	12.79ppm	50uL	1		1-50 PPM TOC.2012_03_01_18_57_00.cal	05/07/2012 09:02:58 PM
4	56.25	12.86ppm	50uL	1		1-50 PPM TOC.2012_03_01_18_57_00.cal	05/07/2012 09:05:03 PM

Mean Area 56.39
Mean Conc. 12.89ppm



Sample

Sample Name: 280-28131-I-1
Sample ID:
Origin: TOC .met
Status Completed
Chk. Result

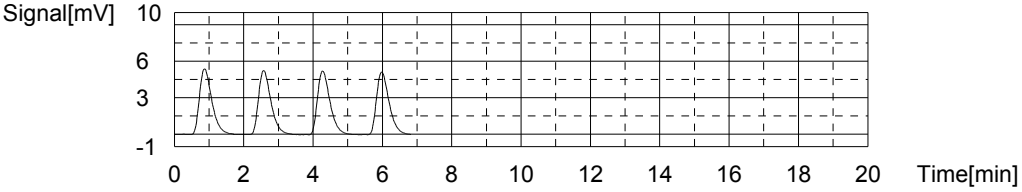
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:3.043ppm

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	13.36	3.091ppm	50uL	1		1-50 PPM TOC.2012_03_01_18_57_00.cal	05/07/2012 09:15:15 PM
2	13.08	3.027ppm	50uL	1		1-50 PPM TOC.2012_03_01_18_57_00.cal	05/07/2012 09:17:09 PM
3	13.14	3.041ppm	50uL	1		1-50 PPM TOC.2012_03_01_18_57_00.cal	05/07/2012 09:19:03 PM
4	13.02	3.013ppm	50uL	1		1-50 PPM TOC.2012_03_01_18_57_00.cal	05/07/2012 09:20:58 PM

Mean Area 13.15
Mean Conc. 3.043ppm



Sample

Sample Name: CCV
Sample ID:
Origin: TOC .met
Status Completed
Chk. Result

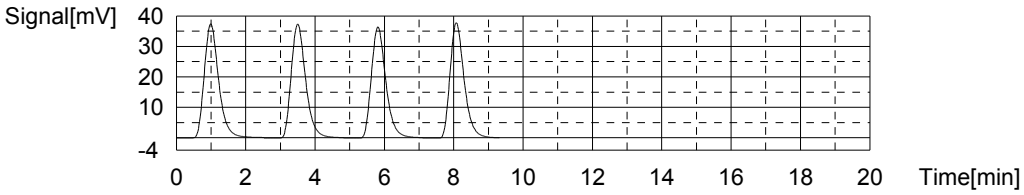
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:24.62ppm

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	108.6	24.78ppm	50uL	1		1-50 PPM TOC.2012_03_01_18_57_00.cal	05/07/2012 09:32:00 PM
2	108.8	24.83ppm	50uL	1		1-50 PPM TOC.2012_03_01_18_57_00.cal	05/07/2012 09:34:30 PM
3	106.6	24.33ppm	50uL	1		1-50 PPM TOC.2012_03_01_18_57_00.cal	05/07/2012 09:36:59 PM
4	107.6	24.55ppm	50uL	1		1-50 PPM TOC.2012_03_01_18_57_00.cal	05/07/2012 09:39:24 PM

Mean Area 107.9
Mean Conc. 24.62ppm



Sample

Sample Name: CCB
Sample ID:
Origin: TOC .met
Status Completed
Chk. Result

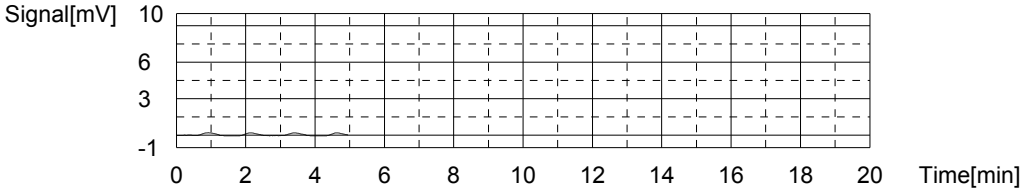
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:0.1320ppm

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	0.3504	0.1279ppm	50uL	1		1-50 PPM TOC.2012_03_01_18_57_00.cal	05/07/2012 09:49:08 PM
2	0.4375	0.1478ppm	50uL	1		1-50 PPM TOC.2012_03_01_18_57_00.cal	05/07/2012 09:50:36 PM
3	0.3618	0.1305ppm	50uL	1		1-50 PPM TOC.2012_03_01_18_57_00.cal	05/07/2012 09:52:02 PM
4	0.3241	0.1219ppm	50uL	1		1-50 PPM TOC.2012_03_01_18_57_00.cal	05/07/2012 09:53:27 PM

Mean Area 0.3685
Mean Conc. 0.1320ppm



Sample

Sample Name: 280-28131-n-3
Sample ID:
Origin: TOC .met
Status Completed
Chk. Result

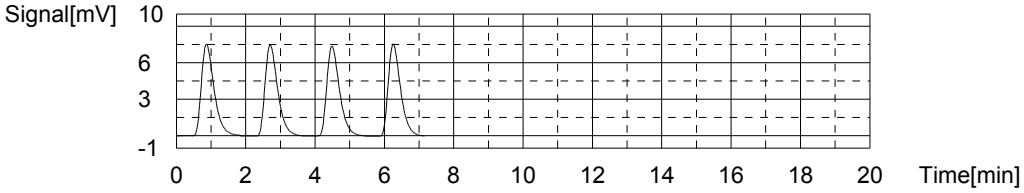
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:4.384ppm

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	19.25	4.432ppm	50uL	1		1-50 PPM TOC.2012_03_01_18_57_00.cal	05/07/2012 10:03:47 PM
2	19.06	4.389ppm	50uL	1		1-50 PPM TOC.2012_03_01_18_57_00.cal	05/07/2012 10:05:46 PM
3	18.86	4.344ppm	50uL	1		1-50 PPM TOC.2012_03_01_18_57_00.cal	05/07/2012 10:07:44 PM
4	18.98	4.371ppm	50uL	1		1-50 PPM TOC.2012_03_01_18_57_00.cal	05/07/2012 10:09:42 PM

Mean Area 19.04
Mean Conc. 4.384ppm



Sample

Sample Name: 280-28131-ai-4
Sample ID:
Origin: TOC .met
Status Completed
Chk. Result

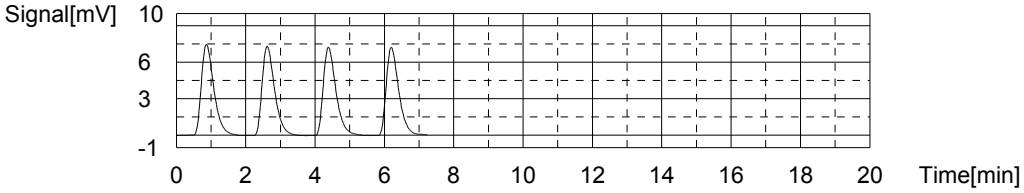
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:4.260ppm

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	18.75	4.319ppm	50uL	1		1-50 PPM TOC.2012_03_01_18_57_00.cal	05/07/2012 10:19:56 PM
2	18.41	4.241ppm	50uL	1		1-50 PPM TOC.2012_03_01_18_57_00.cal	05/07/2012 10:21:54 PM
3	18.46	4.252ppm	50uL	1		1-50 PPM TOC.2012_03_01_18_57_00.cal	05/07/2012 10:23:55 PM
4	18.35	4.227ppm	50uL	1		1-50 PPM TOC.2012_03_01_18_57_00.cal	05/07/2012 10:26:01 PM

Mean Area 18.49
Mean Conc. 4.260ppm



Sample

Sample Name: MS 280-28131-ai-4
Sample ID:
Origin: TOC .met
Status Completed
Chk. Result

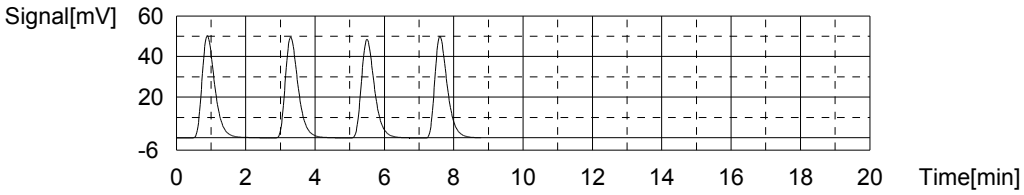
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:29.39ppm

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	130.6	29.79ppm	50uL	1		1-50 PPM TOC.2012_03_01_18_57_00.cal	05/07/2012 10:36:55 PM
2	129.1	29.45ppm	50uL	1		1-50 PPM TOC.2012_03_01_18_57_00.cal	05/07/2012 10:39:17 PM
3	128.8	29.38ppm	50uL	1		1-50 PPM TOC.2012_03_01_18_57_00.cal	05/07/2012 10:41:37 PM
4	126.9	28.95ppm	50uL	1		1-50 PPM TOC.2012_03_01_18_57_00.cal	05/07/2012 10:43:53 PM

Mean Area 128.8
Mean Conc. 29.39ppm



Sample

Sample Name: MSD 280-28131-ai-4
Sample ID:
Origin: TOC .met
Status Completed
Chk. Result

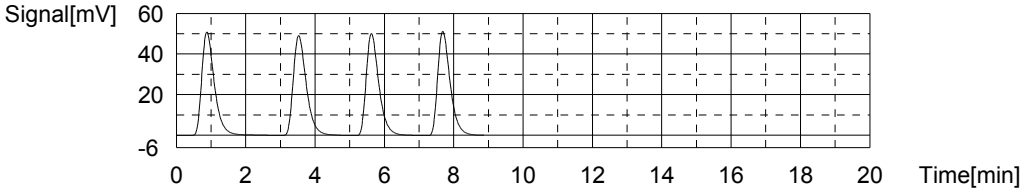
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:29.48ppm

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	129.8	29.61ppm	50uL	1		1-50 PPM TOC.2012_03_01_18_57_00.cal	05/07/2012 10:55:01 PM
2	129.2	29.47ppm	50uL	1		1-50 PPM TOC.2012_03_01_18_57_00.cal	05/07/2012 10:57:20 PM
3	128.5	29.31ppm	50uL	1		1-50 PPM TOC.2012_03_01_18_57_00.cal	05/07/2012 10:59:36 PM
4	129.4	29.52ppm	50uL	1		1-50 PPM TOC.2012_03_01_18_57_00.cal	05/07/2012 11:01:52 PM

Mean Area 129.2
Mean Conc. 29.48ppm



Sample

Sample Name: 280-28131-I-5
Sample ID:
Origin: TOC .met
Status Completed
Chk. Result

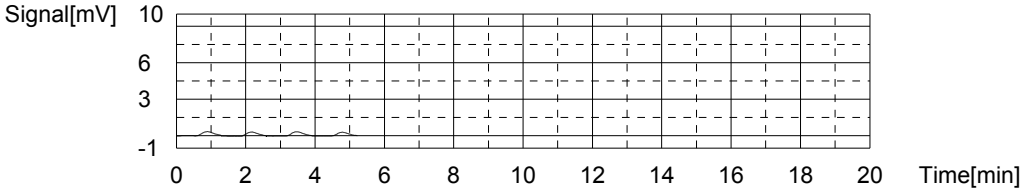
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:0.2053ppm

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	0.6683	0.2003ppm	50uL	1		1-50 PPM TOC.2012_03_01_18_57_00.cal	05/07/2012 11:11:39 PM
2	0.7365	0.2159ppm	50uL	1		1-50 PPM TOC.2012_03_01_18_57_00.cal	05/07/2012 11:13:09 PM
3	0.7501	0.2190ppm	50uL	1		1-50 PPM TOC.2012_03_01_18_57_00.cal	05/07/2012 11:14:40 PM
4	0.6058	0.1861ppm	50uL	1		1-50 PPM TOC.2012_03_01_18_57_00.cal	05/07/2012 11:16:11 PM

Mean Area 0.6902
Mean Conc. 0.2053ppm



Sample

Sample Name: 280-28131-n-6
Sample ID:
Origin: TOC .met
Status Completed
Chk. Result

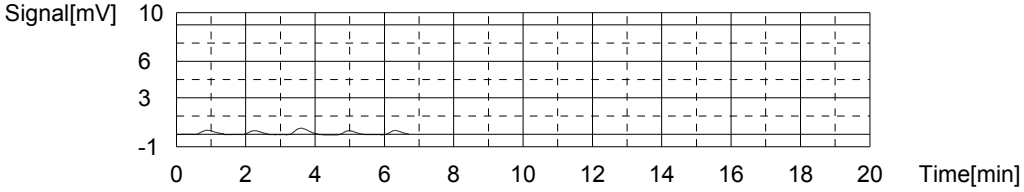
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:0.1968ppm

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	0.7043	0.2085ppm	50uL	1		1-50 PPM TOC.2012_03_01_18_57_00.cal	05/07/2012 11:26:03 PM
2	0.5881	0.1821ppm	50uL	1		1-50 PPM TOC.2012_03_01_18_57_00.cal	05/07/2012 11:27:32 PM
3	1.272	0.3378ppm	50uL	1	E	1-50 PPM TOC.2012_03_01_18_57_00.cal	05/07/2012 11:29:12 PM
4	0.6797	0.2029ppm	50uL	1		1-50 PPM TOC.2012_03_01_18_57_00.cal	05/07/2012 11:30:44 PM
5	0.6391	0.1937ppm	50uL	1		1-50 PPM TOC.2012_03_01_18_57_00.cal	05/07/2012 11:32:12 PM

Mean Area 0.6528
Mean Conc. 0.1968ppm



Sample

Sample Name: CCV
Sample ID:
Origin: TOC .met
Status Completed
Chk. Result

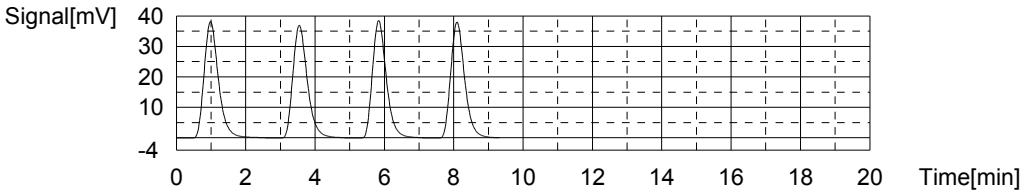
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:24.74ppm

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	110.2	25.15ppm	50uL	1		1-50 PPM TOC.2012_03_01_18_57_00.cal	05/07/2012 11:43:14 PM
2	107.7	24.58ppm	50uL	1		1-50 PPM TOC.2012_03_01_18_57_00.cal	05/07/2012 11:45:43 PM
3	108.0	24.65ppm	50uL	1		1-50 PPM TOC.2012_03_01_18_57_00.cal	05/07/2012 11:48:10 PM
4	107.8	24.60ppm	50uL	1		1-50 PPM TOC.2012_03_01_18_57_00.cal	05/07/2012 11:50:35 PM

Mean Area 108.4
Mean Conc. 24.74ppm



Sample

Sample Name: CCB
Sample ID:
Origin: TOC .met
Status Completed
Chk. Result

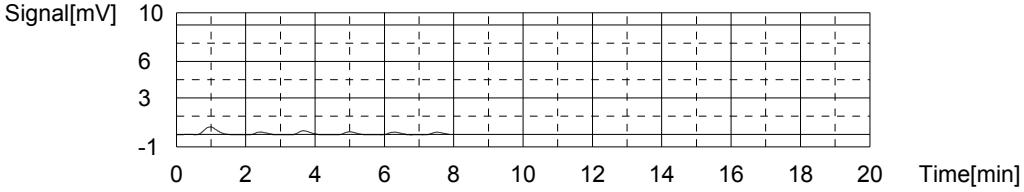
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:0.1338ppm

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	1.572	0.4062ppm	50uL	1	E	1-50 PPM TOC.2012_03_01_18_57_00.cal	05/08/2012 12:00:37 AM
2	0.3368	0.1248ppm	50uL	1		1-50 PPM TOC.2012_03_01_18_57_00.cal	05/08/2012 12:02:03 AM
3	0.6951	0.2064ppm	50uL	1	E	1-50 PPM TOC.2012_03_01_18_57_00.cal	05/08/2012 12:03:35 AM
4	0.4776	0.1569ppm	50uL	1		1-50 PPM TOC.2012_03_01_18_57_00.cal	05/08/2012 12:05:04 AM
5	0.3492	0.1277ppm	50uL	1		1-50 PPM TOC.2012_03_01_18_57_00.cal	05/08/2012 12:06:30 AM
6	0.3407	0.1257ppm	50uL	1		1-50 PPM TOC.2012_03_01_18_57_00.cal	05/08/2012 12:07:57 AM

Mean Area 0.3761
Mean Conc. 0.1338ppm



TOC-V Cal Curve Information
1-50 PPM TOC.2012_03_01_18_57_00.cal

Date of Creation	11:15:53 AM 10/28/2005
User	DEANN
System	TOC-VCSH

Cal. Curve

Sample Name:	cal
Sample ID:	CAL
Cal. Curve:	1-50 PPM TOC.2012_03_01_18_57_00.cal
Status	Completed
Comment:	

Type	Anal.
Standard	NPOC

Conc: 0.000mg/L

No.	Area	Inj. Vol.	Aut. Dil.	Rem.	Ex.	Date / Time
1	0.000	50uL	1	*******		03/01/2012 07:05:26 F
2	0.000	50uL	1	*******		03/01/2012 07:07:32 F

Acid Add.	1.500%
Sp. Time	90.00sec
Mean Area	0.000
SD Area	0.000
CV Area	0.00%
Vial	88

Conc: 1.000mg/L

No.	Area	Inj. Vol.	Aut. Dil.	Rem.	Ex.	Date / Time
1	4.606	50uL	1	*******		03/01/2012 07:17:49 F
2	4.539	50uL	1	*******		03/01/2012 07:19:41 F

Acid Add.	1.500%
Sp. Time	90.00sec
Mean Area	4.572
SD Area	0.04738
CV Area	1.04%
Vial	89

Conc: 5.000mg/L

No.	Area	Inj. Vol.	Aut. Dil.	Rem.	Ex.	Date / Time
1	21.79	50uL	1	*******		03/01/2012 07:30:21 F
2	21.50	50uL	1	*******		03/01/2012 07:32:27 F

Acid Add.	1.500%
Sp. Time	90.00sec
Mean Area	21.65
SD Area	0.2051
CV Area	0.95%
Vial	90

Conc: 10.00mg/L

No.	Area	Inj. Vol.	Aut. Dil.	Rem.	Ex.	Date / Time
1	43.48	50uL	1	*******		03/01/2012 07:43:24 P
2	42.96	50uL	1	*******		03/01/2012 07:45:39 P

Acid Add.	1.500%
Sp. Time	90.00sec
Mean Area	43.22
SD Area	0.3677
CV Area	0.85%
Vial	91

Conc: 25.00mg/L

No.	Area	Inj. Vol.	Aut. Dil.	Rem.	Ex.	Date / Time
1	109.9	50uL	1	*******		03/01/2012 07:56:58 P
2	108.7	50uL	1	*******		03/01/2012 07:59:37 P

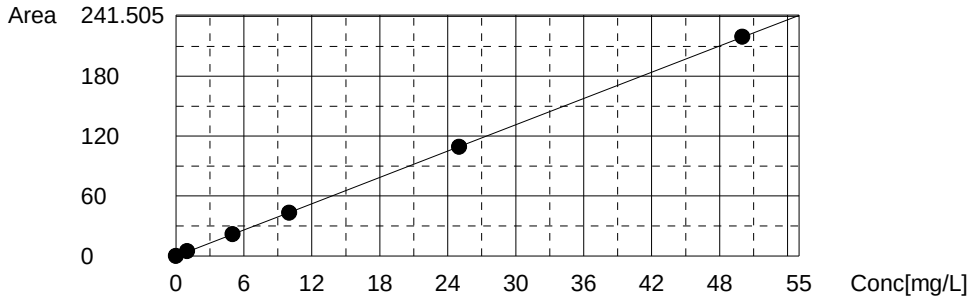
Acid Add.	1.500%
Sp. Time	90.00sec
Mean Area	109.3
SD Area	0.8485
CV Area	0.78%
Vial	92

Conc: 50.00mg/L

No.	Area	Inj. Vol.	Aut. Dil.	Rem.	Ex.	Date / Time
1	219.6	50uL	1	*******		03/01/2012 08:11:17 P
2	219.5	50uL	1	*******		03/01/2012 08:14:04 P

Acid Add.	1.500%
Sp. Time	90.00sec
Mean Area	219.6
SD Area	0.07071
CV Area	0.03%
Vial	93

Slope:	4.391
Intercept	-0.2113
r^2	1.0000
r	1.0000
Zero Shift	No



Wet Chemistry Data Review Checklist
For Tests with Calibration Curves

Test Name/ Method #: TIC / ~~DO~~ DIC **SOP #** D-W-C-009f

Instrument: SHI2 **Analyst:** D. Elkin **Analysis Date:** 5/11/12

Lot / Sample Numbers	Matrix	Prep Batch	Batch	Method	Special Inst
28076-28131	AQ	—	119489	9060	TIC
L	L	L	119515	L	DIC

A. Calibration/Instrument Run QC	Yes	No	N/A	2nd Level
1. Minimum of five standards in ICAL or as specified in method?	✓			✓
2. Correlation coefficient ≥ 0.995 ?	✓			✓
3. Second-source ICV analyzed, and recovery within acceptance limits?	✓			✓
4. ICB analyzed immediately after the ICV & results < the RL	✓			✓
5. CCV analyzed after every ten samples & recovery within acceptance limits?	✓			✓
6. CCB analyzed after every CCV & results < RL?	✓			✓
7. Absolute value of the intercept is < ± ½ the RL?	✓			✓
B. Sample Results				
1. All samples greater than highest calibration standard diluted and reanalyzed?	✓			✓
2. Do associated RLs/MDLs reflect dilutions or limited sample volume?	✓			✓
3. All reported results bracketed by in control CCV results?	✓			✓
4. Sample analyses done within holding time?	✓			✓
5. Initial pH check documented for all samples? (If Applicable)			✓	✓
6. Preparation benchsheet completed and included in package?			✓	✓
7. Client requirements reviewed and met?	✓			✓
8. Were data manually transcribed from instrument printouts into TALS verified 100% including significant figures and correct units? (If Applicable)	✓			✓
9. Do the prep and analysis dates in TALS reflect the actual dates?	✓			✓
11. Raw data copies prepared, scanned, and uploaded?	✓			✓
12. Manual integrations done properly and initialed and dated?			✓	✓
13. STD/True Value information is updated and included?	✓			✓
C. Preparation/Matrix QC				
1. Method blank < RL or all reported samples > 10x blank have NCM?	✓			✓
2. Method blank < ½ RL or NCM provided?	✓			✓
3. LCS/LCSD run for batch and within QC limits?	✓			✓
4. MS/MSD run at required frequency and within limits or NCM written?	✓			✓
5. DUP run at required frequency and RPD within acceptance limits or NCM written?			✓	✓

Analyst: [signature] **Date:** 5/11/12

2nd Level Reviewer : [signature] **Date:** 5/14/12

	Analysis	Sample Name	Dilution	Result	Date / Time	Vial
1	IC	ICV	1.000	IC:20.01mg/L	05/11/2012 08:35:35 AM	1
2	IC	ICB	1.000	IC:-0.00986mg/L	05/11/2012 08:53:09 AM	2
3	IC	LCS	1.000	IC:25.37mg/L	05/11/2012 09:07:05 AM	3
4	IC	LCSD	1.000	IC:25.41mg/L	05/11/2012 09:21:17 AM	4
5	IC	MB	1.000	IC:0.02640mg/L	05/11/2012 09:31:31 AM	5
6	IC	280-28076-m-1	1.000	IC:4.606mg/L	05/11/2012 09:43:23 AM	6
7	IC	280-28131-i-1	1.000	IC:21.28mg/L	05/11/2012 09:57:15 AM	7
8	IC	280-28131-i-3	1.000	IC:19.19mg/L	05/11/2012 10:10:48 AM	8
9	IC	280-28131-w-4	1.000	IC:20.01mg/L	05/11/2012 10:24:33 AM	9
10	IC	MS 280-28131-w-4	1.000	IC:45.84mg/L	05/11/2012 10:38:57 AM	10
11	IC	MSD 280-28131-w-4	1.000	IC:45.80mg/L	05/11/2012 10:53:23 AM	11
12	IC	280-28131-j-5	1.000	IC:0.4934mg/L	05/11/2012 11:03:42 AM	12
13	IC	280-28131-j-6	1.000	IC:0.4681mg/L	05/11/2012 11:13:59 AM	13
14	IC	CCV	1.000	IC:26.56mg/L	05/11/2012 11:28:03 AM	14
15	IC	CCB	1.000	IC:0.2325mg/L	05/11/2012 11:37:50 AM	15
16	IC	280-28076-l-1	1.000	IC:7.594mg/L	05/11/2012 11:50:16 AM	16
17	IC	280-28131-j-1	1.000	IC:22.24mg/L	05/11/2012 12:04:15 PM	17
18	IC	280-28131-j-3	1.000	IC:21.09mg/L	05/11/2012 12:21:03 PM	18
19	IC	280-28131-x-4	1.000	IC:22.21mg/L	05/11/2012 12:35:10 PM	19
20	IC	MS 280-28131-x-4	1.000	IC:46.00mg/L	05/11/2012 12:52:20 PM	20
21	IC	MSD 280-28131-x-4	1.000	IC:48.06mg/L	05/11/2012 01:07:31 PM	21
22	IC	280-28131-i-5	1.000	IC:0.6212mg/L	05/11/2012 01:17:46 PM	22
23	IC	280-28131-i-6	1.000	IC:0.5508mg/L	05/11/2012 01:28:00 PM	23
24	IC	CCV	1.000	IC:27.16mg/L	05/11/2012 01:42:07 PM	24
25	IC	CCB	1.000	IC:0.4189mg/L	05/11/2012 01:53:57 PM	25

Instr.Information

System	TOC-VCSH(2)
Detector	Combustion
Catalyst	Regular Sensitivity
Cell Length	long

Sample

Sample Name:	ICV
Sample ID:	
Origin:	TIC.met
Status	Completed
Chk. Result	

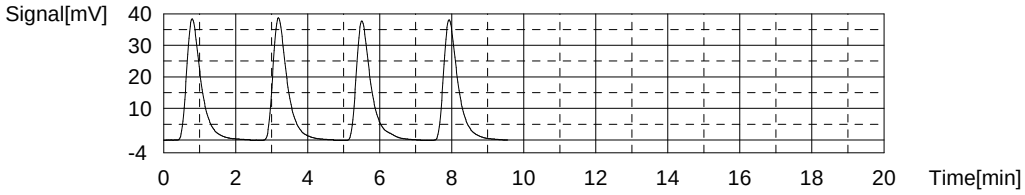
Type	Anal.	Dil.	Result
Unknown	IC	1.000	IC:20.01mg/L

1. Det

Anal.: IC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	107.2	20.04mg/L	50uL	1		1-40PPM IC CAL.2012_05_10_13_25_01.cal	05/11/2012 08:27:51 AM
2	107.5	20.09mg/L	50uL	1		1-40PPM IC CAL.2012_05_10_13_25_01.cal	05/11/2012 08:30:22 AM
3	107.3	20.06mg/L	50uL	1		1-40PPM IC CAL.2012_05_10_13_25_01.cal	05/11/2012 08:32:59 AM
4	106.2	19.85mg/L	50uL	1		1-40PPM IC CAL.2012_05_10_13_25_01.cal	05/11/2012 08:35:35 AM

Mean Area 107.1
Mean Conc. 20.01mg/L



Sample

Sample Name:	ICB
Sample ID:	
Origin:	TIC.met
Status	Completed
Chk. Result	

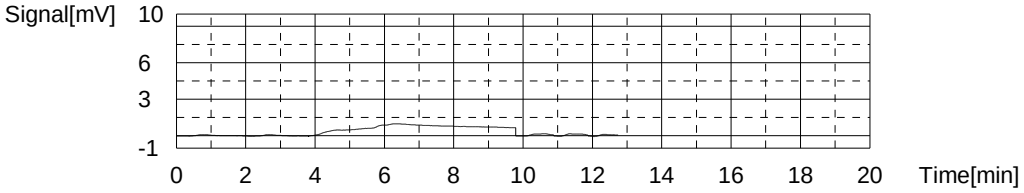
Type	Anal.	Dil.	Result
Unknown	IC	1.000	IC:-0.00986mg/L

1. Det

Anal.: IC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	0.000	-0.03886mg/L	50uL	1		1-40PPM IC CAL.2012_05_10_13_25_01.cal	05/11/2012 08:41:06 AM
2	0.000	-0.03886mg/L	50uL	1		1-40PPM IC CAL.2012_05_10_13_25_01.cal	05/11/2012 08:43:11 AM
3	11.33	2.083mg/L	50uL	1	E	1-40PPM IC CAL.2012_05_10_13_25_01.cal	05/11/2012 08:49:22 AM
4	0.3784	0.03201mg/L	50uL	1		1-40PPM IC CAL.2012_05_10_13_25_01.cal	05/11/2012 08:50:43 AM
5	0.4411	0.04375mg/L	50uL	1	E	1-40PPM IC CAL.2012_05_10_13_25_01.cal	05/11/2012 08:51:57 AM
6	0.2409	0.00626mg/L	50uL	1		1-40PPM IC CAL.2012_05_10_13_25_01.cal	05/11/2012 08:53:09 AM

Mean Area 0.1548
Mean Conc. -0.00986mg/L



Sample

Sample Name: LCS
Sample ID:
Origin: TIC.met
Status Completed
Chk. Result

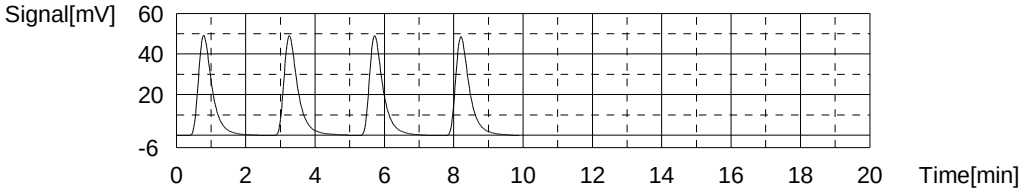
Type	Anal.	Dil.	Result
Unknown	IC	1.000	IC:25.37mg/L

1. Det

Anal.: IC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	135.7	25.37mg/L	50uL	1		1-40PPM IC CAL.2012_05_10_13_25_01.cal	05/11/2012 08:59:07 AM
2	136.0	25.43mg/L	50uL	1		1-40PPM IC CAL.2012_05_10_13_25_01.cal	05/11/2012 09:01:46 AM
3	135.7	25.37mg/L	50uL	1		1-40PPM IC CAL.2012_05_10_13_25_01.cal	05/11/2012 09:04:26 AM
4	135.4	25.32mg/L	50uL	1		1-40PPM IC CAL.2012_05_10_13_25_01.cal	05/11/2012 09:07:05 AM

Mean Area 135.7
Mean Conc. 25.37mg/L



Sample

Sample Name: LCSD
Sample ID:
Origin: TIC.met
Status Completed
Chk. Result

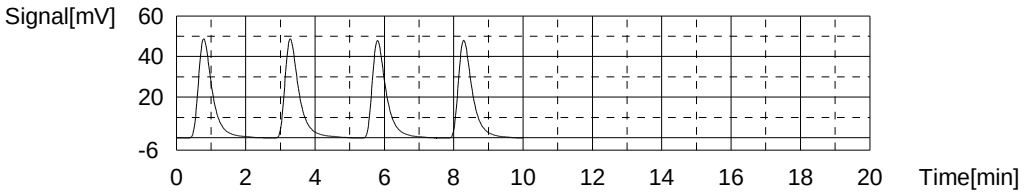
Type	Anal.	Dil.	Result
Unknown	IC	1.000	IC:25.41mg/L

1. Det

Anal.: IC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	136.2	25.47mg/L	50uL	1		1-40PPM IC CAL.2012_05_10_13_25_01.cal	05/11/2012 09:13:12 AM
2	136.8	25.58mg/L	50uL	1		1-40PPM IC CAL.2012_05_10_13_25_01.cal	05/11/2012 09:15:55 AM
3	134.8	25.21mg/L	50uL	1		1-40PPM IC CAL.2012_05_10_13_25_01.cal	05/11/2012 09:18:36 AM
4	135.8	25.39mg/L	50uL	1		1-40PPM IC CAL.2012_05_10_13_25_01.cal	05/11/2012 09:21:17 AM

Mean Area 135.9
Mean Conc. 25.41mg/L



Sample

Sample Name: MB
Sample ID:
Origin: TIC.met
Status Completed
Chk. Result

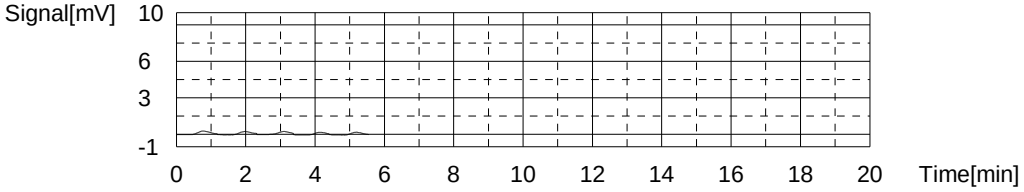
Type	Anal.	Dil.	Result
Unknown	IC	1.000	IC:0.02640mg/L

1. Det

Anal.: IC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	0.5334	0.06104mg/L	50uL	1	E	1-40PPM IC CAL.2012_05_10_13_25_01.cal	05/11/2012 09:26:08 AM
2	0.3942	0.03497mg/L	50uL	1		1-40PPM IC CAL.2012_05_10_13_25_01.cal	05/11/2012 09:27:31 AM
3	0.3101	0.01922mg/L	50uL	1		1-40PPM IC CAL.2012_05_10_13_25_01.cal	05/11/2012 09:28:50 AM
4	0.3025	0.01779mg/L	50uL	1		1-40PPM IC CAL.2012_05_10_13_25_01.cal	05/11/2012 09:30:07 AM
5	0.3870	0.03362mg/L	50uL	1		1-40PPM IC CAL.2012_05_10_13_25_01.cal	05/11/2012 09:31:31 AM

Mean Area 0.3485
Mean Conc. 0.02640mg/L



Sample

Sample Name: 280-28076-m-1
Sample ID:
Origin: TIC.met
Status Completed
Chk. Result

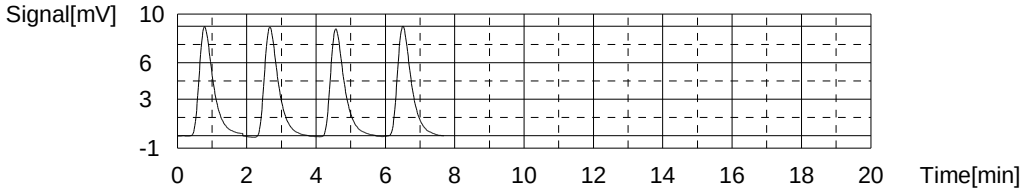
Type	Anal.	Dil.	Result
Unknown	IC	1.000	IC:4.606mg/L

1. Det

Anal.: IC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	24.53	4.555mg/L	50uL	1		1-40PPM IC CAL.2012_05_10_13_25_01.cal	05/11/2012 09:36:59 AM
2	25.09	4.660mg/L	50uL	1		1-40PPM IC CAL.2012_05_10_13_25_01.cal	05/11/2012 09:39:05 AM
3	24.53	4.555mg/L	50uL	1		1-40PPM IC CAL.2012_05_10_13_25_01.cal	05/11/2012 09:41:13 AM
4	25.06	4.654mg/L	50uL	1		1-40PPM IC CAL.2012_05_10_13_25_01.cal	05/11/2012 09:43:23 AM

Mean Area 24.80
Mean Conc. 4.606mg/L



Sample

Sample Name: 280-28131-i-1
Sample ID:
Origin: TIC.met
Status Completed
Chk. Result

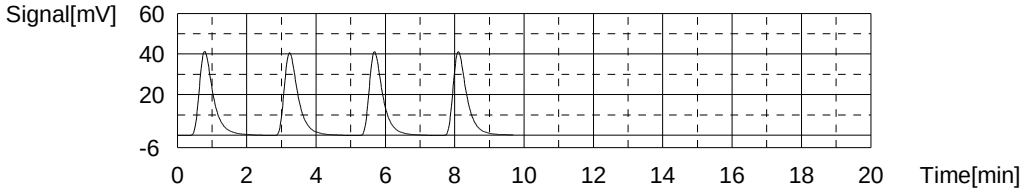
Type	Anal.	Dil.	Result
Unknown	IC	1.000	IC:21.28mg/L

1. Det

Anal.: IC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	115.8	21.65mg/L	50uL	1		1-40PPM IC CAL.2012_05_10_13_25_01.cal	05/11/2012 09:49:27 AM
2	113.9	21.29mg/L	50uL	1		1-40PPM IC CAL.2012_05_10_13_25_01.cal	05/11/2012 09:52:06 AM
3	112.7	21.07mg/L	50uL	1		1-40PPM IC CAL.2012_05_10_13_25_01.cal	05/11/2012 09:54:42 AM
4	112.9	21.10mg/L	50uL	1		1-40PPM IC CAL.2012_05_10_13_25_01.cal	05/11/2012 09:57:15 AM

Mean Area 113.8
Mean Conc. 21.28mg/L



Sample

Sample Name: 280-28131-i-3
Sample ID:
Origin: TIC.met
Status Completed
Chk. Result

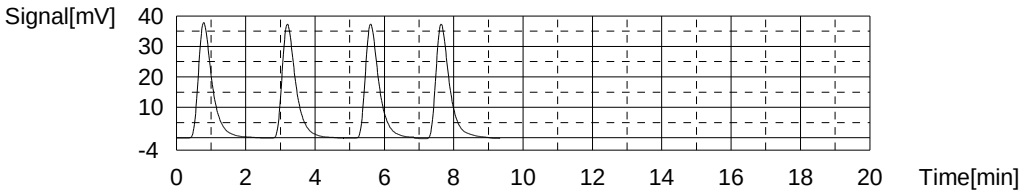
Type	Anal.	Dil.	Result
Unknown	IC	1.000	IC:19.19mg/L

1. Det

Anal.: IC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	104.0	19.44mg/L	50uL	1		1-40PPM IC CAL.2012_05_10_13_25_01.cal	05/11/2012 10:03:17 AM
2	102.5	19.16mg/L	50uL	1		1-40PPM IC CAL.2012_05_10_13_25_01.cal	05/11/2012 10:05:53 AM
3	100.4	18.76mg/L	50uL	1		1-40PPM IC CAL.2012_05_10_13_25_01.cal	05/11/2012 10:08:07 AM
4	103.7	19.38mg/L	50uL	1		1-40PPM IC CAL.2012_05_10_13_25_01.cal	05/11/2012 10:10:48 AM

Mean Area 102.6
Mean Conc. 19.19mg/L



Sample

Sample Name: 280-28131-w-4
Sample ID:
Origin: TIC.met
Status Completed
Chk. Result

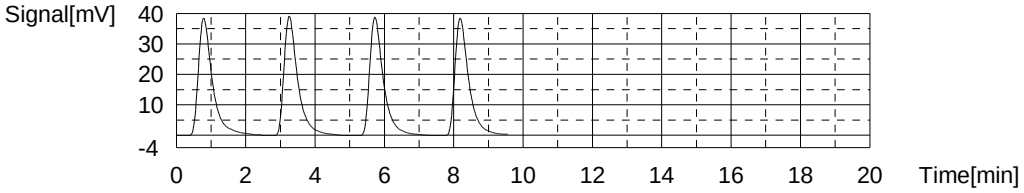
Type	Anal.	Dil.	Result
Unknown	IC	1.000	IC:20.01mg/L

1. Det

Anal.: IC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	108.0	20.19mg/L	50uL	1		1-40PPM IC CAL.2012_05_10_13_25_01.cal	05/11/2012 10:16:53 AM
2	108.2	20.22mg/L	50uL	1		1-40PPM IC CAL.2012_05_10_13_25_01.cal	05/11/2012 10:19:33 AM
3	106.9	19.98mg/L	50uL	1		1-40PPM IC CAL.2012_05_10_13_25_01.cal	05/11/2012 10:22:12 AM
4	105.1	19.64mg/L	50uL	1		1-40PPM IC CAL.2012_05_10_13_25_01.cal	05/11/2012 10:24:33 AM

Mean Area 107.1
Mean Conc. 20.01mg/L



Sample

Sample Name: MS 280-28131-w-4
Sample ID:
Origin: TIC.met
Status Completed
Chk. Result

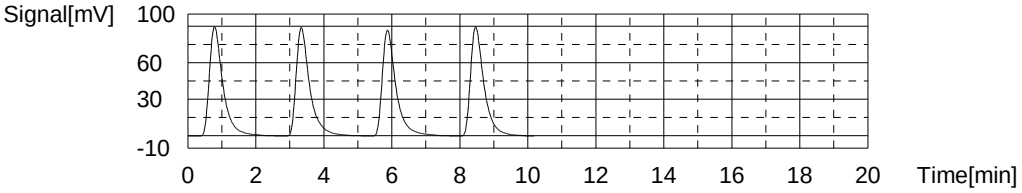
Type	Anal.	Dil.	Result
Unknown	IC	1.000	IC:45.84mg/L

1. Det

Anal.: IC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	247.2	46.26mg/L	50uL	1		1-40PPM IC CAL.2012_05_10_13_25_01.cal	05/11/2012 10:30:43 AM
2	245.4	45.92mg/L	50uL	1		1-40PPM IC CAL.2012_05_10_13_25_01.cal	05/11/2012 10:33:27 AM
3	241.9	45.26mg/L	50uL	1		1-40PPM IC CAL.2012_05_10_13_25_01.cal	05/11/2012 10:36:15 AM
4	245.5	45.94mg/L	50uL	1		1-40PPM IC CAL.2012_05_10_13_25_01.cal	05/11/2012 10:38:57 AM

Mean Area 245.0
Mean Conc. 45.84mg/L



Sample

Sample Name: MSD 280-28131-w-4
Sample ID:
Origin: TIC.met
Status Completed
Chk. Result

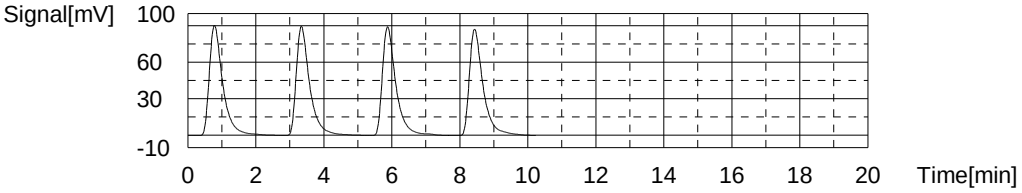
Type	Anal.	Dil.	Result
Unknown	IC	1.000	IC:45.80mg/L

1. Det

Anal.: IC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	246.9	46.20mg/L	50uL	1		1-40PPM IC CAL.2012_05_10_13_25_01.cal	05/11/2012 10:45:07 AM
2	243.6	45.58mg/L	50uL	1		1-40PPM IC CAL.2012_05_10_13_25_01.cal	05/11/2012 10:47:50 AM
3	245.4	45.92mg/L	50uL	1		1-40PPM IC CAL.2012_05_10_13_25_01.cal	05/11/2012 10:50:36 AM
4	243.2	45.51mg/L	50uL	1		1-40PPM IC CAL.2012_05_10_13_25_01.cal	05/11/2012 10:53:23 AM

Mean Area 244.8
Mean Conc. 45.80mg/L



Sample

Sample Name: 280-28131-j-5
Sample ID:
Origin: TIC.met
Status Completed
Chk. Result

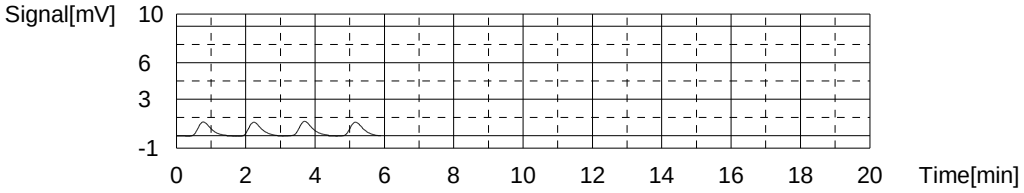
Type	Anal.	Dil.	Result
Unknown	IC	1.000	IC:0.4934mg/L

1. Det

Anal.: IC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	2.796	0.4848mg/L	50uL	1		1-40PPM IC CAL.2012_05_10_13_25_01.cal	05/11/2012 10:58:30 AM
2	2.832	0.4915mg/L	50uL	1		1-40PPM IC CAL.2012_05_10_13_25_01.cal	05/11/2012 11:00:13 AM
3	2.875	0.4996mg/L	50uL	1		1-40PPM IC CAL.2012_05_10_13_25_01.cal	05/11/2012 11:01:56 AM
4	2.865	0.4977mg/L	50uL	1		1-40PPM IC CAL.2012_05_10_13_25_01.cal	05/11/2012 11:03:42 AM

Mean Area 2.842
Mean Conc. 0.4934mg/L



Sample

Sample Name: 280-28131-j-6
Sample ID:
Origin: TIC.met
Status Completed
Chk. Result

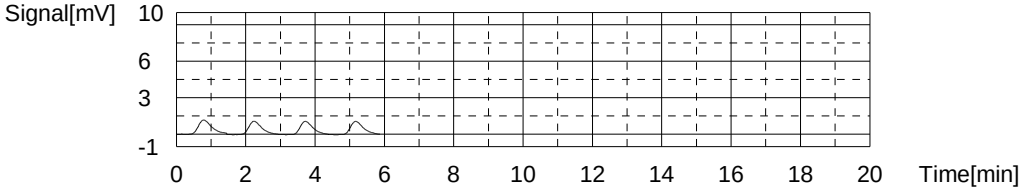
Type	Anal.	Dil.	Result
Unknown	IC	1.000	IC:0.4681mg/L

1. Det

Anal.: IC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	2.826	0.4904mg/L	50uL	1		1-40PPM IC CAL.2012_05_10_13_25_01.cal	05/11/2012 11:08:49 AM
2	2.666	0.4604mg/L	50uL	1		1-40PPM IC CAL.2012_05_10_13_25_01.cal	05/11/2012 11:10:33 AM
3	2.650	0.4574mg/L	50uL	1		1-40PPM IC CAL.2012_05_10_13_25_01.cal	05/11/2012 11:12:15 AM
4	2.687	0.4644mg/L	50uL	1		1-40PPM IC CAL.2012_05_10_13_25_01.cal	05/11/2012 11:13:59 AM

Mean Area 2.707
Mean Conc. 0.4681mg/L



Sample

Sample Name: CCV
Sample ID:
Origin: TIC.met
Status Completed
Chk. Result

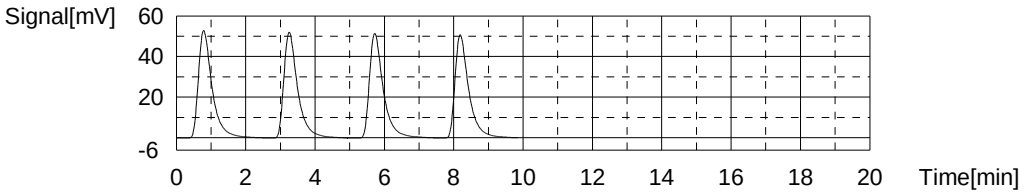
Type	Anal.	Dil.	Result
Unknown	IC	1.000	IC:26.56mg/L

1. Det

Anal.: IC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	144.4	27.00mg/L	50uL	1		1-40PPM IC CAL.2012_05_10_13_25_01.cal	05/11/2012 11:20:04 AM
2	143.0	26.74mg/L	50uL	1		1-40PPM IC CAL.2012_05_10_13_25_01.cal	05/11/2012 11:22:44 AM
3	141.7	26.50mg/L	50uL	1		1-40PPM IC CAL.2012_05_10_13_25_01.cal	05/11/2012 11:25:24 AM
4	139.0	25.99mg/L	50uL	1		1-40PPM IC CAL.2012_05_10_13_25_01.cal	05/11/2012 11:28:03 AM

Mean Area 142.0
Mean Conc. 26.56mg/L



Sample

Sample Name: CCB
Sample ID:
Origin: TIC.met
Status Completed
Chk. Result

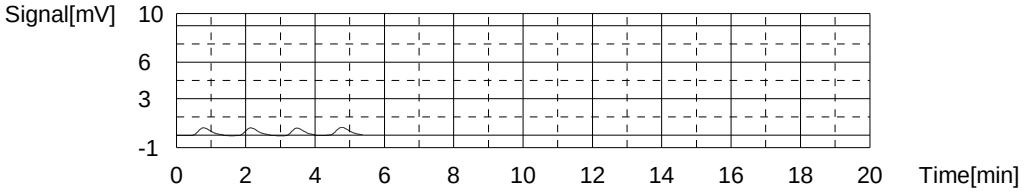
Type	Anal.	Dil.	Result
Unknown	IC	1.000	IC:0.2325mg/L

1. Det

Anal.: IC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	1.438	0.2304mg/L	50uL	1		1-40PPM IC CAL.2012_05_10_13_25_01.cal	05/11/2012 11:33:04 AM
2	1.470	0.2364mg/L	50uL	1		1-40PPM IC CAL.2012_05_10_13_25_01.cal	05/11/2012 11:34:40 AM
3	1.349	0.2138mg/L	50uL	1		1-40PPM IC CAL.2012_05_10_13_25_01.cal	05/11/2012 11:36:12 AM
4	1.539	0.2494mg/L	50uL	1		1-40PPM IC CAL.2012_05_10_13_25_01.cal	05/11/2012 11:37:50 AM

Mean Area 1.449
Mean Conc. 0.2325mg/L



Sample

Sample Name: 280-28076-I-1
Sample ID:
Origin: TIC.met
Status Completed
Chk. Result

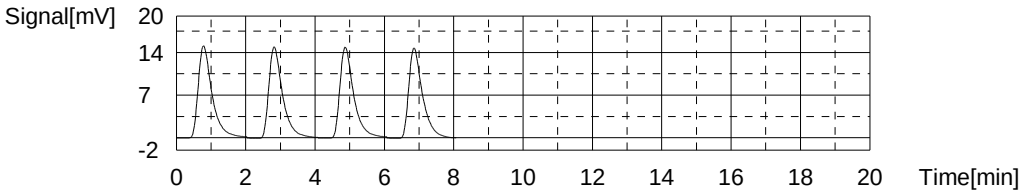
Type	Anal.	Dil.	Result
Unknown	IC	1.000	IC:7.594mg/L

1. Det

Anal.: IC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	41.11	7.660mg/L	50uL	1		1-40PPM IC CAL.2012_05_10_13_25_01.cal	05/11/2012 11:43:29 AM
2	41.04	7.647mg/L	50uL	1		1-40PPM IC CAL.2012_05_10_13_25_01.cal	05/11/2012 11:45:44 AM
3	40.32	7.512mg/L	50uL	1		1-40PPM IC CAL.2012_05_10_13_25_01.cal	05/11/2012 11:48:04 AM
4	40.55	7.555mg/L	50uL	1		1-40PPM IC CAL.2012_05_10_13_25_01.cal	05/11/2012 11:50:16 AM

Mean Area 40.76
Mean Conc. 7.594mg/L



Sample

Sample Name: 280-28131-j-1
Sample ID:
Origin: TIC.met
Status Completed
Chk. Result

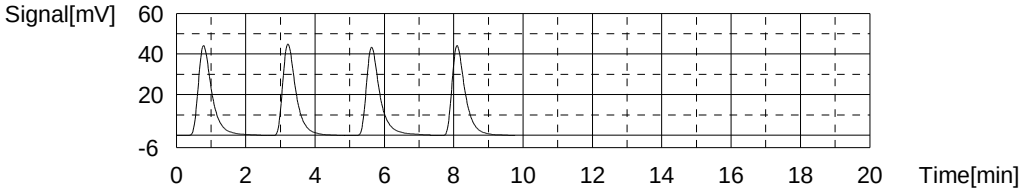
Type	Anal.	Dil.	Result
Unknown	IC	1.000	IC:22.24mg/L

1. Det

Anal.: IC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	120.2	22.47mg/L	50uL	1		1-40PPM IC CAL.2012_05_10_13_25_01.cal	05/11/2012 11:56:19 AM
2	119.4	22.32mg/L	50uL	1		1-40PPM IC CAL.2012_05_10_13_25_01.cal	05/11/2012 11:58:56 AM
3	118.3	22.12mg/L	50uL	1		1-40PPM IC CAL.2012_05_10_13_25_01.cal	05/11/2012 12:01:36 PM
4	118.0	22.06mg/L	50uL	1		1-40PPM IC CAL.2012_05_10_13_25_01.cal	05/11/2012 12:04:15 PM

Mean Area 119.0
Mean Conc. 22.24mg/L



Sample

Sample Name: 280-28131-j-3
Sample ID:
Origin: TIC.met
Status Completed
Chk. Result

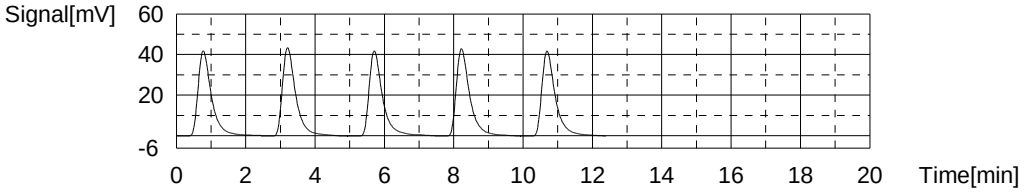
Type	Anal.	Dil.	Result
Unknown	IC	1.000	IC:21.09mg/L

1. Det

Anal.: IC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	111.2	20.79mg/L	50uL	1		1-40PPM IC CAL.2012_05_10_13_25_01.cal	05/11/2012 12:10:18 PM
2	116.1	21.70mg/L	50uL	1	E	1-40PPM IC CAL.2012_05_10_13_25_01.cal	05/11/2012 12:13:00 PM
3	112.4	21.01mg/L	50uL	1		1-40PPM IC CAL.2012_05_10_13_25_01.cal	05/11/2012 12:15:43 PM
4	115.1	21.52mg/L	50uL	1		1-40PPM IC CAL.2012_05_10_13_25_01.cal	05/11/2012 12:18:23 PM
5	112.6	21.05mg/L	50uL	1		1-40PPM IC CAL.2012_05_10_13_25_01.cal	05/11/2012 12:21:03 PM

Mean Area 112.8
Mean Conc. 21.09mg/L



Sample

Sample Name: 280-28131-x-4
Sample ID:
Origin: TIC.met
Status Completed
Chk. Result

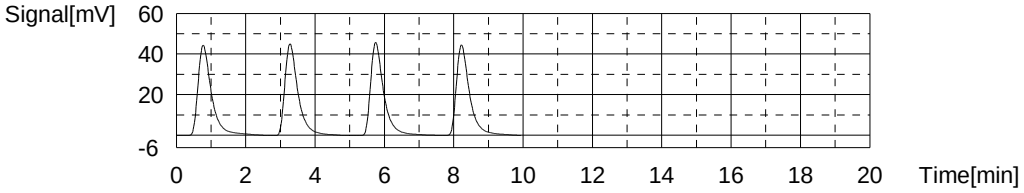
Type	Anal.	Dil.	Result
Unknown	IC	1.000	IC:22.21mg/L

1. Det

Anal.: IC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	119.0	22.25mg/L	50uL	1		1-40PPM IC CAL.2012_05_10_13_25_01.cal	05/11/2012 12:27:08 PM
2	119.3	22.30mg/L	50uL	1		1-40PPM IC CAL.2012_05_10_13_25_01.cal	05/11/2012 12:29:49 PM
3	119.6	22.36mg/L	50uL	1		1-40PPM IC CAL.2012_05_10_13_25_01.cal	05/11/2012 12:32:29 PM
4	117.4	21.95mg/L	50uL	1		1-40PPM IC CAL.2012_05_10_13_25_01.cal	05/11/2012 12:35:10 PM

Mean Area 118.8
Mean Conc. 22.21mg/L



Sample

Sample Name: MS 280-28131-x-4
Sample ID:
Origin: TIC.met
Status Completed
Chk. Result

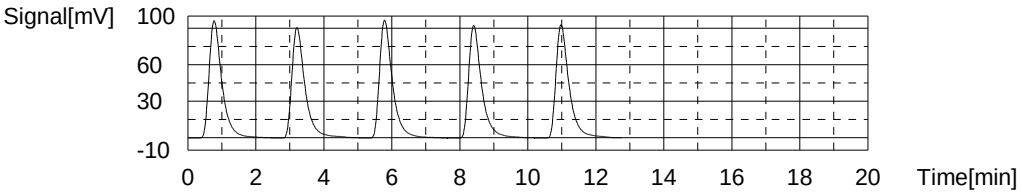
Type	Anal.	Dil.	Result
Unknown	IC	1.000	IC:46.00mg/L

1. Det

Anal.: IC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	249.9	46.76mg/L	50uL	1		1-40PPM IC CAL.2012_05_10_13_25_01.cal	05/11/2012 12:41:13 PM
2	241.9	45.26mg/L	50uL	1		1-40PPM IC CAL.2012_05_10_13_25_01.cal	05/11/2012 12:44:00 PM
3	253.9	47.51mg/L	50uL	1	E	1-40PPM IC CAL.2012_05_10_13_25_01.cal	05/11/2012 12:46:49 PM
4	243.7	45.60mg/L	50uL	1		1-40PPM IC CAL.2012_05_10_13_25_01.cal	05/11/2012 12:49:35 PM
5	247.8	46.37mg/L	50uL	1		1-40PPM IC CAL.2012_05_10_13_25_01.cal	05/11/2012 12:52:20 PM

Mean Area 245.8
Mean Conc. 46.00mg/L



Sample

Sample Name: MSD 280-28131-x-4
Sample ID:
Origin: TIC.met
Status Completed
Chk. Result

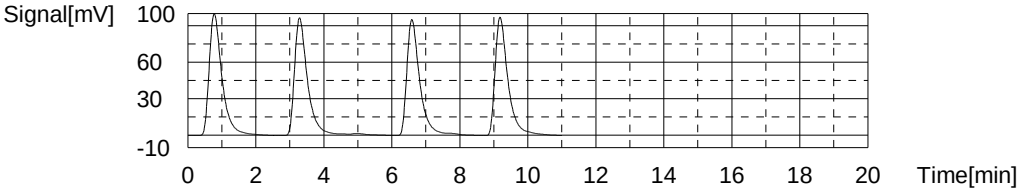
Type	Anal.	Dil.	Result
Unknown	IC	1.000	IC:48.06mg/L

1. Det

Anal.: IC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	261.6	48.95mg/L	50uL	1		1-40PPM IC CAL.2012_05_10_13_25_01.cal	05/11/2012 12:58:26 PM
2	260.0	48.65mg/L	50uL	1		1-40PPM IC CAL.2012_05_10_13_25_01.cal	05/11/2012 01:01:56 PM
3	251.1	46.99mg/L	50uL	1		1-40PPM IC CAL.2012_05_10_13_25_01.cal	05/11/2012 01:04:44 PM
4	254.6	47.64mg/L	50uL	1		1-40PPM IC CAL.2012_05_10_13_25_01.cal	05/11/2012 01:07:31 PM

Mean Area 256.8
Mean Conc. 48.06mg/L



Sample

Sample Name: 280-28131-i-5
Sample ID:
Origin: TIC.met
Status Completed
Chk. Result

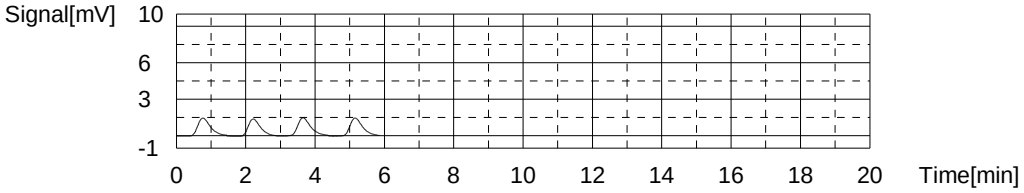
Type	Anal.	Dil.	Result
Unknown	IC	1.000	IC:0.6212mg/L

1. Det

Anal.: IC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	3.551	0.6262mg/L	50uL	1		1-40PPM IC CAL.2012_05_10_13_25_01.cal	05/11/2012 01:12:38 PM
2	3.377	0.5936mg/L	50uL	1		1-40PPM IC CAL.2012_05_10_13_25_01.cal	05/11/2012 01:14:19 PM
3	3.591	0.6337mg/L	50uL	1		1-40PPM IC CAL.2012_05_10_13_25_01.cal	05/11/2012 01:16:03 PM
4	3.580	0.6316mg/L	50uL	1		1-40PPM IC CAL.2012_05_10_13_25_01.cal	05/11/2012 01:17:46 PM

Mean Area 3.525
Mean Conc. 0.6212mg/L



Sample

Sample Name: 280-28131-i-6
Sample ID:
Origin: TIC.met
Status Completed
Chk. Result

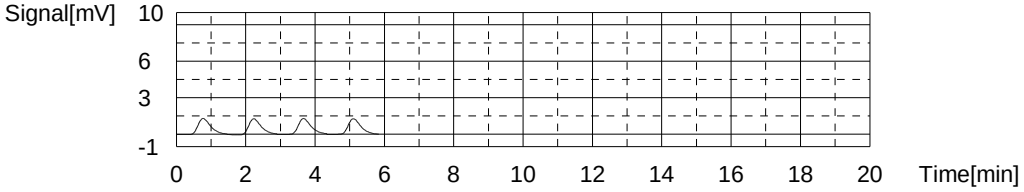
Type	Anal.	Dil.	Result
Unknown	IC	1.000	IC:0.5508mg/L

1. Det

Anal.: IC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	3.208	0.5619mg/L	50uL	1		1-40PPM IC CAL.2012_05_10_13_25_01.cal	05/11/2012 01:22:54 PM
2	3.104	0.5425mg/L	50uL	1		1-40PPM IC CAL.2012_05_10_13_25_01.cal	05/11/2012 01:24:35 PM
3	3.149	0.5509mg/L	50uL	1		1-40PPM IC CAL.2012_05_10_13_25_01.cal	05/11/2012 01:26:16 PM
4	3.133	0.5479mg/L	50uL	1		1-40PPM IC CAL.2012_05_10_13_25_01.cal	05/11/2012 01:28:00 PM

Mean Area 3.149
Mean Conc. 0.5508mg/L



Sample

Sample Name: CCV
Sample ID:
Origin: TIC.met
Status Completed
Chk. Result

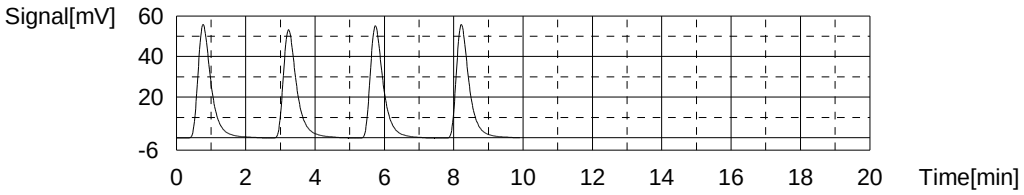
Type	Anal.	Dil.	Result
Unknown	IC	1.000	IC:27.16mg/L

1. Det

Anal.: IC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	146.8	27.45mg/L	50uL	1		1-40PPM IC CAL.2012_05_10_13_25_01.cal	05/11/2012 01:34:05 PM
2	144.1	26.95mg/L	50uL	1		1-40PPM IC CAL.2012_05_10_13_25_01.cal	05/11/2012 01:36:47 PM
3	146.0	27.30mg/L	50uL	1		1-40PPM IC CAL.2012_05_10_13_25_01.cal	05/11/2012 01:39:28 PM
4	144.1	26.95mg/L	50uL	1		1-40PPM IC CAL.2012_05_10_13_25_01.cal	05/11/2012 01:42:07 PM

Mean Area 145.3
Mean Conc. 27.16mg/L



Sample

Sample Name: CCB
Sample ID:
Origin: TIC.met
Status Completed
Chk. Result

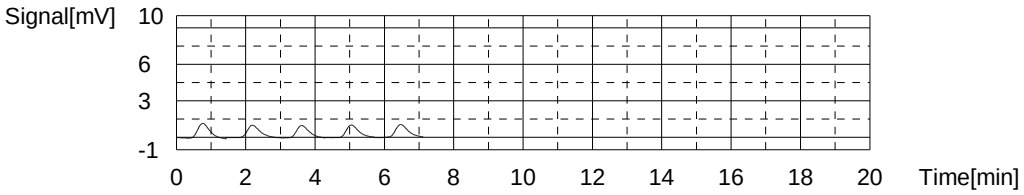
Type	Anal.	Dil.	Result
Unknown	IC	1.000	IC:0.4189mg/L

1. Det

Anal.: IC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	2.909	0.5059mg/L	50uL	1	E	1-40PPM IC CAL.2012_05_10_13_25_01.cal	05/11/2012 01:47:13 PM
2	2.435	0.4172mg/L	50uL	1		1-40PPM IC CAL.2012_05_10_13_25_01.cal	05/11/2012 01:48:56 PM
3	2.442	0.4185mg/L	50uL	1		1-40PPM IC CAL.2012_05_10_13_25_01.cal	05/11/2012 01:50:37 PM
4	2.405	0.4115mg/L	50uL	1		1-40PPM IC CAL.2012_05_10_13_25_01.cal	05/11/2012 01:52:17 PM
5	2.495	0.4284mg/L	50uL	1		1-40PPM IC CAL.2012_05_10_13_25_01.cal	05/11/2012 01:53:57 PM

Mean Area 2.444
Mean Conc. 0.4189mg/L



TOC-V Method Information
TIC.met

[General Information]
System TOC-VCSH(2)
User ELKIN
Date of Creation 05/30/2006 11:30:21 AM
Analysis IC
Sample Name
Sample ID
Auto Dil. 1.000000
No of Determ. 1
USP/EP Sample Check No
Origin TIC.met

[IC]
Unit mg/L
No. of Inj, 4/6
No of Washes 2
SD Max 0.100000
CV Max 2.000000%
Acid Add 0.000000%
Sparge Time 0sec
Auto Dil. 1
Inj Vol 50uL
Multiple Inj Yes
At. Correct. InjVol/DiFkt. Yes
Use blank Area No
UV Oxid Vol 0.000000mL
Min. integration time 0sec
Max. integration time 420sec
Cal. Curve1 1-40PPM IC CAL.cal
Cal. Curve2 None
Cal. Curve3 None

Wet Chemistry Data Review Checklist
For Tests with Calibration Curves

Test Name/ Method #: TIC / DOC DIC **SOP #** D-W-C-009

Instrument: SHI 2 **Analyst:** D. Elkin **Analysis Date:** 5/11/12

Lot / Sample Numbers	Matrix	Prep Batch	Batch	Method	Special Inst
28076-28131	AQ	—	119489	9060	TIC
L	L	L	119515	L	DIC

A. Calibration/Instrument Run QC	Yes	No	N/A	2nd Level
1. Minimum of five standards in ICAL or as specified in method?	✓			✓
2. Correlation coefficient ≥ 0.995 ?	✓			✓
3. Second-source ICV analyzed, and recovery within acceptance limits?	✓			✓
4. ICB analyzed immediately after the ICV & results < the RL	✓			✓
5. CCV analyzed after every ten samples & recovery within acceptance limits?	✓			✓
6. CCB analyzed after every CCV & results < RL?	✓			✓
7. Absolute value of the intercept is < ± ½ the RL?	✓			✓
B. Sample Results				
1. All samples greater than highest calibration standard diluted and reanalyzed?	✓			✓
2. Do associated RLs/MDLs reflect dilutions or limited sample volume?	✓			✓
3. All reported results bracketed by in control CCV results?	✓			✓
4. Sample analyses done within holding time?	✓			✓
5. Initial pH check documented for all samples? (If Applicable)			✓	✓
6. Preparation benchsheet completed and included in package?			✓	✓
7. Client requirements reviewed and met?	✓			✓
8. Were data manually transcribed from instrument printouts into TALS verified 100% including significant figures and correct units? (If Applicable)	✓			✓
9. Do the prep and analysis dates in TALS reflect the actual dates?	✓			✓
11. Raw data copies prepared, scanned, and uploaded?	✓			✓
12. Manual integrations done properly and initialed and dated?			✓	✓
13. STD/True Value information is updated and included?	✓			✓
C. Preparation/Matrix QC				
1. Method blank < RL or all reported samples > 10x blank have NCM?	✓			✓
2. Method blank < ½ RL or NCM provided?	✓			✓
3. LCS/LCSD run for batch and within QC limits?	✓			✓
4. MS/MSD run at required frequency and within limits or NCM written?	✓			✓
5. DUP run at required frequency and RPD within acceptance limits or NCM written?			✓	✓

Analyst: [signature] **Date:** 5/11/12

2nd Level Reviewer : [signature] **Date:** 5/14/12

	Analysis	Sample Name	Dilution	Result	Date / Time	Vial
1	IC	ICV	1.000	IC:20.01mg/L	05/11/2012 08:35:35 AM	1
2	IC	ICB	1.000	IC:-0.00986mg/L	05/11/2012 08:53:09 AM	2
3	IC	LCS	1.000	IC:25.37mg/L	05/11/2012 09:07:05 AM	3
4	IC	LCSD	1.000	IC:25.41mg/L	05/11/2012 09:21:17 AM	4
5	IC	MB	1.000	IC:0.02640mg/L	05/11/2012 09:31:31 AM	5
6	IC	280-28076-m-1	1.000	IC:4.606mg/L	05/11/2012 09:43:23 AM	6
7	IC	280-28131-i-1	1.000	IC:21.28mg/L	05/11/2012 09:57:15 AM	7
8	IC	280-28131-i-3	1.000	IC:19.19mg/L	05/11/2012 10:10:48 AM	8
9	IC	280-28131-w-4	1.000	IC:20.01mg/L	05/11/2012 10:24:33 AM	9
10	IC	MS 280-28131-w-4	1.000	IC:45.84mg/L	05/11/2012 10:38:57 AM	10
11	IC	MSD 280-28131-w-4	1.000	IC:45.80mg/L	05/11/2012 10:53:23 AM	11
12	IC	280-28131-j-5	1.000	IC:0.4934mg/L	05/11/2012 11:03:42 AM	12
13	IC	280-28131-j-6	1.000	IC:0.4681mg/L	05/11/2012 11:13:59 AM	13
14	IC	CCV	1.000	IC:26.56mg/L	05/11/2012 11:28:03 AM	14
15	IC	CCB	1.000	IC:0.2325mg/L	05/11/2012 11:37:50 AM	15
16	IC	280-28076-l-1	1.000	IC:7.594mg/L	05/11/2012 11:50:16 AM	16
17	IC	280-28131-j-1	1.000	IC:22.24mg/L	05/11/2012 12:04:15 PM	17
18	IC	280-28131-j-3	1.000	IC:21.09mg/L	05/11/2012 12:21:03 PM	18
19	IC	280-28131-x-4	1.000	IC:22.21mg/L	05/11/2012 12:35:10 PM	19
20	IC	MS 280-28131-x-4	1.000	IC:46.00mg/L	05/11/2012 12:52:20 PM	20
21	IC	MSD 280-28131-x-4	1.000	IC:48.06mg/L	05/11/2012 01:07:31 PM	21
22	IC	280-28131-i-5	1.000	IC:0.6212mg/L	05/11/2012 01:17:46 PM	22
23	IC	280-28131-i-6	1.000	IC:0.5508mg/L	05/11/2012 01:28:00 PM	23
24	IC	CCV	1.000	IC:27.16mg/L	05/11/2012 01:42:07 PM	24
25	IC	CCB	1.000	IC:0.4189mg/L	05/11/2012 01:53:57 PM	25

Instr.Information

System	TOC-VCSH(2)
Detector	Combustion
Catalyst	Regular Sensitivity
Cell Length	long

Sample

Sample Name:	ICV
Sample ID:	
Origin:	TIC.met
Status	Completed
Chk. Result	

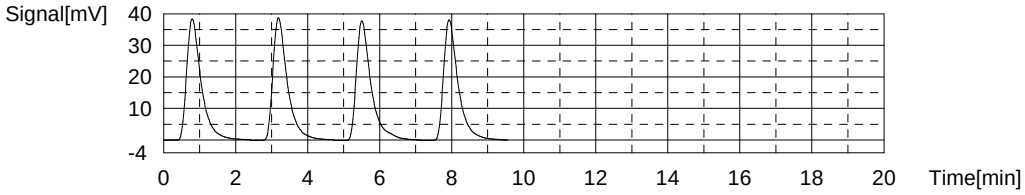
Type	Anal.	Dil.	Result
Unknown	IC	1.000	IC:20.01mg/L

1. Det

Anal.: IC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	107.2	20.04mg/L	50uL	1		1-40PPM IC CAL.2012_05_10_13_25_01.cal	05/11/2012 08:27:51 AM
2	107.5	20.09mg/L	50uL	1		1-40PPM IC CAL.2012_05_10_13_25_01.cal	05/11/2012 08:30:22 AM
3	107.3	20.06mg/L	50uL	1		1-40PPM IC CAL.2012_05_10_13_25_01.cal	05/11/2012 08:32:59 AM
4	106.2	19.85mg/L	50uL	1		1-40PPM IC CAL.2012_05_10_13_25_01.cal	05/11/2012 08:35:35 AM

Mean Area 107.1
Mean Conc. 20.01mg/L



Sample

Sample Name:	ICB
Sample ID:	
Origin:	TIC.met
Status	Completed
Chk. Result	

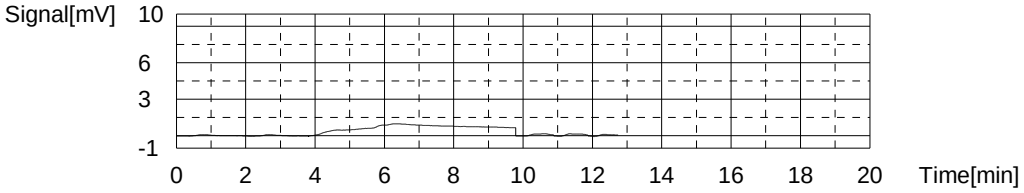
Type	Anal.	Dil.	Result
Unknown	IC	1.000	IC:-0.00986mg/L

1. Det

Anal.: IC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	0.000	-0.03886mg/L	50uL	1		1-40PPM IC CAL.2012_05_10_13_25_01.cal	05/11/2012 08:41:06 AM
2	0.000	-0.03886mg/L	50uL	1		1-40PPM IC CAL.2012_05_10_13_25_01.cal	05/11/2012 08:43:11 AM
3	11.33	2.083mg/L	50uL	1	E	1-40PPM IC CAL.2012_05_10_13_25_01.cal	05/11/2012 08:49:22 AM
4	0.3784	0.03201mg/L	50uL	1		1-40PPM IC CAL.2012_05_10_13_25_01.cal	05/11/2012 08:50:43 AM
5	0.4411	0.04375mg/L	50uL	1	E	1-40PPM IC CAL.2012_05_10_13_25_01.cal	05/11/2012 08:51:57 AM
6	0.2409	0.00626mg/L	50uL	1		1-40PPM IC CAL.2012_05_10_13_25_01.cal	05/11/2012 08:53:09 AM

Mean Area 0.1548
Mean Conc. -0.00986mg/L



Sample

Sample Name: LCS
Sample ID:
Origin: TIC.met
Status Completed
Chk. Result

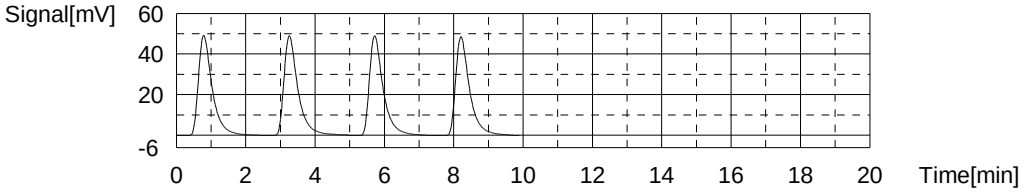
Type	Anal.	Dil.	Result
Unknown	IC	1.000	IC:25.37mg/L

1. Det

Anal.: IC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	135.7	25.37mg/L	50uL	1		1-40PPM IC CAL.2012_05_10_13_25_01.cal	05/11/2012 08:59:07 AM
2	136.0	25.43mg/L	50uL	1		1-40PPM IC CAL.2012_05_10_13_25_01.cal	05/11/2012 09:01:46 AM
3	135.7	25.37mg/L	50uL	1		1-40PPM IC CAL.2012_05_10_13_25_01.cal	05/11/2012 09:04:26 AM
4	135.4	25.32mg/L	50uL	1		1-40PPM IC CAL.2012_05_10_13_25_01.cal	05/11/2012 09:07:05 AM

Mean Area 135.7
Mean Conc. 25.37mg/L



Sample

Sample Name: LCSD
Sample ID:
Origin: TIC.met
Status Completed
Chk. Result

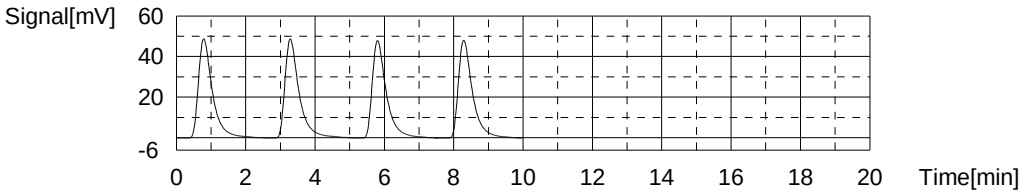
Type	Anal.	Dil.	Result
Unknown	IC	1.000	IC:25.41mg/L

1. Det

Anal.: IC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	136.2	25.47mg/L	50uL	1		1-40PPM IC CAL.2012_05_10_13_25_01.cal	05/11/2012 09:13:12 AM
2	136.8	25.58mg/L	50uL	1		1-40PPM IC CAL.2012_05_10_13_25_01.cal	05/11/2012 09:15:55 AM
3	134.8	25.21mg/L	50uL	1		1-40PPM IC CAL.2012_05_10_13_25_01.cal	05/11/2012 09:18:36 AM
4	135.8	25.39mg/L	50uL	1		1-40PPM IC CAL.2012_05_10_13_25_01.cal	05/11/2012 09:21:17 AM

Mean Area 135.9
Mean Conc. 25.41mg/L



Sample

Sample Name: MB
Sample ID:
Origin: TIC.met
Status Completed
Chk. Result

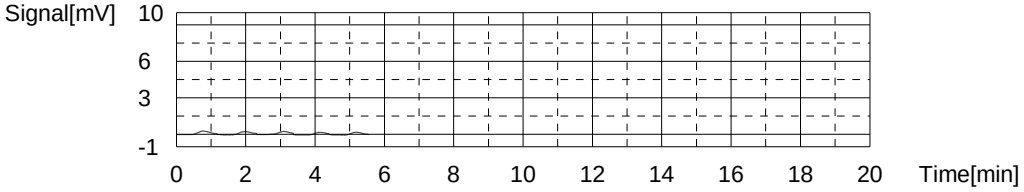
Type	Anal.	Dil.	Result
Unknown	IC	1.000	IC:0.02640mg/L

1. Det

Anal.: IC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	0.5334	0.06104mg/L	50uL	1	E	1-40PPM IC CAL.2012_05_10_13_25_01.cal	05/11/2012 09:26:08 AM
2	0.3942	0.03497mg/L	50uL	1		1-40PPM IC CAL.2012_05_10_13_25_01.cal	05/11/2012 09:27:31 AM
3	0.3101	0.01922mg/L	50uL	1		1-40PPM IC CAL.2012_05_10_13_25_01.cal	05/11/2012 09:28:50 AM
4	0.3025	0.01779mg/L	50uL	1		1-40PPM IC CAL.2012_05_10_13_25_01.cal	05/11/2012 09:30:07 AM
5	0.3870	0.03362mg/L	50uL	1		1-40PPM IC CAL.2012_05_10_13_25_01.cal	05/11/2012 09:31:31 AM

Mean Area 0.3485
Mean Conc. 0.02640mg/L



Sample

Sample Name: 280-28076-m-1
Sample ID:
Origin: TIC.met
Status Completed
Chk. Result

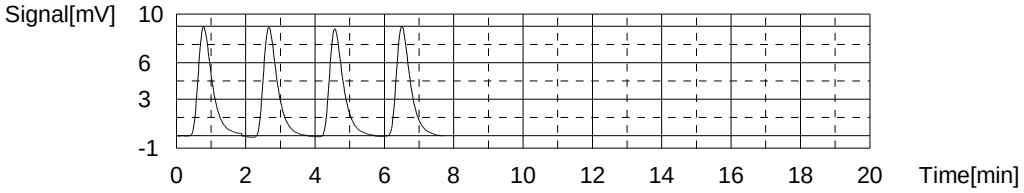
Type	Anal.	Dil.	Result
Unknown	IC	1.000	IC:4.606mg/L

1. Det

Anal.: IC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	24.53	4.555mg/L	50uL	1		1-40PPM IC CAL.2012_05_10_13_25_01.cal	05/11/2012 09:36:59 AM
2	25.09	4.660mg/L	50uL	1		1-40PPM IC CAL.2012_05_10_13_25_01.cal	05/11/2012 09:39:05 AM
3	24.53	4.555mg/L	50uL	1		1-40PPM IC CAL.2012_05_10_13_25_01.cal	05/11/2012 09:41:13 AM
4	25.06	4.654mg/L	50uL	1		1-40PPM IC CAL.2012_05_10_13_25_01.cal	05/11/2012 09:43:23 AM

Mean Area 24.80
Mean Conc. 4.606mg/L



Sample

Sample Name: 280-28131-i-1
Sample ID:
Origin: TIC.met
Status Completed
Chk. Result

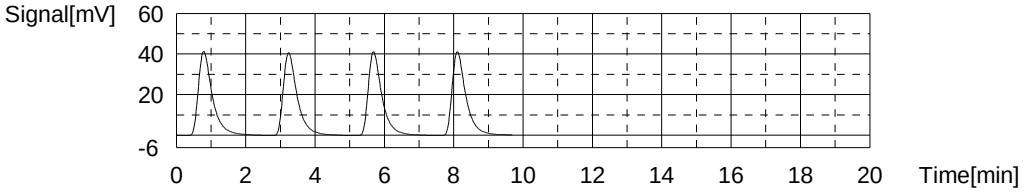
Type	Anal.	Dil.	Result
Unknown	IC	1.000	IC:21.28mg/L

1. Det

Anal.: IC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	115.8	21.65mg/L	50uL	1		1-40PPM IC CAL.2012_05_10_13_25_01.cal	05/11/2012 09:49:27 AM
2	113.9	21.29mg/L	50uL	1		1-40PPM IC CAL.2012_05_10_13_25_01.cal	05/11/2012 09:52:06 AM
3	112.7	21.07mg/L	50uL	1		1-40PPM IC CAL.2012_05_10_13_25_01.cal	05/11/2012 09:54:42 AM
4	112.9	21.10mg/L	50uL	1		1-40PPM IC CAL.2012_05_10_13_25_01.cal	05/11/2012 09:57:15 AM

Mean Area 113.8
Mean Conc. 21.28mg/L



Sample

Sample Name: 280-28131-i-3
Sample ID:
Origin: TIC.met
Status Completed
Chk. Result

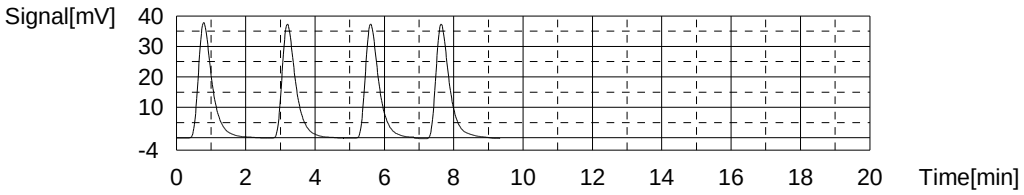
Type	Anal.	Dil.	Result
Unknown	IC	1.000	IC:19.19mg/L

1. Det

Anal.: IC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	104.0	19.44mg/L	50uL	1		1-40PPM IC CAL.2012_05_10_13_25_01.cal	05/11/2012 10:03:17 AM
2	102.5	19.16mg/L	50uL	1		1-40PPM IC CAL.2012_05_10_13_25_01.cal	05/11/2012 10:05:53 AM
3	100.4	18.76mg/L	50uL	1		1-40PPM IC CAL.2012_05_10_13_25_01.cal	05/11/2012 10:08:07 AM
4	103.7	19.38mg/L	50uL	1		1-40PPM IC CAL.2012_05_10_13_25_01.cal	05/11/2012 10:10:48 AM

Mean Area 102.6
Mean Conc. 19.19mg/L



Sample

Sample Name: 280-28131-w-4
Sample ID:
Origin: TIC.met
Status Completed
Chk. Result

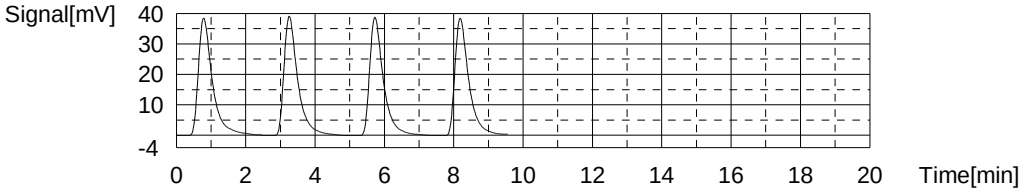
Type	Anal.	Dil.	Result
Unknown	IC	1.000	IC:20.01mg/L

1. Det

Anal.: IC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	108.0	20.19mg/L	50uL	1		1-40PPM IC CAL.2012_05_10_13_25_01.cal	05/11/2012 10:16:53 AM
2	108.2	20.22mg/L	50uL	1		1-40PPM IC CAL.2012_05_10_13_25_01.cal	05/11/2012 10:19:33 AM
3	106.9	19.98mg/L	50uL	1		1-40PPM IC CAL.2012_05_10_13_25_01.cal	05/11/2012 10:22:12 AM
4	105.1	19.64mg/L	50uL	1		1-40PPM IC CAL.2012_05_10_13_25_01.cal	05/11/2012 10:24:33 AM

Mean Area 107.1
Mean Conc. 20.01mg/L



Sample

Sample Name: MS 280-28131-w-4
Sample ID:
Origin: TIC.met
Status Completed
Chk. Result

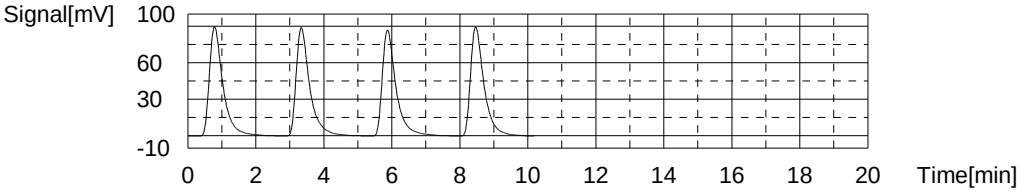
Type	Anal.	Dil.	Result
Unknown	IC	1.000	IC:45.84mg/L

1. Det

Anal.: IC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	247.2	46.26mg/L	50uL	1		1-40PPM IC CAL.2012_05_10_13_25_01.cal	05/11/2012 10:30:43 AM
2	245.4	45.92mg/L	50uL	1		1-40PPM IC CAL.2012_05_10_13_25_01.cal	05/11/2012 10:33:27 AM
3	241.9	45.26mg/L	50uL	1		1-40PPM IC CAL.2012_05_10_13_25_01.cal	05/11/2012 10:36:15 AM
4	245.5	45.94mg/L	50uL	1		1-40PPM IC CAL.2012_05_10_13_25_01.cal	05/11/2012 10:38:57 AM

Mean Area 245.0
Mean Conc. 45.84mg/L



Sample

Sample Name: MSD 280-28131-w-4
Sample ID:
Origin: TIC.met
Status Completed
Chk. Result

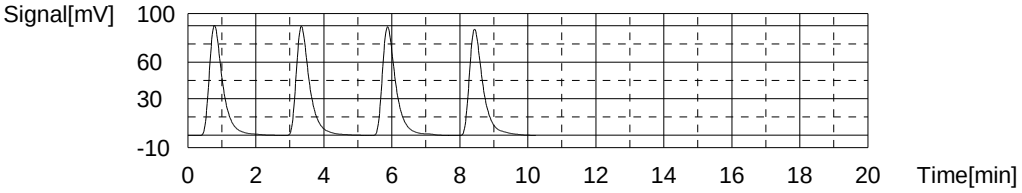
Type	Anal.	Dil.	Result
Unknown	IC	1.000	IC:45.80mg/L

1. Det

Anal.: IC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	246.9	46.20mg/L	50uL	1		1-40PPM IC CAL.2012_05_10_13_25_01.cal	05/11/2012 10:45:07 AM
2	243.6	45.58mg/L	50uL	1		1-40PPM IC CAL.2012_05_10_13_25_01.cal	05/11/2012 10:47:50 AM
3	245.4	45.92mg/L	50uL	1		1-40PPM IC CAL.2012_05_10_13_25_01.cal	05/11/2012 10:50:36 AM
4	243.2	45.51mg/L	50uL	1		1-40PPM IC CAL.2012_05_10_13_25_01.cal	05/11/2012 10:53:23 AM

Mean Area 244.8
Mean Conc. 45.80mg/L



Sample

Sample Name: 280-28131-j-5
Sample ID:
Origin: TIC.met
Status Completed
Chk. Result

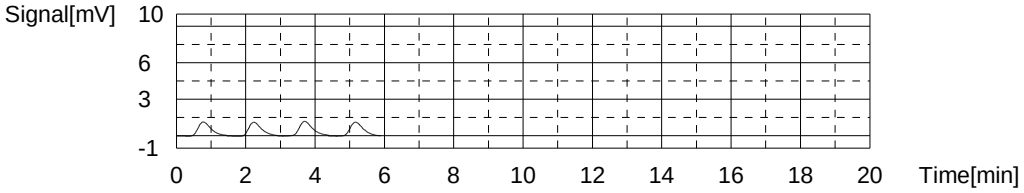
Type	Anal.	Dil.	Result
Unknown	IC	1.000	IC:0.4934mg/L

1. Det

Anal.: IC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	2.796	0.4848mg/L	50uL	1		1-40PPM IC CAL.2012_05_10_13_25_01.cal	05/11/2012 10:58:30 AM
2	2.832	0.4915mg/L	50uL	1		1-40PPM IC CAL.2012_05_10_13_25_01.cal	05/11/2012 11:00:13 AM
3	2.875	0.4996mg/L	50uL	1		1-40PPM IC CAL.2012_05_10_13_25_01.cal	05/11/2012 11:01:56 AM
4	2.865	0.4977mg/L	50uL	1		1-40PPM IC CAL.2012_05_10_13_25_01.cal	05/11/2012 11:03:42 AM

Mean Area 2.842
Mean Conc. 0.4934mg/L



Sample

Sample Name: 280-28131-j-6
Sample ID:
Origin: TIC.met
Status Completed
Chk. Result

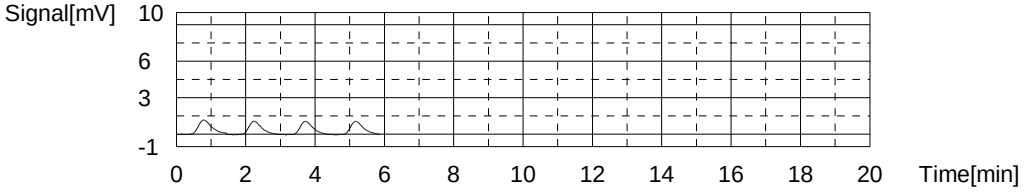
Type	Anal.	Dil.	Result
Unknown	IC	1.000	IC:0.4681mg/L

1. Det

Anal.: IC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	2.826	0.4904mg/L	50uL	1		1-40PPM IC CAL.2012_05_10_13_25_01.cal	05/11/2012 11:08:49 AM
2	2.666	0.4604mg/L	50uL	1		1-40PPM IC CAL.2012_05_10_13_25_01.cal	05/11/2012 11:10:33 AM
3	2.650	0.4574mg/L	50uL	1		1-40PPM IC CAL.2012_05_10_13_25_01.cal	05/11/2012 11:12:15 AM
4	2.687	0.4644mg/L	50uL	1		1-40PPM IC CAL.2012_05_10_13_25_01.cal	05/11/2012 11:13:59 AM

Mean Area 2.707
Mean Conc. 0.4681mg/L



Sample

Sample Name: CCV
Sample ID:
Origin: TIC.met
Status Completed
Chk. Result

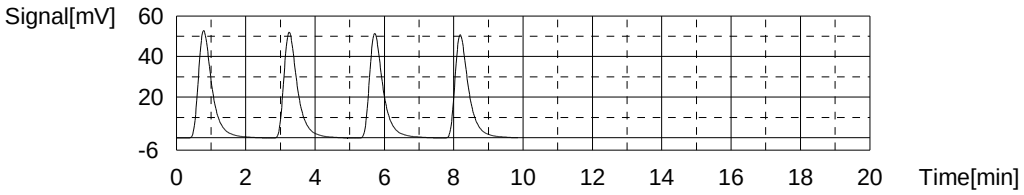
Type	Anal.	Dil.	Result
Unknown	IC	1.000	IC:26.56mg/L

1. Det

Anal.: IC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	144.4	27.00mg/L	50uL	1		1-40PPM IC CAL.2012_05_10_13_25_01.cal	05/11/2012 11:20:04 AM
2	143.0	26.74mg/L	50uL	1		1-40PPM IC CAL.2012_05_10_13_25_01.cal	05/11/2012 11:22:44 AM
3	141.7	26.50mg/L	50uL	1		1-40PPM IC CAL.2012_05_10_13_25_01.cal	05/11/2012 11:25:24 AM
4	139.0	25.99mg/L	50uL	1		1-40PPM IC CAL.2012_05_10_13_25_01.cal	05/11/2012 11:28:03 AM

Mean Area 142.0
Mean Conc. 26.56mg/L



Sample

Sample Name: CCB
Sample ID:
Origin: TIC.met
Status Completed
Chk. Result

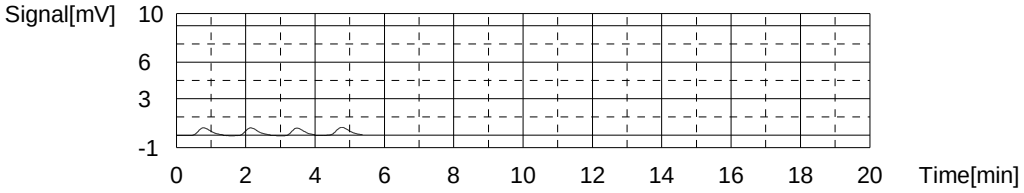
Type	Anal.	Dil.	Result
Unknown	IC	1.000	IC:0.2325mg/L

1. Det

Anal.: IC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	1.438	0.2304mg/L	50uL	1		1-40PPM IC CAL.2012_05_10_13_25_01.cal	05/11/2012 11:33:04 AM
2	1.470	0.2364mg/L	50uL	1		1-40PPM IC CAL.2012_05_10_13_25_01.cal	05/11/2012 11:34:40 AM
3	1.349	0.2138mg/L	50uL	1		1-40PPM IC CAL.2012_05_10_13_25_01.cal	05/11/2012 11:36:12 AM
4	1.539	0.2494mg/L	50uL	1		1-40PPM IC CAL.2012_05_10_13_25_01.cal	05/11/2012 11:37:50 AM

Mean Area 1.449
Mean Conc. 0.2325mg/L



Sample

Sample Name: 280-28076-I-1
Sample ID:
Origin: TIC.met
Status Completed
Chk. Result

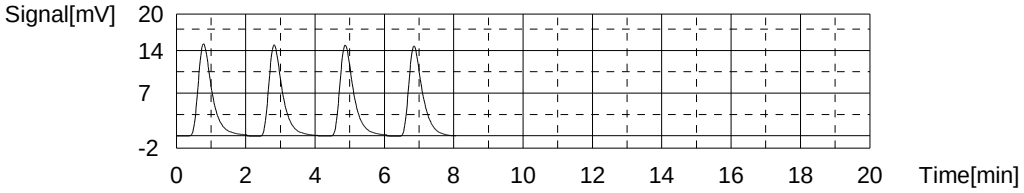
Type	Anal.	Dil.	Result
Unknown	IC	1.000	IC:7.594mg/L

1. Det

Anal.: IC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	41.11	7.660mg/L	50uL	1		1-40PPM IC CAL.2012_05_10_13_25_01.cal	05/11/2012 11:43:29 AM
2	41.04	7.647mg/L	50uL	1		1-40PPM IC CAL.2012_05_10_13_25_01.cal	05/11/2012 11:45:44 AM
3	40.32	7.512mg/L	50uL	1		1-40PPM IC CAL.2012_05_10_13_25_01.cal	05/11/2012 11:48:04 AM
4	40.55	7.555mg/L	50uL	1		1-40PPM IC CAL.2012_05_10_13_25_01.cal	05/11/2012 11:50:16 AM

Mean Area 40.76
Mean Conc. 7.594mg/L



Sample

Sample Name: 280-28131-j-1
Sample ID:
Origin: TIC.met
Status Completed
Chk. Result

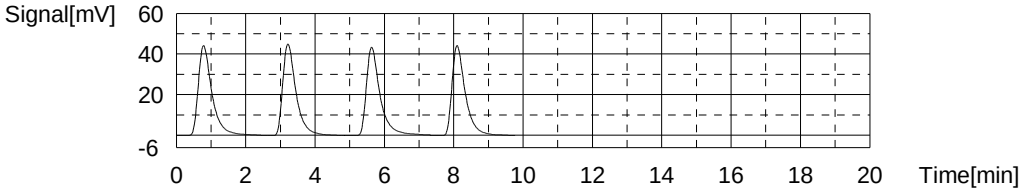
Type	Anal.	Dil.	Result
Unknown	IC	1.000	IC:22.24mg/L

1. Det

Anal.: IC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	120.2	22.47mg/L	50uL	1		1-40PPM IC CAL.2012_05_10_13_25_01.cal	05/11/2012 11:56:19 AM
2	119.4	22.32mg/L	50uL	1		1-40PPM IC CAL.2012_05_10_13_25_01.cal	05/11/2012 11:58:56 AM
3	118.3	22.12mg/L	50uL	1		1-40PPM IC CAL.2012_05_10_13_25_01.cal	05/11/2012 12:01:36 PM
4	118.0	22.06mg/L	50uL	1		1-40PPM IC CAL.2012_05_10_13_25_01.cal	05/11/2012 12:04:15 PM

Mean Area 119.0
Mean Conc. 22.24mg/L



Sample

Sample Name: 280-28131-j-3
Sample ID:
Origin: TIC.met
Status Completed
Chk. Result

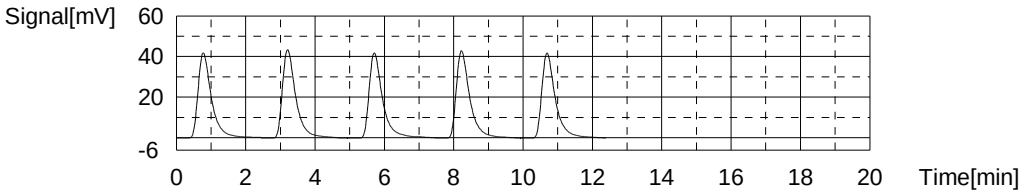
Type	Anal.	Dil.	Result
Unknown	IC	1.000	IC:21.09mg/L

1. Det

Anal.: IC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	111.2	20.79mg/L	50uL	1		1-40PPM IC CAL.2012_05_10_13_25_01.cal	05/11/2012 12:10:18 PM
2	116.1	21.70mg/L	50uL	1	E	1-40PPM IC CAL.2012_05_10_13_25_01.cal	05/11/2012 12:13:00 PM
3	112.4	21.01mg/L	50uL	1		1-40PPM IC CAL.2012_05_10_13_25_01.cal	05/11/2012 12:15:43 PM
4	115.1	21.52mg/L	50uL	1		1-40PPM IC CAL.2012_05_10_13_25_01.cal	05/11/2012 12:18:23 PM
5	112.6	21.05mg/L	50uL	1		1-40PPM IC CAL.2012_05_10_13_25_01.cal	05/11/2012 12:21:03 PM

Mean Area 112.8
Mean Conc. 21.09mg/L



Sample

Sample Name: 280-28131-x-4
Sample ID:
Origin: TIC.met
Status Completed
Chk. Result

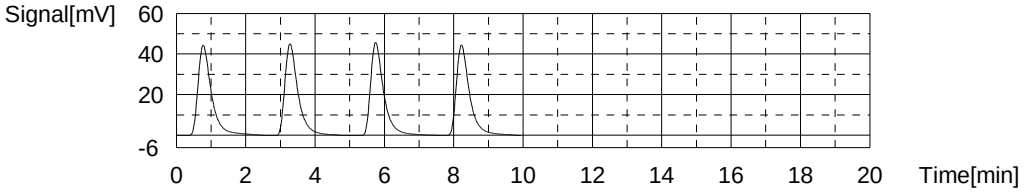
Type	Anal.	Dil.	Result
Unknown	IC	1.000	IC:22.21mg/L

1. Det

Anal.: IC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	119.0	22.25mg/L	50uL	1		1-40PPM IC CAL.2012_05_10_13_25_01.cal	05/11/2012 12:27:08 PM
2	119.3	22.30mg/L	50uL	1		1-40PPM IC CAL.2012_05_10_13_25_01.cal	05/11/2012 12:29:49 PM
3	119.6	22.36mg/L	50uL	1		1-40PPM IC CAL.2012_05_10_13_25_01.cal	05/11/2012 12:32:29 PM
4	117.4	21.95mg/L	50uL	1		1-40PPM IC CAL.2012_05_10_13_25_01.cal	05/11/2012 12:35:10 PM

Mean Area 118.8
Mean Conc. 22.21mg/L



Sample

Sample Name: MS 280-28131-x-4
Sample ID:
Origin: TIC.met
Status Completed
Chk. Result

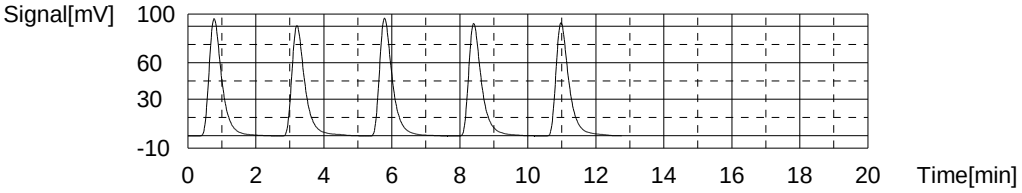
Type	Anal.	Dil.	Result
Unknown	IC	1.000	IC:46.00mg/L

1. Det

Anal.: IC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	249.9	46.76mg/L	50uL	1		1-40PPM IC CAL.2012_05_10_13_25_01.cal	05/11/2012 12:41:13 PM
2	241.9	45.26mg/L	50uL	1		1-40PPM IC CAL.2012_05_10_13_25_01.cal	05/11/2012 12:44:00 PM
3	253.9	47.51mg/L	50uL	1	E	1-40PPM IC CAL.2012_05_10_13_25_01.cal	05/11/2012 12:46:49 PM
4	243.7	45.60mg/L	50uL	1		1-40PPM IC CAL.2012_05_10_13_25_01.cal	05/11/2012 12:49:35 PM
5	247.8	46.37mg/L	50uL	1		1-40PPM IC CAL.2012_05_10_13_25_01.cal	05/11/2012 12:52:20 PM

Mean Area 245.8
Mean Conc. 46.00mg/L



Sample

Sample Name: MSD 280-28131-x-4
Sample ID:
Origin: TIC.met
Status Completed
Chk. Result

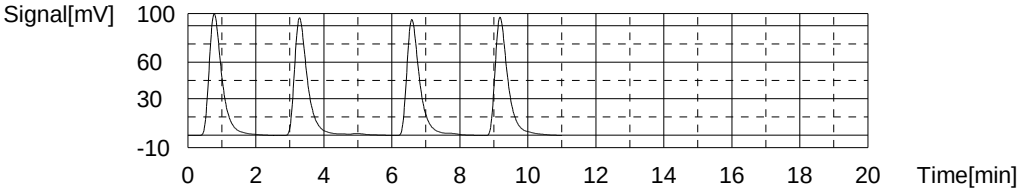
Type	Anal.	Dil.	Result
Unknown	IC	1.000	IC:48.06mg/L

1. Det

Anal.: IC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	261.6	48.95mg/L	50uL	1		1-40PPM IC CAL.2012_05_10_13_25_01.cal	05/11/2012 12:58:26 PM
2	260.0	48.65mg/L	50uL	1		1-40PPM IC CAL.2012_05_10_13_25_01.cal	05/11/2012 01:01:56 PM
3	251.1	46.99mg/L	50uL	1		1-40PPM IC CAL.2012_05_10_13_25_01.cal	05/11/2012 01:04:44 PM
4	254.6	47.64mg/L	50uL	1		1-40PPM IC CAL.2012_05_10_13_25_01.cal	05/11/2012 01:07:31 PM

Mean Area 256.8
Mean Conc. 48.06mg/L



Sample

Sample Name: 280-28131-i-5
Sample ID:
Origin: TIC.met
Status Completed
Chk. Result

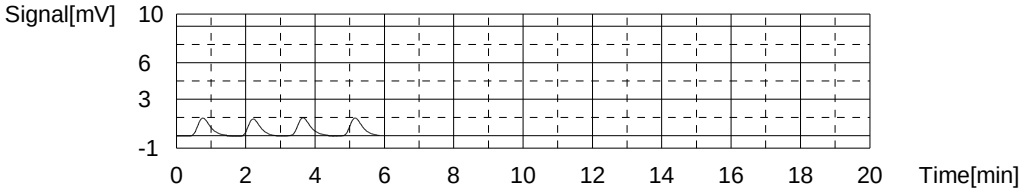
Type	Anal.	Dil.	Result
Unknown	IC	1.000	IC:0.6212mg/L

1. Det

Anal.: IC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	3.551	0.6262mg/L	50uL	1		1-40PPM IC CAL.2012_05_10_13_25_01.cal	05/11/2012 01:12:38 PM
2	3.377	0.5936mg/L	50uL	1		1-40PPM IC CAL.2012_05_10_13_25_01.cal	05/11/2012 01:14:19 PM
3	3.591	0.6337mg/L	50uL	1		1-40PPM IC CAL.2012_05_10_13_25_01.cal	05/11/2012 01:16:03 PM
4	3.580	0.6316mg/L	50uL	1		1-40PPM IC CAL.2012_05_10_13_25_01.cal	05/11/2012 01:17:46 PM

Mean Area 3.525
Mean Conc. 0.6212mg/L



Sample

Sample Name: 280-28131-i-6
Sample ID:
Origin: TIC.met
Status Completed
Chk. Result

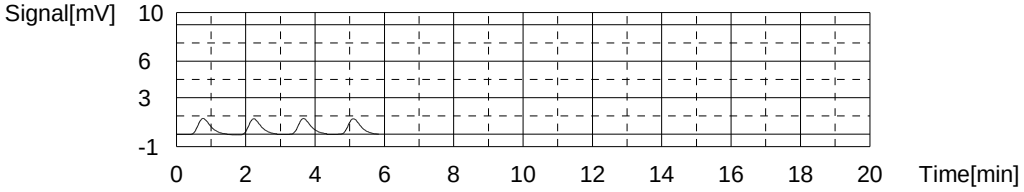
Type	Anal.	Dil.	Result
Unknown	IC	1.000	IC:0.5508mg/L

1. Det

Anal.: IC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	3.208	0.5619mg/L	50uL	1		1-40PPM IC CAL.2012_05_10_13_25_01.cal	05/11/2012 01:22:54 PM
2	3.104	0.5425mg/L	50uL	1		1-40PPM IC CAL.2012_05_10_13_25_01.cal	05/11/2012 01:24:35 PM
3	3.149	0.5509mg/L	50uL	1		1-40PPM IC CAL.2012_05_10_13_25_01.cal	05/11/2012 01:26:16 PM
4	3.133	0.5479mg/L	50uL	1		1-40PPM IC CAL.2012_05_10_13_25_01.cal	05/11/2012 01:28:00 PM

Mean Area 3.149
Mean Conc. 0.5508mg/L



Sample

Sample Name: CCV
Sample ID:
Origin: TIC.met
Status Completed
Chk. Result

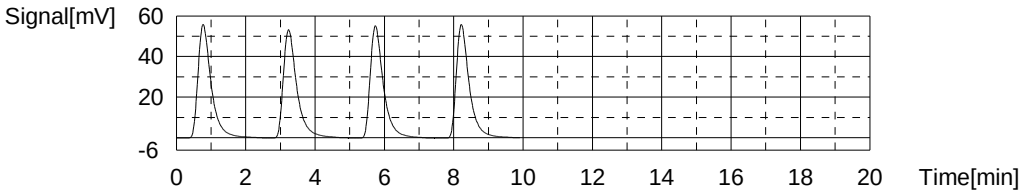
Type	Anal.	Dil.	Result
Unknown	IC	1.000	IC:27.16mg/L

1. Det

Anal.: IC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	146.8	27.45mg/L	50uL	1		1-40PPM IC CAL.2012_05_10_13_25_01.cal	05/11/2012 01:34:05 PM
2	144.1	26.95mg/L	50uL	1		1-40PPM IC CAL.2012_05_10_13_25_01.cal	05/11/2012 01:36:47 PM
3	146.0	27.30mg/L	50uL	1		1-40PPM IC CAL.2012_05_10_13_25_01.cal	05/11/2012 01:39:28 PM
4	144.1	26.95mg/L	50uL	1		1-40PPM IC CAL.2012_05_10_13_25_01.cal	05/11/2012 01:42:07 PM

Mean Area 145.3
Mean Conc. 27.16mg/L



Sample

Sample Name: CCB
Sample ID:
Origin: TIC.met
Status Completed
Chk. Result

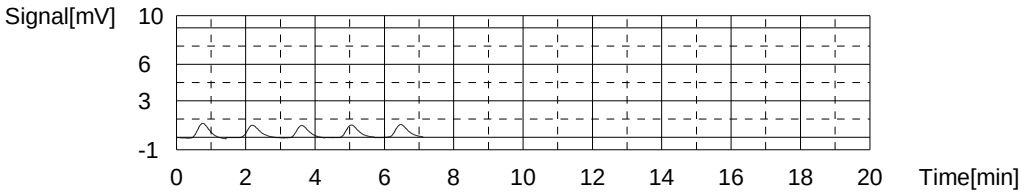
Type	Anal.	Dil.	Result
Unknown	IC	1.000	IC:0.4189mg/L

1. Det

Anal.: IC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	2.909	0.5059mg/L	50uL	1	E	1-40PPM IC CAL.2012_05_10_13_25_01.cal	05/11/2012 01:47:13 PM
2	2.435	0.4172mg/L	50uL	1		1-40PPM IC CAL.2012_05_10_13_25_01.cal	05/11/2012 01:48:56 PM
3	2.442	0.4185mg/L	50uL	1		1-40PPM IC CAL.2012_05_10_13_25_01.cal	05/11/2012 01:50:37 PM
4	2.405	0.4115mg/L	50uL	1		1-40PPM IC CAL.2012_05_10_13_25_01.cal	05/11/2012 01:52:17 PM
5	2.495	0.4284mg/L	50uL	1		1-40PPM IC CAL.2012_05_10_13_25_01.cal	05/11/2012 01:53:57 PM

Mean Area 2.444
Mean Conc. 0.4189mg/L



TOC-V Method Information
TIC.met

[General Information]
System TOC-VCSH(2)
User ELKIN
Date of Creation 05/30/2006 11:30:21 AM
Analysis IC
Sample Name
Sample ID
Auto Dil. 1.000000
No of Determ. 1
USP/EP Sample Check No
Origin TIC.met

[IC]
Unit mg/L
No. of Inj, 4/6
No of Washes 2
SD Max 0.100000
CV Max 2.000000%
Acid Add 0.000000%
Sparge Time 0sec
Auto Dil. 1
Inj Vol 50uL
Multiple Inj Yes
At. Correct. InjVol/DiFkt. Yes
Use blank Area No
UV Oxid Vol 0.000000mL
Min. integration time 0sec
Max. integration time 420sec
Cal. Curve1 1-40PPM IC CAL.cal
Cal. Curve2 None
Cal. Curve3 None

TestAmerica Denver

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THE LEADER IN ENVIRONMENTAL TESTING

Wet Chemistry Data Review Checklist For Gravimetric Methods

Test Name/Method #: TDS Analysis Date: 4/27/12

SOP #: DV-WC 0064 Analyst: BT Instrument: Bal

Lot / Sample Numbers	Matrix	Prep Batch	Batch	Method	Special Inst
27533, 28076, 28131	WATER	—	117267	—	—

4/30/12 BT

A. Balance, Oven, and DI Water QC Checks	Yes	No	N/A	2nd Level
1. Was the balance calibration verified before and after processing samples and noted in the "Balance Calibration Log" for the date(s) the samples were processed?	—			—
2. Was the oven temperature within method requirements and recorded in the "Oven Temperature" logbook for the date(s) the samples were processed?	—			—
3. Was the daily conductivity check of the deionized water recorded in the "Conductivity Logbook"?		X		—
B. Method Requirements				
1. If sample is visibly oily, was this noted on the benchsheet?		X		—
2. Was final residue weight within minimum/maximum requirements?	—			—
3. Were the initial and final drying dates and times recorded on the benchsheet and were all samples dried for at least one hour?	—			—
C. Sample Results				
1. TDS/Conductivity ratio or historical data checked?		X		—
2. For % Moisture, was the Final Dried Weight < the Initial Pan Weight or is the result greater than 100%?			X	—
3. Were sample analyses done within holding time?	—			—
4. Were special client requirements met?	—			—
5. Were data that were manually transcribed from instrument printouts into TALS verified 100% including significant figures and units?	—			—
6. Do the prep and analysis dates in TALS reflect the actual dates? Lots/Dates report checked?	—			—
7. STD/True Value information is updated and included?	—			—
8. Are raw data copies prepared, scanned, and uploaded?	—			—
D. Preparation/Matrix QC				
1. Method blank < RL or all reported samples > 10 X RL?	—			—
2. Method blank < ½ RL or NCM provided?	—			—
3. LCS/LCSD run for batch and within QC limits?	—			—
4. DUP run for batch and RPD < 20% for samples >5 X RL?	—			—

Analyst: BT Date: 4/30/12

Comments: _____

2nd Level Reviewer : RS Date: 4/30/12

Comments: _____

5/10/12

R 280-79658

Metals/Inorganics Analysis Sheet

(To Accompany Samples to Instruments)

Batch Number: 280-117267

Method Code: 280-2540C_Calcd-280

Analyst: Domnick, Brandon J

Batch Open: 4/27/2012 8:51:00AM

Batch End: 4/27/12 9:55 180

Solids, Total Dissolved (TDS)

[St. 259 exp. 7/26/12]

	Input Sample Lab ID (Analytical Method)	SDG	Matrix	Initial Amount	Final Amount	Due Date	Analytical TAT	Div Rank	Comments	Output Sample Lab ID
1	MB~280-117267/1 N/A	N/A			1 U	N/A	N/A	N/A		
2	LCS~280-117267/2 N/A	N/A			1 U	N/A	N/A	N/A		
3	LCSD~280-117267/3 N/A	N/A			1 U	N/A	N/A	N/A		
4	280-27933-A-7 (2540C_Calcd)	N/A	Water		1 U	5/10/12	14_Day_Rush -	4		
4	280-27933-A-7 (2540C_Calcd)	N/A	Water			5/10/12	14_Day_Rush -	4		
4	280-27933-A-7 (2540C_Calcd)	N/A	Water			5/10/12	14_Day_Rush -	4		
5	280-27933-A-7~DU (2540C_Calcd)	N/A	Water			5/10/12	14_Day_Rush -	4		
5	280-27933-A-7~DU (2540C_Calcd)	N/A	Water			5/10/12	14_Day_Rush -	4		
5	280-27933-A-7~DU (2540C_Calcd)	N/A	Water		1 U	5/10/12	14_Day_Rush -	4		
6	280-28076-G-1 (2540C_Calcd)	N/A	Water	2770	5 U	5/10/12	14_Day_Rush -	4	Q	
7	280-28131-H-1 (2540C_Calcd)	N/A	Water	1357	1 U	5/10/12	14_Day_Rush -	4		
8	280-28131-H-3 (2540C_Calcd)	N/A	Water	1448	10 U	5/10/12	14_Day_Rush -	4		
9	280-28131-U-4 (2540C_Calcd)	N/A	Water	1467	10 U	5/10/12	14_Day_Rush -	4		
10	280-28131-H-5 (2540C_Calcd)	N/A	Water	1.79	(10)	5/10/12	14_Day_Rush -	4		

Metals/Inorganics Analysis Sheet

(To Accompany Samples to Instruments)

Batch Number: 280-117267 Analyst: Domnick, Brandon J Batch Open: 4/27/2012 8:51:00AM

Method Code: 280-2540C_Calcd-280 Batch End:

11	280-28131-H-6 (2540C_Calcd)	N/A	Water	1.96	13	5/10/12	14_Day_Rush -	4	

GENERAL CHEMISTRY BATCH WORKSHEET

Lab Name: TestAmerica Denver Job No.: 280-28076-1

SDG No.:

Batch Number: 119085 Batch Start Date: 05/09/12 12:32 Batch Analyst: Scott, Samantha J

Batch Method: 350.1 Batch End Date:

Lab Sample ID	Client Sample ID	Method Chain	Basis	InitialAmount	FinalAmount	CalcMsg	NXN CAL INT 00141	NXN ICV INT 00137	AnalysisComment
ICVL 280-119085/15		350.1		100 mL	100 mL	OK		2 mL	
ICV 280-119085/16		350.1		100 mL	100 mL	OK		5 mL	
ICB 280-119085/17		350.1				OK			
LCS 280-119085/21		350.1		100 mL	100 mL	OK	5 mL		
LCSD 280-119085/22		350.1		100 mL	100 mL	OK	5 mL		
280-28076-I-1	MW02	350.1	T			OK			ph<2
280-28131-AF-4 MS		350.1	T	5 mL	5 mL	OK	0.2 mL		ph<2
280-28131-AF-4 MSD		350.1	T	5 mL	5 mL	OK	0.2 mL		ph<2
CCV 280-119085/32		350.1		100 mL	100 mL	OK	5 mL		
CCVL 280-119085/33		350.1		100 mL	100 mL	OK	1 mL		
CCB 280-119085/34		350.1				OK			
MB 280-119085/37		350.1				OK			ph<2
CCV 280-119085/43		350.1		100 mL	100 mL	OK	5 mL		
CCVL 280-119085/44		350.1		100 mL	100 mL	OK	1 mL		
CCB 280-119085/45		350.1				OK			

Batch Notes	
Batch Comment	pipettes 5000b 1000q
Buffer Reagent ID Number	nh3 buffer_00011
Hypochlorite Reagent ID Number	hypochlorite_00158
Sodium Nitroprusside Reagent ID	nitroprusside_00018
Perform Calculation (0=No, 1=Yes)	1
Sodium Phenolate Reagent ID Number	phenolate nh3_00034

GENERAL CHEMISTRY BATCH WORKSHEET

Lab Name: TestAmerica Denver Job No.: 280-28076-1

SDG No.:

Batch Number: 119085 Batch Start Date: 05/09/12 12:32 Batch Analyst: Scott, Samantha J

Batch Method: 350.1 Batch End Date:

Basis	Basis Description
T	Total/NA

GENERAL CHEMISTRY BATCH WORKSHEET

Lab Name: TestAmerica Denver Job No.: 280-28076-1

SDG No.:

Batch Number: 119089 Batch Start Date: 05/09/12 12:32 Batch Analyst: Scott, Samantha J

Batch Method: 353.2 Batch End Date:

Lab Sample ID	Client Sample ID	Method Chain	Basis	InitialAmount	FinalAmount	NXN CAL INT 00141	NXN ICV INT 00137	AnalysisComment	
ICVL 280-119089/15		353.2		100 mL	100 mL		2 mL		
ICV 280-119089/16		353.2		100 mL	100 mL		5 mL		
MRL 280-119089/18		353.2		100 mL	100 mL	0.1 mL			
LCS 280-119089/21		353.2		100 mL	100 mL	5 mL			
LCSD 280-119089/22		353.2		100 mL	100 mL	5 mL			
280-28076-I-1	MW02	353.2	T					PH<2	
280-28131-AF-4 MS		353.2	T	5 mL	5 mL	0.2 mL		PH<2	
280-28131-AF-4 MSD		353.2	T	5 mL	5 mL	0.2 mL		PH<2	
CCV 280-119089/32		353.2		100 mL	100 mL	5 mL			
CCVL 280-119089/33		353.2		100 mL	100 mL	1 mL			

Batch Notes	
Batch Comment	pipettes 5000b 1000q
Buffer Lot #	noxt buffer_00031
Color Reagent Lot #	noxt CR_00015

Basis	Basis Description
T	Total/NA

GENERAL CHEMISTRY BATCH WORKSHEET

Lab Name: TestAmerica Denver Job No.: 280-28076-1

SDG No.:

Batch Number: 119077 Batch Start Date: 05/08/12 19:00 Batch Analyst: Woolley, Mark

Batch Method: 365.2/365.3/365 Batch End Date: 05/08/12 20:30

Lab Sample ID	Client Sample ID	Method Chain	Basis	InitialAmount	FinalAmount	LL Phos ICV 1 00046	LL Phos wrk 1 00025		
ICV 280-119077/1		365.2/365.3/ 365, 365.1		50 mL	50 mL	1 mL			
ICB 280-119077/2		365.2/365.3/ 365, 365.1		50 mL	50 mL				
LCS 280-119077/3		365.2/365.3/ 365, 365.1		50 mL	50 mL		2 mL		
LCSD 280-119077/4		365.2/365.3/ 365, 365.1		50 mL	50 mL		2 mL		
MB 280-119077/5		365.2/365.3/ 365, 365.1		50 mL	50 mL				
280-28131-AP-4 MS		365.2/365.3/ 365, 365.1	D	50 mL	50 mL		2 mL		
280-28131-AP-4 MSD		365.2/365.3/ 365, 365.1	D	50 mL	50 mL		2 mL		
280-28076-O-1	MW02	365.2/365.3/ 365, 365.1	D	50 mL	50 mL				

Batch Notes	
Batch Comment	1000T/5000N
Block Digestor Name	Block A
First End time	2030
Ammonium Persulfate Lot #	Ammonium SO4_00004
Oven, Bath or Block Temperature 1	140 Centigrade
First Start time	1900
Sulfuric Acid Reagent ID Number	11 N H2SO4_00003
Uncorrected Temperature	140 Celsius

Basis	Basis Description
D	Dissolved

GENERAL CHEMISTRY BATCH WORKSHEET

Lab Name: TestAmerica Denver Job No.: 280-28076-1

SDG No.:

Batch Number: 119081 Batch Start Date: 05/08/12 19:00 Batch Analyst: Woolley, Mark

Batch Method: 365.2/365.3/365 Batch End Date: 05/08/12 20:30

Lab Sample ID	Client Sample ID	Method Chain	Basis	InitialAmount	FinalAmount	LL Phos wrk 1 00025			
LCS 280-119081/1		365.2/365.3/ 365, 365.1		50 mL	50 mL	2 mL			
LCSD 280-119081/2		365.2/365.3/ 365, 365.1		50 mL	50 mL	2 mL			
MB 280-119081/3		365.2/365.3/ 365, 365.1		50 mL	50 mL				
280-28131-AO-4 MS		365.2/365.3/ 365, 365.1	T	50 mL	50 mL	2 mL			
280-28131-AO-4 MSD		365.2/365.3/ 365, 365.1	T	50 mL	50 mL	2 mL			
280-28076-N-1	MW02	365.2/365.3/ 365, 365.1	T	50 mL	50 mL				

Batch Notes	
Batch Comment	5000N
Block Digestor Name	BlockA
First End time	2030
Ammonium Persulfate Lot #	Ammonium SO4_00004
Oven, Bath or Block Temperature 1	140 Centigrade
First Start time	1900
Sulfuric Acid Reagent ID Number	11 N H2SO4_00003
Uncorrected Temperature	140 Celsius

Basis	Basis Description
T	Total/NA

GENERAL CHEMISTRY BATCH WORKSHEET

Lab Name: TestAmerica Denver Job No.: 280-28076-1

SDG No.:

Batch Number: 119330 Batch Start Date: 05/11/12 00:56 Batch Analyst: Woolley, Mark

Batch Method: 365.1 Batch End Date:

Lab Sample ID	Client Sample ID	Method Chain	Basis	InitialAmount	FinalAmount	LL Phos wrk 1 00025			
ICV 280-119077/1-A		365.1		4 mL	4 mL				
LCS 280-119077/3-A		365.1		4 mL	4 mL				
LCSD 280-119077/4-A		365.1		4 mL	4 mL				
MB 280-119077/5-A		365.1		4 mL	4 mL				
CCV 280-119330/28		365.1		50 mL	50 mL	2 mL			
CCB 280-119330/29		365.1		4 mL	4 mL				
280-28131-AP-4-B MS		365.1	D	4 mL	4 mL				
280-28131-AP-4-C MSD		365.1	D	4 mL	4 mL				
CCV 280-119330/41		365.1		50 mL	50 mL	2 mL			
CCB 280-119330/42		365.1		4 mL	4 mL				

Batch Notes	

Basis	Basis Description
D	Dissolved

GENERAL CHEMISTRY BATCH WORKSHEET

Lab Name: TestAmerica Denver Job No.: 280-28076-1

SDG No.:

Batch Number: 119513 Batch Start Date: 05/11/12 22:17 Batch Analyst: Woolley, Mark

Batch Method: 365.1 Batch End Date:

Lab Sample ID	Client Sample ID	Method Chain	Basis	InitialAmount	FinalAmount	LL Phos wrk 1 00025			
ICV 280-119077/1-A		365.1		4 mL	4 mL				
ICB 280-119077/2-A		365.1		4 mL	4 mL				
LCS 280-119081/1-A		365.1		4 mL	4 mL				
LCSD 280-119081/2-A		365.1		4 mL	4 mL				
MB 280-119081/3-A		365.1		4 mL	4 mL				
280-28131-AO-4-B MS		365.1	T	4 mL	4 mL				
280-28131-AO-4-C MSD		365.1	T	4 mL	4 mL				
CCV 280-119513/28		365.1		50 mL	50 mL	2 mL			
CCB 280-119513/29		365.1		4 mL	4 mL				
280-28076-N-1-A	MW02	365.1	T	4 mL	4 mL				
280-28076-O-1-A	MW02	365.1	D	4 mL	4 mL				
CCV 280-119513/33		365.1		50 mL	50 mL	2 mL			
CCB 280-119513/34		365.1		4 mL	4 mL				

Batch Notes	

Basis	Basis Description
T	Total/NA
D	Dissolved

GENERAL CHEMISTRY BATCH WORKSHEET

Lab Name: TestAmerica Denver Job No.: 280-28076-1

SDG No.:

Batch Number: 117895 Batch Start Date: 05/01/12 11:19 Batch Analyst: Kudla, Ewa

Batch Method: 9056 Batch End Date:

Lab Sample ID	Client Sample ID	Method Chain	Basis	FinalAmount	IC CAL INT1 00151	IC daily cal 00776	IC ICV daily 00776	ICMS/MSD WEEK 00138	
ICV 280-117895/9		9056					5 mL		
MRL 280-117895/11		9056		5 mL	0.02 mL				
LCS 280-117895/12		9056				5 mL			
LCSD 280-117895/13		9056				5 mL			
280-28131-U-4 MS		9056	T	5 mL				50 uL	
280-28131-U-4 MSD		9056	T	5 mL				50 uL	
CCV 280-117895/25		9056				5 mL			
280-28131-U-4 MS		9056	T	5 mL				50 uL	
280-28131-U-4 MSD		9056	T	5 mL				50 uL	
CCV 280-117895/34		9056				5 mL			

Batch Notes	
Batch Comment	wc5000-ic, wc1000-u, wc100-c
Eluent 1 Lot	110820881012
Filter Lot #	koja5815-2038

Basis	Basis Description
T	Total/NA

GENERAL CHEMISTRY BATCH WORKSHEET

Lab Name: TestAmerica Denver Job No.: 280-28076-1

SDG No.:

Batch Number: 118783 Batch Start Date: 05/07/12 17:14 Batch Analyst: Elkin, David

Batch Method: 9060 Batch End Date:

Lab Sample ID	Client Sample ID	Method Chain	Basis	InitialAmount	FinalAmount	TOC ICV Std 00012	TOC LCS Std 00012	AnalysisComment	
ICV 280-118783/1		9060		50 mL	50 mL	1 mL			
LCS 280-118783/3		9060		200 mL	200 mL		5 mL		
LCSD 280-118783/4		9060		200 mL	200 mL		5 mL		
280-28076-H-1	MW02	9060	T					ph <2	
280-28131-AM-4 MS		9060	T	50 mL	50 mL		1.25 mL	ph <2	
280-28131-AM-4 MSD		9060	T	50 mL	50 mL		1.25 mL	ph <2	
CCV 280-118783/16		9060		200 mL	200 mL		5 mL		

Batch Notes	
Batch Comment	0.2% h2so4 00006 wc -5000-L wc-1000-H

Basis	Basis Description
T	Total/NA

GENERAL CHEMISTRY BATCH WORKSHEET

Lab Name: TestAmerica Denver Job No.: 280-28076-1

SDG No.:

Batch Number: 118784 Batch Start Date: 05/07/12 17:14 Batch Analyst: Elkin, David

Batch Method: 9060 Batch End Date:

Lab Sample ID	Client Sample ID	Method Chain	Basis	InitialAmount	FinalAmount	TOC ICV Std 00012	TOC LCS Std 00012	AnalysisComment	
ICV 280-118784/1		9060		50 mL	50 mL	1 mL			
LCS 280-118784/3		9060		200 mL	200 mL		5 mL		
LCSD 280-118784/4		9060		200 mL	200 mL		5 mL		
280-28076-K-1	MW02	9060	D					ph <2	
CCV 280-118784/16		9060		200 mL	200 mL		5 mL		
280-28131-AI-4 MS		9060	D	50 mL	50 mL		1.25 mL	ph <2	
280-28131-AI-4 MSD		9060	D	50 mL	50 mL		1.25 mL	ph <2	
CCV 280-118784/24		9060		200 mL	200 mL		5 mL		

Batch Notes	
Batch Comment	0.2% h2so4 00006 wc-5000-L wc-1000-h

Basis	Basis Description
D	Dissolved

GENERAL CHEMISTRY BATCH WORKSHEET

Lab Name: TestAmerica Denver Job No.: 280-28076-1

SDG No.:

Batch Number: 119489 Batch Start Date: 05/11/12 08:27 Batch Analyst: Elkin, David

Batch Method: 9060 Batch End Date:

Lab Sample ID	Client Sample ID	Method Chain	Basis	InitialAmount	FinalAmount	TIC CAL Std 00004	TIC ICV std 00004		
ICV 280-119489/1		9060		50 mL	50 mL	1 mL			
LCS 280-119489/3		9060		200 mL	200 mL		5 mL		
LCSD 280-119489/4		9060		200 mL	200 mL		5 mL		
CCV 280-119489/14		9060		200 mL	200 mL		5 mL		
280-28131-X-4 MS		9060	T	50 mL	50 mL		1.25 mL		
280-28131-X-4 MSD		9060	T	50 mL	50 mL		1.25 mL		
CCV 280-119489/24		9060		200 mL	200 mL		5 mL		

Batch Notes	
Batch Comment	wc-5000-ic wc-1000-m

Basis	Basis Description
T	Total/NA

GENERAL CHEMISTRY BATCH WORKSHEET

Lab Name: TestAmerica Denver Job No.: 280-28076-1

SDG No.:

Batch Number: 119515 Batch Start Date: 05/11/12 08:35 Batch Analyst: Elkin, David

Batch Method: 9060 Batch End Date:

Lab Sample ID	Client Sample ID	Method Chain	Basis	InitialAmount	FinalAmount	TIC CAL Std 00004	TIC ICV std 00004		
ICV 280-119515/1		9060		50 mL	50 mL		1 mL		
LCS 280-119515/3		9060		200 mL	200 mL	5 mL			
LCSD 280-119515/4		9060		200 mL	200 mL	5 mL			
280-28131-W-4 MS		9060	D	50 mL	50 mL	1.25 mL			
280-28131-W-4 MSD		9060	D	50 mL	50 mL	1.25 mL			
CCV 280-119515/14		9060		200 mL	200 mL	5 mL			

Batch Notes	
Batch Comment	wc-5000-ic wc-1000-m

Basis	Basis Description
D	Dissolved

GENERAL CHEMISTRY BATCH WORKSHEET

Lab Name: TestAmerica Denver Job No.: 280-28076-1

SDG No.:

Batch Number: 117267 Batch Start Date: 04/27/12 08:51 Batch Analyst: Domnick, Brandon J

Batch Method: SM 2540C Batch End Date:

Lab Sample ID	Client Sample ID	Method Chain	Basis	Conductivity	InitialAmount	TareWeight	Weight1	Weight2	Weight3
MB 280-117267/1		SM 2540C		0.45 umhos/cm	100 mL	66.6980 g	66.6981 g	66.6984 g	0 g
LCS 280-117267/2		SM 2540C			100 mL	66.9136 g	66.9629 g	66.9631 g	0 g
LCSD 280-117267/3		SM 2540C			100 mL	67.1266 g	67.1759 g	67.1761 g	0 g
280-27933-A-7 DU		SM 2540C	T		100 mL	66.8398 g	66.8606 g	66.8604 g	0 g
280-28076-G-1	MW02	SM 2540C	T	2770 umhos/cm	50 mL	66.0109 g	66.0659 g	66.0663 g	0 g

Lab Sample ID	Client Sample ID	Method Chain	Basis	WeightOne%Diff	Residue	Residue2	FinalAmount	TDS LCS 00259	
MB 280-117267/1		SM 2540C		PASS_D No Unit	0.00010 g	0.00040 g	100 mL		
LCS 280-117267/2		SM 2540C		PASS_D No Unit	0.04930 g	0.04950 g	100 mL	100 mL	
LCSD 280-117267/3		SM 2540C		PASS_D No Unit	0.04930 g	0.04950 g	100 mL	100 mL	
280-27933-A-7 DU		SM 2540C	T	PASS_D No Unit	0.02080 g	0.02060 g	100 mL		
280-28076-G-1	MW02	SM 2540C	T	PASS_D No Unit	0.05500 g	0.05540 g	100 mL		

GENERAL CHEMISTRY BATCH WORKSHEET

Lab Name: TestAmerica Denver Job No.: 280-28076-1

SDG No.:

Batch Number: 117267 Batch Start Date: 04/27/12 08:51 Batch Analyst: Domnick, Brandon J

Batch Method: SM 2540C Batch End Date:

Batch Notes	
Balance ID	D91301
Constant Weight (WT2) Date/Time in Oven	4/28/12 9:55
Constant Weight (WT2) Date/Time Out	4/28/12 11:15
Constant Weight (WT2) Temp In	180 Celsius
Constant Weight (WT2) Temp Out	180 Celsius
Filter Paper Lot Number	millipore lot# r2ba79658
Date samples were placed in the oven	4/27/12 9:55
Oven Temp when samples are put in oven	180 Celsius
Nominal Amount Used	100 mL
Date samples were removed from oven	4/28/12 5:40
Oven Temp when samples removed from oven	180 Celsius
Oven ID	A
Oven Temperature Verification	180 Celsius
ID number of the thermometer	14-983-17c
Uncorrected In Temperature	180 Celsius
Uncorrected Out Temperature	180 Celsius

Basis	Basis Description
T	Total/NA

GENERAL CHEMISTRY BATCH WORKSHEET

Lab Name: TestAmerica Savannah Job No.: 280-28076-1

SDG No.:

Batch Number: 235205 Batch Start Date: 04/24/12 13:04 Batch Analyst: Brantley, Willie

Batch Method: 425.1 Batch End Date: 04/24/12 14:04

Lab Sample ID	Client Sample ID	Method Chain	Basis	InitialAmount	FinalAmount	MBAS SPIKE 00534			
MB 680-235205/3		425.1		100 mL	100 mL				
LCS 680-235205/4		425.1		100 mL	100 mL	1 mL			
680-78834-A-2 MS		425.1	T	100 mL	100 mL	1 mL			
680-78834-A-2 MSD		425.1	T	100 mL	100 mL	1 mL			
280-28076-A-1	MW02	425.1	T	100 mL	100 mL				

Batch Notes	
Batch Comment	5540
Chloroform Lot #	2549338
Date Analyzed	04.24.12
Sulfuric Acid Lot Number	26220924
Indicator Reagent ID Number	2621012
NaOH Lot #	2486440
Phenolphthalein Lot #	0166-16
Wash Solution Lot #	2621014

Basis	Basis Description
T	Total/NA

Shipping and Receiving Documents

Chain of Custody Record

SEVERN TRENT **STL**

Severn Trent Laboratories, Inc.

STL Denver
4955 Yarrow Street
Arvada, CO 80002

STL-4124 (0901)

Client: USGS / EPA Greg Oberley	Project Manager: Gary Cotrell			Date: 4/22/12	Chain of Custody Number: 336034
Address: 1595 Wynkoop	Telephone Number (Area Code)/Fax Number: 303-236-3490			Lab Number: 28007883	Page 1 of 2
City: Denver	State: CO	Zip Code: 80202	Site Contact	Lab Contact: Lisa Uriell	
Project Name and Location (State): Pavillion Fracking	Carrier/Waybill Number				
Contract/Purchase Order/Quote No.					

Sample I.D. No. and Description (Containers for each sample may be combined on one line)	Date Collected	Time Collected	Matrix: Air	Aqueous	Sed.	Soil	Containers & Preservatives: Unpres.	H2SO4	HNO3	HCl	NaOH	ZnAc/NaOH	Analysis (Attach list if more space is needed): 6010B/7470A/6020	350.1 Ammonia	353.2 Nitrate as N	9060-TOC	9060 Diss-DOC	365.1 LL Total P	8260B-VOC	8015B-GRO	RSK175	8260B-VOC	8015B GRO	Special Instructions/ Conditions of Receipt
MW02 500ml plastic	4/22/12	3:45pm		1					✓				✓											
MW02 500ml plastic	4/22/12	3:45pm		1					✓				✓											Filtered (FIELD)
MW02 500ml Amber	4/22/12	3:45pm		1				✓						✓										
MW02 500ml Amber	4/22/12	3:45pm		1				✓							✓									
MW02 500ml Amber	4/22/12	3:45pm		1				✓								✓								
MW02 500ml Amber	4/22/12	3:45pm		1				✓									✓							Filtered (Field)
MW02 250ml Amber	4/22/12	3:45pm		1				✓										✓						
MW02 40ml VOA	4/22/12	3:45pm		3						✓									✓					
MW02 40ml VOA	4/22/12	3:45pm		3						✓										✓				~~methane/ethane/ethene~~ BTEX
MW02 40ml VOA	4/22/12	3:45pm		3						✓											✓			methane/ethane/ethene
MW02 40ml VOA	4/22/12	3:45pm		3			✓															✓		
MW02 40ml VOA	4/22/12	3:45pm		3			✓																✓	

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Possible Hazard Identification
☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown

Sample Disposal
☐ Return To Client ☒ Disposal By Lab ☐ Archive For 1 Months (A fee may be assessed if samples are retained longer than 1 month)

Turn Around Time Required
☐ 24 Hours ☐ 48 Hours ☐ 7 Days ☐ 14 Days ☐ 21 Days ☒ Other RUSH

QC Requirements (Specify)

	Date	Time		Date	Time
1. Relinquished By: Greg Oberley	4/23/12	10:00a	1. Received By	4/24/12	900
2. Relinquished By			2. Received By		
3. Relinquished By			3. Received By		

Comments

DISTRIBUTION: WHITE - Returned to Client with Report; CANARY - Stays with the Sample; PINK - Field Copy

22

2.8 IR 3
1.2 21
4124

Chain of Custody Record

SEVERN TRENT **STL**

Severn Trent Laboratories, Inc.

STL Denver
4955 Yarrow Street
Arvada, CO 80002

STL-4124 (0901)

Client: USGS / EPA Greg Oberley	Project Manager: Gary Cotrell	Date: 4/22/12	Chain of Custody Number: 336033
Address: 1595 Wynkoop St	Telephone Number (Area Code)/Fax Number: 303-236-3490	Lab Number: 28007883	Page 2 of 2
City: Denver / State: CO / Zip Code: 80202	Site Contact	Lab Contact: Lisa Uriel	
Project Name and Location (State): Pavillion Fracking	Carrier/Waybill Number		
Contract/Purchase Order/Quote No.			

Sample I.D. No. and Description (Containers for each sample may be combined on one line)	Date Collected	Time Collected	Matrix: Air	Aqueous	Sed.	Soil	Containers & Preservatives: Unpres.	H2SO4	HNO3	HCl	NaOH	ZnAc/NaOH	Analysis: DRO 8015B	SVOC 8270C	PAHs 8270C SIM	TDS 2540C Calc'd	TIC	DIC	Diss Phosphorus	Propane	Glycols+Methanol	9056 28D Anions	Special Instructions/ Conditions of Receipt
MW02 1 L Amber	4/22/12	3:45pm		2			✓						✓										
MW02 1 L Amber	4/22/12	3:45pm		2			✓							✓									
MW02 1 L Amber	4/22/12	3:45pm		2			✓								✓								
MW02 1 L Plastic	4/22/12	3:45pm		1			✓									✓							
MW02 500mL Amber	4/22/12	3:45pm		1			✓										✓						
MW02 500mL Amber	4/22/12	3:45pm		1			✓											✓					Filtered (Field)
MW02 250mL Amber	4/22/12	3:45pm		1				✓											✓				Filtered (Field)
MW02 40ml VOA	4/22/12	3:45pm		3						✓										✓			
MW02 40ml VOA	4/22/12	3:45pm		2			✓														✓		
MW02 250ml Plastic	4/22/12	3:45pm		1			✓															✓	Filter (Field) Anions - B, Cl, F, SO_4

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Possible Hazard Identification
☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown

Sample Disposal
☐ Return To Client ☒ Disposal By Lab ☐ Archive For 1 Months (A fee may be assessed if samples are retained longer than 1 month)

Turn Around Time Required
☐ 24 Hours ☐ 48 Hours ☐ 7 Days ☐ 14 Days ☐ 21 Days ☒ Other rush

QC Requirements (Specify)

	Date	Time		Date	Time
1. Relinquished By: [signature]	4/23/12	10:00am	1. Received By: [signature]	4/24/12	900
2. Relinquished By			2. Received By		
3. Relinquished By			3. Received By		

Comments

DISTRIBUTION: WHITE - Returned to Client with Report; CANARY - Stays with the Sample; PINK - Field Copy

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TestAmerica Denver

Sample Receiving Checklist

Login #: 28076 Date/Time Received: _____

Company Name & Sampling Site: USGS/EPA

PM/PMA to Complete This Section at Cooler Greet:

Residual chlorine check required: Yes ☐ No ☐ Quarantined: Yes ☐ No ☐

TALS Project #: 7883

Special Instructions: * All Analyses ON HOLD (Eventually we will sub Glycols)

Time Zone: • EDT/EST • CDT/CST • MDT/MST • PDT/PST • OTHER State: WY

PM/PMA to Complete This Section Upon Review:

Matrix/Count: Field QC samples: Client Requested MS/MSD:

Document any problems or discrepancies and the actions taken to resolve them on a Condition Upon Receipt Anomaly Report (CUR)

Unpacking Checks: Initials _____

Temperatures (°C): 2.8 1.2 _____ _____ _____ _____ _____ _____

N/A	Yes	No		
☐	☑	☐	1.	Is radioactivity at or below background? BKG CPM: 12 CPM Reading: 14
☐	☑	☐	2.	Is the cooler's custody seal intact? Do cooler or samples appear to not have been compromised or tampered with?
☐	☑	☐	3.	Were samples received on ice? Is cooler temperature acceptable? Has temperature been recorded?
☐	☑	☐	4.	Is COC present; filled out in ink and legible; and filled out with all pertinent information?
☐	☑	☐	5.	Is the Field Sampler's name present on the COC?
☐	☑	☐	6.	Are there no discrepancies between the sample IDs on the containers and the COC?
☐	☑	☐	7.	Are samples received within Holding Time?
☐	☑	☐	8.	Do sample containers have legible labels?
☐	☑	☐	9.	Are all sample containers intact (not broken or leaking)?
☐	☑	☐	10.	Are appropriate sample containers used? Are sample bottles completely filled? Is sufficient vol. for all requested analyses, incl. any requested MS/MSDs provided?
☐	☑	☐	11.	No splitting or compositing of samples required?
☐	☑	☐	12.	Was Sample Preservation verified and found to be correct?
☐	☑	☐	13.	Do all VOA sample vials have no headspace or bubbles >6 mm (1/4") in diameter?
☐	☑	☐	14.	Were VOA vials labeled as preserved? Preservative: ☑ HCl ☑ 0-6°C ☐ Sodium Thiosulfate ☐ Ascorbic Acid
☐	☑	☐	15.	Are all samples single phase? (i.e., no multiphasic samples are present.)
☐	☑	☐	16.	Was Residual Chlorine checked and noted on the CUR if present?

Login Checks: Initials _____

☑	☐	☐	17.	Were AFCEE metals logged for refrigerated storage?
☑	☐	☐	18.	Was a Priority Form completed for any short holds or quick TATs?
☐	☐	☐	19.	Were any tests logged for subcontract?
☐	☑	☐	20.	Were special archiving instructions and login instructions indicated in the Project Notes?

Note Archive Requirements: 90/180 metals

☑	☐	☐	21.	Were multiple Series logged for this job?

Labeling and Storage Checks: Initials _____

☑	☐	☐	21.	If subcontract work was requested, was volume placed on sub shelf?
☐	☑	☐	22.	Did the sample ID on TA label match the client's sample ID on container?
☐	☑	☐	23.	Were stickers for special archiving instructions affixed to each box?

Verified by: _____

SDG labels applied *(initials):* _____ *Verified by:* _____

☑	☐	☐	25.	Were AFCEE metals stored refrigerated?

FedEx Express **NEW Package US Airbill**

FedEx Tracking Number: 8768 1649 7696 | Form ID No.: 0200 | **FedEx Retrieval Copy**

1 From

Date: 4/23/12 | Sender's FedEx Account Number: 263386094

Sender's Name: Gary Cotrell | Phone: 303 236 3490

Company: USGS Denver Fed Center

Address: Bldg 95 | Dept/Floor/Suite/Room

City: Denver | State | ZIP: 80225

2 Your Internal Billing Reference

3 To

Recipient's Name: Sample Receiving 303-736-0100

Company: TestAmerica

Address: 4955 Yarrow Street | We cannot deliver to P.O. boxes or P.O. ZIP codes. | Suite/Room

Address: Arvada, CO 80002 | Use this line for the HOLD location address or for continuation of your shipping address.

City | State | ZIP

01 ☐ HOLD Weekday — FedEx location address REQUIRED. NOT available for FedEx First Overnight.

31 ☐ HOLD Saturday — FedEx location address REQUIRED. Available ONLY for FedEx Priority Overnight and FedEx 2Day to select locations.

8768 1649 7696

4 Express Package Service * To most locations.

NOTE: Service order has changed. Please select carefully.

Packages up to 150 lbs. For packages over 150 lbs., use the new FedEx Express Freight US Airbill.

Next Business Day

- 06 ☐ FedEx First Overnight — Earliest next business morning delivery to select locations. Friday shipments will be delivered on Monday unless SATURDAY Delivery is selected.
- 01 ☐ FedEx Priority Overnight — Next business morning.* Friday shipments will be delivered on Monday unless SATURDAY Delivery is selected.
- 05 ☒ FedEx Standard Overnight — Next business afternoon.* Saturday Delivery NOT available.

2nd Business Day

- 49 ☐ NEW FedEx 2Day A.M. — Second business morning.* Saturday Delivery NOT available.
- 03 ☐ FedEx 2Day — Second business afternoon.* Thursday shipments will be delivered on Monday unless SATURDAY Delivery is selected.
- 20 ☐ FedEx Express Saver — Third business day.* Saturday Delivery NOT available.

5 Packaging * Declared value limit $500.

06 ☐ FedEx Envelope* 02 ☐ FedEx Pak* 03 ☐ FedEx Box 04 ☐ FedEx Tube 01 ☑ Other

6 Special Handling and Delivery Signature Options

03 ☐ SATURDAY DELIVERY

No Signature Required ☐ — Package may be left without obtaining a signature for delivery.

10 ☐ Direct Signature — Someone at recipient's address may sign for delivery. *Fee applies.*

34 ☐ Indirect Signature — If no one is available at recipient's address, someone at a neighboring address may sign for delivery. For residential deliveries only. *Fee applies.*

Does this shipment contain dangerous goods? One box must be checked.

☒ No 04 ☐ Yes — As per attached Shipper's Declaration. ☐ Yes — Shipper's Declaration not required. 06 ☐ Dry Ice — Dry Ice, 9, UN 1845 ____ x ____ kg

Dangerous goods (including dry ice) cannot be shipped in FedEx packaging or placed in a FedEx Express Drop Box. ☐ Cargo Aircraft Only

7 Payment *Bill to:* Enter FedEx Acct. No. or Credit Card No. below. Obtain recip. Acct. No. ☐

1 ☒ Sender — Acct. No. in Section 1 will be billed. 2 ☐ Recipient 3 ☐ Third Party 4 ☐ Credit Card 5 ☐ Cash/Check

Total Packages | Total Weight ____ lbs. | Credit Card Auth.

†Our liability is limited to $100 unless you declare a higher value. See the current FedEx Service Guide for details.

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FedEx Express **NEW Package US Airbill**

FedEx Tracking Number: 8768 1649 7685 | Form ID No.: 0200 | **FedEx Retrieval Copy**

1 From

Date: 4/23/12 | Sender's FedEx Account Number: 263386094

Sender's Name: Gary Cotrell | Phone: 303 236 3490

Company: USGS Denver Fed Center

Address: Bldg 95 | Dept/Floor/Suite/Room

City: Denver | State | ZIP: 80225

2 Your Internal Billing Reference

3 To

Recipient's Name: Sample Receiving 303-736-0100

Company: TestAmerica

Address: 4955 Yarrow Street | We cannot deliver to P.O. boxes or P.O. ZIP codes. | Suite/Room

Address: Arvada, CO 80002 | Use this line for the HOLD location address or for continuation of your shipping address.

City | State | ZIP

01 ☐ HOLD Weekday — FedEx location address REQUIRED. NOT available for FedEx First Overnight.

31 ☐ HOLD Saturday — FedEx location address REQUIRED. Available ONLY for FedEx Priority Overnight and FedEx 2Day to select locations.

4 Express Package Service * To most locations.

NOTE: Service order has changed. Please select carefully.

Packages up to 150 lbs. For packages over 150 lbs., use the new FedEx Express Freight US Airbill.

Next Business Day

- 06 ☐ FedEx First Overnight — Earliest next business morning delivery to select locations. Friday shipments will be delivered on Monday unless SATURDAY Delivery is selected.
- 01 ☐ FedEx Priority Overnight — Next business morning.* Friday shipments will be delivered on Monday unless SATURDAY Delivery is selected.
- 05 ☒ FedEx Standard Overnight — Next business afternoon.* Saturday Delivery NOT available.

2nd Business Day

- 49 ☐ NEW FedEx 2Day A.M. — Second business morning.* Saturday Delivery NOT available.
- 03 ☐ FedEx 2Day — Second business afternoon.* Thursday shipments will be delivered on Monday unless SATURDAY Delivery is selected.
- 20 ☐ FedEx Express Saver — Third business day.* Saturday Delivery NOT available.

5 Packaging * Declared value limit $500.

06 ☐ FedEx Envelope* 02 ☐ FedEx Pak* 03 ☐ FedEx Box 04 ☐ FedEx Tube 01 ☑ Other

6 Special Handling and Delivery Signature Options

03 ☐ SATURDAY DELIVERY

No Signature Required ☐ — Package may be left without obtaining a signature for delivery.

10 ☐ Direct Signature — Someone at recipient's address may sign for delivery. *Fee applies.*

34 ☐ Indirect Signature — If no one is available at recipient's address, someone at a neighboring address may sign for delivery. For residential deliveries only. *Fee applies.*

Does this shipment contain dangerous goods? One box must be checked.

☒ No 04 ☐ Yes — As per attached Shipper's Declaration. ☐ Yes — Shipper's Declaration not required. 06 ☐ Dry Ice — Dry Ice, 9, UN 1845 ____ x ____ kg

Dangerous goods (including dry ice) cannot be shipped in FedEx packaging or placed in a FedEx Express Drop Box. ☐ Cargo Aircraft Only

7 Payment *Bill to:* Enter FedEx Acct. No. or Credit Card No. below. Obtain recip. Acct. No. ☐

1 ☒ Sender — Acct. No. in Section 1 will be billed. 2 ☐ Recipient 3 ☐ Third Party 4 ☐ Credit Card 5 ☐ Cash/Check

Total Packages | Total Weight ____ lbs. | Credit Card Auth.

†Our liability is limited to $100 unless you declare a higher value. See the current FedEx Service Guide for details.

612

Login Sample Receipt Checklist

Client: U.S. Geological Survey

Job Number: 280-28076-1

Login Number: 28076

List Source: TestAmerica Denver

List Number: 1

Creator: Cofoid, Stephen T

Question	Answer	Comment
Radioactivity either was not measured or, if measured, is at or below background	True	
The cooler's custody seal, if present, is intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the sample IDs on the containers and the COC.	True	
Samples are received within Holding Time.	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
VOA sample vials do not have headspace or bubble is <6mm (1/4") in diameter.	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

Login Sample Receipt Checklist

Client: U.S. Geological Survey

Job Number: 280-28076-1

Login Number: 28076
List Number: 1
Creator: Watson, Debbie

List Source: TestAmerica Pittsburgh
List Creation: 04/27/12 11:20 AM

Question	Answer	Comment
Radioactivity either was not measured or, if measured, is at or below background	N/A	
The cooler's custody seal, if present, is intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the sample IDs on the containers and the COC.	True	
Samples are received within Holding Time.	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
VOA sample vials do not have headspace or bubble is <6mm (1/4") in diameter.	True	
Multiphasic samples are not present.	N/A	
Samples do not require splitting or compositing.	N/A	
Residual Chlorine Checked.	N/A	

Subcontract Data

Supporting Documentation

Work Order Number AVE 0007 / 280-28076-1

(Note: A one-page "Description of Supporting Documentation" is provided at the beginning of each section.)	Check below when supporting documentation is present.
MS/GC Volatile	
MS/GC Semivolatile	
GC Volatile	
GC Semivolatile	✓
Metals	
General Chemistry	

Sample Summary

Client: TestAmerica Denver
Project/Site: 280-28076-1

TestAmerica Job ID: AVE0007

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
AVE0007-01	MW02 (280-28076-1)	Water	04/22/12 15:45	04/28/12 08:30

GC SEMIVOLATILES

ORGANICS

CLP-Like Forms I - VIII

(Applicable forms included according to Method.)

TestAmerica Austin
SDG: AVE0007
CLASS: GC
METHOD: 8015B

ANALYSES DATA PACKAGE COVER PAGE

8015B

Laboratory:	TestAmerica Austin	SDG:	AVE0007
Client:	TestAmerica Denver	Project:	USGS

Client Sample Id:	Lab Sample Id:
MW02 (280-28076-1)	AVE0007-01

Form 1
ORGANIC ANALYSIS DATA SHEET
8015B

MW02 (280-28076-1)

Laboratory:	TestAmerica Austin			SDG:	AVE0007
Client:	TestAmerica Denver			Project:	USGS
Matrix:	Water	Laboratory ID:	AVE0007-01	File ID:	K-A0015-0
Sampled:	04/22/12 15:45	Prepared:	05/03/12 15:38	Analyzed:	05/03/12 23:29
Solids:		Preparation:	Direct Injection- GC	Initial/Final:	1 mL / 1 mL
Batch:	12E0053	Sequence:	V000294	Calibration:	A12D006
Instrument:	GC11A				

CAS NO.	COMPOUND	DILUTION	CONC. (mg/L)	Q
111-46-6	Diethylene glycol	1	25.0	U
107-21-1	Ethylene Glycol	1	25.0	U
57-55-6	Propylene glycol	1	25.0	U
112-27-6	Triethylene Glycol	1	25.0	U

SYSTEM MONITORING COMPOUND	ADDED (mg/L)	CONC (mg/L)	% REC	QC LIMITS	Q
Propargyl alcohol	100.0	104	104	70 - 130	

Form 2
SURROGATE STANDARD RECOVERY AND RT SUMMARY
8015B

Laboratory:	TestAmerica Austin	SDG:	AVE0007
Client:	TestAmerica Denver	Project:	USGS
Sequence:	V000294	Instrument:	GC11A
Matrix:	Water	Calibration:	A12D006

Surrogate Compound	Spike Level mg/L	% Recovery	Recovery Limits	RT	Calibration Mean RT	RT Diff	RT Diff Limit	Q
Blank (12E0053-BLK1)			Lab File ID: K-A0006-0		Analyzed: 05/03/12 19:01			
Propargyl alcohol	100.0	82	70 - 130	4.989	5.3748	-0.3858	+/-1.0	
LCS (12E0053-BS1)			Lab File ID: K-A0002-0		Analyzed: 05/03/12 17:01			
Propargyl alcohol	100.0	102	70 - 130	4.993	5.3748	-0.3818	+/-1.0	
Matrix Spike (12E0053-MS1)			Lab File ID: K-A0003-0		Analyzed: 05/03/12 17:31			
Propargyl alcohol	100.0	101	70 - 130	4.99	5.3748	-0.3848	+/-1.0	
Matrix Spike Dup (12E0053-MSD1)			Lab File ID: K-A0004-0		Analyzed: 05/03/12 18:01			
Propargyl alcohol	100.0	104	70 - 130	4.988	5.3748	-0.3868	+/-1.0	
MW02 (280-28076-1) (AVE0007-01)			Lab File ID: K-A0015-0		Analyzed: 05/03/12 23:29			
Propargyl alcohol	100.0	104	70 - 130	4.988	5.3748	-0.3868	+/-1.0	

* Values outside of QC limits

Form 3

LCS / LCS DUPLICATE RECOVERY

8015B

Laboratory:	TestAmerica Austin	SDG:	AVE0007
Client:	TestAmerica Denver	Project:	USGS
Matrix:	Water	Spike standard:	AV01000 AU02642
Batch:	12E0053	Laboratory ID:	12E0053-BS1
Preparation:	Direct Injection- GC	Initial/Final:	1 mL / 1 mL

COMPOUND	SPIKE ADDED	UNITS	LCS CONCENTRATION	LCS % REC. #	QCLIMITS REC.
Diethylene glycol	400.0	mg/L	414	104	87 - 119
Ethylene Glycol	400.0	mg/L	407	102	86 - 116
Propylene glycol	400.0	mg/L	377	94	90 - 124
Triethylene Glycol	400.0	mg/L	422	106	80 - 122

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

Matrix Spike 10/109

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY

8015B

Laboratory:	TestAmerica Austin	SDG:	AVE0007
Client:	TestAmerica Denver	Project:	USGS
Matrix:	Water	Spike standard:	AV01000 AU02642
Batch:	12E0053	Laboratory ID:	12E0053-MS1
Preparation:	Direct Injection- GC	Initial/Final:	1 mL / 1 mL

Source Sample Name: Matrix Spike

COMPOUND	SPIKE ADDED	UNITS	SAMPLE CONCENTRATION	MS CONCENTRATION	MS % REC. #	QC LIMITS REC.
Diethylene glycol	400.0	mg/L	ND	407	102	87 - 119
Ethylene Glycol	400.0	mg/L	ND	398	100	86 - 116
Propylene glycol	400.0	mg/L	ND	373	93	90 - 124
Triethylene Glycol	400.0	mg/L	ND	414	104	80 - 122

COMPOUND	SPIKE ADDED	UNITS	MSD CONCENTRATION	MSD % REC. #	% RPD #	QC LIMITS RPD	QC LIMITS REC.
Diethylene glycol	400.0	mg/L	418	104	3	20	87 - 119
Ethylene Glycol	400.0	mg/L	405	101	2	20	86 - 116
Propylene glycol	400.0	mg/L	372	93	0.2	20	90 - 124
Triethylene Glycol	400.0	mg/L	424	106	2	20	80 - 122

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

Form 4

METHOD BLANK SUMMARY

Form 4 information can be found on Form 8.

PREPARATION BATCH SUMMARY

8015B

Laboratory: TestAmerica Austin SDG: AVE0007

Client: TestAmerica Denver Project: USGS

Batch: 12E0053 Batch Matrix: Water Preparation: Direct Injection- GC

SAMPLE NAME	LAB SAMPLE ID	INITIAL	FINAL	DATE PREPARED	TOT/DIS
Blank	12E0053-BLK1	1.00 mL	1.00 mL	05/03/12 15:38	N/A
LCS	12E0053-BS1	1.00 mL	1.00 mL	05/03/12 15:38	N/A
Matrix Spike	12E0053-MS1	1.00 mL	1.00 mL	05/03/12 15:38	N/A
Matrix Spike Dup	12E0053-MSD1	1.00 mL	1.00 mL	05/03/12 15:38	N/A
MW02 (280-28076-1)	AVE0007-01	1.00 mL	1.00 mL	05/03/12 15:38	N/A

Form 6

INITIAL CALIBRATION DATA

8015B

Laboratory: TestAmerica Austin
Client: TestAmerica Denver
Calibration: A12D006
SDG: AVE0007
Project: USGS
Instrument: GC11A
Calibration Date: 03/27/12 14:49

Compound	Level 01		Level 02		Level 03		Level 04		Level 05		Level 06	
	mg/L	CF	mg/L	CF	mg/L	CF	mg/L	CF	mg/L	CF	mg/L	CF
1,4-Dioxane	4.975	1779.266	24.88	1741.18	49.75	1793.421	99.5	1796.729	248.8	1886.316		
2-Chloroethanol	5	1007.476	25	950.552	50	978.88	100	956.6721	250	948.576		
2-Ethoxyethanol	4.95	1589.495	24.75	1771.372	49.5	1867.319	99	1788.485	247.5	1722.631		
Butyl Carbitol	5	2478.48	25	2317.728	50	2428.56	100	2346.456	250	2311.336		
Diethylene glycol	20	1396.68	100	1332.356	200	1430.06	400	1385.469	1000	1372.358		
Ethanol	4.965	2439.881	24.82	2245.448	49.65	2392.286	99.3	2331.972	248.2	2514.589		
Ethylene Glycol	20	1260.38	100	1271.448	200	1395.92	400	1358.362	1000	1346.212		
Ethylene Glycol Monomethyl I	4.975	1124.895	24.88	1275.53	49.75	1446.106	99.5	1491.707	248.8	1374.048		
Isobutanol											5	3403.76
Isopropyl alcohol											5	2286.4
Methanol	4.975	1341.908	24.88	1300.868	49.75	1373.873	99.5	1336.957	248.8	1102.105		
n-Butanol	4.975	3474.947	24.88	3132.312	49.75	3253.182	99.5	3112.981	248.8	3069.968		
Propanol	4.975	2574.02	24.88	2542.325	49.75	2759.697	99.5	2653.715	248.8	2516.373		
Propargyl alcohol	5	3352.044	25	3166.408	50	3310.16	100	3217.216	250	3180.384		
Propylene glycol											20	1462.8
Triethylene Glycol	20	1411.86	100	1342.236	200	1418.078	400	1391.849	1000	1377.474		

Form 6

INITIAL CALIBRATION DATA (Continued)

8015B

Laboratory: TestAmerica Austin
Client: TestAmerica Denver
Calibration: A12D006

SDG: AVE0007
Project: USGS
Instrument: GC11A
Calibration Date: 03/27/12 14:49

Compound	Level 07		Level 08		Level 09		Level 10		Level 11		Level 12	
	mg/L	CF	mg/L	CF	mg/L	CF	mg/L	CF	mg/L	CF	mg/L	CF
di-propylene glycol									9.95	1296.603	49.75	1404.76
Ethylene glycol monobutyl eth									5	1702.48	25	1583.248
Isobutanol	25	3245.44	50	3591.808	100	3308.56	250	3286.083				
Isopropyl alcohol	25	2186.064	50	2416.12	100	2226.068	250	2193.878				
Propyl cellosolve									4.975	1436.945	24.88	1308.071
Propylene glycol	100	1480.744	200	1758.656	400	1624.298	1000	1632.571				

Form 6

INITIAL CALIBRATION DATA (Continued)

8015B

Laboratory: TestAmerica Austin
Client: TestAmerica Denver
Calibration: A12D006

SDG: AVE0007
Project: USGS
Instrument: GC11A
Calibration Date: 03/27/12 14:49

Compound	Level 13		Level 14		Level 15		Level 16		Level 17		Level 18	
	mg/L	CF	mg/L	CF	mg/L	CF	mg/L	CF	mg/L	CF	mg/L	CF
di-propylene glycol	99.5	1521.267	199	1455.803	497.5	1469.207						
Ethylene glycol monobutyl eth	50	1703.792	100	1639.752	250	1653.894						
Propyl cellosolve	49.75	1419.578	99.5	1354.657	248.8	1379.243						

Form 6

INITIAL CALIBRATION DATA (Continued)

8015B

Laboratory: TestAmerica Austin
SDG: AVE0007
Client: TestAmerica Denver
Project: USGS
Calibration: A12D006
Instrument: GC11A
Calibration Date: 03/27/12 14:49

Compound	Mean CF	CF RSD	Mean RT	RT RSD	r^2 or COD	LIMIT	Q
1,4-Dioxane	1799.382	2.965855	1.6118	0.2415531	0.999642	0.995	
2-Chloroethanol	968.4312	2.574175	5.574	0.1289179	0.999957	0.995	
2-Ethoxyethanol	1747.86	5.875783	4.217	0.2109792	0.9995147	0.995	
Butyl Carbitol	2376.512	3.100225	9.362	2.781355E-02	0.9998811	0.995	
Diethylene glycol	1383.385	2.577399	10.8324	5.152376E-02	0.9998787	0.995	
di-propylene glycol	1429.528	5.952539	9.723	1.701647E-02	0.999862	0.995	
Ethanol	2384.835	4.304126	0.8992	0.4475186		20	
Ethylene Glycol	1326.464	4.399975	7.9826	0.1053536	0.9998465	0.995	
Ethylene glycol monobutyl ether	1656.633	3.018737	5.7776	3.556641E-02	0.9998926	0.995	
Ethylene Glycol Monomethyl Ether	1342.457	10.91158	3.9324	0.3024442	0.9982458	0.995	
Isobutanol	3367.13	4.110628	2.0926	0.1371554	0.9995778	0.995	
Isopropyl alcohol	2261.706	4.197216	0.8658	0.2988698	0.9995246	0.995	
Methanol	1291.142	8.426672	0.7874	0.557899		20	
n-Butanol	3208.678	5.099861	2.9832	0.1791153	0.9998793	0.995	
Propanol	2609.226	3.782288	1.4546	0.3530009	0.9992174	0.995	
Propargyl alcohol	3245.242	2.523573	5.3748	0.1338761	0.999917	0.995	
Propyl cellosolve	1379.699	3.735563	4.8294	7.310065E-02	0.9998286	0.995	
Propylene glycol	1591.814	7.664065	7.68	9.624333E-02	0.9994646	0.995	
Triethylene Glycol	1388.299	2.188798	13.3206	2.842797E-02	0.9999255	0.995	

Form 7

CONTINUING CALIBRATION CHECK

8015B

Laboratory:	TestAmerica Austin	SDG:	AVE0007
Client:	TestAmerica Denver	Project:	USGS
Instrument ID:	GC11A	Calibration:	A12D006
Lab File ID:	K-A0001-0	Calibration Date:	03/27/12 14:49
Sequence:	V000294	Injection Date:	05/03/12
Lab Sample ID:	V000294-CCV1	Injection Time:	16:31

COMPOUND	TYPE	CONC. (mg/L)		CALIBRATION FACTOR			% DIFF / DRIFT	
		STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
Diethylene glycol	L	400.0	408	1383.385	1406.452		2.0	15
Ethylene Glycol	L	400.0	403	1326.464	1359.324		0.7	15
Propargyl alcohol	L	100.0	101	3245.242	3239.695		1.2	15
Propylene glycol	L	400.0	375	1591.814	1533.288		-6.2	15
Triethylene Glycol	L	400.0	415	1388.299	1435.965		3.9	15

Column to be used to flag Response Factor and %Diff/Drift values with an asterisk

* Values outside of QC limits

Calibration Type Legend:

A: Average RF
L: Linear through Intercept
Q: Quadratic
L0: Linear forced through Zero
L1: 1/x Weighted Linear through Intercept
L2: 1/x2 Weighted Linear through Intercept
L01: 1/x Weighted Linear forced through Zero
L02: 1/x2 Weighted Linear forced through Zero

Form 7

CONTINUING CALIBRATION CHECK

8015B

Laboratory:	TestAmerica Austin	SDG:	AVE0007
Client:	TestAmerica Denver	Project:	USGS
Instrument ID:	GC11A	Calibration:	A12D006
Lab File ID:	K-A0016-0	Calibration Date:	03/27/12 14:49
Sequence:	V000294	Injection Date:	05/03/12
Lab Sample ID:	V000294-CCV2	Injection Time:	23:58

		CONC. (mg/L)		CALIBRATION FACTOR			% DIFF / DRIFT	
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
Diethylene glycol	L	400.0	419	1383.385	1442.396		4.6	15
Ethylene Glycol	L	400.0	405	1326.464	1364.978		1.2	15
Propargyl alcohol	L	100.0	104	3245.242	3312.767		3.5	15
Propylene glycol	L	400.0	357	1591.814	1458.25		-10.8	15
Triethylene Glycol	L	400.0	411	1388.299	1420.386		2.7	15

Column to be used to flag Response Factor and %Diff/Drift values with an asterisk

* Values outside of QC limits

Calibration Type Legend:

A: Average RF
L: Linear through Intercept
Q: Quadratic
L0: Linear forced through Zero
L1: 1/x Weighted Linear through Intercept
L2: 1/x2 Weighted Linear through Intercept
L01: 1/x Weighted Linear forced through Zero
L02: 1/x2 Weighted Linear forced through Zero

Form 8

ANALYSIS BATCH (SEQUENCE) SUMMARY

8015B

Laboratory:	TestAmerica Austin	SDG:	AVE0007
Client:	TestAmerica Denver	Project:	USGS
Sequence:	V000294	Instrument:	GC11A
		Calibration:	A12D006

Sample Name	Lab Sample ID	Lab File ID	Analysis Date/Time
Calibration Check	V000294-CCV1	K-A0001-0	05/03/12 16:31
LCS	12E0053-BS1	K-A0002-0	05/03/12 17:01
Matrix Spike	12E0053-MS1	K-A0003-0	05/03/12 17:31
Matrix Spike Dup	12E0053-MSD1	K-A0004-0	05/03/12 18:01
Blank	12E0053-BLK1	K-A0006-0	05/03/12 19:01
MW02 (280-28076-1)	AVE0007-01	K-A0015-0	05/03/12 23:29
Calibration Check	V000294-CCV2	K-A0016-0	05/03/12 23:58

SUPPORTING DOCUMENTATION DESCRIPTION PAGE

QC & Sample Data

Calibration Data

Method: 8015 B

Associated Samples: - / -

Batch Number: 12E0053

TotalChrom Method File \\aussvr05\tcdata\CHROM\GC11\2012\1203\GCL-GLYCOL-ALC-032712 Mix A.mth
Printed by : SML on: 3/29/2012 1:21:31 PM
Created by : SML on: 3/28/2012 4:09:17 PM
Edited by : SML on: 3/29/2012 11:13:58 AM
Number of Times Edited : 2
Number of Times Calibrated : 201
Description:

Instrument Conditions

Capillary GC -
Instrument : GCL
Column : STABILWAX-D
Carrier Gas : H2
Injection Temp.: 260 C
Detector 1 : FID 265 C
Temp. Program : 40 C - 210 C at 12.5 C/min. IH= 2 min FH= 0 min.
210-245 at 20 C/min. FH = 6 min. Run time = 23.05 min.
Range: Det A = 1

Instrument Control Method

Instrument Name : GC11 ✓
Instrument Type : 900 Series Intelligent Interface

Interface Parameters

Delay Time : 0.00 min
Run Time : 23.35 min
Sampling Rate : 2.5000 pts/s
Interface Type : 900 Series Intelligent Interface
Analog Voltage Input : 2000 mV
Data will be collected from channel A

Timed Events

There are no timed events in the method ✓

Real Time Plot Parameters

	Pages	Offset (mV)	Scale (mV)
Channel A	1	15.000	200.000

Processing Parameters

Bunch Factor : 2 points
Noise Threshold : 1 µV
Area Threshold : 1000.00 µV

BJD 4/2/12 BJD 4/2/12

Peak Separation Criteria

Width Ratio : 0.200
Valley-to-Peak Ratio : 0.010

Exponential Skim Criteria

Peak Height Ratio : 5.000
Adjusted Height Ratio : 4.000
Valley Height Ratio : 3.000

Baseline Timed Events

Event #1 - Disable Peak Detection at 14.349

Optional Reports

No report format files given

Optional Report Plot Parameters

Plot Number	1	2	3	4	5
Generate this plot	No	No	No	No	No
Start plot at end of delay time	Yes	Yes	Yes	Yes	Yes
Start Time					
End Time					
Scale Type	Vertical Scaling	Vertical Scaling	Vertical Scaling	Vertical Scaling	Vertical Scaling
Scale Factor	1.000	1.000	1.000	1.000	1.000
Full Scale					
Offset					

Annotated Replot Parameters

Offset & Scale set to absolute values
Draw baselines
Include timed event annotations

Automatically set plot start and end times to data limits

Plot Offset : 0.000 µV
Plot Scale : 200.000 µV
Number of Pages : 1
Plot Title : Chromatogram
X-Axis Label : Time [min]
Y-Axis Label : Response [mV]
Orientation : Landscape
Retention Labels : Peak Crests
Component Labels : Actual Time

User Programs

User Program #1 : C:\TC6_Read.exe
Command Line : $RST
Entry Point : Annotated Replot Generation
Synchronize : No

Global Sample Information

Default Sample Volume : 1.000 ml
Quantitation Units : ug/ml
Void Time : 0.000 min
Correct amounts during calibration : No
Convert unknowns to concentration units : Yes
Reject outliers during calibration : No

An External Standard calibration will be used
Unknown peaks will be quantitated using a response factor of 1.000000e+06
First peak will be relative retention reference

Component Information

Methanol *|67-56-1
Component Type : Single Peak Component
Retention Time : 0.788 min
Search Window : 0.00 s, 3.00 %
Reference Component : Propargyl Alcohol *|107-19-7
Find peak closest to expected RT in window
Use Average Calibration Factor (Area / Amount)
Component standard purity percentage : 100.0000%

User Values
Label :
Value 1 : 50.000000
Value 2 : 100.000000
Value 3 : 0.000000
Value 4 : 0.000000
Value 5 : 0.000000

Calibration Level

Level Name	Amount	Area	Height	ISTD Amt.	ISTD Resp.	# Replicates
A1	5.0000	6675.99	2084.55	----------	----------	1
A2	25.0000	32365.59	10159.67	----------	----------	1
A3	50.0000	68350.19	29641.73	----------	----------	1
A4	100.0000	133027.20	50759.66	----------	----------	1
A5	250.0000	274203.78	92063.87	----------	----------	1

Average Calibration Factor = 1284.782357 (%RSD = 8.42)

Ethanol *|64-17-5
Component Type : Single Peak Component
Retention Time : 0.899 min
Search Window : 0.00 s, 3.00 %
Reference Component : Propargyl Alcohol *|107-19-7
Find peak closest to expected RT in window
Use Average Calibration Factor (Area / Amount)
Component standard purity percentage : 100.0000%

User Values
Label :
Value 1 : 50.000000
Value 2 : 100.000000
Value 3 : 0.000000
Value 4 : 0.000000
Value 5 : 0.000000

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Calibration Level

Level Name	Amount	Area	Height	ISTD Amt.	ISTD Resp.	# Replicates
A1	5.0000	12114.01	3714.67	----------	----------	1
A2	25.0000	55732.01	18733.81	----------	----------	1
A3	50.0000	118777.01	52196.86	----------	----------	1
A4	100.0000	231564.80	92481.39	----------	----------	1
A5	250.0000	624121.02	193227.88	----------	----------	1

Average Calibration Factor = 2367.951083 (%RSD = 4.30)

n-Propanol *|71-23-8
Component Type : Single Peak Component
Retention Time : 1.455 min
Search Window : 0.00 s, 3.00 %
Reference Component : Propargyl Alcohol *|107-19-7
Find peak closest to expected RT in window
Calibrating Area versus Amount using a 1st Order Fit
Curve will ignore the origin
Amounts will not be scaled prior to the regression
Weighting factor for the regression: 1
Component standard purity percentage: 100.0000%

User Values
Label :
Value 1 : 50.000000
Value 2 : 100.000000
Value 3 : 0.000000
Value 4 : 0.000000
Value 5 : 0.000000

Calibration Level

Level Name	Amount	Area	Height	ISTD Amt.	ISTD Resp.	# Replicates
A1	5.0000	12805.75	3309.51	----------	----------	1
A2	25.0000	63253.05	16793.34	----------	----------	1
A3	50.0000	137294.91	47796.16	----------	----------	1
A4	100.0000	264044.70	85042.61	----------	----------	1
A5	250.0000	626073.48	184043.08	----------	----------	1

Calibration Curve : y = (6007.158310) + (2496.363021)x + (0.000000)x^2 + (0.000000)x^3
R-squared : 0.999222

1,4-Dioxane *|123-91-1
Component Type : Single Peak Component
Retention Time : 1.612 min
Search Window : 0.00 s, 3.00 %
Reference Component : Propargyl Alcohol *|107-19-7
Find peak closest to expected RT in window
Calibrating Area versus Amount using a 1st Order Fit
Curve will ignore the origin
Amounts will not be scaled prior to the regression
Weighting factor for the regression: 1
Component standard purity percentage : 100.0000%

User Values
Label :
Value 1 : 50.000000
Value 2 : 100.000000
Value 3 : 0.000000
Value 4 : 0.000000
Value 5 : 0.000000

Calibration Level

Level Name	Amount	Area	Height	ISTD Amt.	ISTD Resp.	# Replicates
A1	5.0000	8851.85	1670.91	----------	----------	1
A2	25.0000	43320.55	8457.52	----------	----------	1
A3	50.0000	89222.69	20672.55	----------	----------	1
A4	100.0000	178774.50	36881.92	----------	----------	1
A5	250.0000	469315.32	82656.90	----------	----------	1

Calibration Curve : y = (-4226.440027) + (1885.156068)x + (0.000000)x^2 + (0.000000)x^3
R-squared : 0.999639

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n-Butanol *|71-36-3
Component Type : Single Peak Component
Retention Time : 2.983 min
Search Window : 0.00 s, 3.00 %
Reference Component : Propargyl Alcohol *|107-19-7
Find largest peak in window
Calibrating Area versus Amount using a 1st Order Fit
Curve will ignore the origin
Amounts will not be scaled prior to the regression
Weighting factor for the regression: 1
Component standard purity percentage : 100.0000%

User Values
Label :
Value 1 : 50.000000
Value 2 : 100.000000
Value 3 : 0.000000
Value 4 : 0.000000
Value 5 : 0.000000

Calibration Level

Level Name	Amount	Area	Height	ISTD Amt.	ISTD Resp.	# Replicates
A1	5.0000	17287.86	3900.08			1
A2	25.0000	77931.93	19703.85			1
A3	50.0000	161845.85	44575.13			1
A4	100.0000	309741.60	79983.66			1
A5	250.0000	763808.00	187951.26			1

Calibration Curve : y = (4541.871305) + (3041.641577)x + (0.000000)x^2 + (0.000000)x^3
R-squared : 0.999881

2-Methoxyethanol *|109-86-4
Component Type : Single Peak Component
Retention Time : 3.933 min
Search Window : 0.00 s, 2.00 %
Reference Component : Propargyl Alcohol *|107-19-7
Find peak closest to expected RT in window
Calibrating Area versus Amount using a 1st Order Fit
Curve will ignore the origin
Amounts will not be scaled prior to the regression
Weighting factor for the regression: 1
Component standard purity percentage : 100.0000%

User Values
Label :
Value 1 : 50.000000
Value 2 : 100.000000
Value 3 : 0.000000
Value 4 : 0.000000
Value 5 : 0.000000

Calibration Level

Level Name	Amount	Area	Height	ISTD Amt.	ISTD Resp.	# Replicates
A1	5.0000	5596.35	2095.00			1
A2	25.0000	31735.18	13611.24			1
A3	50.0000	71943.80	31870.12			1
A4	100.0000	148424.78	66332.25			1
A5	250.0000	341863.20	176841.28			1

Calibration Curve : y = (1677.927061) + (1374.822473)x + (0.000000)x^2 + (0.000000)x^3
R-squared : 0.998253

2-Ethoxyethanol *|110-80-5
Component Type : Single Peak Component
Retention Time : 4.217 min
Search Window : 0.00 s, 3.00 %
Reference Component : Propargyl Alcohol *|107-19-7
Find peak closest to expected RT in window
Calibrating Area versus Amount using a 1st Order Fit
Curve will ignore the origin
Amounts will not be scaled prior to the regression
Weighting factor for the regression: 1
Component standard purity percentage : 100.0000%

User Values
Label :
Value 1 : 50.000000
Value 2 : 100.000000
Value 3 : 0.000000
Value 4 : 0.000000
Value 5 : 0.000000

Calibration Level

Level Name	Amount	Area	Height	ISTD Amt.	ISTD Resp.	# Replicates
A1	5.0000	7868.00	1929.95	----------	----------	1
A2	25.0000	43841.45	10639.49	----------	----------	1
A3	50.0000	92432.27	23481.17	----------	----------	1
A4	100.0000	177060.02	48019.57	----------	----------	1
A5	250.0000	426351.20	132657.03	----------	----------	1

Calibration Curve : y = (3261.130014) + (1700.575097)x + (0.000000)x^2 + (0.000000)x^3
R-squared : 0.999515

Propargyl Alcohol *|107-19-7
Component Type : Single Peak Component
Retention Time : 5.375 min
Search Window : 0.00 s, 1.00 %
This component is a reference
Find peak closest to expected RT in window
Calibrating Area versus Amount using a 1st Order Fit
Curve will ignore the origin
Amounts will not be scaled prior to the regression
Weighting factor for the regression: 1
Component standard purity percentage : 100.0000%

User Values
Label :
Value 1 : 50.000000
Value 2 : 100.000000
Value 3 : 100.000000
Value 4 : 0.000000
Value 5 : 0.000000

Calibration Level

Level Name	Amount	Area	Height	ISTD Amt.	ISTD Resp.	# Replicates
A1	5.0000	16760.22	7794.86	----------	----------	1
A2	25.0000	79160.20	39216.15	----------	----------	1
A3	50.0000	165508.00	79946.65	----------	----------	1
A4	100.0000	321721.60	156488.65	----------	----------	1
A5	250.0000	795096.00	367918.57	----------	----------	1

Calibration Curve : y = (2648.224828) + (3174.429999)x + (0.000000)x^2 + (0.000000)x^3
R-squared : 0.999917

2-Chloroethanol *|107-07-3
Component Type : Single Peak Component
Retention Time : 5.574 min
Search Window : 0.00 s, 2.20 %
Reference Component : Propargyl Alcohol *|107-19-7
Find largest peak in window
Calibrating Area versus Amount using a 1st Order Fit
Curve will ignore the origin
Amounts will not be scaled prior to the regression
Weighting factor for the regression: 1
Component standard purity percentage : 100.0000%

User Values
Label :
Value 1 : 50.000000
Value 2 : 100.000000
Value 3 : 0.000000
Value 4 : 0.000000
Value 5 : 0.000000

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Calibration Level

Level Name	Amount	Area	Height	ISTD Amt.	ISTD Resp.	# Replicates
A1	5.0000	5037.38	1963.89	----------	----------	1
A2	25.0000	23763.80	10250.84	----------	----------	1
A3	50.0000	48944.00	21045.35	----------	----------	1
A4	100.0000	95667.20	41891.31	----------	----------	1
A5	250.0000	237144.00	99370.36	----------	----------	1

Calibration Curve : y = (689.594256) + (946.763732)x + (0.000000)x^2 + (0.000000)x^3
R-squared : 0.999957

Ethylene Glycol *|107-21-1
Component Type : Single Peak Component
Retention Time : 7.983 min
Search Window : 3.00 s, 0.00 %
Reference Component : Propargyl Alcohol *|107-19-7
Find peak closest to expected RT in window
Calibrating Area versus Amount using a 1st Order Fit
Curve will ignore the origin
Amounts will not be scaled prior to the regression
Weighting factor for the regression: 1
Component standard purity percentage : 100.0000%

User Values
Label :
Value 1 : 200.000000
Value 2 : 400.000000
Value 3 : 0.000000
Value 4 : 0.000000
Value 5 : 0.000000

Calibration Level

Level Name	Amount	Area	Height	ISTD Amt.	ISTD Resp.	# Replicates
A1	20.0000	25207.60	8382.08	----------	----------	1
A2	100.0000	127144.80	54378.12	----------	----------	1
A3	200.0000	279184.00	125042.17	----------	----------	1
A4	400.0000	543344.80	254944.88	----------	----------	1
A5	1000.0000	1346212.00	612931.90	----------	----------	1

Calibration Curve : y = (442.850996) + (1348.185433)x + (0.000000)x^2 + (0.000000)x^3
R-squared : 0.999847

Diethylene Gly. BE *|112-34-5
Component Type : Single Peak Component
Retention Time : 9.362 min
Search Window : 3.00 s, 0.00 %
Reference Component : Propargyl Alcohol *|107-19-7
Find largest peak in window
Calibrating Area versus Amount using a 1st Order Fit
Curve will ignore the origin
Amounts will not be scaled prior to the regression
Weighting factor for the regression: 1
Component standard purity percentage : 100.0000%

User Values
Label :
Value 1 : 50.000000
Value 2 : 100.000000
Value 3 : 0.000000
Value 4 : 0.000000
Value 5 : 0.000000

Calibration Level

Level Name	Amount	Area	Height	ISTD Amt.	ISTD Resp.	# Replicates
A1	5.0000	12392.40	4907.70	----------	----------	1
A2	25.0000	57943.20	23499.27	----------	----------	1
A3	50.0000	121428.00	48586.32	----------	----------	1
A4	100.0000	234645.60	93656.86	----------	----------	1
A5	250.0000	577834.00	231934.46	----------	----------	1

Calibration Curve : y = (2605.881665) + (2305.148353)x + (0.000000)x^2 + (0.000000)x^3
R-squared : 0.999881

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Diethylene Glycol *|Q763
Component Type : Single Peak Component
Retention Time : 10.832 min
Search Window : 3.00 s, 0.00 %
Reference Component : Propargyl Alcohol *|107-19-7
Find largest peak in window
Calibrating Area versus Amount using a 1st Order Fit
Curve will ignore the origin
Amounts will not be scaled prior to the regression
Weighting factor for the regression: 1
Component standard purity percentage : 100.0000%

User Values
Label :
Value 1 : 200.000000
Value 2 : 400.000000
Value 3 : 0.000000
Value 4 : 0.000000
Value 5 : 0.000000

Calibration Level

Level Name	Amount	Area	Height	ISTD Amt.	ISTD Resp.	# Replicates
A1	20.0000	27933.60	11759.14	----------	----------	1
A2	100.0000	133235.60	59735.33	----------	----------	1
A3	200.0000	286012.00	127724.70	----------	----------	1
A4	400.0000	554187.60	246688.06	----------	----------	1
A5	1000.0000	1372358.00	575544.99	----------	----------	1

Calibration Curve : y = (2959.827670) + (1371.469571)x + (0.000000)x^2 + (0.000000)x^3
R-squared : 0.999879

Triethylene Glycol *|112-27-6
Component Type : Single Peak Component
Retention Time : 13.321 min
Search Window : 3.00 s, 0.00 %
Reference Component : Propargyl Alcohol *|107-19-7
Find largest peak in window
Calibrating Area versus Amount using a 1st Order Fit
Curve will ignore the origin
Amounts will not be scaled prior to the regression
Weighting factor for the regression: 1
Component standard purity percentage : 100.0000%

User Values
Label :
Value 1 : 200.000000
Value 2 : 400.000000
Value 3 : 0.000000
Value 4 : 0.000000
Value 5 : 0.000000

Calibration Level

Level Name	Amount	Area	Height	ISTD Amt.	ISTD Resp.	# Replicates
A1	20.0000	28237.20	10185.89	----------	----------	1
A2	100.0000	134223.60	50623.79	----------	----------	1
A3	200.0000	283615.60	108268.56	----------	----------	1
A4	400.0000	556739.60	213431.58	----------	----------	1
A5	1000.0000	1377474.40	521736.89	----------	----------	1

Calibration Curve : y = (2323.862839) + (1377.134352)x + (0.000000)x^2 + (0.000000)x^3
R-squared : 0.999925

UPRT
Component Type : Single Peak Component
Retention Time : 21.000 min
Search Window : 0.00 s, 0.01 %
Reference Component :
Find peak closest to expected RT in window
Use Average Calibration Factor (Area / Amount)
Component standard purity percentage : 100.0000%

User Values
Label :
Value 1 : 0.000000
Value 2 : 0.000000
Value 3 : 0.000000
Value 4 : 0.000000
Value 5 : 0.000000

Calibration Level

Level Name	Amount	Area	Height	ISTD Amt.	ISTD Resp.	# Replicates
UPRT	0.0000	0.00	0.00	----------	----------	0

Average Calibration Factor = 0.000000 (%RSD = 0.00)

TotalChrom Method File \\aussvr05\tcdata\CHROM\GC11\2012\1203\GCL-GLYCOL-ALC-032712 Mix B.mth
Printed by : SML on: 3/29/2012 1:21:36 PM
Created by : SML on: 3/28/2012 4:11:23 PM
Edited by : SML on: 3/29/2012 12:59:31 PM
Number of Times Edited : 1
Number of Times Calibrated : 220
Description:

Instrument Conditions

Capillary GC -
Instrument : GCL
Column : STABILWAX-D
Carrier Gas : H2
Injection Temp.: 260 C
Detector 1 : FID 265 C
Temp. Program : 40 C - 210 C at 12.5 C/min. IH= 2 min FH= 0 min.
210-245 at 20 C/min. FH = 6 min. Run time = 23.05 min.
Range: Det A = 1

Instrument Control Method

Instrument Name : GC11
Instrument Type : 900 Series Intelligent Interface

Interface Parameters

Delay Time : 0.00 min
Run Time : 23.35 min
Sampling Rate : 2.5000 pts/s
Interface Type : 900 Series Intelligent Interface
Analog Voltage Input : 2000 mV
Data will be collected from channel A

Timed Events

There are no timed events in the method

Real Time Plot Parameters

	Pages	Offset (mV)	Scale (mV)
Channel A	1	15.000	200.000

Processing Parameters

Bunch Factor : 2 points
Noise Threshold : 1 µV
Area Threshold : 1000.00 µV

Peak Separation Criteria

Width Ratio : 0.200
Valley-to-Peak Ratio : 0.010

BLD 4/2/12

Exponential Skim Criteria

Peak Height Ratio : 5.000
Adjusted Height Ratio : 4.000
Valley Height Ratio : 3.000

Baseline Timed Events

Event #1 - Disable Peak Detection at 13.731

Optional Reports

No report format files given

Optional Report Plot Parameters

Plot Number	1	2	3	4	5
Generate this plot	No	No	No	No	No
Start plot at end of delay time	Yes	Yes	Yes	Yes	Yes
Start Time					
End Time					
Scale Type	Vertical Scaling	Vertical Scaling	Vertical Scaling	Vertical Scaling	Vertical Scaling
Scale Factor	1.000	1.000	1.000	1.000	1.000
Full Scale					
Offset					

Annotated Replot Parameters

Offset & Scale set to absolute values
Draw baselines
Include timed event annotations

Automatically set plot start and end times to data limits

Plot Offset : 0.000 µV
Plot Scale : 200.000 µV
Number of Pages : 1
Plot Title : Chromatogram
X-Axis Label : Time [min]
Y-Axis Label : Response [mV]
Orientation : Landscape
Retention Labels : Peak Crests
Component Labels : Actual Time

User Programs

User Program #1 : C:\TC6_Read.exe
Command Line : $RST
Entry Point : Annotated Replot Generation
Synchronize : No

Global Sample Information

Default Sample Volume : 1.000 ml
Quantitation Units : ug/ml
Void Time : 0.000 min
Correct amounts during calibration : No
Convert unknowns to concentration units : Yes
Reject outliers during calibration : No

An External Standard calibration will be used
Unknown peaks will be quantitated using a response factor of 1.000000e+06
First peak will be relative retention reference

Component Information

2-Propanol *|67-63-0
Component Type : Single Peak Component
Retention Time : 0.866 min
Search Window : 0.00 s, 3.00 %
Reference Component : Isobutanol *|78-83-1
Find peak closest to expected RT in window
Calibrating Area versus Amount using a 1st Order Fit
Curve will ignore the origin
Amounts will not be scaled prior to the regression
Weighting factor for the regression: 1
Component standard purity percentage : 100.0000%

User Values
Label :
Value 1 : 50.000000
Value 2 : 100.000000
Value 3 : 0.000000
Value 4 : 0.000000
Value 5 : 0.000000

Calibration Level

Level Name	Amount	Area	Height	ISTD Amt.	ISTD Resp.	# Replicates
B1	5.0000	11432.00	5421.88	----------	----------	1
B2	25.0000	54651.60	29247.70	----------	----------	1
B3	50.0000	120806.00	62971.30	----------	----------	1
B4	100.0000	222606.80	127275.38	----------	----------	1
B5	250.0000	548469.60	346934.77	----------	----------	1

Calibration Curve : y = (3765.921903) + (2184.038117)x + (0.000000)x^2 + (0.000000)x^3
R-squared : 0.999525

Isobutanol *|78-83-1
Component Type : Single Peak Component
Retention Time : 2.093 min
Search Window : 0.00 s, 3.00 %
This component is a reference
Find peak closest to expected RT in window
Calibrating Area versus Amount using a 1st Order Fit
Curve will ignore the origin
Amounts will not be scaled prior to the regression
Weighting factor for the regression: 1
Component standard purity percentage : 100.0000%

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User Values
Label :
Value 1 : 50.000000
Value 2 : 100.000000
Value 3 : 0.000000
Value 4 : 0.000000
Value 5 : 0.000000

Calibration Level

Level Name	Amount	Area	Height	ISTD Amt.	ISTD Resp.	# Replicates
B1	5.0000	17018.80	3442.95	----------	----------	1
B2	25.0000	81136.00	17105.01	----------	----------	1
B3	50.0000	179590.40	37969.91	----------	----------	1
B4	100.0000	330856.00	72413.90	----------	----------	1
B5	250.0000	821520.80	186558.22	----------	----------	1

Calibration Curve : y = (4543.259788) + (3273.036514)x + (0.000000)x^2 + (0.000000)x^3
R-squared : 0.999578

Propargyl Alcohol *|107-19-7
Component Type : Single Peak Component
Retention Time : 5.375 min
Search Window : 0.00 s, 3.00 %
Reference Component :
Find largest peak in window
Calibrating Area versus Amount using a 1st Order Fit
Curve will ignore the origin
Amounts will not be scaled prior to the regression
Weighting factor for the regression: 1
Component standard purity percentage : 100.0000%

User Values
Label :
Value 1 : 50.000000
Value 2 : 100.000000
Value 3 : 100.000000
Value 4 : 0.000000
Value 5 : 0.000000

Calibration Level

Level Name	Amount	Area	Height	ISTD Amt.	ISTD Resp.	# Replicates
A1	5.0000	16760.22	7794.86	----------	----------	1
A2	25.0000	79160.20	39216.15	----------	----------	1
A3	50.0000	165508.00	79946.65	----------	----------	1
A4	100.0000	321721.60	156488.65	----------	----------	1
A5	250.0000	795096.00	367918.57	----------	----------	1

from Mix A method (calibrated in Mix A method)

Calibration Curve : y = (2648.224828) + (3174.429999)x + (0.000000)x^2 + (0.000000)x^3
R-squared : 0.999917

Propylene Glycol *|Q764
Component Type : Single Peak Component
Retention Time : 7.680 min
Search Window : 0.00 s, 3.00 %
Reference Component : Isobutanol *|78-83-1
Find peak closest to expected RT in window
Calibrating Area versus Amount using a 1st Order Fit
Curve will ignore the origin
Amounts will not be scaled prior to the regression
Weighting factor for the regression: 1
Component standard purity percentage : 100.0000%

User Values
Label :
Value 1 : 200.000000
Value 2 : 400.000000
Value 3 : 0.000000
Value 4 : 0.000000
Value 5 : 0.000000

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Calibration Level

Level Name	Amount	Area	Height	ISTD Amt.	ISTD Resp.	# Replicates
B1	20.0000	29256.00	2914.24	----------	----------	1
B2	100.0000	148074.40	20126.20	----------	----------	1
B3	200.0000	351731.20	69581.15	----------	----------	1
B4	400.0000	649719.20	162922.82	----------	----------	1
B5	1000.0000	1632571.20	548914.38	----------	----------	1

Calibration Curve : y = (116.515128) + (1634.168270)x + (0.000000)x^2 + (0.000000)x^3
R-squared : 0.999465

UPRT
Component Type : Single Peak Component
Retention Time : 21.000 min
Search Window : 0.00 s, 0.01 %
Reference Component :
Find peak closest to expected RT in window
Use Average Calibration Factor (Area / Amount)
Component standard purity percentage : 100.0000%

User Values
Label :
Value 1 : 0.000000
Value 2 : 0.000000
Value 3 : 0.000000
Value 4 : 0.000000
Value 5 : 0.000000

Calibration Level

Level Name	Amount	Area	Height	ISTD Amt.	ISTD Resp.	# Replicates
UPRT	0.0000	0.00	0.00	----------	----------	0

Average Calibration Factor = 0.000000 (%RSD = 0.00)

Form 7

Software Version	: 6.2.1.0.104:0104	Date	: 5/4/2012 1:58:47 PM
Reprocess Number	: [Not Known]		
Operator	: SML	Sample Name	: CCV A
Sample Number	: 003	Study	: AV01000
AutoSampler	: NONE	Rack/Vial	: 0/0
Instrument Name	: GC11	Channel	: A
Interface Serial #	: 1127573585	A/D mV Range	: 2000
Delay Time	: 0.00 min	End Time	: 23.35 min
Sampling Rate	: 2.5000 pts/s		
Sample Volume	: 1.000000 ml	Area Reject	: 0.000000
Sample Amount	: 1.0000	Dilution Factor	: 1.00
Data Acquisition Time	: 5/3/2012 4:31:52 PM	Cycle	: 1

Raw Data File : \\aussvr05\tcdata\CHROM\GC11\2012\1205\0503\K-A0001.raw <Modified>
Result File : \\aussvr05\tcdata\CHROM\GC11\2012\1205\0503\K-A0001.rst
Inst Method : \\aussvr05\tcdata\CHROM\gc11\methods\gcl-glycol-alc-aq from \\aussvr05\tcdata\CHROM\GC11\2012\1205\0503\K-A0001.raw
Proc Method : \\aussvr05\tcdata\chrom\gc11\2012\1205\gcl-glycol-alc-032712 mix a b.mth from
\\aussvr05\tcdata\CHROM\GC11\2012\1205\0503\K-A0001.rst
Calib Method : \\aussvr05\tcdata\chrom\gc11\2012\1205\gcl-glycol-alc-032712 mix a b.mth from
\\aussvr05\tcdata\CHROM\GC11\2012\1205\0503\K-A0001.rst
Report Format File: \\aussvr05\tcdata\CHROM\gc11\reports\8015-high-ccv-rec-rev.rpt
Sequence File : \\aussvr05\tcdata\CHROM\GC11\2012\1205\11A12E03.seq

Noise Threshold	: 1	Area Threshold	: 1000
Bunch Factor	: 2	Multiplier	: 1.0000
Divisor	: 1.0000	Addend	: 0.0000

User1	: ALGL:C3
User2	:
User3	: GC11
User4	:
User5	:
User6	:
User7	:
User8	:
User9	:
User10	:
Total number of peaks detected	: 20

Instrument Conditions
Capillary GC -
Instrument : GCL
Column : STABILWAX-D
Carrier Gas : H2
Injection Temp.: 260 C
Detector 1 : FID 265 C
Temp. Program : 40 C - 210 C at 12.5 C/min. IH= 2 min FH= 0 min.
210-245 at 20 C/min. FH = 6 min. Run time = 23.35 min.
Range: Det A = 1

**** 8015 Report ****

Peak #	Time [min]	Component Name	Raw Result (ug/mL)	Area [uV*sec]	Height [uV]	Sample Conc. (mg/L)	BL	ICV/CCV rec. (%)	Cal. Range
1	0.689	Methanol *|67-56-1	91.2911	117289.20	35455.68	91.2911	BV	91	
2	0.772	Ethanol *|64-17-5	105.9525	250890.40	71408.63	105.9525	VB	106	
-	0.827	2-Propanol *|67-63-0	0.0000	0.00	0.00	0.0000		---	
3	1.213	n-Propanol *|71-23-8	97.3433	249011.33	62175.41	97.3433	BV	97	
4	1.337	1,4-Dioxane *|123-91-1	108.3602	200049.47	36389.94	108.3602	VB	108	
-	1.977	Isobutanol *|78-83-1	0.0000	0.00	0.00	0.0000		---	
5	2.570	n-Butanol *|71-36-3	102.6768	316847.84	67183.77	102.6768	BV	103	
6	3.383		0.0245	24453.28	1787.09	0.0245	VV	---	
7	3.634	2-Methoxyethanol *|109-86-4	92.2374	128488.00	63265.01	92.2374	VV	92	
8	3.890	2-Ethoxyethanol *|110-80-5	106.3432	184105.68	45182.96	106.3432	VB	106	
9	4.992	Propargyl Alcohol *|107-19-7	101.2217	323969.51	141104.73	101.2217	BV	101	
10	5.174	2-Chloroethanol *|107-07-3	103.0636	98266.49	37904.09	103.0636	VB	103	
11	6.129		0.0025	2478.40	487.62	0.0025	BB	---	
12	6.871		0.0018	1838.00	537.81	0.0018	BB	---	
13	7.282	Propylene Glycol *|Q764	375.2360	613315.20	267696.42	375.2360	BB	94	
14	7.580	Ethylene Glycol *|107-21-1	402.9763	543729.60	261416.86	402.9763	BB	101	
15	8.940	Diethylene Gly. BE *|112-34-5	102.5002	237796.40	89460.71	102.5002	BB	103	
16	10.401	Diethylene Glycol *|Q763	408.0448	562580.80	244614.68	408.0448	BB	102	
17	11.864		0.0012	1228.40	363.30	0.0012	BB	---	
18	12.857	Triethylene Glycol *|112-27-6	415.4003	574385.92	217155.26	415.4003	BV	104	
19	13.251		0.0088	8846.08	1659.14	0.0088	VB	---	
20	13.942		0.0019	1876.00	365.11	0.0019	BB	---	
-	21.000	UPRT	0.0000	0.00	0.00	0.0000		---	
			2612.6881	4441446.00	1.65e+06	2612.6881			

+15%

BVP 5/4/12

5/4/2012 1:58:47 PM Result: \\aussvr05\tcdata\CHROM\GC11\2012\1205\0503\K-A0001.rst

ANALYST'S INITIALS:_____

NOTE: The "Raw Result (ug/mL)" column refers to extract concentrations and excludes the contribution of the dilution factor, final extract volume, & sample amount. The "Sample Concentration (mg/L)" refers to the final calculated concentration that includes the contribution of the above factors.

Report stored in ASCII file: \\aussvr05\tcdata\CHROM\GC11\2012\1205\0503\K-A0001.TX0

Software Version	: 6.2.1.0.104:0104	Date	: 5/4/2012 10:03:00 AM
Reprocess Number	: [Not Known]		
Operator	: SML	Sample Name	: CCV A
Sample Number	: 003	Study	: AV01000
AutoSampler	: NONE	Rack/Vial	: 0/0
Instrument Name	: GC11	Channel	: A
Interface Serial #	: 1127573585	A/D mV Range	: 2000
Delay Time	: 0.00 min	End Time	: 23.35 min
Sampling Rate	: 2.5000 pts/s		
Sample Volume	: 1.000000 ml	Area Reject	: 0.000000
Sample Amount	: 1.0000	Dilution Factor	: 1.00
Data Acquisition Time	: 5/3/2012 11:58:50 PM	Cycle	: 16

Raw Data File : \\aussvr05\tcdata\CHROM\GC11\2012\1205\0503\K-A0016.raw <Modified>
Result File : \\aussvr05\tcdata\CHROM\GC11\2012\1205\0503\K-A0016.rst
Inst Method : \\aussvr05\tcdata\CHROM\gc11\methods\gcl-glycol-alc-aq from \\aussvr05\tcdata\CHROM\GC11\2012\1205\0503\K-A0016.raw
Proc Method : \\aussvr05\tcdata\chrom\gc11\2012\1205\gcl-glycol-alc-032712 mix a b.mth from
\\aussvr05\tcdata\CHROM\GC11\2012\1205\0503\K-A0016.rst
Calib Method : \\aussvr05\tcdata\chrom\gc11\2012\1205\gcl-glycol-alc-032712 mix a b.mth from
\\aussvr05\tcdata\CHROM\GC11\2012\1205\0503\K-A0016.rst
Report Format File: \\aussvr05\tcdata\CHROM\gc11\reports\8015-high-ccv-rec-rev.rpt
Sequence File : \\aussvr05\tcdata\CHROM\GC11\2012\1205\11A12E03.seq

Noise Threshold	: 1	Area Threshold	: 1000
Bunch Factor	: 2	Multiplier	: 1.0000
Divisor	: 1.0000	Addend	: 0.0000

User1	: ALGL:C3
User2	:
User3	: GC11
User4	:
User5	:
User6	:
User7	:
User8	:
User9	:
User10	:
Total number of peaks detected	: 17

Instrument Conditions
Capillary GC -
Instrument : GCL
Column : STABILWAX-D
Carrier Gas : H2
Injection Temp.: 260 C
Detector 1 : FID 265 C
Temp. Program : 40 C - 210 C at 12.5 C/min. IH= 2 min FH= 0 min.
210-245 at 20 C/min. FH = 6 min. Run time = 23.35 min.
Range: Det A = 1

**** 8015 Report ****

Peak #	Time [min]	Component Name	Raw Result (ug/mL)	Area [uV*sec]	Height [uV]	Sample Conc. (mg/L)	BL	ICV/CCV rec. (%)	Cal. Range
1	0.461		0.0022	2177.20	1154.29	0.0022	BB	---	
2	0.679	Methanol *|67-56-1	91.2501	117236.56	36302.11	91.2501	BV	91	
3	0.765	Ethanol *|64-17-5	109.0564	258240.24	72988.28	109.0564	VB	109	
-	0.827	2-Propanol *|67-63-0	0.0000	0.00	0.00	0.0000		---	
4	1.202	n-Propanol *|71-23-8	96.1663	246073.11	65224.24	96.1663	BV	96	
5	1.325	1,4-Dioxane *|123-91-1	114.3501	211341.29	36581.17	114.3501	VB	114	
-	1.977	Isobutanol *|78-83-1	0.0000	0.00	0.00	0.0000		---	
6	2.556	n-Butanol *|71-36-3	102.8652	317420.80	64396.43	102.8652	BB	103	
7	3.375		0.0035	3542.00	480.95	0.0035	BB	---	
8	3.622	2-Methoxyethanol *|109-86-4	79.4025	110842.29	62244.16	79.4025	BV	79	
9	3.880	2-Ethoxyethanol *|110-80-5	98.2909	170412.11	45954.89	98.2909	VB	98	
10	4.983	Propargyl Alcohol *|107-19-7	103.5236	331276.72	142840.40	103.5236	BV	104	
11	5.164	2-Chloroethanol *|107-07-3	105.1541	100245.68	37313.42	105.1541	VB	105	
12	7.277	Propylene Glycol *|Q764	356.8687	583300.00	271465.80	356.8687	BB	89	
13	7.577	Ethylene Glycol *|107-21-1	404.6538	545991.20	254997.99	404.6538	BB	101	
14	8.932	Diethylene Gly. BE *|112-34-5	104.3163	242009.60	92955.63	104.3163	BB	104	
15	10.398	Diethylene Glycol *|Q763	418.5281	576958.40	238125.72	418.5281	BB	105	
16	12.851	Triethylene Glycol *|112-27-6	410.8753	568154.40	198775.48	410.8753	BE	103	
17	13.242		0.0079	7681.60	936.39	0.0079	EB	---	
-	21.000	UPRT	0.0000	0.00	0.00	0.0000		---	
			2595.3149	4393103.20	1.62e+06	2595.3149			

+15%

BMD 5/4/12

ANALYST'S INITIALS: _____

5/4/2012 10:03:00 AM Result: \\aussvr05\tcdata\CHROM\GC11\2012\1205\0503\K-A0016.rst

NOTE: The "Raw Result (ug/mL)" column refers to extract concentrations and excludes the contribution of the dilution factor, final extract volume, & sample amount. The "Sample Concentration (mg/L)" refers to the final calculated concentration that includes the contribution of the above factors.

Report stored in ASCII file: \\aussvr05\tcdata\CHROM\GC11\2012\1205\0503\K-A0016.TX0

QC & Sample Data

TestAmerica **GC SEMI DATA REVIEW CHECK LIST**

Austin Laboratory

Work Order Numbers / Lab Sample Numbers / Batch Numbers

AVE0005, AVE0007	"12E0053"

Method: 8015B DAI

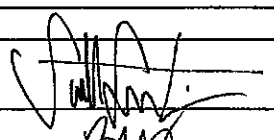
Instrument ID: GC-11

Analysis Date: 5/3/2012

ICAL Date(s): 3/27/2012

Review Item	YES	NO	N/A	2nd Review
Initial Calibration				
Maximum %RSD/R2 within QC limits			X	✓
Calibration factors updated/curves drawn			X	✓
RT windows established/updated			X	✓
Pass resolution check criteria			X	✓
Second source check standard analyzed immediately after ICAL			X	✓
Second source check standard analyzed successfully			X	✓
Continuing Calibration				
Check standards within limits	X			✓
Compounds within RT windows	X			✓
12 hour clock requirements met	X			✓
Sample Analysis				
Name and header info correct	X			✓
Surrogate % recoveries meet criteria	X			✓
Runs checked for saturation	X			✓
Hits confirmed if required			X	✓
Compounds within linear range of curve	X			✓
Sample hold times met	X			✓
Results account for dilutions, weights, % moisture, etc.	X			✓
Quality Control Samples				
Method blanks less than reporting limits	X			✓
LCS spike % recoveries within limits	X			✓
MS/MSD spike % recoveries within limits	X			✓
MS/MSD/DUPs RPD within limits	X			✓
Other				
All nonconformances included and noted	X			✓
Required forms completed	X			✓
Correct methodology used	X			✓
Sequence files match instrument files	X			✓
All unused analyses noted on the sequence with the reason	X			✓
Transcriptions checked for accuracy	X			✓
All calculations checked at minimum frequency	X			✓
Data checked for potential false positive and false negative results	X			✓
Manual integrations acceptable and documented appropriately	X			✓
Manual integration checked by 2nd reviewer	X			✓
Additional TRRP checklist included (if needed)			X	✓
Units checked	X			✓

Comments

Analyst  Date 5/4/2012

2nd Review Date 5/4/12

Austin Laboratory
INSTRUMENT GC-L1 (11)
SHIFT (Circle): 1 2 3
COMPUTER CLOCK DATE / TIME:

PAGE #: 0013
ANALYST / DATE: GN 5-3-12
METHOD / TEST: 8015 DAI
SOP #: AU-GC-005, current rev.

DAILY CHECK ✓	INSERT CHANGED ✓	SEPTA CHANGED —	COLUMN CHANGED —	GASES CHANGED —
FID jet changed detector cleaned				
OTHER				

DAILY CHECK includes sufficient carrier and detector gases, correct column flow/pressure, condition of septa, etc. Glass insert, septa, column, and gases changed as needed. Detector jets and collectors changed as needed. Detectors cleaned as needed. OTHER is for minor maintenance performed or for reference to Repair Log for major repairs.

GC PROGRAM:

Det. Temp. 270 C	Initial Temp. 40 C	2nd Temp. — C
Inj. Temp. 245 C	Initial Hold 2 min	2nd Hold — min
Carrier Gas: H_2	Ramp 12.5 C/min	Other Program or Special Conditions:
Flow/Pressure 8	Final Temp. 210 C	—
Make-up Gas —	Final Hold — min	—
Flow — mL/min	2nd Ramp — C	—

GC COLUMN:
Column ID#: GCID1137 / GCID1139 Column Type: Capillary
Phases/Loadings: Stabilwax i.d. .53 mm Length 30 m
Injection Type: Splitless

INSTRUMENT SEQUENCE:
Sample Name, Sample Number, Dilution, etc.

TotalChrom Sequence File \\aussvr05\tcdata\CHROM\GC11\2012\1205\11A12E03.seq
Printed by : SML on: 5/4/2012 10:00:54 AM
Created by : SML on: 5/4/2012 10:00:48 AM
Edited by : SML on: 5/4/2012 10:00:48 AM
Number of Times Edited : 0
Description:

Sequence File Header Information:
Number of Rows : 18
Instrument Type : 900 Series Intelligent Interface
Injection Type : SINGLE
Raw tokens channel A :
Result tokens channel A :
Modified tokens channel A :
Raw tokens channel B :
Result tokens channel B :
Modified tokens channel B :

GN 5-4-12

Sequence Sample Descriptions - Channel A

Row	Type	Name	Study name	Dil Factor	Multiplier	Divisor	
1	Cal:Replace	CCV A	AV01000	1.000000	1.000000	1.000000	
2	Sample	12E0053-BS1	LCS	1.000000	1.000000	1.000000	
3	Sample	12E0053-MS1	MS	1.000000	1.000000	1.000000	
4	Sample	12E0053-MSD1	MSD	1.000000	1.000000	1.000000	
~~5~~	~~Sample~~	~~SBCH~~		~~1.000000~~	~~1.000000~~	~~1.000000~~	Not Used
6	Sample	12E0053-BLK1	MB	1.000000	1.000000	1.000000	
7	Sample	AVE0005-01		1.000000	1.000000	1.000000	
8	Sample	AVE0005-02		1.000000	1.000000	1.000000	
9	Sample	AVE0005-03		1.000000	1.000000	1.000000	
10	Sample	AVE0005-04	PARENT	1.000000	1.000000	1.000000	
11	Sample	AVE0005-05		1.000000	1.000000	1.000000	
12	Sample	AVE0005-06		1.000000	1.000000	1.000000	
13	Sample	AVE0005-07		1.000000	1.000000	1.000000	
14	Sample	AVE0005-08		1.000000	1.000000	1.000000	
15	Sample	AVE0007-01		1.000000	1.000000	1.000000	
16	Cal:Replace	CCV A	AV01000	1.000000	1.000000	1.000000	

TotalChrom Sequence File \\aussvr05\tcdata\CHROM\GC11\2012\1205\11A12E03.seq
Printed by : SML on: 5/4/2012 10:00:54 AM
Created by : SML on: 5/4/2012 10:00:48 AM
Edited by : SML on: 5/4/2012 10:00:48 AM
Number of Times Edited : 0
Description:

Sequence File Header Information:

Number of Rows : 18
Instrument Type : 900 Series Intelligent Interface
Injection Type : SINGLE
Raw tokens channel A :
Result tokens channel A :
Modified tokens channel A :
Raw tokens channel B :
Result tokens channel B :
Modified tokens channel B :

Sequence Sample Descriptions - Channel A

Row	Type	Name	Study name	Dil Factor	Multiplier	Divisor	
1	Cal:Replace	CCV A	AV01000	1.000000	1.000000	1.000000	5/3/12 16:31 ✓
2	Sample	12E0053-BS1	LCS	1.000000	1.000000	1.000000	
3	Sample	12E0053-MS1	MS	1.000000	1.000000	1.000000	
4	Sample	12E0053-MSD1	MSD	1.000000	1.000000	1.000000	
~~5~~	~~Sample~~	~~SBCH~~		~~1.000000~~	~~1.000000~~	~~1.000000~~	Not Used
6	Sample	12E0053-BLK1	MB	1.000000	1.000000	1.000000	
7	Sample	AVE0005-01		1.000000	1.000000	1.000000	
8	Sample	AVE0005-02		1.000000	1.000000	1.000000	
9	Sample	AVE0005-03		1.000000	1.000000	1.000000	
10	Sample	AVE0005-04	PARENT	1.000000	1.000000	1.000000	
11	Sample	AVE0005-05		1.000000	1.000000	1.000000	
12	Sample	AVE0005-06		1.000000	1.000000	1.000000	
13	Sample	AVE0005-07		1.000000	1.000000	1.000000	
14	Sample	AVE0005-08		1.000000	1.000000	1.000000	
15	Sample	AVE0007-01		1.000000	1.000000	1.000000	
16	Cal:Replace	CCV A	AV01000	1.000000	1.000000	1.000000	5/3/12 23:58 ✓
17	Cal:Replace			1.000000	1.000000	1.000000	
18	Cal:Replace			1.000000	1.000000	1.000000	

5/4/12 SMO

5-4-12

Software Version	: 6.2.1.0.104:0104	Date	: 5/4/2012 1:58:47 PM
Reprocess Number	: [Not Known]		
Operator	: SML	Sample Name	: CCV A
Sample Number	: 003	Study	: AV01000
AutoSampler	: NONE	Rack/Vial	: 0/0
Instrument Name	: GC11	Channel	: A
Interface Serial #	: 1127573585	A/D mV Range	: 2000
Delay Time	: 0.00 min	End Time	: 23.35 min
Sampling Rate	: 2.5000 pts/s		
Sample Volume	: 1.000000 ml	Area Reject	: 0.000000
Sample Amount	: 1.0000	Dilution Factor	: 1.00
Data Acquisition Time	: 5/3/2012 4:31:52 PM	Cycle	: 1

Raw Data File : \\aussvr05\tcdata\CHROM\GC11\2012\1205\0503\K-A0001.raw <Modified>
Result File : \\aussvr05\tcdata\CHROM\GC11\2012\1205\0503\K-A0001.rst
Inst Method : \\aussvr05\tcdata\CHROM\gc11\methods\gcl-glycol-alc-aq from \\aussvr05\tcdata\CHROM\GC11\2012\1205\0503\K-A0001.raw
Proc Method : \\aussvr05\tcdata\chrom\gc11\2012\1205\gcl-glycol-alc-032712 mix a b.mth from
\\aussvr05\tcdata\CHROM\GC11\2012\1205\0503\K-A0001.rst
Calib Method : \\aussvr05\tcdata\chrom\gc11\2012\1205\gcl-glycol-alc-032712 mix a b.mth from
\\aussvr05\tcdata\CHROM\GC11\2012\1205\0503\K-A0001.rst
Report Format File: \\aussvr05\tcdata\CHROM\gc11\reports\8015-high-ccv-rec-rev.rpt
Sequence File : \\aussvr05\tcdata\CHROM\GC11\2012\1205\11A12E03.seq

Noise Threshold	: 1	Area Threshold	: 1000
Bunch Factor	: 2	Multiplier	: 1.0000
Divisor	: 1.0000	Addend	: 0.0000

User1	: ALGL:C3
User2	:
User3	: GC11
User4	:
User5	:
User6	:
User7	:
User8	:
User9	:
User10	:
Total number of peaks detected	: 20

Instrument Conditions
Capillary GC -
Instrument : GCL
Column : STABILWAX-D
Carrier Gas : H2
Injection Temp.: 260 C
Detector 1 : FID 265 C
Temp. Program : 40 C - 210 C at 12.5 C/min. IH= 2 min FH= 0 min.
210-245 at 20 C/min. FH = 6 min. Run time = 23.35 min.
Range: Det A = 1

**** 8015 Report ****

Peak #	Time [min]	Component Name	Raw Result (ug/mL)	Area [uV*sec]	Height [uV]	Sample Conc. (mg/L)	BL	ICV/CCV rec. (%)	Cal. Range
1	0.689	Methanol *|67-56-1	91.2911	117289.20	35455.68	91.2911	BV	91	
2	0.772	Ethanol *|64-17-5	105.9525	250890.40	71408.63	105.9525	VB	106	
-	0.827	2-Propanol *|67-63-0	0.0000	0.00	0.00	0.0000		---	
3	1.213	n-Propanol *|71-23-8	97.3433	249011.33	62175.41	97.3433	BV	97	
4	1.337	1,4-Dioxane *|123-91-1	108.3602	200049.47	36389.94	108.3602	VB	108	
-	1.977	Isobutanol *|78-83-1	0.0000	0.00	0.00	0.0000		---	
5	2.570	n-Butanol *|71-36-3	102.6768	316847.84	67183.77	102.6768	BV	103	
6	3.383		0.0245	24453.28	1787.09	0.0245	VV	---	
7	3.634	2-Methoxyethanol *|109-86-4	92.2374	128488.00	63265.01	92.2374	VV	92	
8	3.890	2-Ethoxyethanol *|110-80-5	106.3432	184105.68	45182.96	106.3432	VB	106	
9	4.992	Propargyl Alcohol *|107-19-7	101.2217	323969.51	141104.73	101.2217	BV	101	
10	5.174	2-Chloroethanol *|107-07-3	103.0636	98266.49	37904.09	103.0636	VB	103	
11	6.129		0.0025	2478.40	487.62	0.0025	BB	---	
12	6.871		0.0018	1838.00	537.81	0.0018	BB	---	
13	7.282	Propylene Glycol *|Q764	375.2360	613315.20	267696.42	375.2360	BB	94	
14	7.580	Ethylene Glycol *|107-21-1	402.9763	543729.60	261416.86	402.9763	BB	101	
15	8.940	Diethylene Gly. BE *|112-34-5	102.5002	237796.40	89460.71	102.5002	BB	103	
16	10.401	Diethylene Glycol *|Q763	408.0448	562580.80	244614.68	408.0448	BB	102	
17	11.864		0.0012	1228.40	363.30	0.0012	BB	---	
18	12.857	Triethylene Glycol *|112-27-6	415.4003	574385.92	217155.26	415.4003	BV	104	
19	13.251		0.0088	8846.08	1659.14	0.0088	VB	---	
20	13.942		0.0019	1876.00	365.11	0.0019	BB	---	
-	21.000	UPRT	0.0000	0.00	0.00	0.0000		---	
			2612.6881	4441446.00	1.65e+06	2612.6881			

±15%

BVP 5/4/12

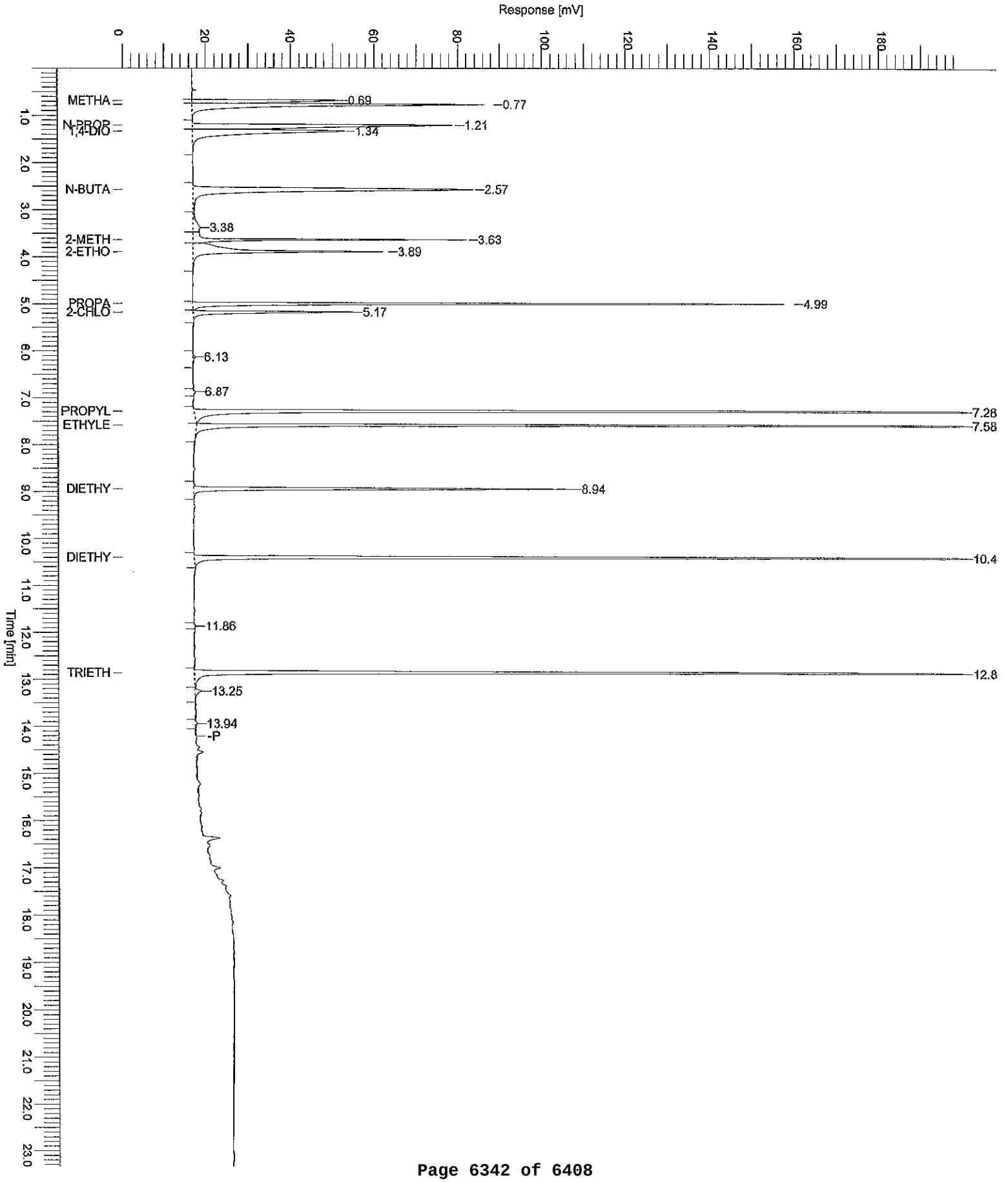
5/4/2012 1:58:47 PM Result: \\aussvr05\tcdata\CHROM\GC11\2012\1205\0503\K-A0001.rst

ANALYST'S INITIALS:_____
NOTE: The "Raw Result (ug/mL)" column refers to extract concentrations and excludes the contribution of the dilution factor, final extract volume, & sample amount. The "Sample Concentration (mg/L)" refers to the final calculated concentration that includes the contribution of the above factors.

Report stored in ASCII file: \\aussvr05\tcdata\CHROM\GC11\2012\1205\0503\K-A0001.TX0

Chromatogram

Sample Name : CCV A Sample #: 003 Page 1 of 1
FileName : \\aussvr05\tcdata\CHROM\GC11\2012\1205\0503\K-A0001.raw
Date : 5/4/2012 1:58:48 PM
Method : gcl-glycol-alc-aq Time of Injection: 5/3/2012 4:31:52 PM
Start Time : 0.00 min End Time : 23.35 min Low Point : 0.00 mV High Point : 200.00 mV
Plot Offset: 0.00 mV Plot Scale: 200.0 mV



Software Version : 6.2.1.0.104:0104
Reprocess Number : [Not Known]
Operator : SML
Sample Number : 001
AutoSampler : NONE
Instrument Name : GC11
Interface Serial # : 1127573585
Delay Time : 0.00 min
Sampling Rate : 2.5000 pts/s
Sample Volume : 1.000000 ml
Sample Amount : 1.0000
Data Acquisition Time : 5/3/2012 5:01:54 PM

Date : 5/4/2012 10:01:50 AM

Sample Name : 12E0053-BS1
Study : LCS
Rack/Vial : 0/0
Channel : A
A/D mV Range : 2000
End Time : 23.35 min

Area Reject : 0.000000
Dilution Factor : 1.00
Cycle : 2

Raw Data File : \\aussvr05\tcdata\CHROM\GC11\2012\1205\0503\K-A0002.raw <Modified>
Result File : \\aussvr05\tcdata\CHROM\GC11\2012\1205\0503\K-A0002.rst
Inst Method : \\aussvr05\tcdata\CHROM\gc11\methods\gcl-glycol-alc-aq from \\aussvr05\tcdata\CHROM\GC11\2012\1205\0503\K-A0002.raw
Proc Method : \\aussvr05\tcdata\chrom\gc11\2012\1205\gcl-glycol-alc-032712 mix a b.mth from
\\aussvr05\tcdata\CHROM\GC11\2012\1205\0503\K-A0002.rst
Calib Method : \\aussvr05\tcdata\chrom\gc11\2012\1205\gcl-glycol-alc-032712 mix a b.mth from
\\aussvr05\tcdata\CHROM\GC11\2012\1205\0503\K-A0002.rst
Report Format File: \\aussvr05\tcdata\CHROM\gc11\reports\8015-lcs-rec-rev012398.rpt
Sequence File : \\aussvr05\tcdata\CHROM\GC11\2012\1205\11A12E03.seq
Noise Threshold : 1
Bunch Factor : 2
Divisor : 1.0000

Area Threshold : 1000
Multiplier : 1.0000
Addend : 0.0000

User1 : ALGL
User2 :
User3 : GC11
User4 :
User5 :
User6 :
User7 :
User8 :
User9 :
User10 :
Total number of peaks detected : 19
Instrument Conditions
Capillary GC -
Instrument : GCL
Column : STABILWAX-D
Carrier Gas : H2
Injection Temp.: 260 C
Detector 1 : FID 265 C
Temp. Program : 40 C - 210 C at 12.5 C/min. IH= 2 min FH= 0 min.
210-245 at 20 C/min. FH = 6 min. Run time = 23.35 min.
Range: Det A = 1

**** 8015 Report ****

Peak #	Time [min]	Component Name	Raw Result (ug/mL)	Area [uV*sec]	Height [uV]	Sample Conc. (mg/L)	adjusted spike amt	BL	LCS/surr. rec. (%)	Cal. Range
1	0.685	Methanol *|67-56-1	79.6032	102272.75	34432.46	79.6032	100	BV	80	
2	0.771	Ethanol *|64-17-5	114.0135	269978.45	71065.21	114.0135	100	VB	114	
-	0.827	2-Propanol *|67-63-0	0.0000	0.00	0.00	0.0000	---		---	
3	1.213	n-Propanol *|71-23-8	92.8064	237685.61	60534.00	92.8064	100	BV	93	
4	1.334	1,4-Dioxane *|123-91-1	117.0356	216403.99	35393.49	117.0356	100	VB	117	
-	1.977	Isobutanol *|78-83-1	0.0000	0.00	0.00	0.0000	---		---	
5	2.570	n-Butanol *|71-36-3	101.9791	314725.60	65974.18	101.9791	100	BB	102	
6	3.379		0.0034	3424.00	522.12	0.0034	---	BB	---	
7	3.630	2-Methoxyethanol *|109-86-4	79.3755	110805.18	61059.45	79.3755	100	BV	79	
8	3.888	2-Ethoxyethanol *|110-80-5	97.2575	168654.82	47600.21	97.2575	100	VB	97	
9	4.993	Propargyl Alcohol *|107-19-7	102.4372	327827.84	137491.73	102.4372	100	BV	102	
10	5.174	2-Chloroethanol *|107-07-3	104.3371	99472.16	36736.35	104.3371	100	VB	104	
11	7.281	Propylene Glycol *|Q764	376.5391	615444.80	256353.46	376.5391	400	BB	94	
12	7.579	Ethylene Glycol *|107-21-1	406.9128	549036.80	256552.01	406.9128	400	BB	102	
13	8.939	Diethylene Gly. BE *|112-34-5	104.0141	241308.67	89015.93	104.0141	100	BV	104	
14	9.322		0.0018	1758.13	425.36	0.0018	---	VB	---	
15	10.400	Diethylene Glycol *|Q763	414.1900	571008.80	246225.75	414.1900	400	BB	104	
16	11.864		0.0012	1151.20	331.82	0.0012	---	BB	---	
17	12.855	Triethylene Glycol *|112-27-6	422.0986	583610.37	215145.86	422.0986	400	BV	106	
18	13.251		0.0080	7980.83	1602.28	0.0080	---	VB	---	
19	13.942		0.0017	1744.00	337.09	0.0017	---	BB	---	
-	21.000	UPRT	0.0000	0.00	0.00	0.0000	---		---	
			2612.6158	4424294.00	1.62e+06	2612.6158				

BD 5/4/12

5/4/2012 10:01:50 AM Result: \\aussvr05\tcdata\CHROM\GC11\2012\1205\0503\K-A0002.rst

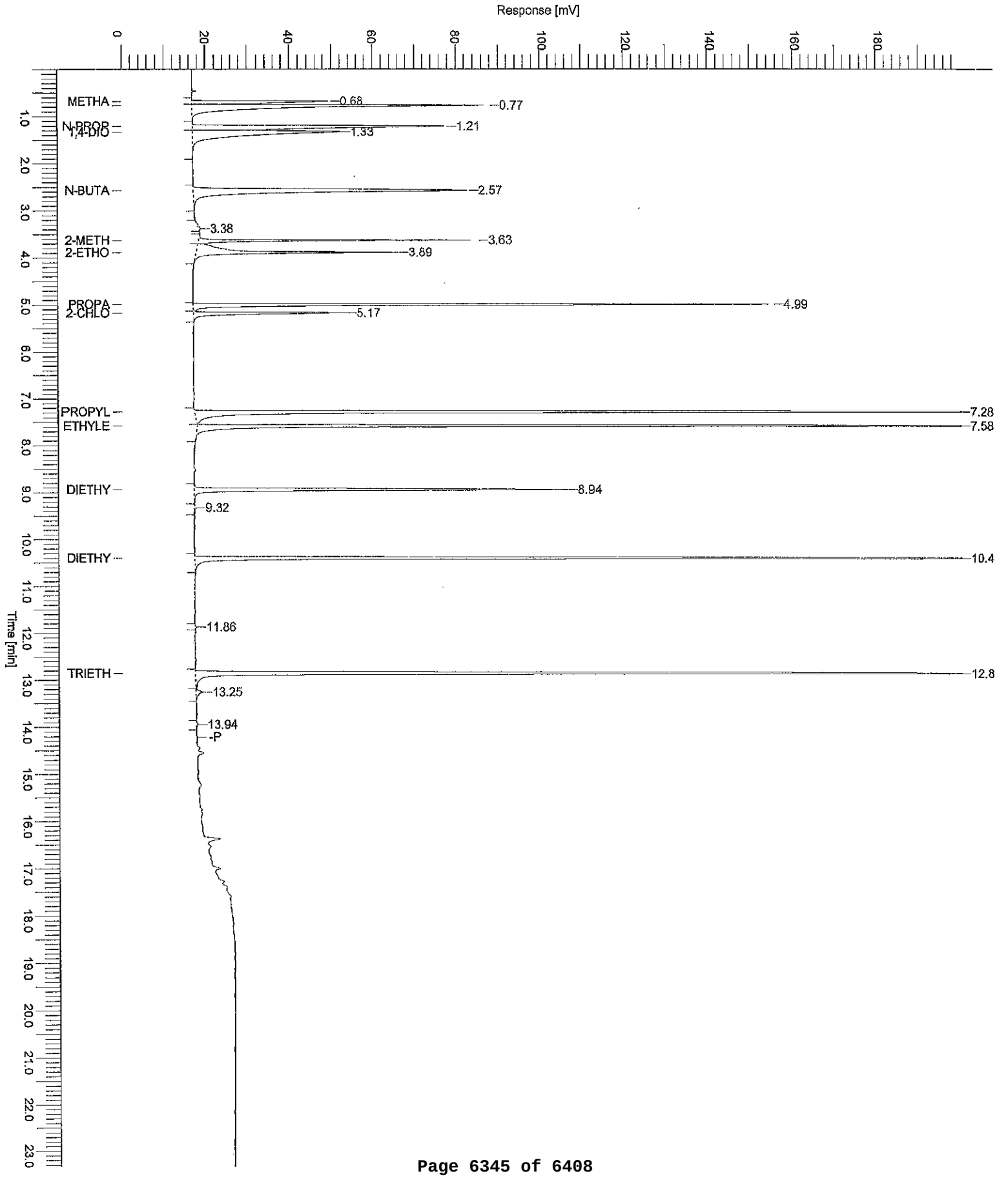
ANALYST'S INITIALS:

NOTE: The "Raw Result (ug/mL)" column refers to extract concentrations and excludes the contribution of the dilution factor, final extract volume, & sample amount. The "Sample Concentration (mg/L)" refers to the final calculated concentration that includes the contribution of the above factors.

Report stored in ASCII file: \\aussvr05\tcdata\CHROM\GC11\2012\1205\0503\K-A0002.TX0

Chromatogram

Sample Name : 12E0053-BS1 Sample #: 001 Page 1 of 1
FileName : \\aussvr05\tcdata\CHROM\GC11\2012\1205\0503\K-A0002.raw
Date : 5/4/2012 10:01:51 AM
Method : gcl-glycol-alc-aq Time of Injection: 5/3/2012 5:01:54 PM
Start Time : 0.00 min End Time : 23.35 min Low Point : 0.00 mV High Point : 200.00 mV
Plot Offset: 0.00 mV Plot Scale: 200.0 mV



Software Version : 6.2.1.0.104:0104
Reprocess Number : [Not Known]
Operator : SML
Sample Number : 001
AutoSampler : NONE
Instrument Name : GC11
Interface Serial # : 1127573585
Delay Time : 0.00 min
Sampling Rate : 2.5000 pts/s
Sample Volume : 1.000000 ml
Sample Amount : 1.0000
Data Acquisition Time : 5/3/2012 5:31:55 PM

Date : 5/4/2012 10:01:56 AM
Sample Name : 12E0053-MS1
Study : MS
Rack/Vial : 0/0
Channel : A
A/D mV Range : 2000
End Time : 23.35 min
Area Reject : 0.000000
Dilution Factor : 1.00
Cycle : 3

Raw Data File : \\aussvr05\tcdata\CHROM\GC11\2012\1205\0503\K-A0003.raw <Modified>
Result File : \\aussvr05\tcdata\CHROM\GC11\2012\1205\0503\K-A0003.rst
Inst Method : \\aussvr05\tcdata\CHROM\gc11\methods\gcl-glycol-alc-aq from \\aussvr05\tcdata\CHROM\GC11\2012\1205\0503\K-A0003.raw
Proc Method : \\aussvr05\tcdata\chrom\gc11\2012\1205\gcl-glycol-alc-032712 mix a b.mth from \\aussvr05\tcdata\CHROM\GC11\2012\1205\0503\K-A0003.rst
Calib Method : \\aussvr05\tcdata\chrom\gc11\2012\1205\gcl-glycol-alc-032712 mix a b.mth from \\aussvr05\tcdata\CHROM\GC11\2012\1205\0503\K-A0003.rst
Report Format File: \\aussvr05\tcdata\CHROM\gc11\reports\8015-lcs-rec-rev012398.rpt
Sequence File : \\aussvr05\tcdata\CHROM\GC11\2012\1205\11A12E03.seq
Noise Threshold : 1
Bunch Factor : 2
Divisor : 1.0000
Area Threshold : 1000
Multiplier : 1.0000
Addend : 0.0000
User1 : ALGL
User2 :
User3 : GC11
User4 :
User5 :
User6 :
User7 :
User8 :
User9 :
User10 :
Total number of peaks detected : 19
Instrument Conditions
Capillary GC -
Instrument : GCL
Column : STABILWAX-D
Carrier Gas : H2
Injection Temp.: 260 C
Detector 1 : FID 265 C
Temp. Program : 40 C - 210 C at 12.5 C/min. IH= 2 min FH= 0 min.
210-245 at 20 C/min. FH = 6 min. Run time = 23.35 min.
Range: Det A = 1

**** 8015 Report ****

Peak #	Time [min]	Component Name	Raw Result (ug/mL)	Area [uV*sec]	Height [uV]	Sample Conc. (mg/L)	adjusted spike amt	BL	LCS/surr. rec. (%)	Cal. Range
1	0.406		0.0403	40308.80	39753.12	0.0403	---	BB	---	
2	0.685	Methanol *|67-56-1	73.9624	95025.61	31018.07	73.9624	100	BV	74	
3	0.772	Ethanol *|64-17-5	115.1838	272749.59	63327.21	115.1838	100	VB	115	
-	0.827	2-Propanol *|67-63-0	0.0000	0.00	0.00	0.0000	---		---	
4	1.213	n-Propanol *|71-23-8	87.5233	224496.98	52249.32	87.5233	100	BV	88	
5	1.333	1,4-Dioxane *|123-91-1	119.6670	221364.62	33760.16	119.6670	100	VB	120	
-	1.977	Isobutanol *|78-83-1	0.0000	0.00	0.00	0.0000	---		---	
6	2.568	n-Butanol *|71-36-3	100.3896	309891.20	62098.23	100.3896	100	BB	100	
7	3.377		0.0034	3420.00	528.28	0.0034	---	BB	---	
8	3.627	2-Methoxyethanol *|109-86-4	78.6851	109855.93	61700.77	78.6851	100	BV	79	
9	3.885	2-Ethoxyethanol *|110-80-5	96.1847	166830.47	46451.22	96.1847	100	VB	96	
10	4.990	Propargyl Alcohol *|107-19-7	101.0854	323536.83	135946.45	101.0854	100	BV	101	
11	5.173	2-Chloroethanol *|107-07-3	99.1419	94553.57	33745.44	99.1419	100	VB	99	
12	7.274	Propylene Glycol *|Q764	372.6893	609153.60	267937.43	372.6893	400	BB	93	
13	7.573	Ethylene Glycol *|107-21-1	398.0873	537138.40	260555.27	398.0873	400	BB	100	
14	8.512		0.0013	1293.60	423.71	0.0013	---	BB	---	
15	8.936	Diethylene Gly. BE *|112-34-5	102.4807	237751.20	89069.22	102.4807	100	BB	102	
16	10.399	Diethylene Glycol *|Q763	407.1975	561418.80	235963.10	407.1975	400	BB	102	
17	11.864		0.0011	1056.80	324.13	0.0011	---	BB	---	
18	12.854	Triethylene Glycol *|112-27-6	414.1812	572707.07	205794.02	414.1812	400	BV	104	
19	13.250		0.0081	8099.33	1618.00	0.0081	---	VB	---	
-	21.000	UPRT	0.0000	0.00	0.00	0.0000	---		---	
			2566.5136	4390652.40	1.62e+06	2566.5136				

BLP 5/14/12

5/4/2012 10:01:56 AM Result: \\aussvr05\tcdata\CHROM\GC11\2012\1205\0503\K-A0003.rst

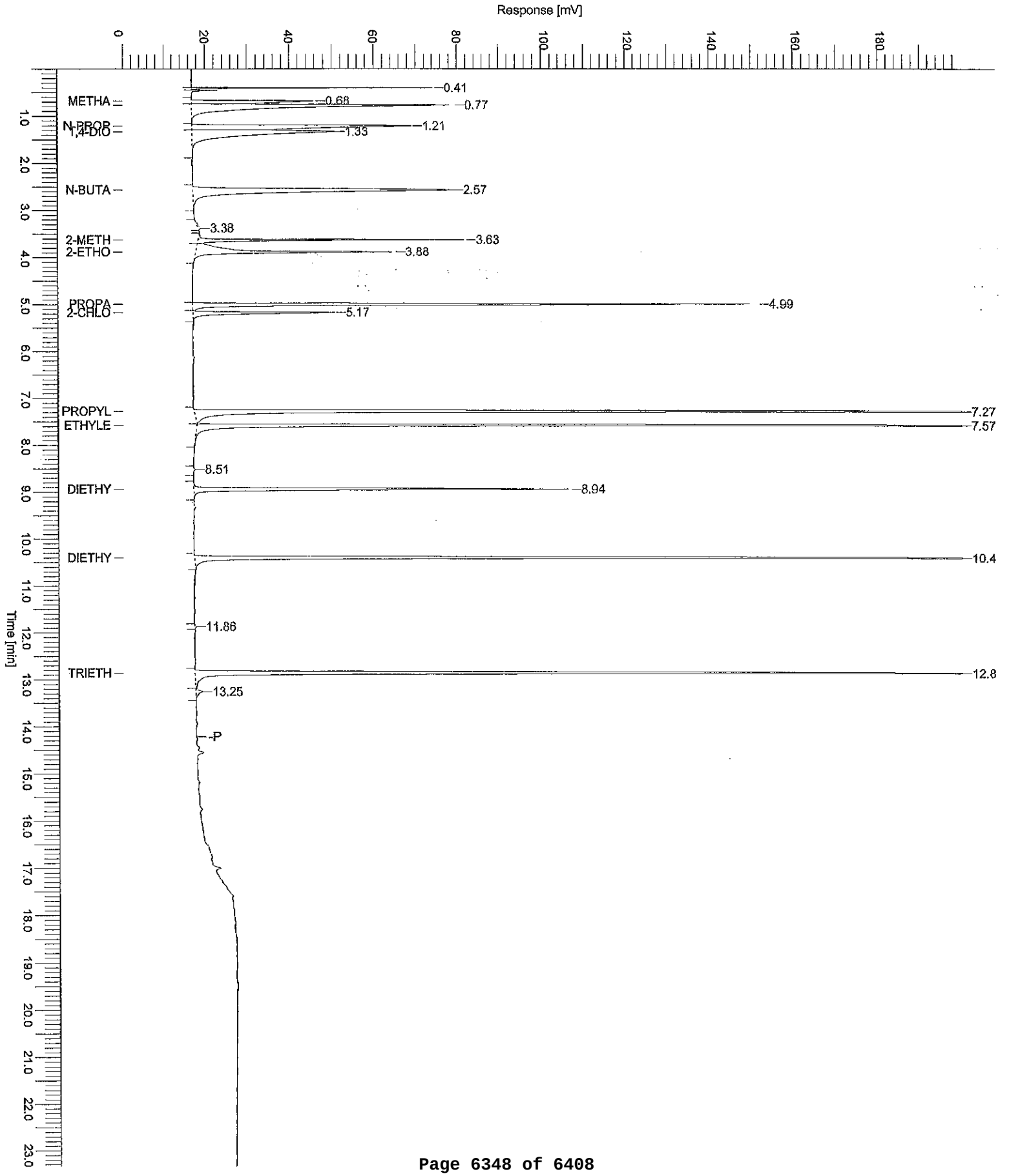
ANALYST'S INITIALS:

NOTE: The "Raw Result (ug/mL)" column refers to extract concentrations and excludes the contribution of the dilution factor, final extract volume, & sample amount. The "Sample Concentration (mg/L)" refers to the final calculated concentration that includes the contribution of the above factors.

Report stored in ASCII file: \\aussvr05\tcdata\CHROM\GC11\2012\1205\0503\K-A0003.TX0

Chromatogram

Sample Name : 12E0053-MS1 Sample #: 001 Page 1 of 1
FileName : \\aussvr05\tcdata\CHROM\GC11\2012\1205\0503\K-A0003.raw
Date : 5/4/2012 10:01:57 AM
Method : gcl-glycol-alc-aq Time of Injection: 5/3/2012 5:31:55 PM
Start Time : 0.00 min End Time : 23.35 min Low Point : 0.00 mV High Point : 200.00 mV
Plot Offset: 0.00 mV Plot Scale: 200.0 mV



Software Version	: 6.2.1.0.104:0104	Date	: 5/4/2012 10:02:01 AM
Reprocess Number	: [Not Known]		
Operator	: SML	Sample Name	: 12E0053-MSD1
Sample Number	: 001	Study	: MSD
AutoSampler	: NONE	Rack/Vial	: 0/0
Instrument Name	: GC11	Channel	: A
Interface Serial #	: 1127573585	A/D mV Range	: 2000
Delay Time	: 0.00 min	End Time	: 23.35 min
Sampling Rate	: 2.5000 pts/s		
Sample Volume	: 1.000000 ml	Area Reject	: 0.000000
Sample Amount	: 1.0000	Dilution Factor	: 1.00
Data Acquisition Time	: 5/3/2012 6:01:55 PM	Cycle	: 4

Raw Data File : \\aussvr05\tcdata\CHROM\GC11\2012\1205\0503\K-A0004.raw <Modified>
Result File : \\aussvr05\tcdata\CHROM\GC11\2012\1205\0503\K-A0004.rst
Inst Method : \\aussvr05\tcdata\CHROM\gc11\methods\gcl-glycol-alc-aq from \\aussvr05\tcdata\CHROM\GC11\2012\1205\0503\K-A0004.raw
Proc Method : \\aussvr05\tcdata\chrom\gc11\2012\1205\gcl-glycol-alc-032712 mix a b.mth from
\\aussvr05\tcdata\CHROM\GC11\2012\1205\0503\K-A0004.rst
Calib Method : \\aussvr05\tcdata\chrom\gc11\2012\1205\gcl-glycol-alc-032712 mix a b.mth from
\\aussvr05\tcdata\CHROM\GC11\2012\1205\0503\K-A0004.rst
Report Format File: \\aussvr05\tcdata\CHROM\gc11\reports\8015-lcs-rec-rev012398.rpt
Sequence File : \\aussvr05\tcdata\CHROM\GC11\2012\1205\11A12E03.seq

Noise Threshold	: 1	Area Threshold	: 1000
Bunch Factor	: 2	Multiplier	: 1.0000
Divisor	: 1.0000	Addend	: 0.0000

User1	: ALGL
User2	:
User3	: GC11
User4	:
User5	:
User6	:
User7	:
User8	:
User9	:
User10	:

Total number of peaks detected : 18
Instrument Conditions
Capillary GC -
Instrument : GCL
Column : STABILWAX-D
Carrier Gas : H2
Injection Temp.: 260 C
Detector 1 : FID 265 C
Temp. Program : 40 C - 210 C at 12.5 C/min. IH= 2 min FH= 0 min.
210-245 at 20 C/min. FH = 6 min. Run time = 23.35 min.
Range: Det A = 1

**** 8015 Report ****

Peak #	Time [min]	Component Name	Raw Result (ug/mL)	Area [uV*sec]	Height [uV]	Sample Conc. (mg/L)	adjusted spike amt	BL	LCS/surr. rec. (%)	Cal. Range
1	0.406		0.0293	29342.40	28006.95	0.0293	---	BB	---	
2	0.685	Methanol *|67-56-1	87.2143	112051.41	36174.15	87.2143	100	BV	87	
3	0.770	Ethanol *|64-17-5	112.3203	265968.99	71015.19	112.3203	100	VB	112	
-	0.827	2-Propanol *|67-63-0	0.0000	0.00	0.00	0.0000	---		---	
4	1.209	n-Propanol *|71-23-8	94.3575	241557.76	59757.56	94.3575	100	BV	94	
5	1.332	1,4-Dioxane *|123-91-1	117.8828	218001.04	37321.73	117.8828	100	VB	118	
-	1.977	Isobutanol *|78-83-1	0.0000	0.00	0.00	0.0000	---		---	
6	2.566	n-Butanol *|71-36-3	103.0916	318109.60	63576.83	103.0916	100	BB	103	
7	3.379		0.0033	3302.80	541.61	0.0033	---	BB	---	
8	3.628	2-Methoxyethanol *|109-86-4	80.9284	112940.07	63991.43	80.9284	100	BV	81	
9	3.885	2-Ethoxyethanol *|110-80-5	99.0044	171625.53	45833.76	99.0044	100	VB	99	
10	4.988	Propargyl Alcohol *|107-19-7	103.8899	332439.46	148418.94	103.8899	100	BV	104	
11	5.169	2-Chloroethanol *|107-07-3	100.1337	95492.54	37409.11	100.1337	100	VB	100	
12	7.279	Propylene Glycol *|Q764	371.8493	607780.80	273014.49	371.8493	400	BB	93	
13	7.578	Ethylene Glycol *|107-21-1	404.9736	546422.40	263866.35	404.9736	400	BB	101	
14	8.938	Diethylene Gly. BE *|112-34-5	105.0404	243689.60	93288.91	105.0404	100	BB	105	
15	10.402	Diethylene Glycol *|Q763	417.7692	575917.60	250745.22	417.7692	400	BB	104	
16	11.863		0.0010	1045.60	309.77	0.0010	---	BB	---	
17	12.856	Triethylene Glycol *|112-27-6	423.8768	586059.22	216728.27	423.8768	400	BV	106	
18	13.249		0.0078	7806.38	1604.59	0.0078	---	VB	---	
-	21.000	UPRT	0.0000	0.00	0.00	0.0000	---		---	
			2622.3738	4469553.20	1.69e+06	2622.3738				

BJD 5/4/12

ANALYST'S INITIALS: _____

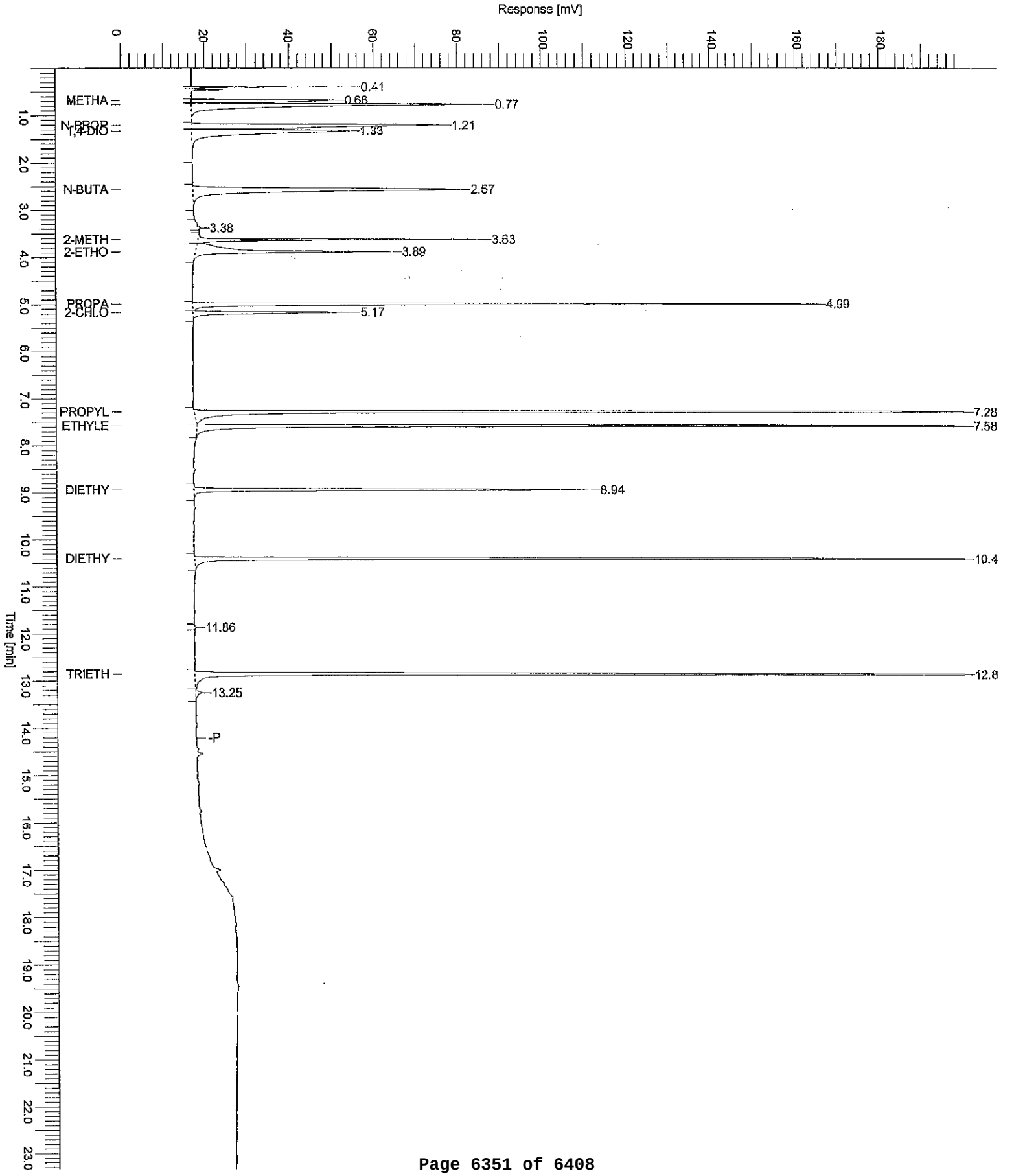
5/4/2012 10:02:01 AM Result: \\aussvr05\tcdata\CHROM\GC11\2012\1205\0503\K-A0004.rst

NOTE: The "Raw Result (ug/mL)" column refers to extract concentrations and excludes the contribution of the dilution factor, final extract volume, & sample amount. The "Sample Concentration (mg/L)" refers to the final calculated concentration that includes the contribution of the above factors.

Report stored in ASCII file: \\aussvr05\tcdata\CHROM\GC11\2012\1205\0503\K-A0004.TX0

Chromatogram

Sample Name : 12E0053-MSD1 Sample #: 001 Page 1 of 1
FileName : \\aussvr05\tcdata\CHROM\GC11\2012\1205\0503\K-A0004.raw
Date : 5/4/2012 10:02:02 AM
Method : gcl-glycol-atc-aq Time of Injection: 5/3/2012 6:01:55 PM
Start Time : 0.00 min End Time : 23.35 min Low Point : 0.00 mV High Point : 200.00 mV
Plot Offset: 0.00 mV Plot Scale: 200.0 mV



Software Version	: 6.2.1.0.104:0104	Date	: 5/4/2012 10:02:11 AM
Reprocess Number	: [Not Known]		
Operator	: SML	Sample Name	: 12E0053-BLK1
Sample Number	: 001	Study	: MB
AutoSampler	: NONE	Rack/Vial	: 0/0
Instrument Name	: GC11	Channel	: A
Interface Serial #	: 1127573585	A/D mV Range	: 2000
Delay Time	: 0.00 min	End Time	: 23.35 min
Sampling Rate	: 2.5000 pts/s		
Sample Volume	: 1.000000 ml	Area Reject	: 0.000000
Sample Amount	: 1.0000	Dilution Factor	: 1.00
Data Acquisition Time	: 5/3/2012 7:01:40 PM	Cycle	: 6

Raw Data File : \\aussvr05\tcdata\CHROM\GC11\2012\1205\0503\K-A0006.raw <Modified>
Result File : \\aussvr05\tcdata\CHROM\GC11\2012\1205\0503\K-A0006.rst
Inst Method : \\aussvr05\tcdata\CHROM\gc11\methods\gcl-glycol-alc-aq from \\aussvr05\tcdata\CHROM\GC11\2012\1205\0503\K-A0006.raw
Proc Method : \\aussvr05\tcdata\chrom\gc11\2012\1205\gcl-glycol-alc-032712 mix a b.mth from
\\aussvr05\tcdata\CHROM\GC11\2012\1205\0503\K-A0006.rst
Calib Method : \\aussvr05\tcdata\chrom\gc11\2012\1205\gcl-glycol-alc-032712 mix a b.mth from
\\aussvr05\tcdata\CHROM\GC11\2012\1205\0503\K-A0006.rst
Report Format File: \\aussvr05\tcdata\CHROM\gc11\reports\8015-surr-rec-rev012398.rpt
Sequence File : \\aussvr05\tcdata\CHROM\GC11\2012\1205\11A12E03.seq

Noise Threshold	: 1	Area Threshold	: 1000
Bunch Factor	: 2	Multiplier	: 1.0000
Divisor	: 1.0000	Addend	: 0.0000

User1	: ALGL
User2	:
User3	: GC11
User4	:
User5	:
User6	:
User7	:
User8	:
User9	:
User10	:

Total number of peaks detected : 4
Instrument Conditions
Capillary GC -
Instrument : GCL
Column : STABILWAX-D
Carrier Gas : H2
Injection Temp.: 260 C
Detector 1 : FID 265 C
Temp. Program : 40 C - 210 C at 12.5 C/min. IH= 2 min FH= 0 min.
210-245 at 20 C/min. FH = 6 min. Run time = 23.35 min.
Range: Det A = 1

**** 8015 Report ****

Peak #	Time [min]	Component Name	Raw Result (ug/mL)	Area [uV*sec]	Height [uV]	Sample Conc. (mg/L)	adjusted spike amt	BL	Surrogate rec. (%)	Cal. Range
-	0.689	Methanol *|67-56-1	0.0000	0.00	0.00	0.0000	-------		---	
-	0.772	Ethanol *|64-17-5	0.0000	0.00	0.00	0.0000	-------		---	
-	0.827	2-Propanol *|67-63-0	0.0000	0.00	0.00	0.0000	-------		---	
-	1.213	n-Propanol *|71-23-8	0.0000	0.00	0.00	0.0000	-------		---	
-	1.337	1,4-Dioxane *|123-91-1	0.0000	0.00	0.00	0.0000	-------		---	
-	1.977	Isobutanol *|78-83-1	0.0000	0.00	0.00	0.0000	-------		---	
-	2.570	n-Butanol *|71-36-3	0.0000	0.00	0.00	0.0000	-------		---	
1	3.370		0.0121	12096.80	919.15	0.0121	-------	BB	---	
-	3.634	2-Methoxyethanol *|109-86-4	0.0000	0.00	0.00	0.0000	-------		---	
-	3.890	2-Ethoxyethanol *|110-80-5	0.0000	0.00	0.00	0.0000	-------		---	
2	4.989	Propargyl Alcohol *|107-19-7	82.0548	263125.60	114014.32	82.0548	1.0e+02	BB	82	
-	5.174	2-Chloroethanol *|107-07-3	0.0000	0.00	0.00	0.0000	-------		---	
-	7.282	Propylene Glycol *|Q764	0.0000	0.00	0.00	0.0000	-------		---	
-	7.580	Ethylene Glycol *|107-21-1	0.0000	0.00	0.00	0.0000	-------		---	
-	8.940	Diethylene Gly. BE *|112-34-5	0.0000	0.00	0.00	0.0000	-------		---	
-	10.401	Diethylene Glycol *|Q763	0.0000	0.00	0.00	0.0000	-------		---	
3	12.858	Triethylene Glycol *|112-27-6	0.1953	2592.80	927.28	0.1953	4.0e+02	BB	---	-
4	13.249		0.0053	5324.80	1288.68	0.0053	-------	BB	---	
-	21.000	UPRT	0.0000	0.00	0.00	0.0000	-------		---	
			82.2676	283140.00	117149.44	82.2676	5.0e+02		82	

BLD 5/4/12

ANALYST'S INITIALS:
NOTE: The "Raw Result (ug/mL)" column refers to extract concentrations and excludes the contribution of the dilution factor, final extract volume, &

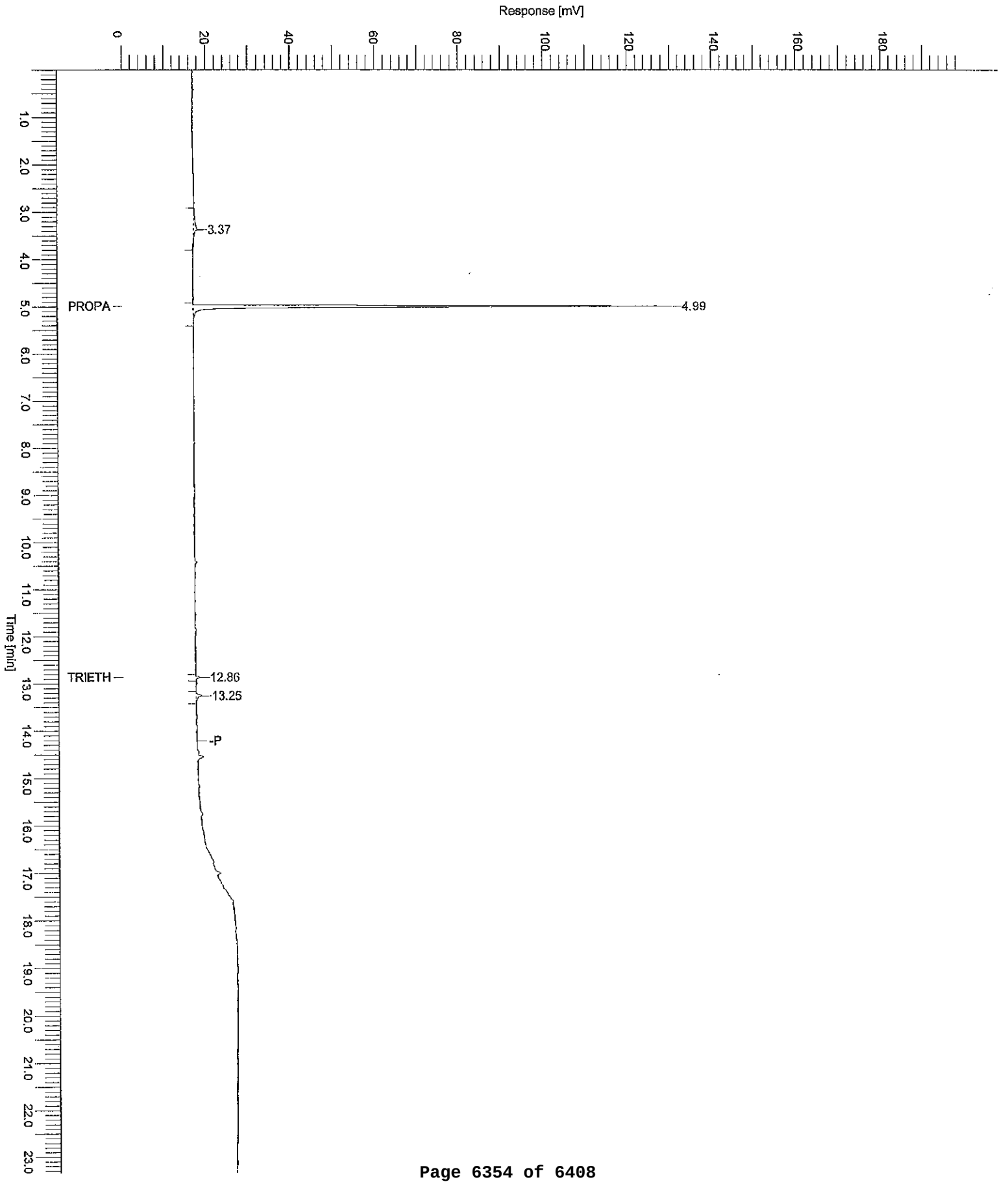
5/4/2012 10:02:11 AM Result: \\aussvr05\tcdata\CHROM\GC11\2012\1205\0503\K-A0006.rst

sample amount. The "Sample Concentration (mg/L)" refers to the final calculated concentration that includes the contribution of the above factors.

Report stored in ASCII file: \\aussvr05\tcdata\CHROM\GC11\2012\1205\0503\K-A0006.TX0

Chromatogram

Sample Name : 12E0053-BLK1 Sample #: 001 Page 1 of 1
FileName : \\aussvr05\tcdata\CHROM\GC11\2012\1205\0503\K-A0006.raw
Date : 5/4/2012 10:02:12 AM
Method : gcl-glycol-alc-aq Time of Injection: 5/3/2012 7:01:40 PM
Start Time : 0.00 min End Time : 23.35 min Low Point : 0.00 mV High Point : 200.00 mV
Plot Offset: 0.00 mV Plot Scale: 200.0 mV



Software Version	: 6.2.1.0.104:0104	Date	: 5/4/2012 10:02:31 AM
Reprocess Number	: [Not Known]		
Operator	: SML	Sample Name	: AXE0005-04
Sample Number	: 001	Study	: PARENT
AutoSampler	: NONE	Rack/Vial	: 0/0
Instrument Name	: GC11	Channel	: A
Interface Serial #	: 1127573585	A/D mV Range	: 2000
Delay Time	: 0.00 min	End Time	: 23.35 min
Sampling Rate	: 2.5000 pts/s		
Sample Volume	: 1.000000 ml	Area Reject	: 0.000000
Sample Amount	: 1.0000	Dilution Factor	: 1.00
Data Acquisition Time	: 5/3/2012 9:00:52 PM	Cycle	: 10

Raw Data File : \\aussvr05\tcdata\CHROM\GC11\2012\1205\0503\K-A0010.raw <Modified>
Result File : \\aussvr05\tcdata\CHROM\GC11\2012\1205\0503\K-A0010.rst
Inst Method : \\aussvr05\tcdata\CHROM\gc11\methods\gcl-glycol-alc-aq from \\aussvr05\tcdata\CHROM\GC11\2012\1205\0503\K-A0010.raw
Proc Method : \\aussvr05\tcdata\chrom\gc11\2012\1205\gcl-glycol-alc-032712 mix a b.mth from
\\aussvr05\tcdata\CHROM\GC11\2012\1205\0503\K-A0010.rst
Calib Method : \\aussvr05\tcdata\chrom\gc11\2012\1205\gcl-glycol-alc-032712 mix a b.mth from
\\aussvr05\tcdata\CHROM\GC11\2012\1205\0503\K-A0010.rst
Report Format File: \\aussvr05\tcdata\CHROM\gc11\reports\8015-surr-rec-rev012398.rpt
Sequence File : \\aussvr05\tcdata\CHROM\GC11\2012\1205\11A12E03.seq

Noise Threshold	: 1	Area Threshold	: 1000
Bunch Factor	: 2	Multiplier	: 1.0000
Divisor	: 1.0000	Addend	: 0.0000

User1	: ALGL
User2	:
User3	: GC11
User4	:
User5	:
User6	:
User7	:
User8	:
User9	:
User10	:

Total number of peaks detected : 4
Instrument Conditions
Capillary GC -
Instrument : GCL
Column : STABILWAX-D
Carrier Gas : H2
Injection Temp.: 260 C
Detector 1 : FID 265 C
Temp. Program : 40 C - 210 C at 12.5 C/min. IH= 2 min FH= 0 min.
210-245 at 20 C/min. FH = 6 min. Run time = 23.35 min.
Range: Det A = 1

**** 8015 Report ****

Peak #	Time [min]	Component Name	Raw Result (ug/mL)	Area [uV*sec]	Height [uV]	Sample Conc. (mg/L)	adjusted spike amt	BL	Surrogate rec. (%)	Cal. Range
1	0.406		0.0065	6514.80	5095.56	0.0065	-------	BB	---	
-	0.689	Methanol *|67-56-1	0.0000	0.00	0.00	0.0000	-------		---	
-	0.772	Ethanol *|64-17-5	0.0000	0.00	0.00	0.0000	-------		---	
-	0.827	2-Propanol *|67-63-0	0.0000	0.00	0.00	0.0000	-------		---	
-	1.213	n-Propanol *|71-23-8	0.0000	0.00	0.00	0.0000	-------		---	
-	1.337	1,4-Dioxane *|123-91-1	0.0000	0.00	0.00	0.0000	-------		---	
-	1.977	Isobutanol *|78-83-1	0.0000	0.00	0.00	0.0000	-------		---	
-	2.570	n-Butanol *|71-36-3	0.0000	0.00	0.00	0.0000	-------		---	
2	3.368		0.0114	11384.00	894.90	0.0114	-------	BB	---	
-	3.634	2-Methoxyethanol *|109-86-4	0.0000	0.00	0.00	0.0000	-------		---	
-	3.890	2-Ethoxyethanol *|110-80-5	0.0000	0.00	0.00	0.0000	-------		---	
3	4.988	Propargyl Alcohol *|107-19-7	100.5852	321948.80	124449.64	100.5852	1.0e+02	BB	101	
-	5.174	2-Chloroethanol *|107-07-3	0.0000	0.00	0.00	0.0000	-------		---	
-	7.282	Propylene Glycol *|Q764	0.0000	0.00	0.00	0.0000	-------		---	
-	7.580	Ethylene Glycol *|107-21-1	0.0000	0.00	0.00	0.0000	-------		---	
-	8.940	Diethylene Gly. BE *|112-34-5	0.0000	0.00	0.00	0.0000	-------		---	
-	10.401	Diethylene Glycol *|Q763	0.0000	0.00	0.00	0.0000	-------		---	
-	12.857	Triethylene Glycol *|112-27-6	0.0000	0.00	0.00	0.0000	-------		---	
4	13.246		0.0042	4236.00	1010.97	0.0042	-------	BB	---	
-	21.000	UPRT	0.0000	0.00	0.00	0.0000	-------		---	
			100.6073	344083.60	131451.07	100.6073	1.0e+02		101	

BDS 5/4/12

ANALYST'S INITIALS: _____

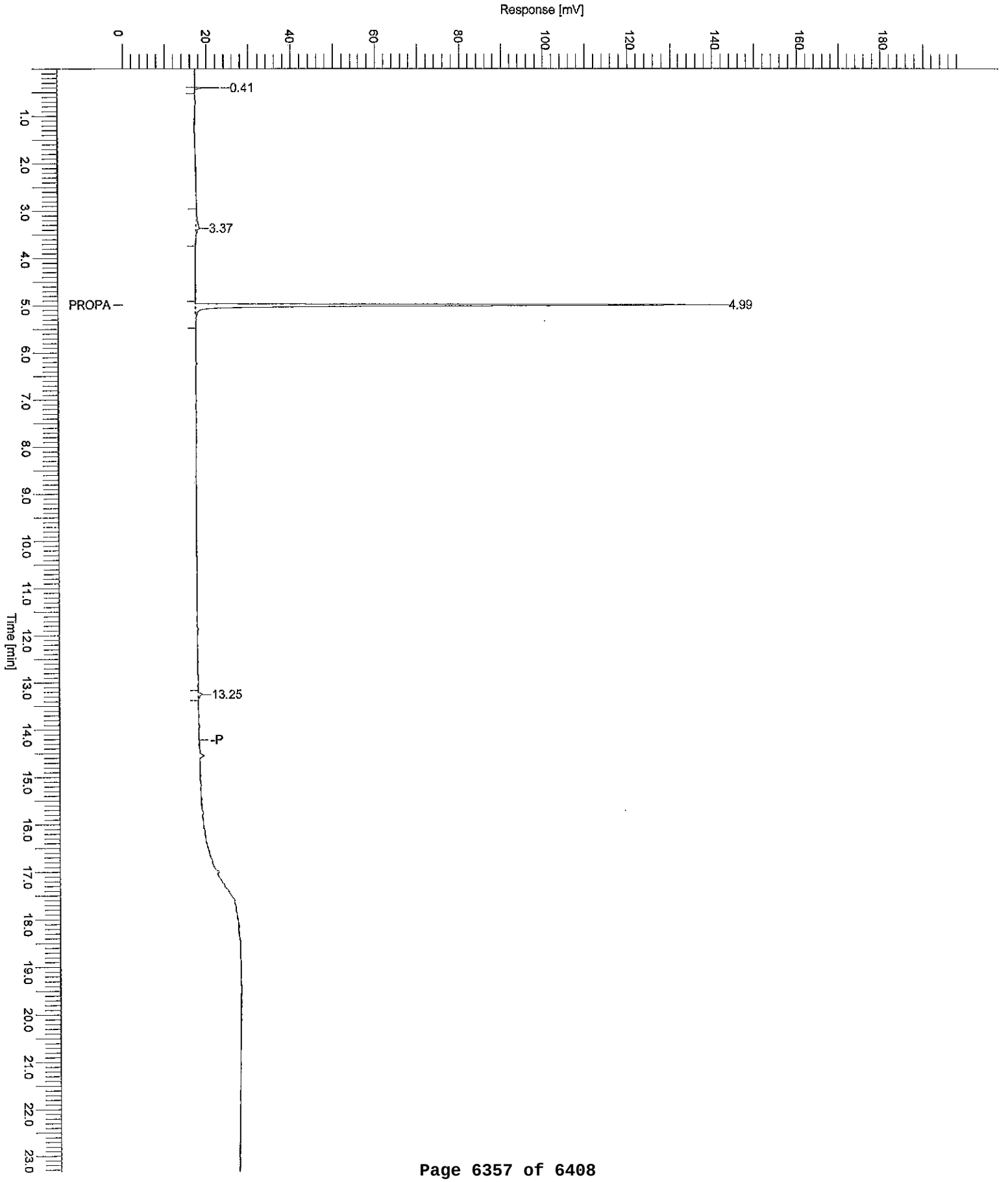
5/4/2012 10:02:31 AM Result: \\aussvr05\tcdata\CHROM\GC11\2012\1205\0503\K-A0010.rst

NOTE: The "Raw Result (ug/mL)" column refers to extract concentrations and excludes the contribution of the dilution factor, final extract volume, & sample amount. The "Sample Concentration (mg/L)" refers to the final calculated concentration that includes the contribution of the above factors.

Report stored in ASCII file: \\aussvr05\tcdata\CHROM\GC11\2012\1205\0503\K-A0010.TX0

Chromatogram

Sample Name : AVE0005-04 Sample #: 001 Page 1 of 1
FileName : \\aussvr05\tcdata\CHROM\GC11\2012\1205\0503\K-A0010.raw
Date : 5/4/2012 10:02:32 AM
Method : gcl-glycol-alc-aq Time of Injection: 5/3/2012 9:00:52 PM
Start Time : 0.00 min End Time : 23.35 min Low Point : 0.00 mV High Point : 200.00 mV
Plot Offset: 0.00 mV Plot Scale: 200.0 mV



Software Version	: 6.2.1.0.104:0104	Date	: 5/4/2012 10:02:55 AM
Reprocess Number	: [Not Known]		
Operator	: SML	Sample Name	: AVE0007-01
Sample Number	: 001	Study	
AutoSampler	: NONE	Rack/Vial	: 0/0
Instrument Name	: GC11	Channel	: A
Interface Serial #	: 1127573585	A/D mV Range	: 2000
Delay Time	: 0.00 min	End Time	: 23.35 min
Sampling Rate	: 2.5000 pts/s		
Sample Volume	: 1.000000 ml	Area Reject	: 0.000000
Sample Amount	: 1.0000	Dilution Factor	: 1.00
Data Acquisition Time	: 5/3/2012 11:29:13 PM	Cycle	: 15

Raw Data File : \\aussvr05\tcdata\CHROM\GC11\2012\1205\0503\K-A0015.raw <Modified>
Result File : \\aussvr05\tcdata\CHROM\GC11\2012\1205\0503\K-A0015.rst
Inst Method : \\aussvr05\tcdata\CHROM\gc11\methods\gcl-glycol-alc-aq from \\aussvr05\tcdata\CHROM\GC11\2012\1205\0503\K-A0015.raw
Proc Method : \\aussvr05\tcdata\chrom\gc11\2012\1205\gcl-glycol-alc-032712 mix a b.mth from
\\aussvr05\tcdata\CHROM\GC11\2012\1205\0503\K-A0015.rst
Calib Method : \\aussvr05\tcdata\chrom\gc11\2012\1205\gcl-glycol-alc-032712 mix a b.mth from
\\aussvr05\tcdata\CHROM\GC11\2012\1205\0503\K-A0015.rst
Report Format File: \\aussvr05\tcdata\CHROM\gc11\reports\8015-surr-rec-rev012398.rpt
Sequence File : \\aussvr05\tcdata\CHROM\GC11\2012\1205\11A12E03.seq

Noise Threshold	: 1	Area Threshold	: 1000
Bunch Factor	: 2	Multiplier	: 1.0000
Divisor	: 1.0000	Addend	: 0.0000

User1	: ALGL
User2	:
User3	: GC11
User4	:
User5	:
User6	:
User7	:
User8	:
User9	:
User10	:

Total number of peaks detected : 6
Instrument Conditions
Capillary GC -
Instrument : GCL
Column : STABILWAX-D
Carrier Gas : H2
Injection Temp.: 260 C
Detector 1 : FID 265 C
Temp. Program : 40 C - 210 C at 12.5 C/min. IH= 2 min FH= 0 min.
210-245 at 20 C/min. FH = 6 min. Run time = 23.35 min.
Range: Det A = 1

**** 8015 Report ****

Peak #	Time [min]	Component Name	Raw Result (ug/mL)	Area [uV*sec]	Height [uV]	Sample Conc. (mg/L)	adjusted spike amt	BL	Surrogate rec. (%)	Cal. Range
1	0.403		0.0051	5105.60	3496.67	0.0051	-------	BB	---	
2	0.667		0.0195	19454.00	9969.15	0.0195	-------	BB	---	
-	0.689	Methanol *|67-56-1	0.0000	0.00	0.00	0.0000	-------		---	
-	0.772	Ethanol *|64-17-5	0.0000	0.00	0.00	0.0000	-------		---	
-	0.827	2-Propanol *|67-63-0	0.0000	0.00	0.00	0.0000	-------		---	
3	1.039		0.0044	4387.20	1884.86	0.0044	-------	BB	---	
-	1.213	n-Propanol *|71-23-8	0.0000	0.00	0.00	0.0000	-------		---	
-	1.337	1,4-Dioxane *|123-91-1	0.0000	0.00	0.00	0.0000	-------		---	
-	1.977	Isobutanol *|78-83-1	0.0000	0.00	0.00	0.0000	-------		---	
-	2.570	n-Butanol *|71-36-3	0.0000	0.00	0.00	0.0000	-------		---	
4	3.371		0.0127	12720.40	921.90	0.0127	-------	BB	---	
-	3.634	2-Methoxyethanol *|109-86-4	0.0000	0.00	0.00	0.0000	-------		---	
-	3.890	2-Ethoxyethanol *|110-80-5	0.0000	0.00	0.00	0.0000	-------		---	
5	4.988	Propargyl Alcohol *|107-19-7	103.9790	332722.40	126392.71	103.9790	1.0e+02	BB	104	
-	5.174	2-Chloroethanol *|107-07-3	0.0000	0.00	0.00	0.0000	-------		---	
-	7.282	Propylene Glycol *|Q764	0.0000	0.00	0.00	0.0000	-------		---	
-	7.580	Ethylene Glycol *|107-21-1	0.0000	0.00	0.00	0.0000	-------		---	
-	8.940	Diethylene Gly. BE *|112-34-5	0.0000	0.00	0.00	0.0000	-------		---	
-	10.401	Diethylene Glycol *|Q763	0.0000	0.00	0.00	0.0000	-------		---	
-	12.857	Triethylene Glycol *|112-27-6	0.0000	0.00	0.00	0.0000	-------		---	
6	13.245		0.0032	3156.80	731.92	0.0032	-------	BB	---	
-	21.000	UPRT	0.0000	0.00	0.00	0.0000	-------		---	
			104.0239	377546.40	143397.20	104.0239	1.0e+02		104	

BLD 5/4/12

5/4/2012 10:02:55 AM Result: \\aussvr05\tcdata\CHROM\GC11\2012\1205\0503\K-A0015.rst

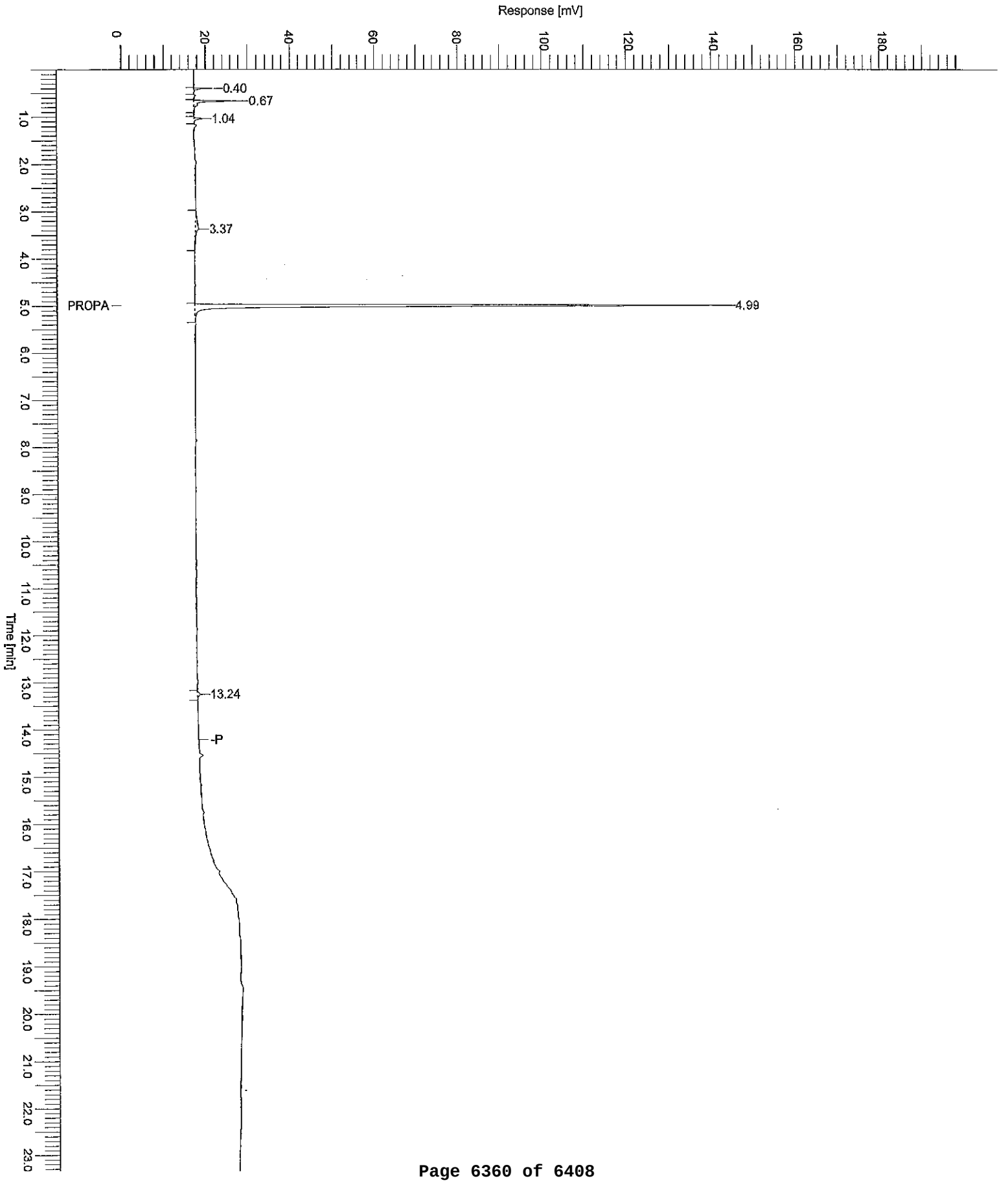
ANALYST'S INITIALS:

NOTE: The "Raw Result (ug/mL)" column refers to extract concentrations and excludes the contribution of the dilution factor, final extract volume, & sample amount. The "Sample Concentration (mg/L)" refers to the final calculated concentration that includes the contribution of the above factors.

Report stored in ASCII file: \\aussvr05\tcdata\CHROM\GC11\2012\1205\0503\K-A0015.TX0

Chromatogram

Sample Name : AVE0007-01 Sample #: 001 Page 1 of 1
FileName : \\aussvr05\tcdata\CHROM\GC11\2012\1205\0503\K-A0015.raw
Date : 5/4/2012 10:02:56 AM
Method : gcl-glycol-alc-aq Time of Injection: 5/3/2012 11:29:13 PM
Start Time : 0.00 min End Time : 23.35 min Low Point : 0.00 mV High Point : 200.00 mV
Plot Offset: 0.00 mV Plot Scale: 200.0 mV



Software Version	: 6.2.1.0.104:0104	Date	: 5/4/2012 10:03:00 AM
Reprocess Number	: [Not Known]		
Operator	: SML	Sample Name	: CCV A
Sample Number	: 003	Study	: AV01000
AutoSampler	: NONE	Rack/Vial	: 0/0
Instrument Name	: GC11	Channel	: A
Interface Serial #	: 1127573585	A/D mV Range	: 2000
Delay Time	: 0.00 min	End Time	: 23.35 min
Sampling Rate	: 2.5000 pts/s		
Sample Volume	: 1.000000 ml	Area Reject	: 0.000000
Sample Amount	: 1.0000	Dilution Factor	: 1.00
Data Acquisition Time	: 5/3/2012 11:58:50 PM	Cycle	: 16

Raw Data File : \\aussvr05\tcdata\CHROM\GC11\2012\1205\0503\K-A0016.raw <Modified>
Result File : \\aussvr05\tcdata\CHROM\GC11\2012\1205\0503\K-A0016.rst
Inst Method : \\aussvr05\tcdata\CHROM\gc11\methods\gcl-glycol-alc-aq from \\aussvr05\tcdata\CHROM\GC11\2012\1205\0503\K-A0016.raw
Proc Method : \\aussvr05\tcdata\chrom\gc11\2012\1205\gcl-glycol-alc-032712 mix a b.mth from
\\aussvr05\tcdata\CHROM\GC11\2012\1205\0503\K-A0016.rst
Calib Method : \\aussvr05\tcdata\chrom\gc11\2012\1205\gcl-glycol-alc-032712 mix a b.mth from
\\aussvr05\tcdata\CHROM\GC11\2012\1205\0503\K-A0016.rst
Report Format File: \\aussvr05\tcdata\CHROM\gc11\reports\8015-high-ccv-rec-rev.rpt
Sequence File : \\aussvr05\tcdata\CHROM\GC11\2012\1205\11A12E03.seq

Noise Threshold	: 1	Area Threshold	: 1000
Bunch Factor	: 2	Multiplier	: 1.0000
Divisor	: 1.0000	Addend	: 0.0000

User1	: ALGL:C3
User2	:
User3	: GC11
User4	:
User5	:
User6	:
User7	:
User8	:
User9	:
User10	:

Total number of peaks detected : 17
Instrument Conditions
Capillary GC -
Instrument : GCL
Column : STABILWAX-D
Carrier Gas : H2
Injection Temp.: 260 C
Detector 1 : FID 265 C
Temp. Program : 40 C - 210 C at 12.5 C/min. IH= 2 min FH= 0 min.
210-245 at 20 C/min. FH = 6 min. Run time = 23.35 min.
Range: Det A = 1

**** 8015 Report ****

Peak #	Time [min]	Component Name	Raw Result (ug/mL)	Area [uV*sec]	Height [uV]	Sample Conc. (mg/L)	BL	ICV/CCV rec. (%)	Cal. Range
1	0.461		0.0022	2177.20	1154.29	0.0022	BB	---	
2	0.679	Methanol *|67-56-1	91.2501	117236.56	36302.11	91.2501	BV	91	
3	0.765	Ethanol *|64-17-5	109.0564	258240.24	72988.28	109.0564	VB	109	
-	0.827	2-Propanol *|67-63-0	0.0000	0.00	0.00	0.0000		---	
4	1.202	n-Propanol *|71-23-8	96.1663	246073.11	65224.24	96.1663	BV	96	
5	1.325	1,4-Dioxane *|123-91-1	114.3501	211341.29	36581.17	114.3501	VB	114	
-	1.977	Isobutanol *|78-83-1	0.0000	0.00	0.00	0.0000		---	
6	2.556	n-Butanol *|71-36-3	102.8652	317420.80	64396.43	102.8652	BB	103	
7	3.375		0.0035	3542.00	480.95	0.0035	BB	---	
8	3.622	2-Methoxyethanol *|109-86-4	79.4025	110842.29	62244.16	79.4025	BV	79	
9	3.880	2-Ethoxyethanol *|110-80-5	98.2909	170412.11	45954.89	98.2909	VB	98	
10	4.983	Propargyl Alcohol *|107-19-7	103.5236	331276.72	142840.40	103.5236	BV	104	
11	5.164	2-Chloroethanol *|107-07-3	105.1541	100245.68	37313.42	105.1541	VB	105	
12	7.277	Propylene Glycol *|Q764	356.8687	583300.00	271465.80	356.8687	BB	89	
13	7.577	Ethylene Glycol *|107-21-1	404.6538	545991.20	254997.99	404.6538	BB	101	
14	8.932	Diethylene Gly. BE *|112-34-5	104.3163	242009.60	92955.63	104.3163	BB	104	
15	10.398	Diethylene Glycol *|Q763	418.5281	576958.40	238125.72	418.5281	BB	105	
16	12.851	Triethylene Glycol *|112-27-6	410.8753	568154.40	198775.48	410.8753	BE	103	
17	13.242		0.0079	7881.60	936.39	0.0079	EB	---	
-	21.000	UPRT	0.0000	0.00	0.00	0.0000		---	
			2595.3149	4393103.20	1.62e+06	2595.3149			

±15%

BD 5/4/12

ANALYST'S INITIALS: _____

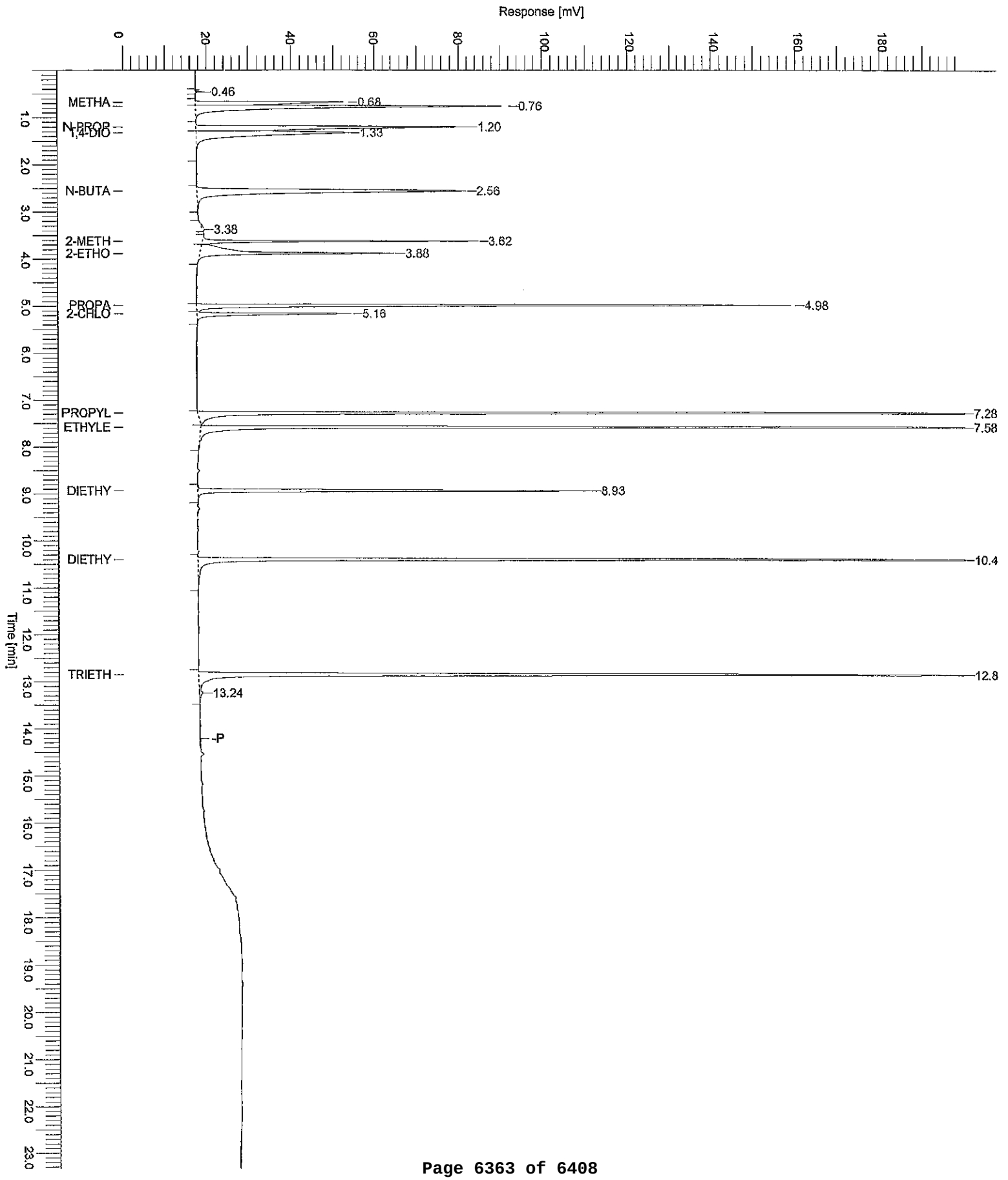
5/4/2012 10:03:00 AM Result: \\aussvr05\tcdata\CHROM\GC11\2012\1205\0503\K-A0016.rst

NOTE: The "Raw Result (ug/mL)" column refers to extract concentrations and excludes the contribution of the dilution factor, final extract volume, & sample amount. The "Sample Concentration (mg/L)" refers to the final calculated concentration that includes the contribution of the above factors.

Report stored in ASCII file: \\aussvr05\tcdata\CHROM\GC11\2012\1205\0503\K-A0016.TX0

Chromatogram

Sample Name : CCV A Sample #: 003 Page 1 of 1
FileName : \\aussvr05\tcdata\CHROM\GC11\2012\1205\0503\K-A0016.raw
Date : 5/4/2012 10:03:00 AM
Method : gcl-glycol-alc-aq Time of Injection: 5/3/2012 11:58:50 PM
Start Time : 0.00 min End Time : 23.35 min Low Point : 0.00 mV High Point : 200.00 mV
Plot Offset: 0.00 mV Plot Scale: 200.0 mV



CALIBRATION DATA

TestAmerica Austin

GC SEMIS INITIAL CALIBRATION REVIEW FORM

Instrument	GC-11			
Date Analyzed	3/27/12			
Method / Matrix	8015 DAI			
Standard Number(s)	SEE SEQUENCE			
Review Item	**YES**	**NO**	**NA**	**2nd Review**
Check to be sure correct levels were used (i.e., none inappropriately skipped).	X			✓
Check to be sure that the appropriate number of points for each compound. 5pt's	X			✓
Check to be sure the internal standard concentration is correct BUD 4/2/12	~~X~~		✓	✓
Check to be sure that the sequence files match the instrument files.	X			✓
Check that the quant reports for manually-integrated compounds are in the folder and the area counts match those in the method.	X			✓-NA
Check that all manual integrations are acceptable and documented appropriately.	X			✓-NA
If additional compound(s) are calibrated for separately, be sure they use appropriate additional levels.	X			✓
A copy of the sequence file is included in the ICAL folder.	X			✓
Were the curve criteria met for the various GC methods (i.e. TX1005, DRO, DAI). A list of compounds showing fit and plots for those analytes using linear regression (if applicable).	X			✓
Second source check standard analyzed successfully immediately after ICAL. */2nd Analyst	X			✓
RF for C35 peak> 75% of RF for nC28 Peak (TX1005)			X	✓
Second source check reprocessed under correct method. Electronic and hard copy calibration methods match.	X			✓
Pass resolution check criteria BUD 4/2/12	~~X~~		✓	✓

Comments:

Analyst: SML Date: 3/29/12

2nd Review: BUD Date: 4/2/12

Austin Laboratory
INSTRUMENT GC-L1 (11)
SHIFT (Circle): 1 2 3
COMPUTER CLOCK DATE / TIME:

PAGE #: 0060
ANALYST / DATE: 3-27-12
METHOD / TEST: 8015 DAI
SOP #: AU-GC-005, current rev.

DAILY CHECK ✓	INSERT CHANGED ✓	SEPTA CHANGED —	COLUMN CHANGED —	GASES CHANGED —
FID jet changed detector cleaned —				
OTHER —				

DAILY CHECK includes sufficient carrier and detector gases, correct column flow/pressure, condition of septa, etc. Glass insert, septa, column, and gases changed as needed. Detector jets and collectors changed as needed. Detectors cleaned as needed. OTHER is for minor maintenance performed or for reference to Repair Log for major repairs.

GC PROGRAM:

Det. Temp. 270 C
Inj. Temp. 245 C
Carrier Gas: H_2
Flow/Pressure 8
Make-up Gas —
Flow — mL/min

Initial Temp. 40 C
Initial Hold 2 min
Ramp 12.5 C/min
Final Temp. 210 C
Final Hold — min
2nd Ramp — C

2nd Temp. — C
2nd Hold — min
Other Program or Special Conditions:
—
—
—

GC COLUMN:
Column ID#: GC1D1137 / GC1D1139 Column Type: Capillary
Phases/Loadings: Stabilwax i.d. .53 mm Length 30 m
Injection Type: Splitless

INSTRUMENT SEQUENCE:
Sample Name, Sample Number, Dilution, etc.

TotalChrom Sequence File \\aussvr05\tcdata\CHROM\GC11\2012\120311A12C27.seq
Printed by : SML on: 3/29/2012 11:05:06 AM
Created by : SML on: 3/29/2012 10:02:31 AM
Edited by : SML on: 3/29/2012 11:05:02 AM
Number of Times Edited : 1
Description:

Sequence File Header Information:

Number of Rows : 32
Instrument Type : 900 Series Intelligent Interface
Injection Type : SINGLE
Raw tokens channel A :
Result tokens channel A :
Modified tokens channel A :
Raw tokens channel B :
Result tokens channel B :
Modified tokens channel B :

Sequence Sample Descriptions - Channel A

Row	Type	Name	Study name	Dil Factor	Multiplier	Divisor
1	Sample	SBCH		1.000000	1.000000	1.000000 Not Used
2	Cal:Replace	MIX A CAL 1	AV00995	1.000000	1.000000	1.000000
3	Cal:Replace	MIX A CAL 2	AV00996	1.000000	1.000000	1.000000
4	Cal:Replace	MIX A CAL 3	AV00997	1.000000	1.000000	1.000000
5	Cal:Replace	MIX A CAL 4	AV00998	1.000000	1.000000	1.000000
6	Cal:Replace	MIX A CAL 5	AV00999	1.000000	1.000000	1.000000
7	Cal:Replace	MIX A SSV	AV01003	1.000000	1.000000	1.000000
8	Cal:Replace	A DOC		1.000000	1.000000	1.000000
9	Cal:Replace	A DOC		1.000000	1.000000	1.000000
10	Cal:Replace	A DOC		1.000000	1.000000	1.000000
11	Sample	SBCH		1.000000	1.000000	1.000000 Not Used
12	Cal:Replace	MIX B CAL 1	AV01006	1.000000	1.000000	1.000000
13	Cal:Replace	MIX B CAL 2	AV01007	1.000000	1.000000	1.000000
14	Cal:Replace	MIX B CAL 3	AV01008	1.000000	1.000000	1.000000
15	Cal:Replace	MIX B CAL 4	AV01009	1.000000	1.000000	1.000000
16	Cal:Replace	MIX B CAL 5	AV01010	1.000000	1.000000	1.000000
17	Cal:Replace	MIX B SSV	AV01004	1.000000	1.000000	1.000000
18	Cal:Replace	B DOC		1.000000	1.000000	1.000000
19	Cal:Replace	B DOC		1.000000	1.000000	1.000000
20	Cal:Replace	B DOC		1.000000	1.000000	1.000000
21	Sample	SBCH		1.000000	1.000000	1.000000 Not Used
22	Cal:Replace	MIX E CAL 1	AV01011	1.000000	1.000000	1.000000
23	Cal:Replace	MIX E CAL 2	AV01012	1.000000	1.000000	1.000000
24	Cal:Replace	MIX E CAL 3	AV01013	1.000000	1.000000	1.000000
25	Cal:Replace	MIX E CAL 4	AV01014	1.000000	1.000000	1.000000
26	Cal:Replace	MIX E CAL 5	AV01015	1.000000	1.000000	1.000000
27	Cal:Replace	MIX E SSV	AV01005	1.000000	1.000000	1.000000
28	Cal:Replace	E DOC		1.000000	1.000000	1.000000
29	Cal:Replace	E DOC		1.000000	1.000000	1.000000
30	Cal:Replace	E DOC		1.000000	1.000000	1.000000

4/16/12

3-27-12

TotalChrom Sequence File \\aussvr05\tcdata\CHROM\GC11\2012\1203\11A12C27.seq
Printed by : SML on: 3/29/2012 11:05:06 AM
Created by : SML on: 3/29/2012 10:02:31 AM
Edited by : SML on: 3/29/2012 11:05:02 AM
Number of Times Edited : 1
Description:

Sequence File Header Information:

Number of Rows : 32
Instrument Type : 900 Series Intelligent Interface
Injection Type : SINGLE
Raw tokens channel A :
Result tokens channel A :
Modified tokens channel A :
Raw tokens channel B :
Result tokens channel B :
Modified tokens channel B :

Sequence Sample Descriptions - Channel A

Row	Type	Name	Study name	Dil Factor	Multiplier	Divisor	
~~1~~	~~Sample~~	~~SBCH~~		~~1.000000~~	~~1.000000~~	~~1.000000~~	Not Used
2	Cal:Replace	MIX A CAL 1	AV00995	1.000000	1.000000	1.000000	
3	Cal:Replace	MIX A CAL 2	AV00996	1.000000	1.000000	1.000000	
4	Cal:Replace	MIX A CAL 3	AV00997	1.000000	1.000000	1.000000	
5	Cal:Replace	MIX A CAL 4	AV00998	1.000000	1.000000	1.000000	
6	Cal:Replace	MIX A CAL 5	AV00999	1.000000	1.000000	1.000000	BLD 3/29/12
7	Cal:Replace	MIX A SSV	AV01003	1.000000	1.000000	1.000000	
8	Cal:Replace	A DOC		1.000000	1.000000	1.000000	
9	Cal:Replace	A DOC		1.000000	1.000000	1.000000	
10	Cal:Replace	A DOC		1.000000	1.000000	1.000000	
~~11~~	~~Sample~~	~~SBCH~~		~~1.000000~~	~~1.000000~~	~~1.000000~~	Not Used
12	Cal:Replace	MIX B CAL 1	AV01006	1.000000	1.000000	1.000000	
13	Cal:Replace	MIX B CAL 2	AV01007	1.000000	1.000000	1.000000	
14	Cal:Replace	MIX B CAL 3	AV01008	1.000000	1.000000	1.000000	
15	Cal:Replace	MIX B CAL 4	AV01009	1.000000	1.000000	1.000000	
16	Cal:Replace	MIX B CAL 5	AV01010	1.000000	1.000000	1.000000	
17	Cal:Replace	MIX B SSV	AV01004	1.000000	1.000000	1.000000	
18	Cal:Replace	B DOC		1.000000	1.000000	1.000000	
19	Cal:Replace	B DOC		1.000000	1.000000	1.000000	
20	Cal:Replace	B DOC		1.000000	1.000000	1.000000	
~~21~~	~~Sample~~	~~SBCH~~		~~1.000000~~	~~1.000000~~	~~1.000000~~	Not Used
22	Cal:Replace	MIX E CAL 1	AV01011	1.000000	1.000000	1.000000	
23	Cal:Replace	MIX E CAL 2	AV01012	1.000000	1.000000	1.000000	
24	Cal:Replace	MIX E CAL 3	AV01013	1.000000	1.000000	1.000000	
25	Cal:Replace	MIX E CAL 4	AV01014	1.000000	1.000000	1.000000	
26	Cal:Replace	MIX E CAL 5	AV01015	1.000000	1.000000	1.000000	
27	Cal:Replace	MIX E SSV	AV01005	1.000000	1.000000	1.000000	
28	Cal:Replace	E DOC		1.000000	1.000000	1.000000	
29	Cal:Replace	E DOC		1.000000	1.000000	1.000000	
30	Cal:Replace	E DOC		1.000000	1.000000	1.000000	
31	Cal:Replace			1.000000	1.000000	1.000000	
32	Cal:Replace			1.000000	1.000000	1.000000	

3-29-12

TotalChrom Method File \\aussvr05\tcdata\CHROM\GC11\2012\1203\GCL-GLYCOL-ALC-032712 Mix A.mth
Printed by : SML on: 3/29/2012 1:21:31 PM
Created by : SML on: 3/28/2012 4:09:17 PM
Edited by : SML on: 3/29/2012 11:13:58 AM
Number of Times Edited : 2
Number of Times Calibrated : 201
Description:

Instrument Conditions

Capillary GC -
Instrument : GCL
Column : STABILWAX-D
Carrier Gas : H2
Injection Temp.: 260 C
Detector 1 : FID 265 C
Temp. Program : 40 C - 210 C at 12.5 C/min. IH= 2 min FH= 0 min.
210-245 at 20 C/min. FH = 6 min. Run time = 23.05 min.
Range: Det A = 1

Instrument Control Method

Instrument Name : GC11
Instrument Type : 900 Series Intelligent Interface

Interface Parameters

Delay Time : 0.00 min
Run Time : 23.35 min
Sampling Rate : 2.5000 pts/s
Interface Type : 900 Series Intelligent Interface
Analog Voltage Input : 2000 mV
Data will be collected from channel A

Timed Events

There are no timed events in the method

Real Time Plot Parameters

	Pages	Offset (mV)	Scale (mV)
Channel A	1	15.000	200.000

Processing Parameters

Bunch Factor : 2 points
Noise Threshold : 1 µV
Area Threshold : 1000.00 µV

BLD 4/2/12 BLD 4/2/12

Peak Separation Criteria

Width Ratio : 0.200
Valley-to-Peak Ratio : 0.010

Exponential Skim Criteria

Peak Height Ratio : 5.000
Adjusted Height Ratio : 4.000
Valley Height Ratio : 3.000

Baseline Timed Events

Event #1 - Disable Peak Detection at 14.349

Optional Reports

No report format files given

Optional Report Plot Parameters

Plot Number	1	2	3	4	5
Generate this plot	No	No	No	No	No
Start plot at end of delay time	Yes	Yes	Yes	Yes	Yes
Start Time					
End Time					
Scale Type	Vertical Scaling	Vertical Scaling	Vertical Scaling	Vertical Scaling	Vertical Scaling
Scale Factor	1.000	1.000	1.000	1.000	1.000
Full Scale					
Offset					

Annotated Replot Parameters

Offset & Scale set to absolute values
Draw baselines
Include timed event annotations

Automatically set plot start and end times to data limits

Plot Offset : 0.000 µV
Plot Scale : 200.000 µV
Number of Pages : 1
Plot Title : Chromatogram
X-Axis Label : Time [min]
Y-Axis Label : Response [mV]
Orientation : Landscape
Retention Labels : Peak Crests
Component Labels : Actual Time

User Programs

User Program #1 : C:\TC6_Read.exe
Command Line : $RST
Entry Point : Annotated Replot Generation
Synchronize : No

Global Sample Information

Default Sample Volume : 1.000 ml
Quantitation Units : ug/ml
Void Time : 0.000 min
Correct amounts during calibration : No
Convert unknowns to concentration units : Yes
Reject outliers during calibration : No

An External Standard calibration will be used
Unknown peaks will be quantitated using a response factor of 1.000000e+06
First peak will be relative retention reference

Component Information

Methanol *|67-56-1
Component Type : Single Peak Component
Retention Time : 0.788 min
Search Window : 0.00 s, 3.00 %
Reference Component : Propargyl Alcohol *|107-19-7
Find peak closest to expected RT in window
Use Average Calibration Factor (Area / Amount)
Component standard purity percentage : 100.0000%

User Values
Label :
Value 1 : 50.000000
Value 2 : 100.000000
Value 3 : 0.000000
Value 4 : 0.000000
Value 5 : 0.000000

Calibration Level

Level Name	Amount	Area	Height	ISTD Amt.	ISTD Resp.	# Replicates
A1	5.0000	6675.99	2084.55	----------	----------	1
A2	25.0000	32365.59	10159.67	----------	----------	1
A3	50.0000	68350.19	29641.73	----------	----------	1
A4	100.0000	133027.20	50759.66	----------	----------	1
A5	250.0000	274203.78	92063.87	----------	----------	1

Average Calibration Factor = 1284.782357 (%RSD = 8.42)

Ethanol *|64-17-5
Component Type : Single Peak Component
Retention Time : 0.899 min
Search Window : 0.00 s, 3.00 %
Reference Component : Propargyl Alcohol *|107-19-7
Find peak closest to expected RT in window
Use Average Calibration Factor (Area / Amount)
Component standard purity percentage : 100.0000%

User Values
Label :
Value 1 : 50.000000
Value 2 : 100.000000
Value 3 : 0.000000
Value 4 : 0.000000
Value 5 : 0.000000

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Calibration Level

Level Name	Amount	Area	Height	ISTD Amt.	ISTD Resp.	# Replicates
A1	5.0000	12114.01	3714.67	----------	----------	1
A2	25.0000	55732.01	18733.81	----------	----------	1
A3	50.0000	118777.01	52196.86	----------	----------	1
A4	100.0000	231564.80	92481.39	----------	----------	1
A5	250.0000	624121.02	193227.88	----------	----------	1

Average Calibration Factor = 2367.951083 (%RSD = 4.30)

n-Propanol *|71-23-8
Component Type : Single Peak Component
Retention Time : 1.455 min
Search Window : 0.00 s, 3.00 %
Reference Component : Propargyl Alcohol *|107-19-7
Find peak closest to expected RT in window
Calibrating Area versus Amount using a 1st Order Fit
Curve will ignore the origin
Amounts will not be scaled prior to the regression
Weighting factor for the regression: 1
Component standard purity percentage: 100.0000%

User Values
Label :
Value 1 : 50.000000
Value 2 : 100.000000
Value 3 : 0.000000
Value 4 : 0.000000
Value 5 : 0.000000

Calibration Level

Level Name	Amount	Area	Height	ISTD Amt.	ISTD Resp.	# Replicates
A1	5.0000	12805.75	3309.51	----------	----------	1
A2	25.0000	63253.05	16793.34	----------	----------	1
A3	50.0000	137294.91	47796.16	----------	----------	1
A4	100.0000	264044.70	85042.61	----------	----------	1
A5	250.0000	626073.48	184043.08	----------	----------	1

Calibration Curve : y = (6007.158310) + (2496.363021)x + (0.000000)x^2 + (0.000000)x^3
R-squared : 0.999222

1,4-Dioxane *|123-91-1
Component Type : Single Peak Component
Retention Time : 1.612 min
Search Window : 0.00 s, 3.00 %
Reference Component : Propargyl Alcohol *|107-19-7
Find peak closest to expected RT in window
Calibrating Area versus Amount using a 1st Order Fit
Curve will ignore the origin
Amounts will not be scaled prior to the regression
Weighting factor for the regression: 1
Component standard purity percentage : 100.0000%

User Values
Label :
Value 1 : 50.000000
Value 2 : 100.000000
Value 3 : 0.000000
Value 4 : 0.000000
Value 5 : 0.000000

Calibration Level

Level Name	Amount	Area	Height	ISTD Amt.	ISTD Resp.	# Replicates
A1	5.0000	8851.85	1670.91	----------	----------	1
A2	25.0000	43320.55	8457.52	----------	----------	1
A3	50.0000	89222.69	20672.55	----------	----------	1
A4	100.0000	178774.50	36881.92	----------	----------	1
A5	250.0000	469315.32	82656.90	----------	----------	1

Calibration Curve : y = (-4226.440027) + (1885.156068)x + (0.000000)x^2 + (0.000000)x^3
R-squared : 0.999639

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n-Butanol *|71-36-3
Component Type : Single Peak Component
Retention Time : 2.983 min
Search Window : 0.00 s, 3.00 %
Reference Component : Propargyl Alcohol *|107-19-7
Find largest peak in window
Calibrating Area versus Amount using a 1st Order Fit
Curve will ignore the origin
Amounts will not be scaled prior to the regression
Weighting factor for the regression: 1
Component standard purity percentage : 100.0000%

User Values
Label :
Value 1 : 50.000000
Value 2 : 100.000000
Value 3 : 0.000000
Value 4 : 0.000000
Value 5 : 0.000000

Calibration Level

Level Name	Amount	Area	Height	ISTD Amt.	ISTD Resp.	# Replicates
A1	5.0000	17287.86	3900.08			1
A2	25.0000	77931.93	19703.85			1
A3	50.0000	161845.85	44575.13			1
A4	100.0000	309741.60	79983.66			1
A5	250.0000	763808.00	187951.26			1

Calibration Curve : y = (4541.871305) + (3041.641577)x + (0.000000)x^2 + (0.000000)x^3
R-squared : 0.999881

2-Methoxyethanol *|109-86-4
Component Type : Single Peak Component
Retention Time : 3.933 min
Search Window : 0.00 s, 2.00 %
Reference Component : Propargyl Alcohol *|107-19-7
Find peak closest to expected RT in window
Calibrating Area versus Amount using a 1st Order Fit
Curve will ignore the origin
Amounts will not be scaled prior to the regression
Weighting factor for the regression: 1
Component standard purity percentage : 100.0000%

User Values
Label :
Value 1 : 50.000000
Value 2 : 100.000000
Value 3 : 0.000000
Value 4 : 0.000000
Value 5 : 0.000000

Calibration Level

Level Name	Amount	Area	Height	ISTD Amt.	ISTD Resp.	# Replicates
A1	5.0000	5596.35	2095.00			1
A2	25.0000	31735.18	13611.24			1
A3	50.0000	71943.80	31870.12			1
A4	100.0000	148424.78	66332.25			1
A5	250.0000	341863.20	176841.28			1

Calibration Curve : y = (1677.927061) + (1374.822473)x + (0.000000)x^2 + (0.000000)x^3
R-squared : 0.998253

2-Ethoxyethanol *|110-80-5
Component Type : Single Peak Component
Retention Time : 4.217 min
Search Window : 0.00 s, 3.00 %
Reference Component : Propargyl Alcohol *|107-19-7
Find peak closest to expected RT in window
Calibrating Area versus Amount using a 1st Order Fit
Curve will ignore the origin
Amounts will not be scaled prior to the regression
Weighting factor for the regression: 1
Component standard purity percentage : 100.0000%

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User Values
Label :
Value 1 : 50.000000
Value 2 : 100.000000
Value 3 : 0.000000
Value 4 : 0.000000
Value 5 : 0.000000

Calibration Level

Level Name	Amount	Area	Height	ISTD Amt.	ISTD Resp.	# Replicates
A1	5.0000	7868.00	1929.95	----------	----------	1
A2	25.0000	43841.45	10639.49	----------	----------	1
A3	50.0000	92432.27	23481.17	----------	----------	1
A4	100.0000	177060.02	48019.57	----------	----------	1
A5	250.0000	426351.20	132657.03	----------	----------	1

Calibration Curve : y = (3261.130014) + (1700.575097)x + (0.000000)x^2 + (0.000000)x^3
R-squared : 0.999515

Propargyl Alcohol *|107-19-7
Component Type : Single Peak Component
Retention Time : 5.375 min
Search Window : 0.00 s, 1.00 %
This component is a reference
Find peak closest to expected RT in window
Calibrating Area versus Amount using a 1st Order Fit
Curve will ignore the origin
Amounts will not be scaled prior to the regression
Weighting factor for the regression: 1
Component standard purity percentage : 100.0000%

User Values
Label :
Value 1 : 50.000000
Value 2 : 100.000000
Value 3 : 100.000000
Value 4 : 0.000000
Value 5 : 0.000000

Calibration Level

Level Name	Amount	Area	Height	ISTD Amt.	ISTD Resp.	# Replicates
A1	5.0000	16760.22	7794.86	----------	----------	1
A2	25.0000	79160.20	39216.15	----------	----------	1
A3	50.0000	165508.00	79946.65	----------	----------	1
A4	100.0000	321721.60	156488.65	----------	----------	1
A5	250.0000	795096.00	367918.57	----------	----------	1

Calibration Curve : y = (2648.224828) + (3174.429999)x + (0.000000)x^2 + (0.000000)x^3
R-squared : 0.999917

2-Chloroethanol *|107-07-3
Component Type : Single Peak Component
Retention Time : 5.574 min
Search Window : 0.00 s, 2.20 %
Reference Component : Propargyl Alcohol *|107-19-7
Find largest peak in window
Calibrating Area versus Amount using a 1st Order Fit
Curve will ignore the origin
Amounts will not be scaled prior to the regression
Weighting factor for the regression: 1
Component standard purity percentage : 100.0000%

User Values
Label :
Value 1 : 50.000000
Value 2 : 100.000000
Value 3 : 0.000000
Value 4 : 0.000000
Value 5 : 0.000000

3/29/2012 1:21:31 PM Method: \\aussvr05\tcdata\CHROM\GC11\2012\1203\GCL-GLYCOL-ALC-032712 Mix A.mth

Calibration Level

Level Name	Amount	Area	Height	ISTD Amt.	ISTD Resp.	# Replicates
A1	5.0000	5037.38	1963.89	----------	----------	1
A2	25.0000	23763.80	10250.84	----------	----------	1
A3	50.0000	48944.00	21045.35	----------	----------	1
A4	100.0000	95667.20	41891.31	----------	----------	1
A5	250.0000	237144.00	99370.36	----------	----------	1

Calibration Curve : y = (689.594256) + (946.763732)x + (0.000000)x^2 + (0.000000)x^3
R-squared : 0.999957

Ethylene Glycol *|107-21-1
Component Type : Single Peak Component
Retention Time : 7.983 min
Search Window : 3.00 s, 0.00 %
Reference Component : Propargyl Alcohol *|107-19-7
Find peak closest to expected RT in window
Calibrating Area versus Amount using a 1st Order Fit
Curve will ignore the origin
Amounts will not be scaled prior to the regression
Weighting factor for the regression: 1
Component standard purity percentage : 100.0000%

User Values
Label :
Value 1 : 200.000000
Value 2 : 400.000000
Value 3 : 0.000000
Value 4 : 0.000000
Value 5 : 0.000000

Calibration Level

Level Name	Amount	Area	Height	ISTD Amt.	ISTD Resp.	# Replicates
A1	20.0000	25207.60	8382.08	----------	----------	1
A2	100.0000	127144.80	54378.12	----------	----------	1
A3	200.0000	279184.00	125042.17	----------	----------	1
A4	400.0000	543344.80	254944.88	----------	----------	1
A5	1000.0000	1346212.00	612931.90	----------	----------	1

Calibration Curve : y = (442.850996) + (1348.185433)x + (0.000000)x^2 + (0.000000)x^3
R-squared : 0.999847

Diethylene Gly. BE *|112-34-5
Component Type : Single Peak Component
Retention Time : 9.362 min
Search Window : 3.00 s, 0.00 %
Reference Component : Propargyl Alcohol *|107-19-7
Find largest peak in window
Calibrating Area versus Amount using a 1st Order Fit
Curve will ignore the origin
Amounts will not be scaled prior to the regression
Weighting factor for the regression: 1
Component standard purity percentage : 100.0000%

User Values
Label :
Value 1 : 50.000000
Value 2 : 100.000000
Value 3 : 0.000000
Value 4 : 0.000000
Value 5 : 0.000000

Calibration Level

Level Name	Amount	Area	Height	ISTD Amt.	ISTD Resp.	# Replicates
A1	5.0000	12392.40	4907.70	----------	----------	1
A2	25.0000	57943.20	23499.27	----------	----------	1
A3	50.0000	121428.00	48586.32	----------	----------	1
A4	100.0000	234645.60	93656.86	----------	----------	1
A5	250.0000	577834.00	231934.46	----------	----------	1

Calibration Curve : y = (2605.881665) + (2305.148353)x + (0.000000)x^2 + (0.000000)x^3
R-squared : 0.999881

3/29/2012 1:21:31 PM Method: \\aussvr05\tcdata\CHROM\GC11\2012\1203\GCL-GLYCOL-ALC-032712 Mix A.mth

Diethylene Glycol *|Q763
Component Type : Single Peak Component
Retention Time : 10.832 min
Search Window : 3.00 s, 0.00 %
Reference Component : Propargyl Alcohol *|107-19-7
Find largest peak in window
Calibrating Area versus Amount using a 1st Order Fit
Curve will ignore the origin
Amounts will not be scaled prior to the regression
Weighting factor for the regression: 1
Component standard purity percentage : 100.0000%

User Values
Label :
Value 1 : 200.000000
Value 2 : 400.000000
Value 3 : 0.000000
Value 4 : 0.000000
Value 5 : 0.000000

Calibration Level

Level Name	Amount	Area	Height	ISTD Amt.	ISTD Resp.	# Replicates
A1	20.0000	27933.60	11759.14	----------	----------	1
A2	100.0000	133235.60	59735.33	----------	----------	1
A3	200.0000	286012.00	127724.70	----------	----------	1
A4	400.0000	554187.60	246688.06	----------	----------	1
A5	1000.0000	1372358.00	575544.99	----------	----------	1

Calibration Curve : y = (2959.827670) + (1371.469571)x + (0.000000)x^2 + (0.000000)x^3
R-squared : 0.999879

Triethylene Glycol *|112-27-6
Component Type : Single Peak Component
Retention Time : 13.321 min
Search Window : 3.00 s, 0.00 %
Reference Component : Propargyl Alcohol *|107-19-7
Find largest peak in window
Calibrating Area versus Amount using a 1st Order Fit
Curve will ignore the origin
Amounts will not be scaled prior to the regression
Weighting factor for the regression: 1
Component standard purity percentage : 100.0000%

User Values
Label :
Value 1 : 200.000000
Value 2 : 400.000000
Value 3 : 0.000000
Value 4 : 0.000000
Value 5 : 0.000000

Calibration Level

Level Name	Amount	Area	Height	ISTD Amt.	ISTD Resp.	# Replicates
A1	20.0000	28237.20	10185.89	----------	----------	1
A2	100.0000	134223.60	50623.79	----------	----------	1
A3	200.0000	283615.60	108268.56	----------	----------	1
A4	400.0000	556739.60	213431.58	----------	----------	1
A5	1000.0000	1377474.40	521736.89	----------	----------	1

Calibration Curve : y = (2323.882839) + (1377.134352)x + (0.000000)x^2 + (0.000000)x^3
R-squared : 0.999925

UPRT
Component Type : Single Peak Component
Retention Time : 21.000 min
Search Window : 0.00 s, 0.01 %
Reference Component :
Find peak closest to expected RT in window
Use Average Calibration Factor (Area / Amount)
Component standard purity percentage : 100.0000%

3/29/2012 1:21:31 PM Method: \\aussvr05\tcdata\CHROM\GC11\2012\1203\GCL-GLYCOL-ALC-032712 Mix A.mth

User Values
Label :
Value 1 : 0.000000
Value 2 : 0.000000
Value 3 : 0.000000
Value 4 : 0.000000
Value 5 : 0.000000

Calibration Level

Level Name	Amount	Area	Height	ISTD Amt.	ISTD Resp.	# Replicates
UPRT	0.0000	0.00	0.00	----------	----------	0

Average Calibration Factor = 0.000000 (%RSD = 0.00)

Software Version	: 6.2.1.0.104:0104	Date	: 3/29/2012 11:07:16 AM
Reprocess Number	: [Not Known]		
Operator	: SML	Sample Name	: MIX A CAL 1
Sample Number	: 003	Study	: AV00995
AutoSampler	: NONE	Rack/Vial	: 0/0
Instrument Name	: GC11	Channel	: A
Interface Serial #	: 1127573585	A/D mV Range	: 2000
Delay Time	: 0.00 min	End Time	: 23.35 min
Sampling Rate	: 2.5000 pts/s		
Sample Volume	: 1.000000 ml	Area Reject	: 0.000000
Sample Amount	: 1.0000	Dilution Factor	: 1.00
Data Acquisition Time	: 3/27/2012 4:57:51 PM	Cycle	: 2

Raw Data File : \\aussvr05\tcdata\CHROM\GC11\2012\1203\0327\K-A0002.raw <Modified>
Result File : \\aussvr05\tcdata\CHROM\GC11\2012\1203\0327\K-A0002.rst
Inst Method : \\aussvr05\tcdata\chrom\gc11\methods\gcl-glycol-alc-aq from \\aussvr05\tcdata\CHROM\GC11\2012\1203\0327\K-A0002.raw
Proc Method : \\aussvr05\tcdata\chrom\gc11\2012\1203\gcl-glycol-alc-032712 mix a.mth from
\\aussvr05\tcdata\CHROM\GC11\2012\1203\0327\K-A0002.rst
Calib Method : \\aussvr05\tcdata\chrom\gc11\2012\1203\gcl-glycol-alc-032712 mix a.mth from
\\aussvr05\tcdata\CHROM\GC11\2012\1203\0327\K-A0002.rst
Report Format File: \\aussvr05\tcdata\chrom\gc11\reports\8015-ccv-rec-rev012398.rpt
Sequence File : \\aussvr05\tcdata\CHROM\GC11\2012\1203\11A12C27.seq

Noise Threshold	: 1	Area Threshold	: 1000
Bunch Factor	: 2	Multiplier	: 1.0000
Divisor	: 1.0000	Addend	: 0.0000

User1	: ALGL:C3
User2	:
User3	: GC11
User4	:
User5	:
User6	:
User7	:
User8	:
User9	:
User10	:
Total number of peaks detected	: 14

Instrument Conditions
Capillary GC -
Instrument : GCL
Column : STABILWAX-D
Carrier Gas : H2
Injection Temp.: 260 C
Detector 1 : FID 265 C
Temp. Program : 40 C - 210 C at 12.5 C/min. IH= 2 min FH= 0 min.
210-245 at 20 C/min. FH = 6 min. Run time = 23.35 min.
Range: Det A = 1

**** 8015 Report ****

Peak #	Time [min]	Component Name	Raw Result (ug/mL)	Area [uV*sec]	Height [uV]	Sample Conc. (mg/L)	BL	ICV/CCV rec. (%)	Cal. Range
1	0.791	Methanol *|67-56-1	-295.9259	6675.99	2084.55	-295.9259	BV		*
2	0.904	Ethanol *|64-17-5	-295.9259	12114.01	3714.67	-295.9259	VB		*
3	1.461	n-Propanol *|71-23-8	-295.9259	12805.75	3309.51	-295.9259	BV		*
4	1.616	1,4-Dioxane *|123-91-1	-295.9259	8851.85	1670.91	-295.9259	VB		*
5	2.991	n-Butanol *|71-36-3	-295.9259	17287.86	3900.08	-295.9259	BV		*
6	3.646		0.0161	16074.59	1047.45	0.0161	VV	---	
7	3.952	2-Methoxyethanol *|109-86-4	-295.9259	5596.35	2095.00	-295.9259	VB		*
8	4.231	2-Ethoxyethanol *|110-80-5	-295.9259	7868.00	1929.95	-295.9259	BB		*
9	5.387	Propargyl Alcohol *|107-19-7	-295.9259	16760.22	7794.86	-295.9259	BV		*
10	5.586	2-Chloroethanol *|107-07-3	42.4478	5037.38	1963.89	42.4478	VB	85	*
11	7.995	Ethylene Glycol *|107-21-1	-1.18e+03	25207.60	8382.08	-1183.7037	BB		*
12	9.366	Diethylene Gly. BE *|112-34-5	-295.9259	12392.40	4907.70	-295.9259	BB		*
13	10.834	Diethylene Glycol *|Q763	-1.18e+03	27933.60	11759.14	-1183.7037	BB		*
14	13.322	Triethylene Glycol *|112-27-6	20.0000	28237.20	10185.89	20.0000	BB	10	
-	21.000	UPRT	0.0000	0.00	0.00	0.0000		---	
			-4.97e+03	202842.80	64745.66	-4968.2768			

* Warning -- uncalibrated levels encountered

ANALYST'S INITIALS:

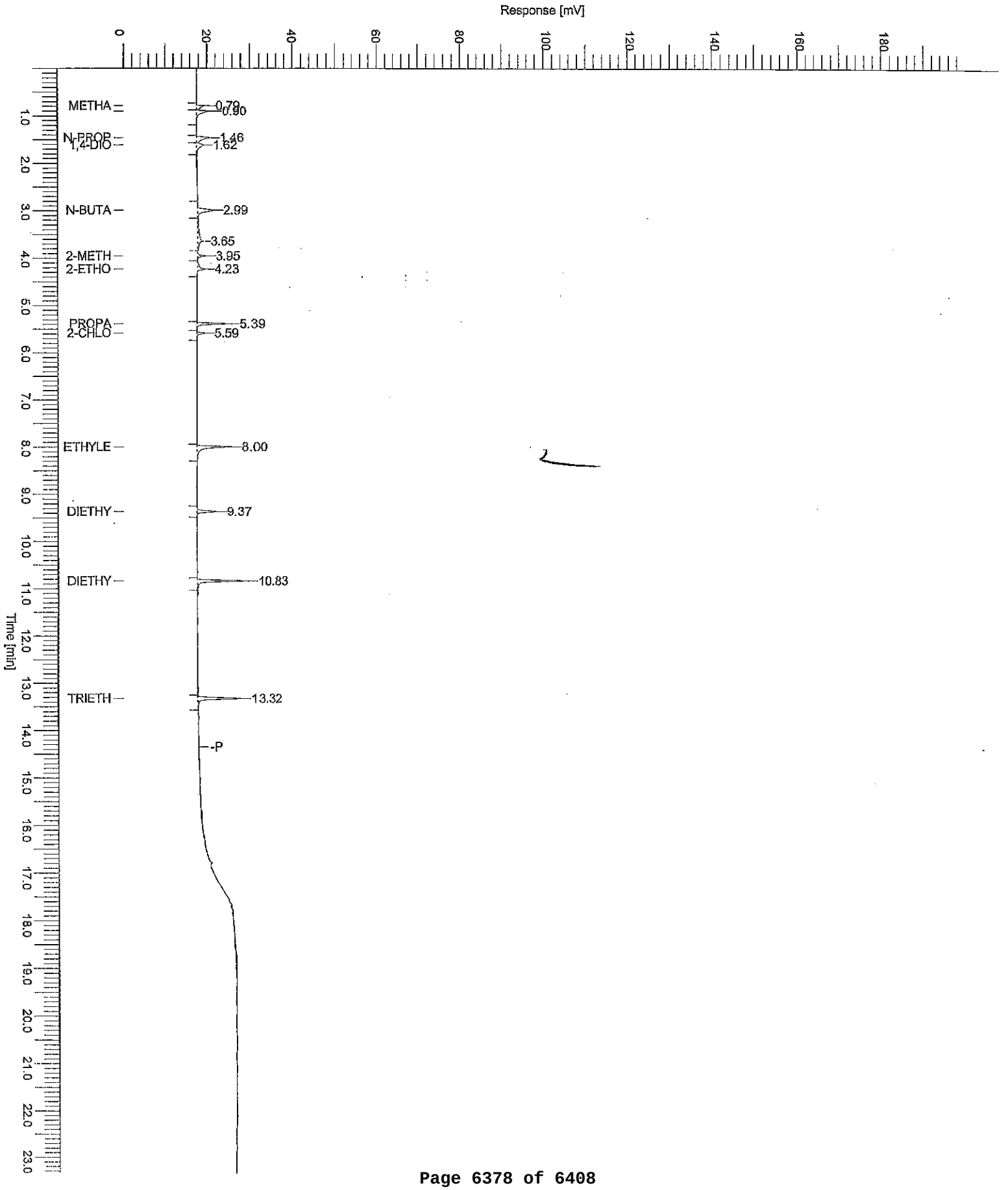
NOTE: The "Raw Result (ug/mL)" column refers to extract concentrations and excludes the contribution of the dilution factor, final extract volume, & sample amount. The "Sample Concentration (mg/L)" refers to the final calculated concentration that includes the contribution of the above factors.

3/29/2012 11:07:16 AM Result: \\aussvr05\tcdata\CHROM\GC11\2012\1203\0327\K-A0002.rst

Report stored in ASCII file: \\aussvr05\tcdata\CHROM\GC11\2012\1203\0327\K-A0002.TX0

Chromatogram

Sample Name : MIX A CAL 1 Sample #: 003 Page 1 of 1
FileName : \\aussvr05\tcdata\CHROM\GC11\2012\1203\0327\K-A0002.raw
Date : 3/29/2012 11:07:16 AM
Method : gcl-glycol-alc-aq Time of Injection: 3/27/2012 4:57:51 PM
Start Time : 0.00 min End Time : 23.35 min Low Point : 0.00 mV High Point : 200.00 mV
Plot Offset: 0.00 mV Plot Scale: 200.0 mV



Software Version	: 6.2.1.0.104:0104	Date	: 3/29/2012 11:07:25 AM
Reprocess Number	: [Not Known]		
Operator	: SML	Sample Name	: MIX A CAL 2
Sample Number	: 003	Study	: AV00996
AutoSampler	: NONE	Rack/Vial	: 0/0
Instrument Name	: GC11	Channel	: A
Interface Serial #	: 1127573585	A/D mV Range	: 2000
Delay Time	: 0.00 min	End Time	: 23.35 min
Sampling Rate	: 2.5000 pts/s		
Sample Volume	: 1.000000 ml	Area Reject	: 0.000000
Sample Amount	: 1.0000	Dilution Factor	: 1.00
Data Acquisition Time	: 3/27/2012 5:27:19 PM	Cycle	: 3

Raw Data File : \\aussvr05\tcdata\CHROM\GC11\2012\1203\0327\K-A0003.raw <Modified>
Result File : \\aussvr05\tcdata\CHROM\GC11\2012\1203\0327\K-A0003.rst
Inst Method : \\aussvr05\tcdata\chrom\gc11\methods\gcl-glycol-alc-aq from \\aussvr05\tcdata\CHROM\GC11\2012\1203\0327\K-A0003.raw
Proc Method : \\aussvr05\tcdata\chrom\gc11\2012\1203\gcl-glycol-alc-032712 mix a.mth from
\\aussvr05\tcdata\CHROM\GC11\2012\1203\0327\K-A0003.rst
Calib Method : \\aussvr05\tcdata\chrom\gc11\2012\1203\gcl-glycol-alc-032712 mix a.mth from
\\aussvr05\tcdata\CHROM\GC11\2012\1203\0327\K-A0003.rst
Report Format File: \\aussvr05\tcdata\chrom\gc11\reports\8015-ccv-rec-rev012398.rpt
Sequence File : \\aussvr05\tcdata\CHROM\GC11\2012\1203\11A12C27.seq

Noise Threshold	: 1	Area Threshold	: 1000
Bunch Factor	: 2	Multiplier	: 1.0000
Divisor	: 1.0000	Addend	: 0.0000

User1	: ALGL:C3
User2	:
User3	: GC11
User4	:
User5	:
User6	:
User7	:
User8	:
User9	:
User10	:
Total number of peaks detected	: 14

Instrument Conditions
Capillary GC -
Instrument : GCL
Column : STABILWAX-D
Carrier Gas : H2
Injection Temp.: 260 C
Detector 1 : FID 265 C
Temp. Program : 40 C - 210 C at 12.5 C/min. IH= 2 min FH= 0 min.
210-245 at 20 C/min. FH = 6 min. Run time = 23.35 min.
Range: Det A = 1

**** 8015 Report ****

Peak #	Time [min]	Component Name	Raw Result (ug/mL)	Area [uV*sec]	Height [uV]	Sample Conc. (mg/L)	BL	ICV/CCV rec. (%)	Cal. Range
1	0.793	Methanol *|67-56-1	-291.5780	32365.59	10159.67	-291.5780	BV		*
2	0.903	Ethanol *|64-17-5	-286.1701	55732.01	18733.81	-286.1701	VB		*
3	1.459	n-Propanol *|71-23-8	-293.4669	63253.05	16793.34	-293.4669	BV		*
4	1.616	1,4-Dioxane *|123-91-1	-292.5337	43320.55	8457.52	-292.5337	VB		*
5	2.986	n-Butanol *|71-36-3	-284.0255	77931.93	19703.85	-284.0255	BV		*
6	3.617		0.0186	18640.25	1102.73	0.0186	VV	—	
7	3.921	2-Methoxyethanol *|109-86-4	-306.8080	31735.18	13611.24	-306.8080	VV		*
8	4.207	2-Ethoxyethanol *|110-80-5	-305.1746	43841.45	10639.49	-305.1746	VB		*
9	5.374	Propargyl Alcohol *|107-19-7	-288.9022	79160.20	39216.15	-288.9022	BV		*
10	5.574	2-Chloroethanol *|107-07-3	55.5491	23763.80	10250.84	55.5491	VB	111	*
11	7.980	Ethylene Glycol *|107-21-1	-1.18e+03	127144.80	54378.12	-1182.2421	BB		*
12	9.363	Diethylene Gly. BE *|112-34-5	-287.8582	57943.20	23499.27	-287.8582	BB		*
13	10.829	Diethylene Glycol *|Q763	-1.16e+03	133235.60	59735.33	-1159.6537	BB		*
14	13.320	Triethylene Glycol *|112-27-6	97.4720	134223.60	50623.79	97.4720	BB	49	
-	21.000	UPRT	0.0000	0.00	0.00	0.0000		---	
			-4.83e+03	922291.20	336905.15	-4825.3735			

* Warning -- uncalibrated levels encountered

BW 3/4 2/12

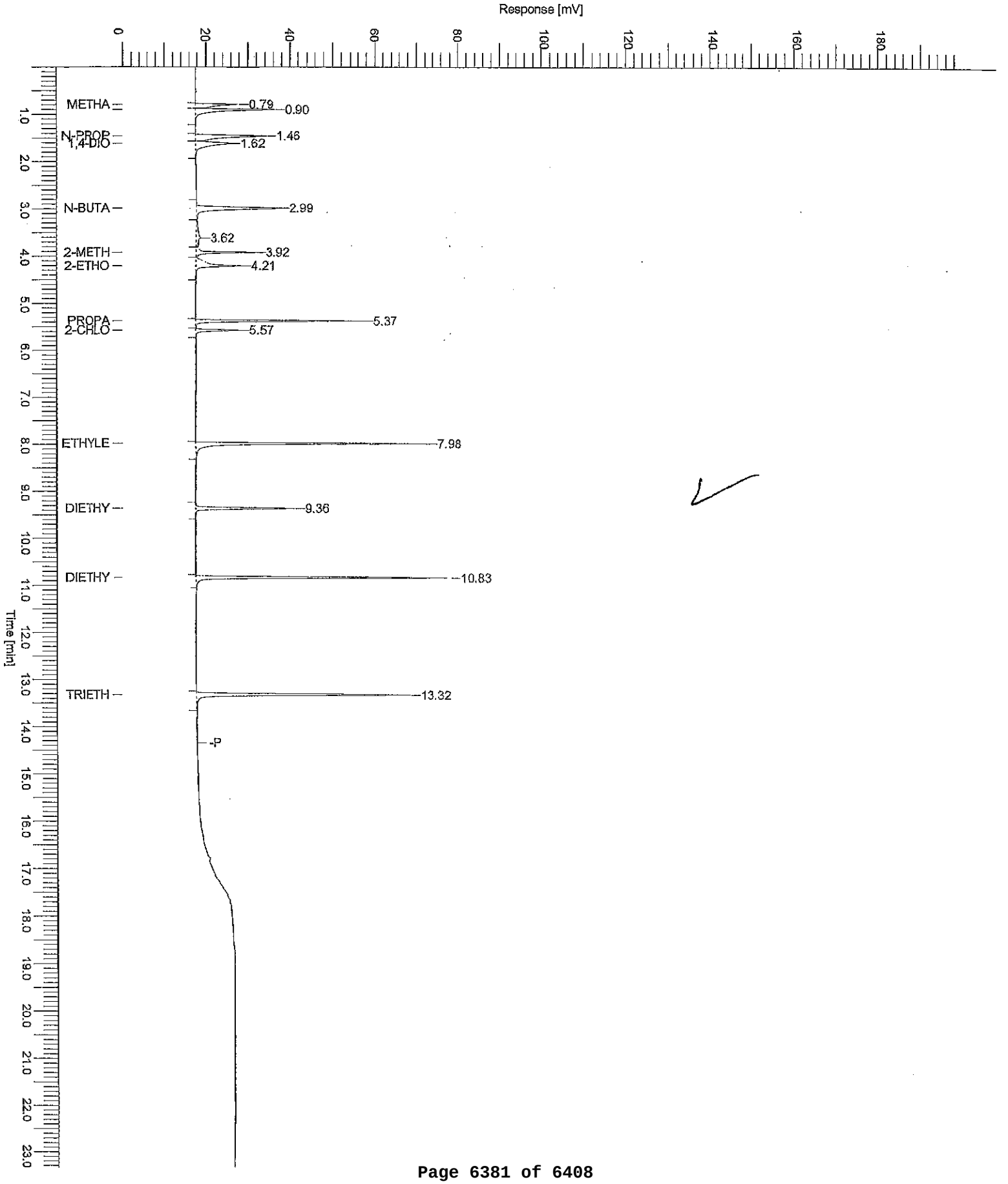
ANALYST'S INITIALS:

NOTE: The "Raw Result (ug/mL)" column refers to extract concentrations and excludes the contribution of the dilution factor, final extract volume, & sample amount. The "Sample Concentration (mg/L)" refers to the final calculated concentration that includes the contribution of the above factors.

Report stored in ASCII file: \\aussvr05\tcdata\CHROM\GC11\2012\1203\0327\K-A0003.TX0

Chromatogram

Sample Name : MIX A CAL 2 Sample #: 003 Page 1 of 1
FileName : \\aussvr05\lcdata\CHROM\GC11\2012\1203\0327\K-A0003.raw
Date : 3/29/2012 11:07:26 AM
Method : gcl-glycol-alc-aq Time of Injection: 3/27/2012 5:27:19 PM
Start Time : 0.00 min End Time : 23.35 min Low Point : 0.00 mV High Point : 200.00 mV
Plot Offset: 0.00 mV Plot Scale: 200.0 mV



Software Version	: 6.2.1.0.104:0104	Date	: 3/29/2012 11:07:35 AM
Reprocess Number	: [Not Known]		
Operator	: SML	Sample Name	: MIX A CAL 3
Sample Number	: 003	Study	: AV00997
AutoSampler	: NONE	Rack/Vial	: 0/0
Instrument Name	: GC11	Channel	: A
Interface Serial #	: 1127573585	A/D mV Range	: 2000
Delay Time	: 0.00 min	End Time	: 23.35 min
Sampling Rate	: 2.5000 pts/s		
Sample Volume	: 1.000000 ml	Area Reject	: 0.000000
Sample Amount	: 1.0000	Dilution Factor	: 1.00
Data Acquisition Time	: 3/27/2012 5:56:48 PM	Cycle	: 4

Raw Data File : \\aussvr05\tcdata\CHROM\GC11\2012\1203\0327\K-A0004.raw <Modified>
Result File : \\aussvr05\tcdata\CHROM\GC11\2012\1203\0327\K-A0004.rst
Inst Method : \\aussvr05\tcdata\chrom\gc11\methods\gcl-glycol-alc-aq from \\aussvr05\tcdata\CHROM\GC11\2012\1203\0327\K-A0004.raw
Proc Method : \\aussvr05\tcdata\chrom\gc11\2012\1203\gcl-glycol-alc-032712 mix a.mth from
\\aussvr05\tcdata\CHROM\GC11\2012\1203\0327\K-A0004.rst
Calib Method : \\aussvr05\tcdata\chrom\gc11\2012\1203\gcl-glycol-alc-032712 mix a.mth from
\\aussvr05\tcdata\CHROM\GC11\2012\1203\0327\K-A0004.rst
Report Format File: \\aussvr05\tcdata\chrom\gc11\reports\8015-ccv-rec-rev012398.rpt
Sequence File : \\aussvr05\tcdata\CHROM\GC11\2012\1203\11A12C27.seq

Noise Threshold	: 1	Area Threshold	: 1000
Bunch Factor	: 2	Multiplier	: 1.0000
Divisor	: 1.0000	Addend	: 0.0000

User1	: ALGL:C3
User2	:
User3	: GC11
User4	:
User5	:
User6	:
User7	:
User8	:
User9	:
User10	:

Total number of peaks detected : 14
Instrument Conditions
Capillary GC -
Instrument : GCL
Column : STABILWAX-D
Carrier Gas : H2
Injection Temp.: 260 C
Detector 1 : FID 265 C
Temp. Program : 40 C - 210 C at 12.5 C/min. IH= 2 min FH= 0 min.
210-245 at 20 C/min. FH = 6 min. Run time = 23.35 min.
Range: Det A = 1

**** 8015 Report ****

Peak #	Time [min]	Component Name	Raw Result (ug/mL)	Area [uV*sec]	Height [uV]	Sample Conc. (mg/L)	BL	ICV/CCV rec. (%)	Cal. Range
1	0.784	Methanol *|67-56-1	-278.2799	68350.19	29641.73	-278.2799	BV		*
2	0.897	Ethanol *|64-17-5	-277.8461	118777.01	52196.86	-277.8461	VB		*
3	1.453	n-Propanol *|71-23-8	-285.9250	137294.91	47796.16	-285.9250	BV		*
4	1.609	1,4-Dioxane *|123-91-1	-272.6193	89222.69	20672.55	-272.6193	VB		*
5	2.979	n-Butanol *|71-36-3	-270.4453	161845.85	44575.13	-270.4453	BV		*
6	3.642		0.0171	17120.48	1279.96	0.0171	VV	---	
7	3.934	2-Methoxyethanol *|109-86-4	-303.0103	71943.80	31870.12	-303.0103	VV		*
8	4.219	2-Ethoxyethanol *|110-80-5	-284.4610	92432.27	23481.17	-284.4610	VB		*
9	5.374	Propargyl Alcohol *|107-19-7	-274.5136	165508.00	79946.65	-274.5136	BB		*
10	5.573	2-Chloroethanol *|107-07-3	71.1712	48944.00	21045.35	71.1712	BB	142	*
11	7.975	Ethylene Glycol *|107-21-1	-1.16e+03	279184.00	125042.17	-1159.1117	BB		*
12	9.360	Diethylene Gly. BE *|112-34-5	-274.5633	121428.00	48586.32	-274.5633	BB		*
13	10.827	Diethylene Glycol *|Q763	-1.13e+03	286012.00	127724.70	-1125.8692	BB		*
14	13.316	Triethylene Glycol *|112-27-6	203.9337	283615.60	108268.56	203.9337	BB	102	
-	21.000	UPRT	0.0000	0.00	0.00	0.0000		---	
			-4.53e+03	1941678.80	762127.44	-4531.5225			

* Warning -- uncalibrated levels encountered

BLD 4/2/12

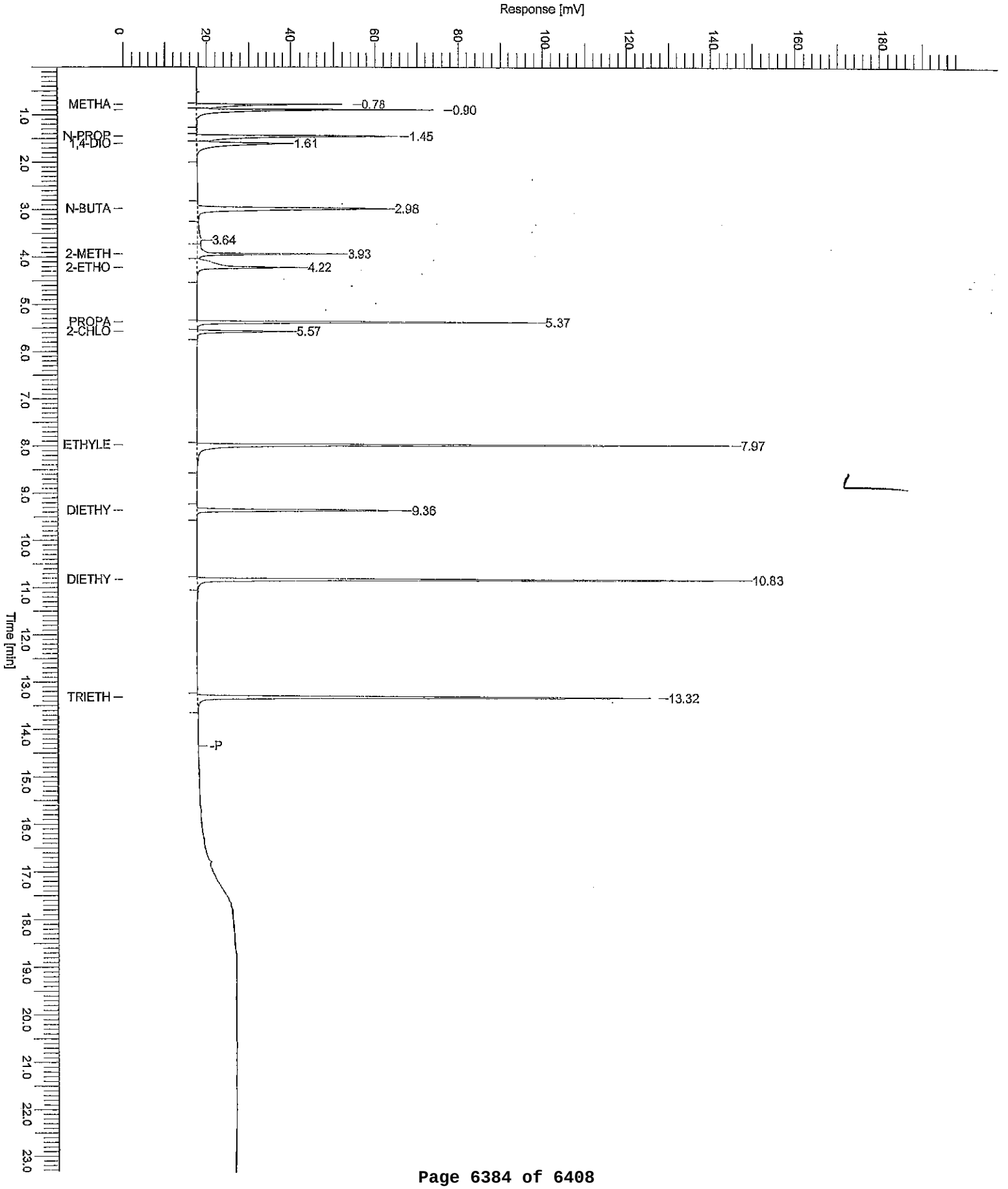
ANALYST'S INITIALS: GL

NOTE: The "Raw Result (ug/mL)" column refers to extract concentrations and excludes the contribution of the dilution factor, final extract volume, & sample amount. The "Sample Concentration (mg/L)" refers to the final calculated concentration that includes the contribution of the above factors.

Report stored in ASCII file: \\aussvr05\tcdata\CHROM\GC11\2012\1203\0327\K-A0004.TX0

Chromatogram

Sample Name : MIX A CAL 3 Sample #: 003 Page 1 of 1
FileName : \\aussvr05\tcdata\CHROM\GC11\2012\1203\0327\K-A0004.raw
Date : 3/29/2012 11:07:36 AM
Method : gcl-glycol-alc-aq Time of Injection: 3/27/2012 5:56:48 PM
Start Time : 0.00 min End Time : 23.35 min Low Point : 0.00 mV High Point : 200.00 mV
Plot Offset: 0.00 mV Plot Scale: 200.0 mV



Software Version	: 6.2.1.0.104:0104	Date	: 3/29/2012 11:07:45 AM
Reprocess Number	: [Not Known]		
Operator	: SML	Sample Name	: MIX A CAL 4
Sample Number	: 003	Study	: AV00993 BVP 4/2/12
AutoSampler	: NONE	Rack/Vial	: 0/0
Instrument Name	: GC11	Channel	: A
Interface Serial #	: 1127573585	A/D mV Range	: 2000
Delay Time	: 0.00 min	End Time	: 23.35 min
Sampling Rate	: 2.5000 pts/s		
Sample Volume	: 1.000000 ml	Area Reject	: 0.000000
Sample Amount	: 1.0000	Dilution Factor	: 1.00
Data Acquisition Time	: 3/27/2012 6:26:25 PM	Cycle	: 5

Raw Data File : \\aussvr05\tcdata\CHROM\GC11\2012\1203\0327\K-A0005.raw <Modified>
Result File : \\aussvr05\tcdata\CHROM\GC11\2012\1203\0327\K-A0005.rst
Inst Method : \\aussvr05\tcdata\chrom\gc11\methods\gcl-glycol-alc-aq from \\aussvr05\tcdata\CHROM\GC11\2012\1203\0327\K-A0005.raw
Proc Method : \\aussvr05\tcdata\chrom\gc11\2012\1203\gcl-glycol-alc-032712 mix a.mth from \\aussvr05\tcdata\CHROM\GC11\2012\1203\0327\K-A0005.rst
Calib Method : \\aussvr05\tcdata\chrom\gc11\2012\1203\gcl-glycol-alc-032712 mix a.mth from \\aussvr05\tcdata\CHROM\GC11\2012\1203\0327\K-A0005.rst
Report Format File: \\aussvr05\tcdata\chrom\gc11\reports\8015-ccv-rec-rev012398.rpt
Sequence File : \\aussvr05\tcdata\CHROM\GC11\2012\1203\11A12C27.seq

Noise Threshold	: 1	Area Threshold	: 1000
Bunch Factor	: 2	Multiplier	: 1.0000
Divisor	: 1.0000	Addend	: 0.0000

User1	: ALGL:C3
User2	:
User3	: GC11
User4	:
User5	:
User6	:
User7	:
User8	:
User9	:
User10	:

Total number of peaks detected : 13
Instrument Conditions
Capillary GC -
Instrument : GCL
Column : STABILWAX-D
Carrier Gas : H2
Injection Temp.: 260 C
Detector 1 : FID 265 C
Temp. Program : 40 C - 210 C at 12.5 C/min. IH= 2 min FH= 0 min.
210-245 at 20 C/min. FH = 6 min. Run time = 23.35 min.
Range: Det A = 1

**** 8015 Report ****

Peak #	Time [min]	Component Name	Raw Result (ug/mL)	Area [uV*sec]	Height [uV]	Sample Conc. (mg/L)	BL	ICV/CCV rec. (%)	Cal. Range
1	0.783	Methanol *|67-56-1	-969.0799	133027.20	50759.66	-969.0799	BV		*
2	0.895	Ethanol *|64-17-5	-970.3982	231564.80	92481.39	-970.3982	VB		*
3	1.450	n-Propanol *|71-23-8	-975.3376	264044.70	85042.61	-975.3376	BV		*
4	1.608	1,4-Dioxane *|123-91-1	-1.00e+03	178774.50	36881.92	-1004.5175	VB		*
5	2.978	n-Butanol *|71-36-3	-907.4314	309741.60	79983.66	-907.4314	BB		*
6	3.928	2-Methoxyethanol *|109-86-4	-1.21e+03	148424.78	66332.25	-1205.3828	BV		*
7	4.214	2-Ethoxyethanol *|110-80-5	-962.6446	177060.02	48019.57	-962.6446	VB		*
8	5.370	Propargyl Alcohol *|107-19-7	-952.0021	321721.60	156488.65	-952.0021	BB		*
9	5.569	2-Chloroethanol *|107-07-3	101.3559	95667.20	41891.31	101.3559	BB	203	
10	7.976	Ethylene Glycol *|107-21-1	-4.06e+03	543344.80	254944.88	-4057.9026	BB		*
11	9.360	Diethylene Gly. BE *|112-34-5	-940.8828	234645.60	93656.86	-940.8828	BB		*
12	10.831	Diethylene Glycol *|Q763	-3.89e+03	554187.60	246688.06	-3890.5486	BB		*
13	13.319	Triethylene Glycol *|112-27-6	400.2425	556739.60	213431.58	400.2425	BB	200	
-	21.000	UPRT	0.0000	0.00	0.00	0.0000		---	
			-1.63e+04	3748944.00	1.47e+06	-16334.5297			

* Warning -- uncalibrated levels encountered

BVP 4/2/12

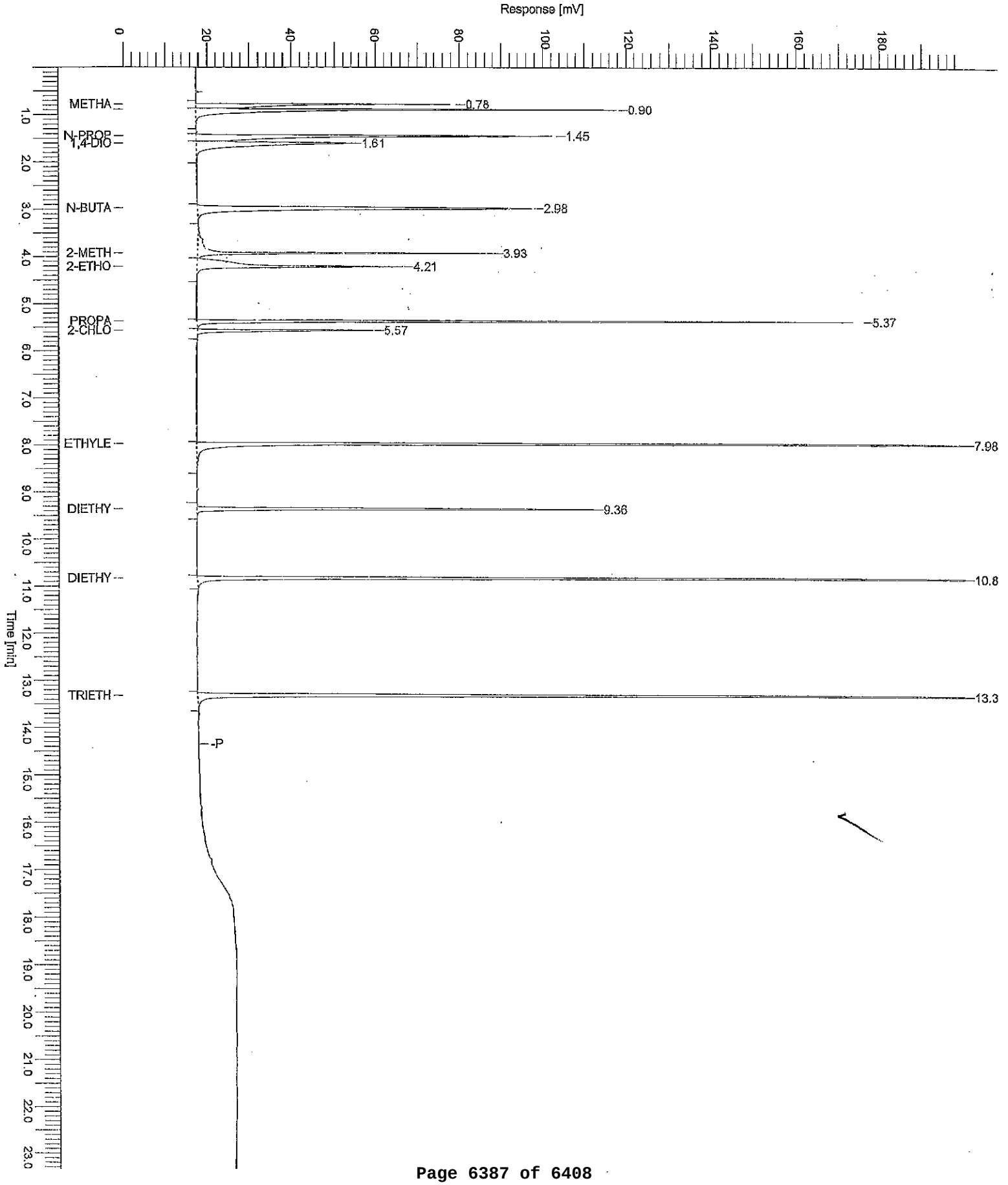
ANALYST'S INITIALS:
NOTE: The "Raw Result (ug/mL)" column refers to extract concentrations and excludes the contribution of the dilution factor, final extract volume, & sample amount. The "Sample Concentration (mg/L)" refers to the final calculated concentration that includes the contribution of the above factors.

3/29/2012 11:07:45 AM Result: \\aussvr05\tcdata\CHROM\GC11\2012\1203\0327\K-A0005.rst

Report stored in ASCII file: \\aussvr05\tcdata\CHROM\GC11\2012\1203\0327\K-A0005.TX0

Chromatogram

Sample Name : MIX A CAL 4 Sample #: 003 Page 1 of 1
FileName : \\aussvr05\tcdata\CHROM\GC11\2012\1203\0327\K-A0005.raw
Date : 3/29/2012 11:07:46 AM
Method : gcl-glycol-alc-aq Time of Injection: 3/27/2012 6:26:25 PM
Start Time : 0.00 min End Time : 23.35 min Low Point : 0.00 mV High Point : 200.00 mV
Plot Offset: 0.00 mV Plot Scale: 200.0 mV



Software Version	: 6.2.1.0.104:0104	Date	: 3/29/2012 11:07:54 AM
Reprocess Number	: [Not Known]		
Operator	: SML	Sample Name	: MIX A CAL 5
Sample Number	: 003	Study	: AV009959
AutoSampler	: NONE	Rack/Vial	: 0/0
Instrument Name	: GC11	Channel	: A
Interface Serial #	: 1127573585	A/D mV Range	: 2000
Delay Time	: 0.00 min	End Time	: 23.35 min
Sampling Rate	: 2.5000 pts/s		
Sample Volume	: 1.000000 ml	Area Reject	: 0.000000
Sample Amount	: 1.0000	Dilution Factor	: 1.00
Data Acquisition Time	: 3/27/2012 6:55:57 PM	Cycle	: 6

Raw Data File : \\aussvr05\tcdata\CHROM\GC11\2012\1203\0327\K-A0006.raw <Modified>
Result File : \\aussvr05\tcdata\CHROM\GC11\2012\1203\0327\K-A0006.rst
Inst Method : \\aussvr05\tcdata\chrom\gc11\methods\gcl-glycol-alc-aq from \\aussvr05\tcdata\CHROM\GC11\2012\1203\0327\K-A0006.raw
Proc Method : \\aussvr05\tcdata\chrom\gc11\2012\1203\gcl-glycol-alc-032712 mix a.mth from
\\aussvr05\tcdata\CHROM\GC11\2012\1203\0327\K-A0006.rst
Calib Method : \\aussvr05\tcdata\chrom\gc11\2012\1203\gcl-glycol-alc-032712 mix a.mth from
\\aussvr05\tcdata\CHROM\GC11\2012\1203\0327\K-A0006.rst
Report Format File: \\aussvr05\tcdata\chrom\gc11\reports\8015-ccv-rec-rev012398.rpt
Sequence File : \\aussvr05\tcdata\CHROM\GC11\2012\1203\11A12C27.seq

Noise Threshold	: 1	Area Threshold	: 1000
Bunch Factor	: 2	Multiplier	: 1.0000
Divisor	: 1.0000	Addend	: 0.0000

User1	: ALGL:C3
User2	:
User3	: GC11
User4	:
User5	:
User6	:
User7	:
User8	:
User9	:
User10	:
Total number of peaks detected	: 15

Instrument Conditions
Capillary GC -
Instrument : GCL
Column : STABILWAX-D
Carrier Gas : H2
Injection Temp.: 260 C
Detector 1 : FID 265 C
Temp. Program : 40 C - 210 C at 12.5 C/min. IH= 2 min FH= 0 min.
210-245 at 20 C/min. FH = 6 min. Run time = 23.35 min.
Range: Det A = 1

**** 8015 Report ****

Peak #	Time [min]	Component Name	Raw Result (ug/mL)	Area [uV*sec]	Height [uV]	Sample Conc. (mg/L)	BL	ICV/CCV rec. (%)	Cal. Range
1	0.786	Methanol *|67-56-1	244.2413	274203.78	92063.87	244.2413	BV	488	
2	0.897	Ethanol *|64-17-5	251.8077	624121.02	193227.88	251.8077	VB	504	
3	1.450	n-Propanol *|71-23-8	248.3879	626073.48	184043.08	248.3879	BV	497	
4	1.610	1,4-Dioxane *|123-91-1	251.1950	469315.32	82656.90	251.1950	VB	502	
5	2.982	n-Butanol *|71-36-3	249.6238	763808.00	187951.26	249.6238	BB	499	
6	3.927	2-Methoxyethanol *|109-86-4	247.4394	341863.20	176841.28	247.4394	BB	495	
7	4.214	2-Ethoxyethanol *|110-80-5	248.7923	426351.20	132657.03	248.7923	BB	498	
8	5.369	Propargyl Alcohol *|107-19-7	249.6347	795096.00	367918.57	249.6347	BB	499	
9	5.568	2-Chloroethanol *|107-07-3	249.7502	237144.00	99370.36	249.7502	BB	500	
10	7.987	Ethylene Glycol *|107-21-1	998.2078	1346212.00	612931.90	998.2078	BB	499	
11	8.929		0.0030	3001.60	1243.09	0.0030	BB	---	
12	9.361	Diethylene Gly. BE *|112-34-5	249.5406	577834.00	231934.46	249.5406	BB	499	
13	10.841	Diethylene Glycol *|Q763	998.4897	1372358.00	575544.99	998.4897	BB	499	
14	12.402		0.0019	1944.00	229.20	0.0019	BB	---	
15	13.326	Triethylene Glycol *|112-27-6	992.2026	1377474.40	521736.89	992.2026	BB	496	
-	21.000	UPRT	0.0000	0.00	0.00	0.0000		---	
			5479.3178	9236800.00	3.46e+06	5479.3178			

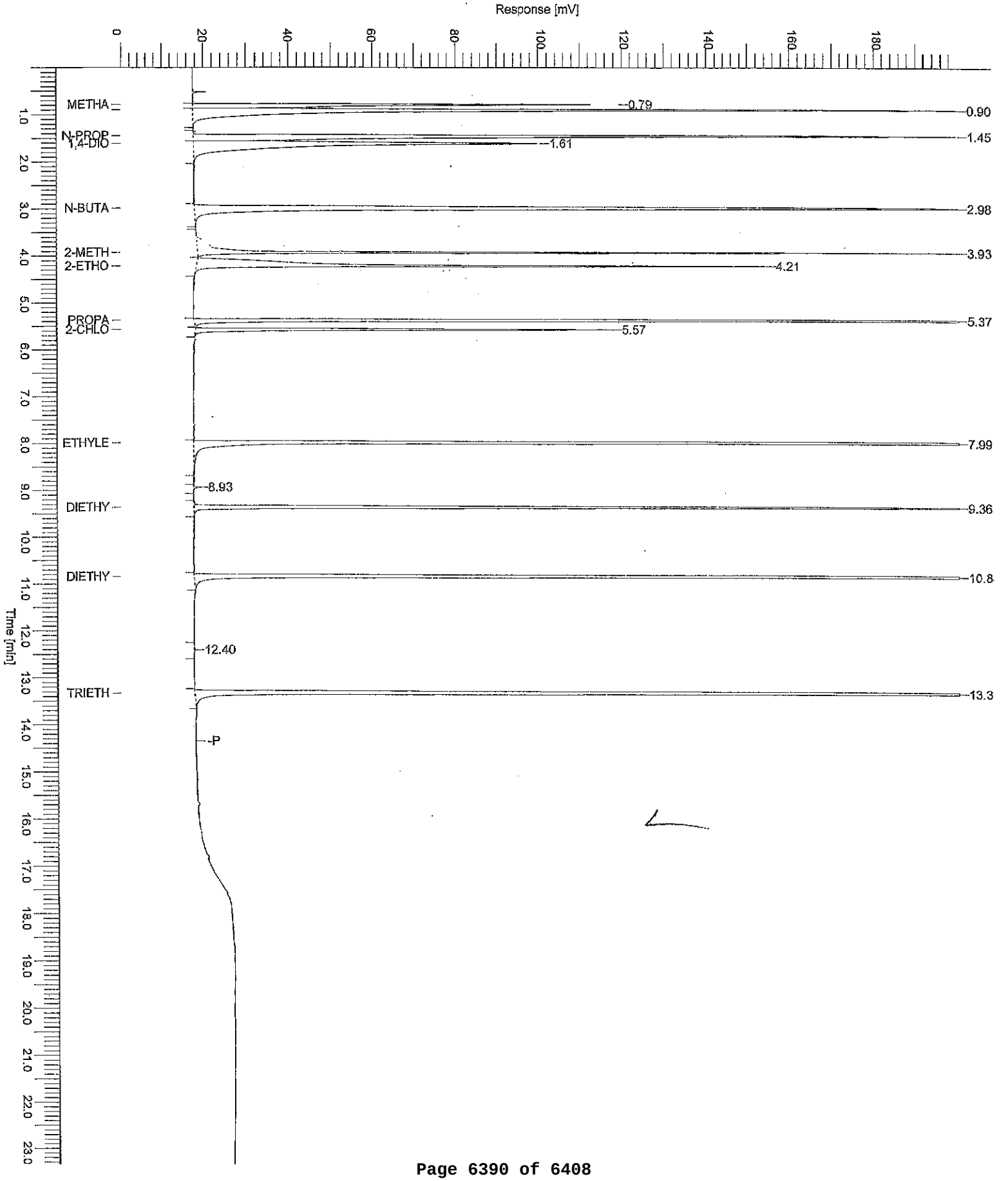
ANALYST'S INITIALS:
NOTE: The "Raw Result (ug/mL)" column refers to extract concentrations and excludes the contribution of the dilution factor, final extract volume, & sample amount. The "Sample Concentration (mg/L)" refers to the final calculated concentration that includes the contribution of the above factors.

3/29/2012 11:07:54 AM Result: \\aussvr05\tcdata\CHROM\GC11\2012\1203\0327\K-A0006.rst

Report stored in ASCII file: \\aussvr05\tcdata\CHROM\GC11\2012\1203\0327\K-A0006.TX0

Chromatogram

Sample Name : MIX A CAL 5 Sample #: 003 Page 1 of 1
FileName : \\aussvr05\tcdata\CHROM\GC11\2012\1203\0327\K-A0006.raw
Date : 3/29/2012 11:07:55 AM
Method : gcl-glycol-alc-aq Time of Injection: 3/27/2012 6:55:57 PM
Start Time : 0.00 min End Time : 23.35 min Low Point : 0.00 mV High Point : 200.00 mV
Plot Offset: 0.00 mV Plot Scale: 200.0 mV



Software Version	: 6.2.1.0.104:0104	Date	: 3/29/2012 11:52:01 AM
Reprocess Number	: [Not Known]		
Operator	: SML	Sample Name	: MIX A SSV
Sample Number	: 003	Study	: AV01003
AutoSampler	: NONE	Rack/Vial	: 0/0
Instrument Name	: GC11	Channel	: A
Interface Serial #	: 1127573585	A/D mV Range	: 2000
Delay Time	: 0.00 min	End Time	: 23.35 min
Sampling Rate	: 2.5000 pts/s		
Sample Volume	: 1.000000 ml	Area Reject	: 0.000000
Sample Amount	: 1.0000	Dilution Factor	: 1.00
Data Acquisition Time	: 3/27/2012 7:25:34 PM	Cycle	: 1

ICC#1

Raw Data File : \\aussvr05\tcdata\CHROM\GC11\2012\1203\0327\K-A0007.raw <Modified>
Result File : \\aussvr05\tcdata\CHROM\GC11\2012\1203\0327\K-A0007.rst
Inst Method : \\aussvr05\tcdata\chrom\gc11\methods\gcl-glycol-alc-aq from \\aussvr05\tcdata\CHROM\GC11\2012\1203\0327\K-A0007.raw
Proc Method : \\aussvr05\tcdata\chrom\gc11\2012\1203\gcl-glycol-alc-032712 mix a.mth from
\\aussvr05\tcdata\CHROM\GC11\2012\1203\0327\K-A0007.rst
Calib Method : \\aussvr05\tcdata\chrom\gc11\2012\1203\gcl-glycol-alc-032712 mix a.mth from
\\aussvr05\tcdata\CHROM\GC11\2012\1203\0327\K-A0007.rst
Report Format File: \\aussvr05\tcdata\chrom\gc11\reports\8015-high-ccv-rec-rev.rpt
Sequence File : \\aussvr05\tcdata\CHROM\GC11\2012\1203\11A12C27.seq

Noise Threshold	: 1	Area Threshold	: 1000
Bunch Factor	: 2	Multiplier	: 1.0000
Divisor	: 1.0000	Addend	: 0.0000

User1	: ALGL:C3
User2	:
User3	: GC11
User4	:
User5	:
User6	:
User7	:
User8	:
User9	:
User10	:
Total number of peaks detected	: 14

Instrument Conditions
Capillary GC -
Instrument : GCL
Column : STABILWAX-D
Carrier Gas : H2
Injection Temp.: 260 C
Detector 1 : FID 265 C
Temp. Program : 40 C - 210 C at 12.5 C/min. IH= 2 min FH= 0 min.
210-245 at 20 C/min. FH = 6 min. Run time = 23.35 min.
Range: Det A = 1

**** 8015 Report ****

Peak #	Time [min]	Component Name	Raw Result (ug/mL)	Area [uV*sec]	Height [uV]	Sample Conc. (mg/L)	BL	ICV/CCV rec. (%)	Cal. Range
1	0.791	Methanol *|67-56-1	85.3003	109592.29	40827.44	85.3003	BV	85	
2	0.902	Ethanol *|64-17-5	107.9129	255532.51	77778.08	107.9129	VB	108	
3	1.455	n-Propanol *|71-23-8	98.0838	250859.85	68691.60	98.0838	BV	98	
4	1.613	1,4-Dioxane *|123-91-1	104.5608	192886.95	34273.73	104.5608	VB	105	
5	2.982	n-Butanol *|71-36-3	102.0471	314932.49	75391.20	102.0471	BV	102	
6	3.647		0.0132	13186.50	1401.36	0.0132	VV	---	
7	3.934	2-Methoxyethanol *|109-86-4	103.5476	144037.53	67420.06	103.5476	VV	104	
8	4.219	2-Ethoxyethanol *|110-80-5	103.3481	179012.28	52207.69	103.3481	VB	103	
9	5.373	Propargyl Alcohol *|107-19-7	100.7322	322415.60	147535.16	100.7322	BB	101	
10	5.573	2-Chloroethanol *|107-07-3	100.4187	95762.40	39149.42	100.4187	BB	100	
11	7.975	Ethylene Glycol *|107-21-1	404.5939	545910.40	247220.33	404.5939	BB	101	
12	9.359	Diethylene Gly. BE *|112-34-5	100.7686	234892.40	93458.91	100.7686	BB	101	
13	10.829	Diethylene Glycol *|Q763	403.4573	556289.20	241680.46	403.4573	BB	101	
14	13.318	Triethylene Glycol *|112-27-6	404.0141	558705.60	209226.49	404.0141	BB	101	
-	21.000	UPRT	0.0000	0.00	0.00	0.0000		---	
			2218.7985	3774016.00	1.40e+06	2218.7985			

±20%

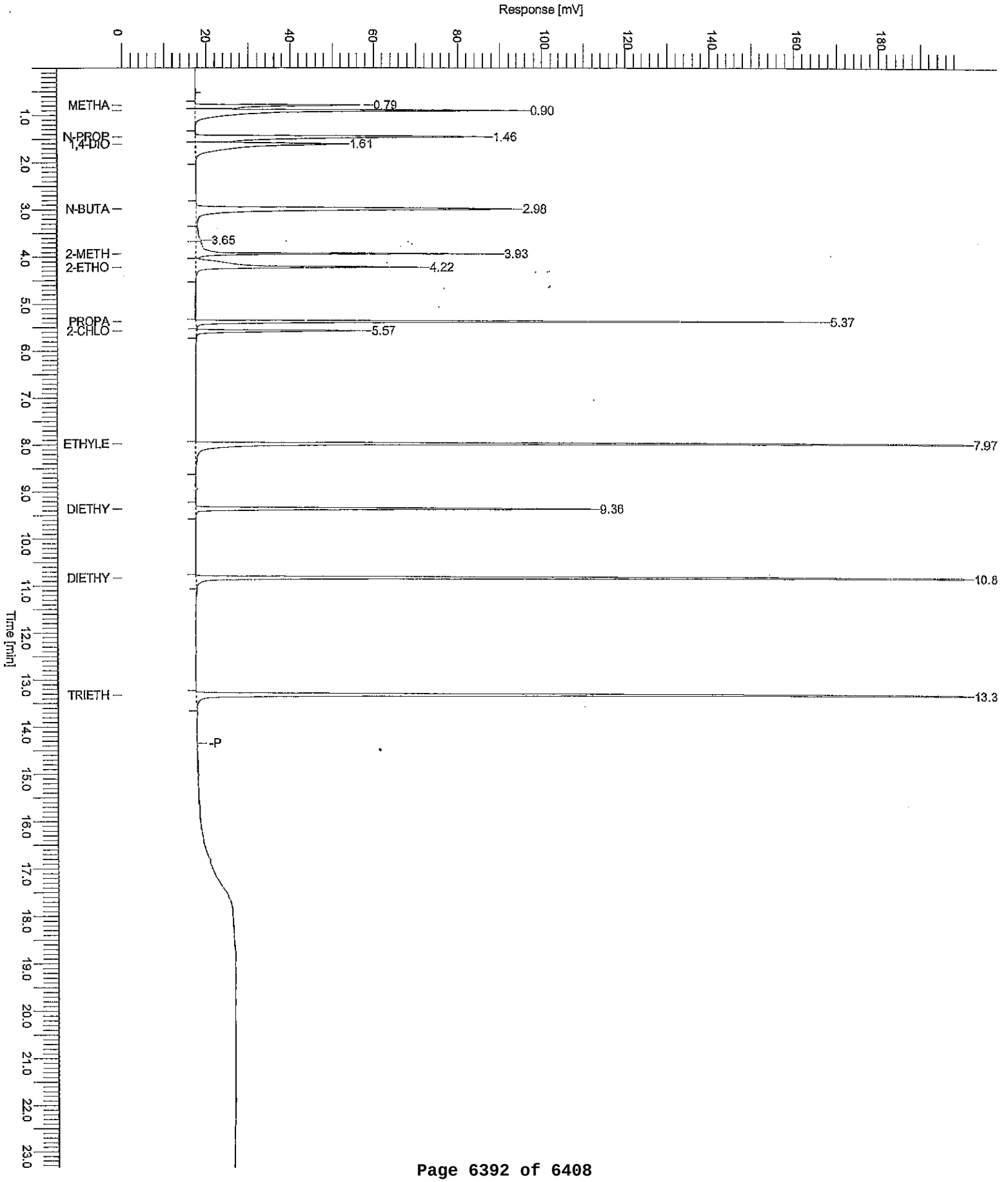
BLD 4/2/12

ANALYST'S INITIALS:
NOTE: The "Raw Result (ug/mL)" column refers to extract concentrations and excludes the contribution of the dilution factor, final extract volume, & sample amount. The "Sample Concentration (mg/L)" refers to the final calculated concentration that includes the contribution of the above factors.

Report stored in ASCII file: \\aussvr05\tcdata\CHROM\GC11\2012\1203\0327\K-A0007.TX0

Chromatogram

Sample Name : MIX A SSV Sample #: 003 Page 1 of 1
FileName : \\aussvr05\tcdata\CHROM\GC11\2012\1203\0327\K-A0007.raw
Date : 3/29/2012 11:52:02 AM
Method : gcl-glycol-alc-aq Time of Injection: 3/27/2012 7:25:34 PM
Start Time : 0.00 min End Time : 23.35 min Low Point : 0.00 mV High Point : 200.00 mV
Plot Offset: 0.00 mV Plot Scale: 200.0 mV



TotalChrom Method File \\aussvr05\tcdata\CHROM\GC11\2012\1203\GCL-GLYCOL-ALC-032712 Mix B.mth
Printed by : SML on: 3/29/2012 1:21:36 PM
Created by : SML on: 3/28/2012 4:11:23 PM
Edited by : SML on: 3/29/2012 12:59:31 PM
Number of Times Edited : 1
Number of Times Calibrated : 220
Description:

Instrument Conditions

Capillary GC -
Instrument : GCL
Column : STABILWAX-D
Carrier Gas : H2
Injection Temp.: 260 C
Detector 1 : FID 265 C
Temp. Program : 40 C - 210 C at 12.5 C/min. IH= 2 min FH= 0 min.
210-245 at 20 C/min. FH = 6 min. Run time = 23.05 min.
Range: Det A = 1

Instrument Control Method

Instrument Name : GC11
Instrument Type : 900 Series Intelligent Interface

Interface Parameters

Delay Time : 0.00 min
Run Time : 23.35 min
Sampling Rate : 2.5000 pts/s
Interface Type : 900 Series Intelligent Interface
Analog Voltage Input : 2000 mV
Data will be collected from channel A

Timed Events

There are no timed events in the method

Real Time Plot Parameters

	Pages	Offset (mV)	Scale (mV)
Channel A	1	15.000	200.000

Processing Parameters

Bunch Factor : 2 points
Noise Threshold : 1 µV
Area Threshold : 1000.00 µV

Peak Separation Criteria

Width Ratio : 0.200
Valley-to-Peak Ratio : 0.010

BLD 4/2/12

Exponential Skim Criteria

Peak Height Ratio : 5.000
Adjusted Height Ratio : 4.000
Valley Height Ratio : 3.000

Baseline Timed Events

Event #1 - Disable Peak Detection at 13.731

Optional Reports

No report format files given

Optional Report Plot Parameters

Plot Number	1	2	3	4	5
Generate this plot	No	No	No	No	No
Start plot at end of delay time	Yes	Yes	Yes	Yes	Yes
Start Time					
End Time					
Scale Type	Vertical Scaling	Vertical Scaling	Vertical Scaling	Vertical Scaling	Vertical Scaling
Scale Factor	1.000	1.000	1.000	1.000	1.000
Full Scale					
Offset					

Annotated Replot Parameters

Offset & Scale set to absolute values
Draw baselines
Include timed event annotations

Automatically set plot start and end times to data limits

Plot Offset : 0.000 µV
Plot Scale : 200.000 µV
Number of Pages : 1
Plot Title : Chromatogram
X-Axis Label : Time [min]
Y-Axis Label : Response [mV]
Orientation : Landscape
Retention Labels : Peak Crests
Component Labels : Actual Time

User Programs

User Program #1 : C:\TC6_Read.exe
Command Line : $RST
Entry Point : Annotated Replot Generation
Synchronize : No

Global Sample Information

Default Sample Volume : 1.000 ml
Quantitation Units : ug/ml
Void Time : 0.000 min
Correct amounts during calibration : No
Convert unknowns to concentration units : Yes
Reject outliers during calibration : No

An External Standard calibration will be used
Unknown peaks will be quantitated using a response factor of 1.000000e+06
First peak will be relative retention reference

Component Information

2-Propanol *|67-63-0
Component Type : Single Peak Component
Retention Time : 0.866 min
Search Window : 0.00 s, 3.00 %
Reference Component : Isobutanol *|78-83-1
Find peak closest to expected RT in window
Calibrating Area versus Amount using a 1st Order Fit
Curve will ignore the origin
Amounts will not be scaled prior to the regression
Weighting factor for the regression: 1
Component standard purity percentage : 100.0000%

User Values
Label :
Value 1 : 50.000000
Value 2 : 100.000000
Value 3 : 0.000000
Value 4 : 0.000000
Value 5 : 0.000000

Calibration Level

Level Name	Amount	Area	Height	ISTD Amt.	ISTD Resp.	# Replicates
B1	5.0000	11432.00	5421.88	----------	----------	1
B2	25.0000	54651.60	29247.70	----------	----------	1
B3	50.0000	120806.00	62971.30	----------	----------	1
B4	100.0000	222606.80	127275.38	----------	----------	1
B5	250.0000	548469.60	346934.77	----------	----------	1

Calibration Curve : y = (3765.921903) + (2184.038117)x + (0.000000)x^2 + (0.000000)x^3
R-squared : 0.999525

Isobutanol *|78-83-1
Component Type : Single Peak Component
Retention Time : 2.093 min
Search Window : 0.00 s, 3.00 %
This component is a reference
Find peak closest to expected RT in window
Calibrating Area versus Amount using a 1st Order Fit
Curve will ignore the origin
Amounts will not be scaled prior to the regression
Weighting factor for the regression: 1
Component standard purity percentage : 100.0000%

3/29/2012 1:21:36 PM Method: \\aussvr05\tcdata\CHROM\GC11\2012\1203\GCL-GLYCOL-ALC-032712 Mix B.mth

User Values
Label :
Value 1 : 50.000000
Value 2 : 100.000000
Value 3 : 0.000000
Value 4 : 0.000000
Value 5 : 0.000000

Calibration Level

Level Name	Amount	Area	Height	ISTD Amt.	ISTD Resp.	# Replicates
B1	5.0000	17018.80	3442.95	----------	----------	1
B2	25.0000	81136.00	17105.01	----------	----------	1
B3	50.0000	179590.40	37969.91	----------	----------	1
B4	100.0000	330856.00	72413.90	----------	----------	1
B5	250.0000	821520.80	186558.22	----------	----------	1

Calibration Curve : y = (4543.259788) + (3273.036514)x + (0.000000)x^2 + (0.000000)x^3
R-squared : 0.999578

Propargyl Alcohol *|107-19-7
Component Type : Single Peak Component
Retention Time : 5.375 min
Search Window : 0.00 s, 3.00 %
Reference Component :
Find largest peak in window
Calibrating Area versus Amount using a 1st Order Fit
Curve will ignore the origin
Amounts will not be scaled prior to the regression
Weighting factor for the regression: 1
Component standard purity percentage : 100.0000%

User Values
Label :
Value 1 : 50.000000
Value 2 : 100.000000
Value 3 : 100.000000
Value 4 : 0.000000
Value 5 : 0.000000

Calibration Level

Level Name	Amount	Area	Height	ISTD Amt.	ISTD Resp.	# Replicates
A1	5.0000	16760.22	7794.86	----------	----------	1
A2	25.0000	79160.20	39216.15	----------	----------	1
A3	50.0000	165508.00	79946.65	----------	----------	1
A4	100.0000	321721.60	156488.65	----------	----------	1
A5	250.0000	795096.00	367918.57	----------	----------	1

from Mix A method (calibrated in Mix A method)

Calibration Curve : y = (2648.224828) + (3174.429999)x + (0.000000)x^2 + (0.000000)x^3
R-squared : 0.999917

Propylene Glycol *|Q764
Component Type : Single Peak Component
Retention Time : 7.680 min
Search Window : 0.00 s, 3.00 %
Reference Component : Isobutanol *|78-83-1
Find peak closest to expected RT in window
Calibrating Area versus Amount using a 1st Order Fit
Curve will ignore the origin
Amounts will not be scaled prior to the regression
Weighting factor for the regression: 1
Component standard purity percentage : 100.0000%

User Values
Label :
Value 1 : 200.000000
Value 2 : 400.000000
Value 3 : 0.000000
Value 4 : 0.000000
Value 5 : 0.000000

3/29/2012 1:21:36 PM Method: \\aussvr05\tcdata\CHROM\GC11\2012\1203\GCL-GLYCOL-ALC-032712 Mix B.mth

Calibration Level

Level Name	Amount	Area	Height	ISTD Amt.	ISTD Resp.	# Replicates
B1	20.0000	29256.00	2914.24	----------	----------	1
B2	100.0000	148074.40	20126.20	----------	----------	1
B3	200.0000	351731.20	69581.15	----------	----------	1
B4	400.0000	649719.20	162922.82	----------	----------	1
B5	1000.0000	1632571.20	548914.38	----------	----------	1

Calibration Curve : y = (116.515128) + (1634.168270)x + (0.000000)x^2 + (0.000000)x^3
R-squared : 0.999465

UPRT
Component Type : Single Peak Component
Retention Time : 21.000 min
Search Window : 0.00 s, 0.01 %
Reference Component :
Find peak closest to expected RT in window
Use Average Calibration Factor (Area / Amount)
Component standard purity percentage : 100.0000%

User Values
Label :
Value 1 : 0.000000
Value 2 : 0.000000
Value 3 : 0.000000
Value 4 : 0.000000
Value 5 : 0.000000

Calibration Level

Level Name	Amount	Area	Height	ISTD Amt.	ISTD Resp.	# Replicates
UPRT	0.0000	0.00	0.00	----------	----------	0

Average Calibration Factor = 0.000000 (%RSD = 0.00)

Software Version	: 6.2.1.0.104:0104	Date	: 3/29/2012 11:07:59 AM
Reprocess Number	: [Not Known]		
Operator	: SML	Sample Name	: MIX B CAL 1
Sample Number	: 003	Study	: AV01006
AutoSampler	: NONE	Rack/Vial	: 0/0
Instrument Name	: GC11	Channel	: A
Interface Serial #	: 1127573585	A/D mV Range	: 2000
Delay Time	: 0.00 min	End Time	: 23.35 min
Sampling Rate	: 2.5000 pts/s		
Sample Volume	: 1.000000 ml	Area Reject	: 0.000000
Sample Amount	: 1.0000	Dilution Factor	: 1.00
Data Acquisition Time	: 3/27/2012 9:52:40 PM	Cycle	: 1

Raw Data File : \\aussvr05\tcdata\CHROM\GC11\2012\1203\0327\K-A0012.raw <Modified>
Result File : \\aussvr05\tcdata\CHROM\GC11\2012\1203\0327\K-A0012.rst
Inst Method : \\aussvr05\tcdata\chrom\gc11\methods\gcl-glycol-alc-aq from \\aussvr05\tcdata\CHROM\GC11\2012\1203\0327\K-A0012.raw
Proc Method : \\aussvr05\tcdata\chrom\gc11\2012\1203\gcl-glycol-alc-032712 mix b.mth from
\\aussvr05\tcdata\CHROM\GC11\2012\1203\0327\K-A0012.rst
Calib Method : \\aussvr05\tcdata\chrom\gc11\2012\1203\gcl-glycol-alc-032712 mix b.mth from
\\aussvr05\tcdata\CHROM\GC11\2012\1203\0327\K-A0012.rst
Report Format File: \\aussvr05\tcdata\chrom\gc11\reports\8015-ccv-rec-rev012398.rpt
Sequence File : \\aussvr05\tcdata\CHROM\GC11\2012\1203\11A12C27.seq

Noise Threshold	: 1	Area Threshold	: 1000
Bunch Factor	: 2	Multiplier	: 1.0000
Divisor	: 1.0000	Addend	: 0.0000

User1	: ALGL:C3
User2	:
User3	: GC11
User4	:
User5	:
User6	:
User7	:
User8	:
User9	:
User10	:
Total number of peaks detected	: 4

Instrument Conditions
Capillary GC -
Instrument : GCL
Column : STABILWAX-D
Carrier Gas : H2
Injection Temp.: 260 C
Detector 1 : FID 265 C
Temp. Program : 40 C - 210 C at 12.5 C/min. IH= 2 min FH= 0 min.
210-245 at 20 C/min. FH = 6 min. Run time = 23.35 min.
Range: Det A = 1

**** 8015 Report ****

Peak #	Time [min]	Component Name	Raw Result (ug/mL)	Area [uV*sec]	Height [uV]	Sample Conc. (mg/L)	BL	ICV/CCV rec. (%)	Cal. Range
1	0.868	2-Propanol *|67-63-0	-295.9259	11432.00	5421.88	-295.9259	BB		*
2	2.095	Isobutanol *|78-83-1	-295.9259	17018.80	3442.95	-295.9259	BB		*
3	3.635		0.0127	12680.80	1012.49	0.0127	BB	---	
-	5.372	Propargyl Alcohol *|107-19-7	0.0000	0.00	0.00	0.0000		---	
4	7.691	Propylene Glycol *|Q764	-1.18e+03	29256.00	2914.24	-1183.7037	BB		*
-	21.000	UPRT	0.0000	0.00	0.00	0.0000		---	
			-1.78e+03	70387.60	12791.56	-1775.5429			

* Warning -- uncalibrated levels encountered

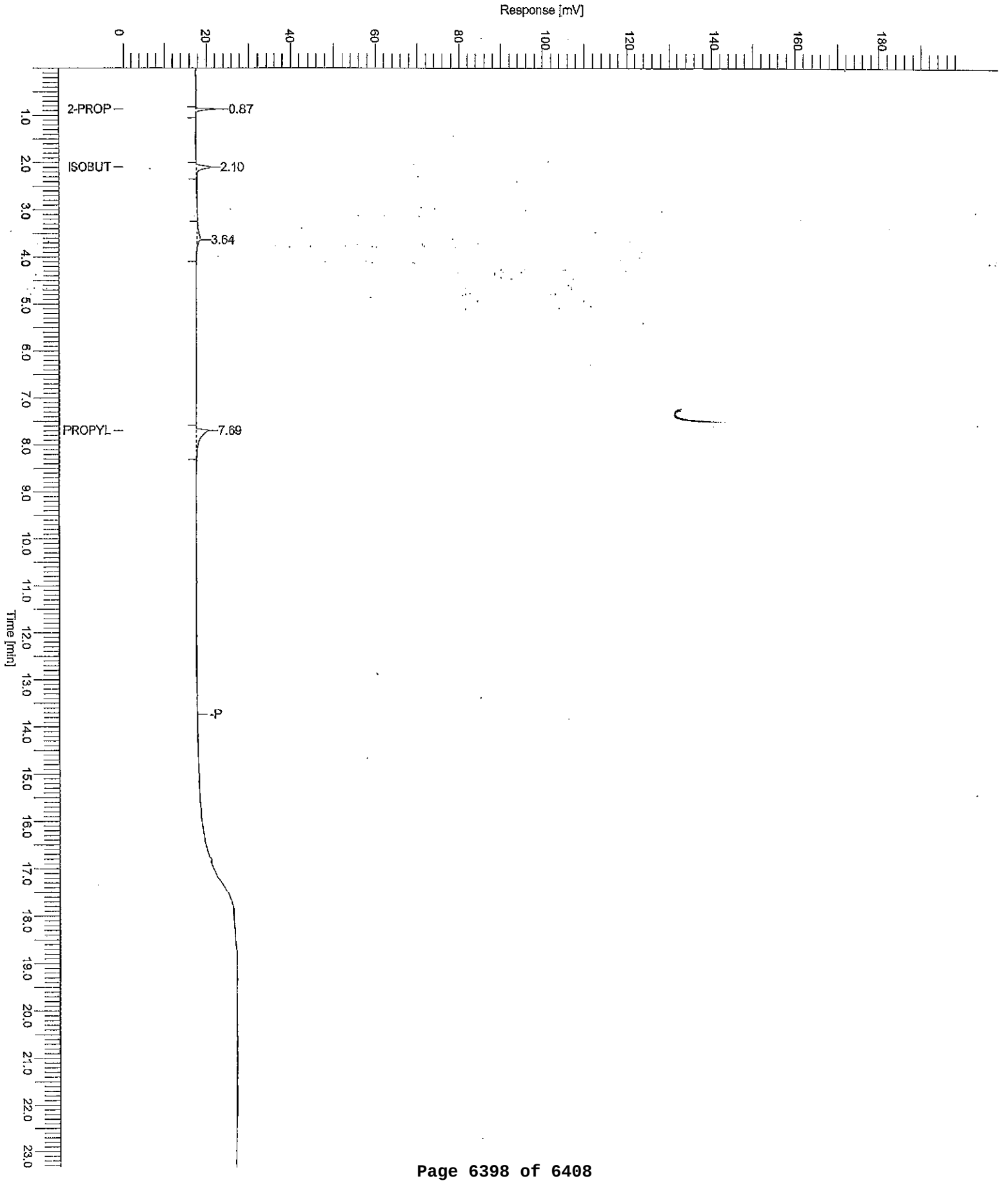
ANALYST'S INITIALS:
NOTE: The "Raw Result (ug/mL)" column refers to extract concentrations and excludes the contribution of the dilution factor, final extract volume, & sample amount. The "Sample Concentration (mg/L)" refers to the final calculated concentration that includes the contribution of the above factors.

Report stored in ASCII file: \\aussvr05\tcdata\CHROM\GC11\2012\1203\0327\K-A0012.TX0

BRD 4/2/12

Chromatogram

Sample Name : MIX B CAL 1 Sample #: 003 Page 1 of 1
FileName : \\aussvr05\tcdata\CHROM\GC11\2012\1203\0327\K-A0012.raw
Date : 3/29/2012 11:08:00 AM
Method : gcl-glycol-alc-aq Time of Injection: 3/27/2012 9:52:40 PM
Start Time : 0.00 min End Time : 23.35 min Low Point : 0.00 mV High Point : 200.00 mV
Plot Offset: 0.00 mV Plot Scale: 200.0 mV



Software Version	: 6.2.1.0.104:0104	Date	: 3/29/2012 11:08:02 AM
Reprocess Number	: [Not Known]		
Operator	: SML	Sample Name	: MIX B CAL 2
Sample Number	: 003	Study	: AV01007
AutoSampler	: NONE	Rack/Vial	: 0/0
Instrument Name	: GC11	Channel	: A
Interface Serial #	: 1127573585	A/D mV Range	: 2000
Delay Time	: 0.00 min	End Time	: 23.35 min
Sampling Rate	: 2.5000 pts/s		
Sample Volume	: 1.000000 ml	Area Reject	: 0.000000
Sample Amount	: 1.0000	Dilution Factor	: 1.00
Data Acquisition Time	: 3/27/2012 10:22:03 PM	Cycle	: 2

Raw Data File : \\aussvr05\tcdata\CHROM\GC11\2012\1203\0327\K-A0013.raw <Modified>
Result File : \\aussvr05\tcdata\CHROM\GC11\2012\1203\0327\K-A0013.rst
Inst Method : \\aussvr05\tcdata\chrom\gc11\methods\gcl-glycol-alc-aq from \\aussvr05\tcdata\CHROM\GC11\2012\1203\0327\K-A0013.raw
Proc Method : \\aussvr05\tcdata\chrom\gc11\2012\1203\gcl-glycol-alc-032712 mix b.mth from
\\aussvr05\tcdata\CHROM\GC11\2012\1203\0327\K-A0013.rst
Calib Method : \\aussvr05\tcdata\chrom\gc11\2012\1203\gcl-glycol-alc-032712 mix b.mth from
\\aussvr05\tcdata\CHROM\GC11\2012\1203\0327\K-A0013.rst
Report Format File: \\aussvr05\tcdata\chrom\gc11\reports\8015-ccv-rec-rev012398.rpt
Sequence File : \\aussvr05\tcdata\CHROM\GC11\2012\1203\11A12C27.seq

Noise Threshold	: 1	Area Threshold	: 1000
Bunch Factor	: 2	Multiplier	: 1.0000
Divisor	: 1.0000	Addend	: 0.0000

User1	: ALGL:C3
User2	:
User3	: GC11
User4	:
User5	:
User6	:
User7	:
User8	:
User9	:
User10	:

Total number of peaks detected : 4
Instrument Conditions
Capillary GC -
Instrument : GCL
Column : STABILWAX-D
Carrier Gas : H2
Injection Temp.: 260 C
Detector 1 : FID 265 C
Temp. Program : 40 C - 210 C at 12.5 C/min. IH= 2 min FH= 0 min.
210-245 at 20 C/min. FH = 6 min. Run time = 23.35 min.
Range: Det A = 1

**** 8015 Report ****

Peak #	Time [min]	Component Name	Raw Result (ug/mL)	Area [uV*sec]	Height [uV]	Sample Conc. (mg/L)	BL	ICV/CCV rec. (%)	Cal. Range
1	0.867	2-Propanol *|67-63-0	-290.1467	54651.60	29247.70	-290.1467	BB		*
2	2.092	Isobutanol *|78-83-1	-289.8641	81136.00	17105.01	-289.8641	BB		*
3	3.636		0.0134	13429.60	1038.71	0.0134	BB	---	
-	5.372	Propargyl Alcohol *|107-19-7	0.0000	0.00	0.00	0.0000		---	
4	7.684	Propylene Glycol *|Q764	-1.18e+03	148074.40	20126.20	-1183.6123	BB		*
-	21.000	UPRT	0.0000	0.00	0.00	0.0000		---	
			-1.76e+03	297291.60	67517.62	-1763.6097			

* Warning -- uncalibrated levels encountered

ANALYST'S INITIALS: _____

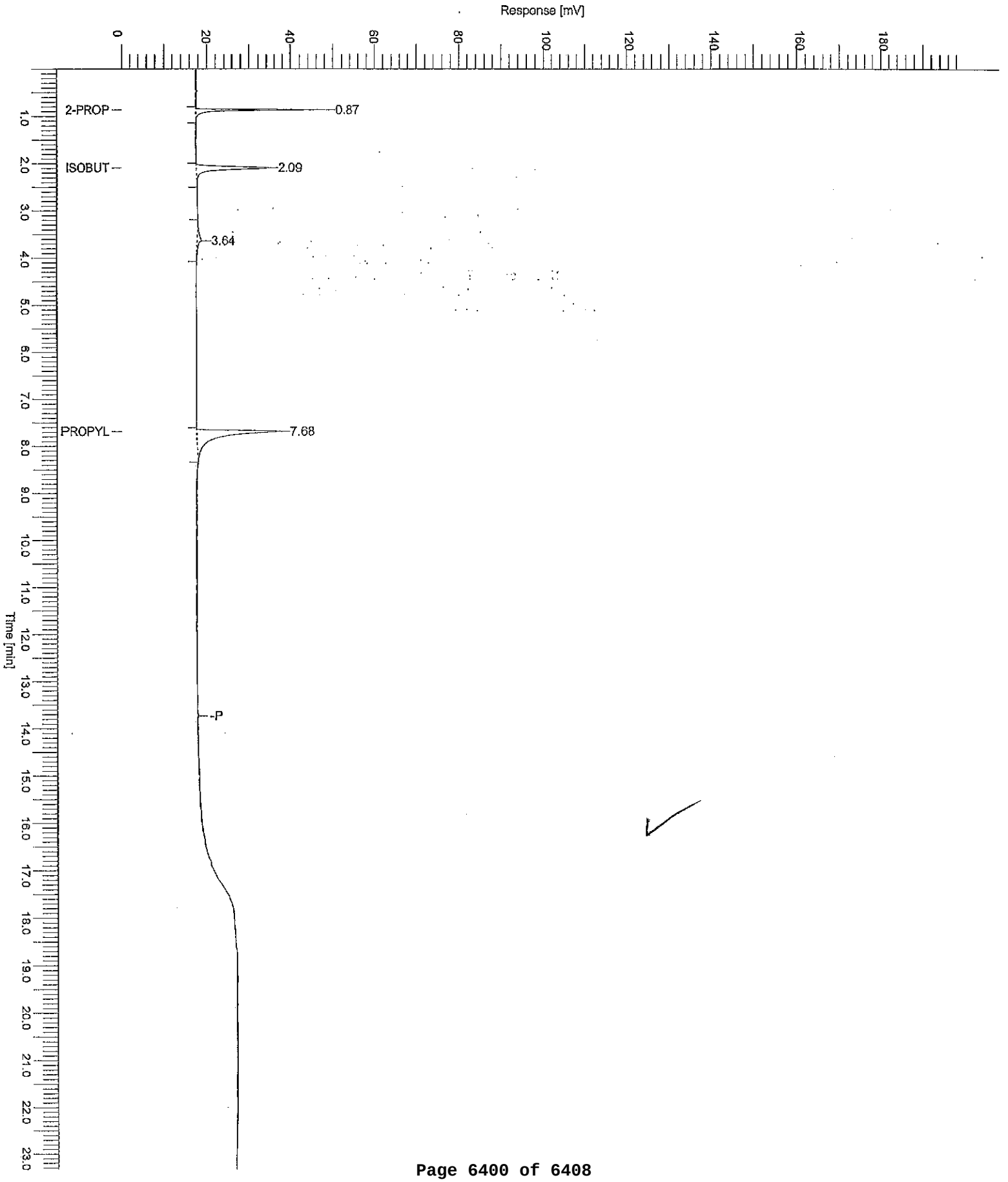
NOTE: The "Raw Result (ug/mL)" column refers to extract concentrations and excludes the contribution of the dilution factor, final extract volume, & sample amount. The "Sample Concentration (mg/L)" refers to the final calculated concentration that includes the contribution of the above factors.

Report stored in ASCII file: \\aussvr05\tcdata\CHROM\GC11\2012\1203\0327\K-A0013.TX0

BVP 4/2/12

Chromatogram

Sample Name : MIX B CAL 2 Sample #: 003 Page 1 of 1
FileName : \\aussvr05\tcdata\CHROM\GC11\2012\1203\0327\K-A0013.raw
Date : 3/29/2012 11:08:03 AM
Method : gcl-glycol-alc-aq Time of Injection: 3/27/2012 10:22:03 PM
Start Time : 0.00 min End Time : 23.35 min Low Point : 0.00 mV High Point : 200.00 mV
Plot Offset: 0.00 mV Plot Scale: 200.0 mV



Software Version	: 6.2.1.0.104:0104	Date	: 3/29/2012 11:08:05 AM
Reprocess Number	: [Not Known]		
Operator	: SML	Sample Name	: MIX B CAL 3
Sample Number	: 003	Study	: AV01008
AutoSampler	: NONE	Rack/Vial	: 0/0
Instrument Name	: GC11	Channel	: A
Interface Serial #	: 1127573585	A/D mV Range	: 2000
Delay Time	: 0.00 min	End Time	: 23.35 min
Sampling Rate	: 2.5000 pts/s		
Sample Volume	: 1.000000 ml	Area Reject	: 0.000000
Sample Amount	: 1.0000	Dilution Factor	: 1.00
Data Acquisition Time	: 3/27/2012 10:51:23 PM	Cycle	: 3

Raw Data File : \\aussvr05\tcdata\CHROM\GC11\2012\1203\0327\K-A0014.raw <Modified>
Result File : \\aussvr05\tcdata\CHROM\GC11\2012\1203\0327\K-A0014.rst
Inst Method : \\aussvr05\tcdata\chrom\gc11\methods\gcl-glycol-alc-aq from \\aussvr05\tcdata\CHROM\GC11\2012\1203\0327\K-A0014.raw
Proc Method : \\aussvr05\tcdata\chrom\gc11\2012\1203\gcl-glycol-alc-032712 mix b.mth from
\\aussvr05\tcdata\CHROM\GC11\2012\1203\0327\K-A0014.rst
Calib Method : \\aussvr05\tcdata\chrom\gc11\2012\1203\gcl-glycol-alc-032712 mix b.mth from
\\aussvr05\tcdata\CHROM\GC11\2012\1203\0327\K-A0014.rst
Report Format File: \\aussvr05\tcdata\chrom\gc11\reports\8015-ccv-rec-rev012398.rpt
Sequence File : \\aussvr05\tcdata\CHROM\GC11\2012\1203\11A12C27.seq

Noise Threshold	: 1	Area Threshold	: 1000
Bunch Factor	: 2	Multiplier	: 1.0000
Divisor	: 1.0000	Addend	: 0.0000

User1	: ALGL:C3
User2	:
User3	: GC11
User4	:
User5	:
User6	:
User7	:
User8	:
User9	:
User10	:
Total number of peaks detected	: 4

Instrument Conditions
Capillary GC -
Instrument : GCL
Column : STABILWAX-D
Carrier Gas : H2
Injection Temp.: 260 C
Detector 1 : FID 265 C
Temp. Program : 40 C - 210 C at 12.5 C/min. IH= 2 min FH= 0 min.
210-245 at 20 C/min. FH = 6 min. Run time = 23.35 min.
Range: Det A = 1

**** 8015 Report ****

Peak #	Time [min]	Component Name	Raw Result (ug/mL)	Area [uV*sec]	Height [uV]	Sample Conc. (mg/L)	BL	ICV/CCV rec. (%)	Cal. Range
1	0.868	2-Propanol *|67-63-0	-288.7538	120806.00	62971.30	-288.7538	BB		*
2	2.095	Isobutanol *|78-83-1	-288.9435	179590.40	37969.91	-288.9435	BB		*
3	3.635		0.0127	12652.80	1020.79	0.0127	BB	---	
-	5.372	Propargyl Alcohol *|107-19-7	0.0000	0.00	0.00	0.0000		---	
4	7.676	Propylene Glycol *|Q764	-1.24e+03	351731.20	69581.15	-1236.6926	BB		*
-	21.000	UPRT	0.0000	0.00	0.00	0.0000		---	
			-1.81e+03	664780.40	171543.15	-1814.3773			

* Warning -- uncalibrated levels encountered

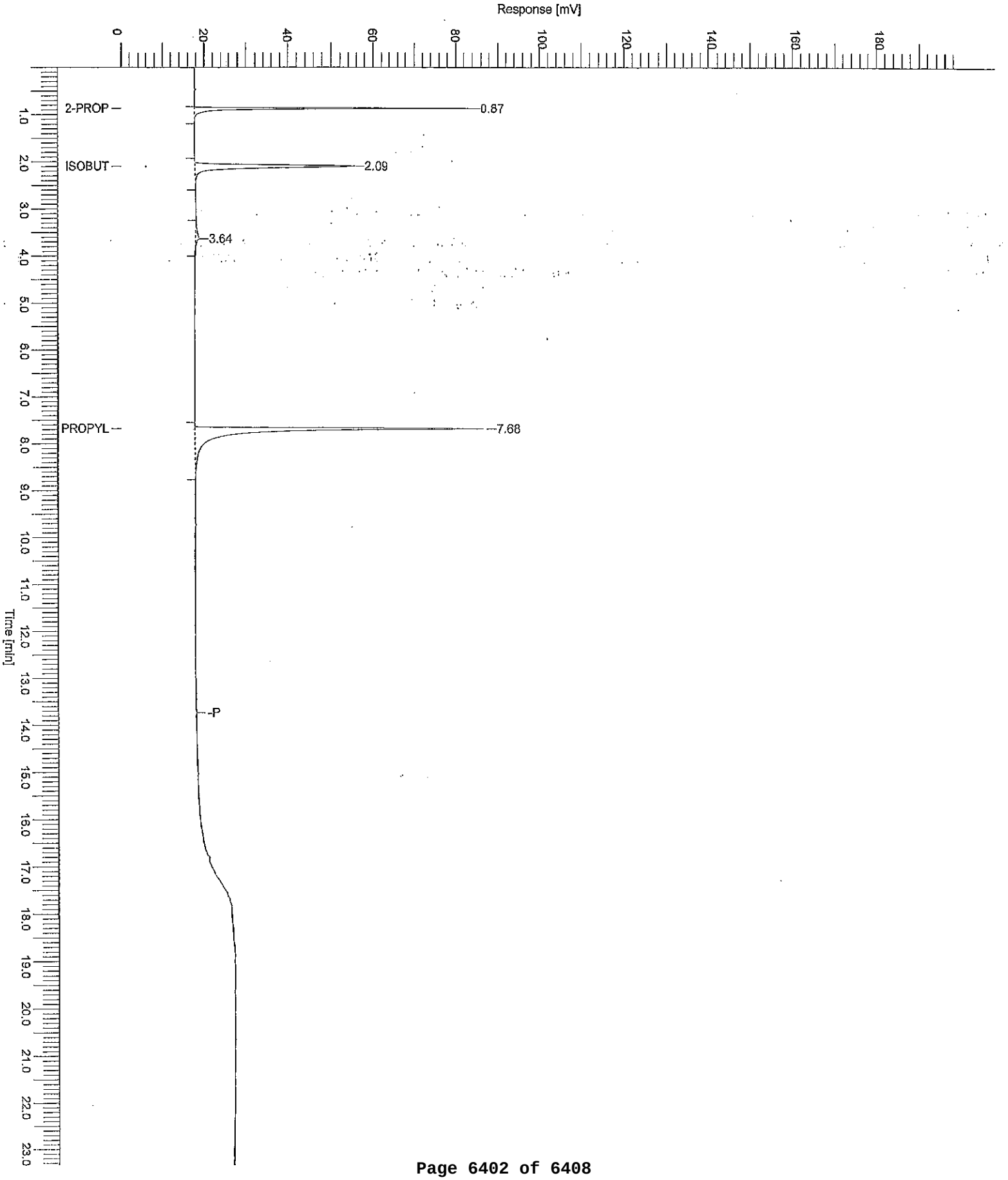
ANALYST'S INITIALS:
NOTE: The "Raw Result (ug/mL)" column refers to extract concentrations and excludes the contribution of the dilution factor, final extract volume, & sample amount. The "Sample Concentration (mg/L)" refers to the final calculated concentration that includes the contribution of the above factors.

Report stored in ASCII file: \\aussvr05\tcdata\CHROM\GC11\2012\1203\0327\K-A0014.TX0

BMP 4/2/12

Chromatogram

Sample Name : MIX B CAL 3 Sample #: 003 Page 1 of 1
FileName : \\aussvr05\tcdata\CHROM\GC11\2012\1203\0327\K-A0014.raw
Date : 3/29/2012 11:08:05 AM
Method : gcl-glycol-alc-aq Time of Injection: 3/27/2012 10:51:23 PM
Start Time : 0.00 min End Time : 23.35 min Low Point : 0.00 mV High Point : 200.00 mV
Plot Offset: 0.00 mV Plot Scale: 200.0 mV



Software Version	: 6.2.1.0.104:0104	Date	: 3/29/2012 11:08:07 AM
Reprocess Number	: [Not Known]		
Operator	: SML	Sample Name	: MIX B CAL 4
Sample Number	: 003	Study	: AV01009
AutoSampler	: NONE	Rack/Vial	: 0/0
Instrument Name	: GC11	Channel	: A
Interface Serial #	: 1127573585	A/D mV Range	: 2000
Delay Time	: 0.00 min	End Time	: 23.35 min
Sampling Rate	: 2.5000 pts/s		
Sample Volume	: 1.000000 ml	Area Reject	: 0.000000
Sample Amount	: 1.0000	Dilution Factor	: 1.00
Data Acquisition Time	: 3/27/2012 11:20:42 PM	Cycle	: 4

Raw Data File : \\aussvr05\tcdata\CHROM\GC11\2012\1203\0327\K-A0015.raw <Modified>
Result File : \\aussvr05\tcdata\CHROM\GC11\2012\1203\0327\K-A0015.rst
Inst Method : \\aussvr05\tcdata\chrom\gc11\methods\gcl-glycol-alc-aq from \\aussvr05\tcdata\CHROM\GC11\2012\1203\0327\K-A0015.raw
Proc Method : \\aussvr05\tcdata\chrom\gc11\2012\1203\gcl-glycol-alc-032712 mix b.mth from
\\aussvr05\tcdata\CHROM\GC11\2012\1203\0327\K-A0015.rst
Calib Method : \\aussvr05\tcdata\chrom\gc11\2012\1203\gcl-glycol-alc-032712 mix b.mth from
\\aussvr05\tcdata\CHROM\GC11\2012\1203\0327\K-A0015.rst
Report Format File: \\aussvr05\tcdata\chrom\gc11\reports\8015-ccv-rec-rev012398.rpt
Sequence File : \\aussvr05\tcdata\CHROM\GC11\2012\1203\11A12C27.seq

Noise Threshold	: 1	Area Threshold	: 1000
Bunch Factor	: 2	Multiplier	: 1.0000
Divisor	: 1.0000	Addend	: 0.0000

User1	: ALGL:C3
User2	:
User3	: GC11
User4	:
User5	:
User6	:
User7	:
User8	:
User9	:
User10	:

Total number of peaks detected : 5
Instrument Conditions
Capillary GC -
Instrument : GCL
Column : STABILWAX-D
Carrier Gas : H2
Injection Temp.: 260 C
Detector 1 : FID 265 C
Temp. Program : 40 C - 210 C at 12.5 C/min. IH= 2 min FH= 0 min.
210-245 at 20 C/min. FH = 6 min. Run time = 23.35 min.
Range: Det A = 1

**** 8015 Report ****

Peak #	Time [min]	Component Name	Raw Result (ug/mL)	Area [uV*sec]	Height [uV]	Sample Conc. (mg/L)	BL	ICV/CCV rec. (%)	Cal. Range
1	0.863	2-Propanol *|67-63-0	-904.6959	222606.80	127275.38	-904.6959	BB		*
2	2.088	Isobutanol *|78-83-1	-904.9559	330856.00	72413.90	-904.9559	BB		*
3	3.648		0.0128	12829.20	1041.65	0.0128	BB	---	
-	5.372	Propargyl Alcohol *|107-19-7	0.0000	0.00	0.00	0.0000		---	
4	7.674	Propylene Glycol *|Q764	-3.93e+03	649719.20	162922.82	-3933.7620	BB		*
5	9.726		0.0016	1639.20	483.62	0.0016	BB	---	
-	21.000	UPRT	0.0000	0.00	0.00	0.0000		---	
			-5.74e+03	1217650.40	364137.37	-5743.3993			

* Warning -- uncalibrated levels encountered

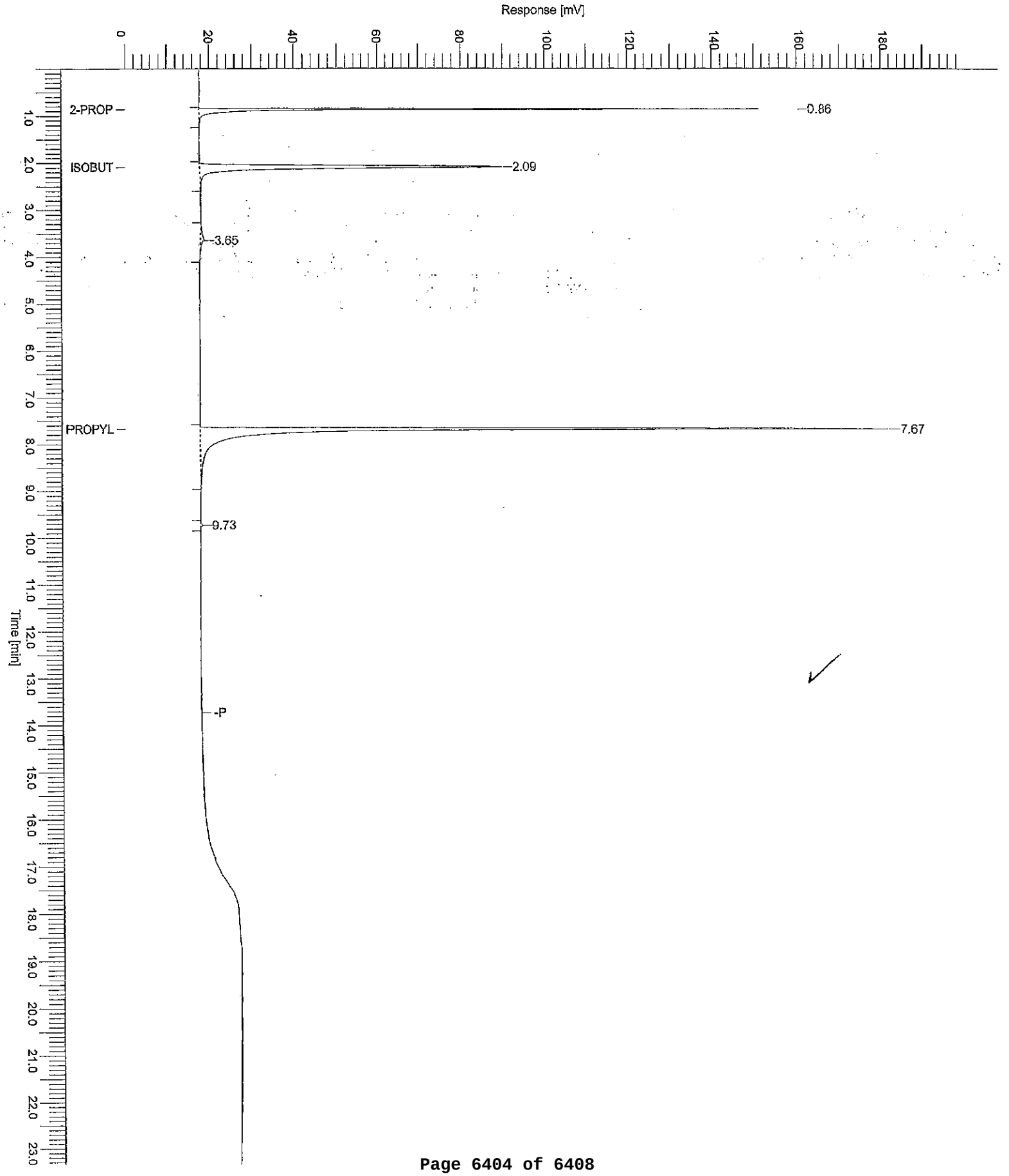
ANALYST'S INITIALS: _____
NOTE: The "Raw Result (ug/mL)" column refers to extract concentrations and excludes the contribution of the dilution factor, final extract volume, & sample amount. The "Sample Concentration (mg/L)" refers to the final calculated concentration that includes the contribution of the above factors.

Report stored in ASCII file: \\aussvr05\tcdata\CHROM\GC11\2012\1203\0327\K-A0015.TX0

BLD 4/2/12

Chromatogram

Sample Name : MIX B CAL 4 Sample #: 003 Page 1 of 1
FileName : \\aussvr05\tcdata\CHROM\GC11\2012\1203\0327\K-A0015.raw
Date : 3/29/2012 11:08:08 AM
Method : gci-glycol-alc-aq Time of Injection: 3/27/2012 11:20:42 PM
Start Time : 0.00 min End Time : 23.35 min Low Point : 0.00 mV High Point : 200.00 mV
Plot Offset: 0.00 mV Plot Scale: 200.0 mV



Software Version	: 6.2.1.0.104:0104	Date	: 3/29/2012 11:08:10 AM
Reprocess Number	: [Not Known]		
Operator	: SML	Sample Name	: MIX B CAL 5
Sample Number	: 003	Study	: AV01010
AutoSampler	: NONE	Rack/Vial	: 0/0
Instrument Name	: GC11	Channel	: A
Interface Serial #	: 1127573585	A/D mV Range	: 2000
Delay Time	: 0.00 min	End Time	: 23.35 min
Sampling Rate	: 2.5000 pts/s		
Sample Volume	: 1.000000 ml	Area Reject	: 0.000000
Sample Amount	: 1.0000	Dilution Factor	: 1.00
Data Acquisition Time	: 3/27/2012 11:50:05 PM	Cycle	: 5

Raw Data File : \\aussvr05\tcdata\CHROM\GC11\2012\1203\0327\K-A0016.raw <Modified>
Result File : \\aussvr05\tcdata\CHROM\GC11\2012\1203\0327\K-A0016.rst
Inst Method : \\aussvr05\tcdata\chrom\gc11\methods\gcl-glycol-alc-aq from \\aussvr05\tcdata\CHROM\GC11\2012\1203\0327\K-A0016.raw
Proc Method : \\aussvr05\tcdata\chrom\gc11\2012\1203\gcl-glycol-alc-032712 mix b.mth from
\\aussvr05\tcdata\CHROM\GC11\2012\1203\0327\K-A0016.rst
Calib Method : \\aussvr05\tcdata\chrom\gc11\2012\1203\gcl-glycol-alc-032712 mix b.mth from
\\aussvr05\tcdata\CHROM\GC11\2012\1203\0327\K-A0016.rst
Report Format File: \\aussvr05\tcdata\chrom\gc11\reports\8015-ccv-rec-rev012398.rpt
Sequence File : \\aussvr05\tcdata\CHROM\GC11\2012\1203\11A12C27.seq

Noise Threshold	: 1	Area Threshold	: 1000
Bunch Factor	: 2	Multiplier	: 1.0000
Divisor	: 1.0000	Addend	: 0.0000

User1	: ALGL:C3
User2	:
User3	: GC11
User4	:
User5	:
User6	:
User7	:
User8	:
User9	:
User10	:

Total number of peaks detected : 5
Instrument Conditions
Capillary GC -
Instrument : GCL
Column : STABILWAX-D
Carrier Gas : H2
Injection Temp.: 260 C
Detector 1 : FID 265 C
Temp. Program : 40 C - 210 C at 12.5 C/min. IH= 2 min FH= 0 min.
210-245 at 20 C/min. FH = 6 min. Run time = 23.35 min.
Range: Det A = 1

**** 8015 Report ****

Peak #	Time [min]	Component Name	Raw Result (ug/mL)	Area [uV*sec]	Height [uV]	Sample Conc. (mg/L)	BL	ICV/CCV rec. (%)	Cal. Range
1	0.863	2-Propanol *|67-63-0	249.4021	548469.60	346934.77	249.4021	BB	499	
2	2.093	Isobutanol *|78-83-1	249.6084	821520.80	186558.22	249.6084	BB	499	
3	3.612		0.0133	13315.20	1010.21	0.0133	BB	---	
-	5.372	Propargyl Alcohol *|107-19-7	0.0000	0.00	0.00	0.0000		---	
4	7.675	Propylene Glycol *|Q764	998.9514	1632571.20	548914.38	998.9514	BB	499	
5	9.726		0.0036	3561.60	1140.69	0.0036	BB	---	
-	21.000	UPRT	0.0000	0.00	0.00	0.0000		---	
			1497.9788	3019438.40	1.08e+06	1497.9788			

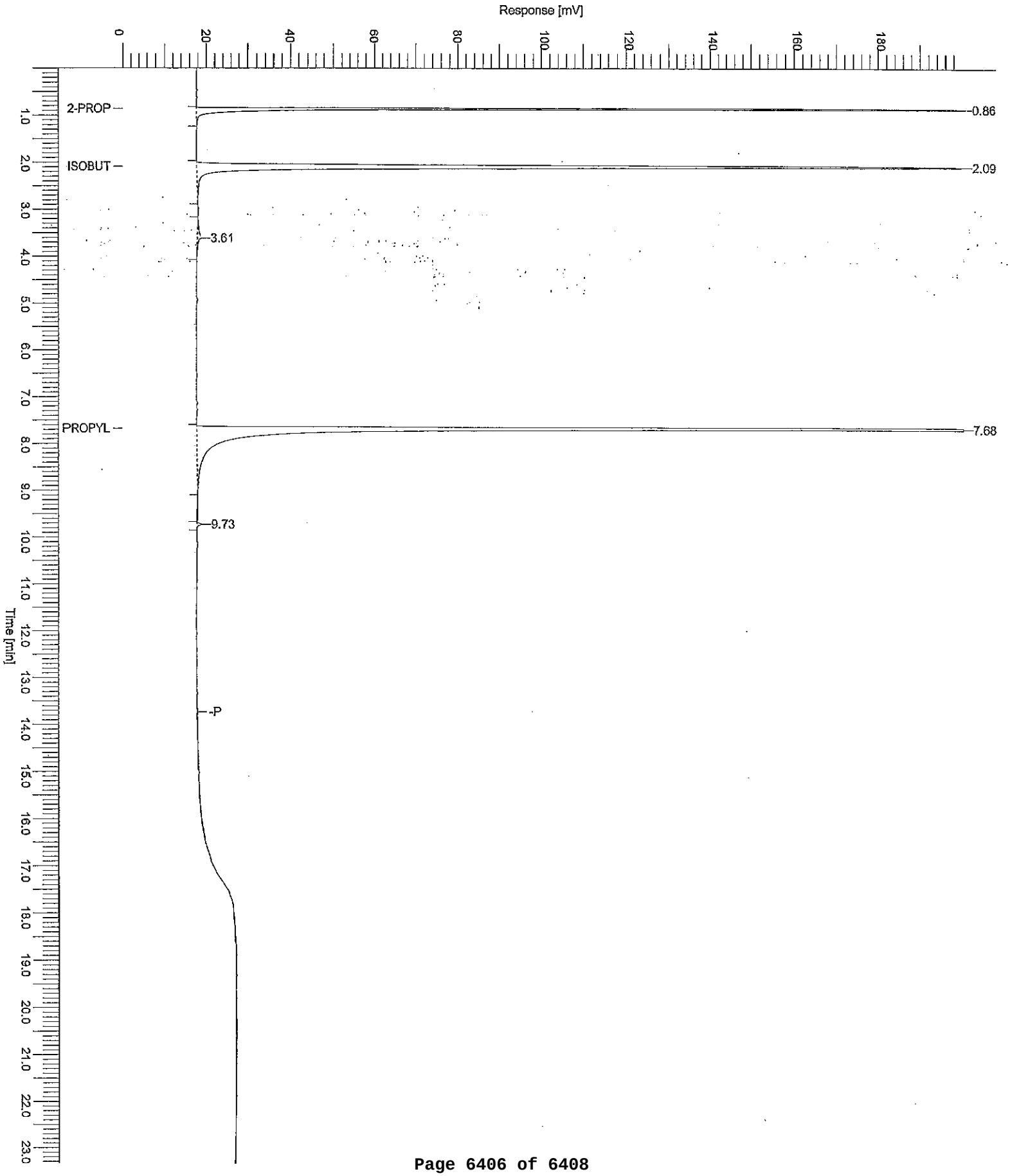
ANALYST'S INITIALS: _____
NOTE: The "Raw Result (ug/mL)" column refers to extract concentrations and excludes the contribution of the dilution factor, final extract volume, & sample amount. The "Sample Concentration (mg/L)" refers to the final calculated concentration that includes the contribution of the above factors.

Report stored in ASCII file: \\aussvr05\tcdata\CHROM\GC11\2012\1203\0327\K-A0016.TX0

BB 4/2/12

Chromatogram

Sample Name : MIX B CAL 5 Sample #: 003 Page 1 of 1
FileName : \\aussvr05\tcdata\CHROM\GC11\2012\1203\0327\K-A0016.raw
Date : 3/29/2012 11:08:11 AM
Method : gcl-glycol-alc-aq Time of Injection: 3/27/2012 11:50:05 PM
Start Time : 0.00 min End Time : 23.35 min Low Point : 0.00 mV High Point : 200.00 mV
Plot Offset: 0.00 mV Plot Scale: 200.0 mV



Software Version	: 6.2.1.0.104:0104	Date	: 3/29/2012 11:52:27 AM
Reprocess Number	: [Not Known]		
Operator	: SML	Sample Name	: MIX B SSV
Sample Number	: 003	Study	: AV01004
AutoSampler	: NONE	Rack/Vial	: 0/0
Instrument Name	: GC11	Channel	: A
Interface Serial #	: 1127573585	A/D mV Range	: 2000
Delay Time	: 0.00 min	End Time	: 23.35 min
Sampling Rate	: 2.5000 pts/s		
Sample Volume	: 1.000000 ml	Area Reject	: 0.000000
Sample Amount	: 1.0000	Dilution Factor	: 1.00
Data Acquisition Time	: 3/28/2012 12:19:25 AM	Cycle	: 1

Raw Data File : \\aussvr05\tcdata\CHROM\GC11\2012\1203\0327\K-A0017.raw <Modified>
Result File : \\aussvr05\tcdata\CHROM\GC11\2012\1203\0327\K-A0017.rst
Inst Method : \\aussvr05\tcdata\chrom\gc11\methods\gcl-glycol-alc-aq from \\aussvr05\tcdata\CHROM\GC11\2012\1203\0327\K-A0017.raw
Proc Method : \\aussvr05\tcdata\chrom\gc11\2012\1203\gcl-glycol-alc-032712 mix b.mth from
\\aussvr05\tcdata\CHROM\GC11\2012\1203\0327\K-A0017.rst
Calib Method : \\aussvr05\tcdata\chrom\gc11\2012\1203\gcl-glycol-alc-032712 mix b.mth from
\\aussvr05\tcdata\CHROM\GC11\2012\1203\0327\K-A0017.rst
Report Format File: \\aussvr05\tcdata\chrom\gc11\reports\8015-high-ccv-rec-rev.rpt
Sequence File : \\aussvr05\tcdata\CHROM\GC11\2012\1203\11A12C27.seq

Noise Threshold	: 1	Area Threshold	: 1000
Bunch Factor	: 2	Multiplier	: 1.0000
Divisor	: 1.0000	Addend	: 0.0000

User1	: ALGL:C3
User2	:
User3	: GC11
User4	:
User5	:
User6	:
User7	:
User8	:
User9	:
User10	:

Total number of peaks detected : 5
Instrument Conditions
Capillary GC -
Instrument : GCL
Column : STABILWAX-D
Carrier Gas : H2
Injection Temp.: 260 C
Detector 1 : FID 265 C
Temp. Program : 40 C - 210 C at 12.5 C/min. IH= 2 min FH= 0 min.
210-245 at 20 C/min. FH = 6 min. Run time = 23.35 min.
Range: Det A = 1

**** 8015 Report ****

Peak #	Time [min]	Component Name	Raw Result (ug/mL)	Area [uV*sec]	Height [uV]	Sample Conc. (mg/L)	BL	ICV/CCV rec. (%)	Cal. Range
1	0.865	2-Propanol *|67-63-0	100.3820	223004.00	124286.20	100.3820	BB	100	
2	2.090	Isobutanol *|78-83-1	99.8186	331253.20	71683.65	99.8186	BB	100	
3	3.614		0.0134	13419.20	998.66	0.0134	BB	---	
-	5.372	Propargyl Alcohol *|107-19-7	0.0000	0.00	0.00	0.0000		---	
4	7.675	Propylene Glycol *|Q764	409.3198	669014.00	164446.35	409.3198	BB	102	
5	9.725		0.0017	1716.80	495.95	0.0017	BB	---	
-	21.000	UPRT	0.0000	0.00	0.00	0.0000		---	
			609.5356	1238407.20	361910.80	609.5356		303	

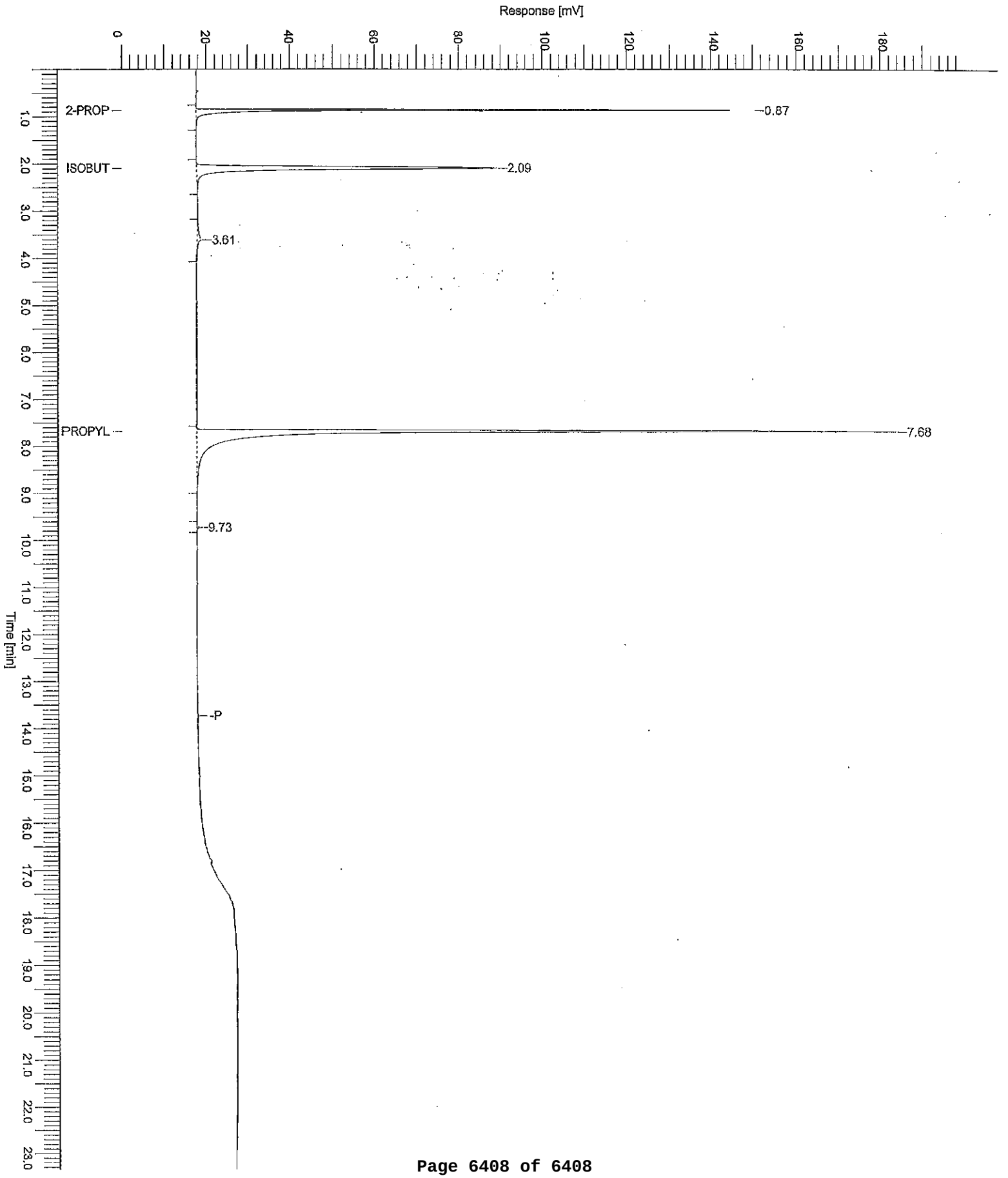
+20%

ANALYST'S INITIALS: _____

NOTE: The "Raw Result (ug/mL)" column refers to extract concentrations and excludes the contribution of the dilution factor, final extract volume, & sample amount. The "Sample Concentration (mg/L)" refers to the final calculated concentration that includes the contribution of the above factors.

Report stored in ASCII file: \\aussvr05\tcdata\CHROM\GC11\2012\1203\0327\K-A0017.TX0

BW 4/2/12

Chromatogram

Sample Name : MIX B SSV Sample #: 003 Page 1 of 1
FileName : \\aussvr05\tcdata\CHROM\GC11\2012\1203\0327\K-A0017.raw
Date : 3/29/2012 11:52:28 AM
Method : gcl-glycol-alc-aq Time of Injection: 3/28/2012 12:19:25 AM
Start Time : 0.00 min End Time : 23.35 min Low Point : 0.00 mV High Point : 200.00 mV
Plot Offset: 0.00 mV Plot Scale: 200.0 mV