

Mass Tracking Sheet - Bulk

Project:	22013-001	Technician:	M. Orrell		
Sample ID:	Soil Samples	Notes:			

	As-Received Bulk	Dried Bulk Matl		MLA Charge	Bulk Analytical Assay Charge	Sieve Charge
	g	g	Moisture Content	g	g	g
CR-L-0-SL-01	1462.31	1400.46	4.2%	380.16	703.33	313.76
CR-M-0-SL-01	1392.81	1302.25	6.5%	333.71	649.85	317.55
CR-H-0-SL-01	1765.20	1682.47	4.7%	448.77	796.62	434.58
QV-L-0-SL-01	1415.53	1353.07	4.4%	321.64	659.77	369.19
QV-M-0-SL-01	1545.98	1474.27	4.6%	367.59	721.82	382.11
QV-H-0-SL-01	1603.28	1536.10	4.2%	380.54	768.26	384.81
CTS-L-0-SL-01	1273.41	1222.62	4.0%	311.80	590.31	315.70
CTS-M-0-SL-01	1402.67	1319.05	6.0%	331.80	645.78	337.14
CTS-H-0-SL-01	1577.36	1542.62	2.2%	362.39	773.47	400.27
CTS-H-0 +1/4"	1384.78	1377.05	0.6%		1016.11	353.03
CTS-M-0 +1/4"	1519.86	1496.60	1.5%		1088.29	400.96
CTS-L-0 +1/4"	1370.14	1347.91	1.6%		1014.94	327.21
CR-H-0 (Kenyon)	714.05	708.19	0.8%		708.19	
			#DIV/0!			

Mass Tracking Sheet - Bulk

Project:	22013-001	Technician:	M. Orrell
Sample ID:	Soil Samples	Notes:	Dried 09/06/22 AM

By Drying Container		Tare Mass g	Wet Mass g	Dry Mass w/ pan g	Dry Mass g
CR-L-0-SL-01	1 of 4	8.98	355.90	351.08	342.10
CR-L-0-SL-01	2 of 4	8.40	395.47	387.61	379.21
CR-L-0-SL-01	3 of 4	8.67	390.45	382.21	373.54
CR-L-0-SL-01	4 of 4	7.94	320.49	313.55	305.61
CR-M-0-SL-01	1 of 4	8.74	392.22	374.38	365.64
CR-M-0-SL-01	2 of 4	8.94	344.82	331.46	322.52
CR-M-0-SL-01	3 of 4	8.65	375.68	360.38	351.73
CR-M-0-SL-01	4 of 4	8.67	280.09	271.03	262.36
CR-H-0-SL-01	1 of 4	8.55	460.64	448.05	439.50
CR-H-0-SL-01	2 of 4	8.64	449.67	437.41	428.77
CR-H-0-SL-01	3 of 4	8.36	409.07	398.05	389.69
CR-H-0-SL-01	4 of 4	8.47	445.82	432.98	424.51
QV-L-0-SL-01	1 of 3	8.87	463.66	451.62	442.75
QV-L-0-SL-01	2 of 3	8.59	450.24	438.5	429.91
QV-L-0-SL-01	3 of 3	8.37	501.63	488.78	480.41
QV-M-0-SL-01	1 of 4	8.58	404.37	393.12	384.54
QV-M-0-SL-01	2 of 4	8.88	389.44	380.09	371.21
QV-M-0-SL-01	3 of 4	7.90	459.28	446.58	438.68
QV-M-0-SL-01	4 of 4	8.43	292.89	288.27	279.84
QV-H-0-SL-01	1 of 4	8.45	500.85	486.61	478.16
QV-H-0-SL-01	2 of 4	8.60	486.64	474.78	466.18
QV-H-0-SL-01	3 of 4	8.62	458.94	450.2	441.58
QV-H-0-SL-01	4 of 4	7.88	156.85	158.06	150.18
CTS-L-0-SL-01	1 of 3	8.98	401.04	394.45	385.47
CTS-L-0-SL-01	2 of 3	8.49	414.92	406.67	398.18
CTS-L-0-SL-01	3 of 3	8.70	457.45	447.67	438.97
CTS-M-0-SL-01	1 of 4	8.61	380.13	366.33	357.72
CTS-M-0-SL-01	2 of 4	8.91	374.22	361.68	352.77
CTS-M-0-SL-01	3 of 4	8.17	380.40	365.39	357.22
CTS-M-0-SL-01	4 of 4	8.67	267.92	260.01	251.34
CTS-H-0-SL-01	1 of 4	8.60	510.56	508.16	499.56
CTS-H-0-SL-01	2 of 4	8.44	449.78	448.66	440.22
CTS-H-0-SL-01	3 of 4	8.04	430.41	429.06	421.02
CTS-H-0-SL-01	4 of 4	8.27	186.61	190.09	181.82
CTS-H-0 +1/4"	1 of 3	8.60	569.85	575.21	566.61
CTS-H-0 +1/4"	2 of 3	8.48	562.16	567.55	559.07
CTS-H-0 +1/4"	3 of 3	8.45	252.77	259.82	251.37
CTS-M-0 +1/4"	1 of 3	8.42	591.89	591.3	582.88
CTS-M-0 +1/4"	2 of 3	8.41	610.90	610.48	602.07
CTS-M-0 +1/4"	3 of 3	8.11	317.07	319.76	311.65
CTS-L-0 +1/4"	1 of 3	8.63	580.42	580.1	571.47
CTS-L-0 +1/4"	2 of 3	8.46	583.41	582.81	574.35
CTS-L-0 +1/4"	3 of 3	9.56	206.31	211.65	202.09
CR-H-0 (Kenyon)	1 of 1	9.48	714.05	717.67	708.19

Overall Samples	Tare Mass g	Wet Mass g	Dry Mass g
CR-L-0-SL-01	33.99	1462.31	1400.46
CR-M-0-SL-01	35.00	1392.81	1302.25
CR-H-0-SL-01	34.02	1765.20	1682.47
QV-L-0-SL-01	25.83	1415.53	1353.07
QV-M-0-SL-01	33.79	1545.98	1474.27
QV-H-0-SL-01	33.55	1603.28	1536.1
CTS-L-0-SL-01	26.17	1273.41	1222.62
CTS-M-0-SL-01	34.36	1402.67	1319.05
CTS-H-0-SL-01	33.35	1577.36	1542.62
CTS-H-0 +1/4"	25.53	1384.78	1377.05
CTS-M-0 +1/4"	24.94	1519.86	1496.6
CTS-L-0 +1/4"	26.65	1370.14	1347.91
CR-H-0 (Kenyon)	9.48	714.05	708.19

Mass Tracking Sheet - Bulk

Project:	22013-001	Technician:	M. Orrell
Sample ID:	Soil Samples	Notes:	

	+#25	+#50	+#100	+#140	+#200	+#270	-#270
	g	g	g	g	g	g	g
CR-L-4-SY	21.10	93.89	292.99	216.01	147.75	58.97	111.20
CR-L-8-SY	16.42	96.23	316.33	235.75	155.51	62.53	112.07
CR-L-30-SY	14.83	86.23	299.05	230.55	158.34	65.63	137.04
CR-H-4-SY	338.14	688.11	394.93	74.24	46.31	24.31	97.92
CR-H-8-SY	380.46	659.10	370.26	71.97	43.96	24.09	105.42
CR-H-30-SY	148.99	505.49	368.61	80.10	50.68	28.94	167.47
CR-M-4-SY	82.48	369.57	353.13	113.78	70.67	31.43	109.17
CR-M-8-SY	165.22	463.53	410.51	125.67	76.71	35.58	131.25
CR-M-30-SY	100.44	371.53	373.26	120.34	79.47	35.66	171.24
CTS-H-4-SY	8.27	47.23	143.05	128.34	215.36	86.23	608.11
CTS-H-8-SY	9.27	55.57	146.01	135.52	235.34	103.73	665.80
CTS-H-30-SY	5.31	51.36	132.14	124.22	142.59	151.28	704.39
CTS-L-4-SY	30.01	91.34	168.80	128.76	167.28	144.76	596.34
CTS-L-8-SY	8.31	53.51	130.35	115.55	191.75	100.48	606.09
CTS-L-30-SY	5.07	33.09	98.71	96.89	179.05	95.70	674.92
CTS-M-4-SY	12.65	69.90	152.68	125.77	165.18	95.28	548.47
CTS-M-8-SY	12.05	58.21	148.67	117.18	160.10	96.28	574.77
CTS-M-30-SY	8.02	53.12	142.96	108.97	170.72	83.04	598.07
QV-H-4-SY	405.65	898.07	591.43	121.57	58.00	26.60	84.22
QV-H-8-SY	339.73	867.23	605.60	128.16	60.22	28.83	96.03
QV-H-30-SY	247.12	661.94	527.33	130.85	65.24	30.95	144.96
QV-L-4-SY	91.56	344.46	361.90	105.43	49.60	22.63	117.17
QV-L-8-SY	150.49	477.05	479.74	132.76	61.84	30.10	141.64
QV-L-30-SY	120.26	421.12	470.74	136.49	67.02	31.15	181.25
QV-M-4-SY	325.43	598.34	425.92	93.37	44.34	23.55	66.40
QV-M-8-SY	259.71	629.30	462.53	100.91	49.39	24.85	78.60
QV-M-30-SY	167.69	522.93	426.85	105.43	54.70	28.62	124.50

HPSA PSD Weight Compilation

	1 of		2 of		3 of		4 of		5 of		6 of		7 of		Total
	Pan	Sample+Pan	Pan	Sample+Pan	Pan	Sample+Pan	Pan	Sample+Pan	Pan	Sample+Pan	Pan	Sample+Pan	Pan	Sample+Pan	
CR-H-30-SY	+#25	9.46	34.53	9.58	44.12	9.17	45.84	9.39	62.10						148.99
CR-H-30-SY	+#50	9.75	115.41	9.23	150.58	9.49	120.88	9.81	156.90						505.49
CR-H-30-SY	+#100	9.54	101.11	9.49	113.86	9.25	88.60	9.11	102.43						368.61
CR-H-30-SY	+#140	9.38	29.43	9.66	33.58	9.40	24.69	9.38	30.22						80.10
CR-H-30-SY	+#200	9.42	22.74	9.75	22.98	9.61	20.84	9.39	22.29						50.68
CR-H-30-SY	+#270	9.12	16.55	9.71	17.28	9.60	16.04	9.71	17.21						28.94
CR-H-30-SY	-#270	2.12	88.36	2.15	40.35	2.03	21.20	2.17	26.03						167.47
CR-H-4-SY	+#25	9.65	87.46	9.51	65.40	9.55	96.59	9.61	66.59	9.65	70.07				338.14
CR-H-4-SY	+#50	9.60	146.66	9.48	132.54	9.36	211.30	9.92	110.33	9.44	135.08				688.11
CR-H-4-SY	+#100	9.48	97.07	9.60	70.13	9.65	110.38	9.34	87.17	9.66	77.91				394.93
CR-H-4-SY	+#140	9.42	25.84	9.38	20.78	9.24	28.10	9.42	25.08	9.92	21.82				74.24
CR-H-4-SY	+#200	9.55	21.12	9.53	17.77	9.26	21.01	9.50	17.78	9.73	16.20				46.31
CR-H-4-SY	+#270	9.88	16.05	9.75	14.62	9.84	15.96	9.30	13.51	9.46	12.40				24.31
CR-H-4-SY	-#270	2.05	31.63	2.17	21.61	2.10	28.84	2.17	15.72	2.14	10.75				97.92
CR-H-8-SY	+#25	9.51	76.08	9.29	107.62	9.40	88.53	9.50	70.17	9.38	85.14				380.46
CR-H-8-SY	+#50	9.24	136.05	9.72	202.26	9.59	142.12	9.27	103.36	9.43	122.56				659.10
CR-H-8-SY	+#100	9.78	84.88	9.58	111.90	9.16	81.58	9.35	64.89	9.92	74.80				370.26
CR-H-8-SY	+#140	9.69	25.02	9.44	27.51	9.52	23.63	9.51	20.68	9.67	22.96				71.97
CR-H-8-SY	+#200	9.13	18.75	9.86	19.81	9.64	18.78	9.27	16.90	9.55	17.17				43.96
CR-H-8-SY	+#270	9.50	14.80	9.37	14.76	9.33	14.22	9.30	13.36	9.98	14.43				24.09
CR-H-8-SY	-#270	2.14	46.73	2.18	21.10	2.12	17.33	2.09	16.78	2.15	14.16				105.42
CR-L-30-SY	+#25	9.69	15.08	9.96	14.41	9.42	14.41								14.83
CR-L-30-SY	+#50	9.43	37.88	10.08	37.65	9.32	39.53								86.23
CR-L-30-SY	+#100	9.65	112.02	9.35	104.51	9.57	111.09								299.05
CR-L-30-SY	+#140	10.40	95.80	9.50	78.57	9.39	85.47								230.55
CR-L-30-SY	+#200	9.79	72.50	9.46	55.31	9.65	59.43								158.34
CR-L-30-SY	+#270	9.81	37.48	9.72	28.46	9.78	29.00								65.63
CR-L-30-SY	-#270	2.11	76.82	2.08	32.96	2.13	33.58								137.04
CR-L-4-SY	+#25	9.28	14.68	9.78	20.51	9.88	14.85								21.10
CR-L-4-SY	+#50	9.90	39.29	9.37	53.71	9.34	29.50								93.89
CR-L-4-SY	+#100	9.29	113.50	9.70	123.10	9.41	84.79								292.99
CR-L-4-SY	+#140	9.55	87.46	9.67	81.45	10.01	76.33								216.01
CR-L-4-SY	+#200	9.47	61.21	9.57	52.76	9.88	62.70								147.75
CR-L-4-SY	+#270	9.80	29.73	9.72	23.42	9.48	34.82								58.97
CR-L-4-SY	-#270	2.13	31.98	2.14	18.67	2.07	66.89								111.20
CR-L-8-SY	+#25	9.55	16.58	9.53	14.24	9.31	13.99								16.42
CR-L-8-SY	+#50	9.82	45.67	9.77	42.09	9.62	37.68								96.23
CR-L-8-SY	+#100	9.95	125.31	9.16	119.99	9.67	99.81								316.33
CR-L-8-SY	+#140	9.84	95.52	9.51	92.85	9.47	76.20								235.75
CR-L-8-SY	+#200	10.02	64.25	9.47	66.22	9.53	54.06								155.51
CR-L-8-SY	+#270	9.81	32.25	9.63	32.06	9.69	27.35								62.53
CR-L-8-SY	-#270	2.14	44.09	2.05	44.84	2.13	29.46								112.07
CR-M-30-SY	+#25	9.27	30.96	9.48	42.90	9.60	39.82	9.53	24.64						100.44
CR-M-30-SY	+#50	9.70	95.34	9.20	129.41	9.19	101.41	9.73	83.19						371.53
CR-M-30-SY	+#100	9.79	99.18	9.52	123.86	9.23	94.76	9.74	93.74						373.26
CR-M-30-SY	+#140	9.55	36.74	9.49	48.18	9.31	35.77	10.06	38.06						120.34
CR-M-30-SY	+#200	9.15	27.19	9.57	34.52	9.66	27.58	9.82	28.38						79.47
CR-M-30-SY	+#270	9.51	18.30	9.74	20.92	9.24	16.67	9.35	17.61						35.66
CR-M-30-SY	-#270	2.07	90.19	2.12	35.18	2.14	20.66	2.06	33.60						171.24
CR-M-4-SY	+#25	9.74	39.43	9.74	36.96	9.77	35.34								82.48
CR-M-4-SY	+#50	9.84	133.41	9.31	131.03	9.54	133.82								369.57
CR-M-4-SY	+#100	9.86	118.98	9.50	127.78	9.58	135.31								353.13
CR-M-4-SY	+#140	9.73	45.45	9.54	45.67	9.57	51.50								113.78
CR-M-4-SY	+#200	9.51	32.70	9.64	32.28	9.60	34.44								70.67
CR-M-4-SY	+#270	9.82	20.29	9.72	20.03	9.58	20.23								31.43
CR-M-4-SY	-#270	2.02	44.64	2.17	35.48	2.11	35.35								109.17
CR-M-8-SY	+#25	9.80	42.21	9.32	70.71	9.35	54.07	9.77	36.47						165.22
CR-M-8-SY	+#50	9.69	114.25	9.68	123.53	9.67	151.16	9.33	112.96						463.53
CR-M-8-SY	+#100	9.89	136.16	9.69	79.88	9.53	113.37	9.57	119.78						410.51
CR-M-8-SY	+#140	9.79	52.50	9.78	28.34	9.55	34.91	9.36	48.40						125.67
CR-M-8-SY	+#200	9.51	31.29	9.83	23.65	9.71	25.22	9.78	35.38						76.71
CR-M-8-SY	+#270	9.82	19.56	9.81	16.87	9.58	17.25	9.41	20.52						35.58
CR-M-8-SY	-#270	2.08	40.26	2.11	26.97	2.09	28.01	2.06	44.35						131.25
CTS-H-30-SY	+#25	9.47	9.67	8.79	9.85	8.54	11.41	9.46	10.64						5.31
CTS-H-30-SY	+#50	9.20	9.46	8.99	13.88	9.18	43.35	8.94	20.98						51.36
CTS-H-30-SY	+#100	9.06	9.39	9.33	23.43	8.68	79.28	8.85	55.96						132.14
CTS-H-30-SY	+#140	8.58	8.87	9.03	27.85	9.70	64.56	8.74	58.99						124.22
CTS-H-30-SY	+#200	9.26	9.83	9.71	53.91	8.95	80.65	8.57	34.69						142.59
CTS-H-30-SY	+#270	8.68	10.36	9.28	57.60	9.68	36.77	8.63	82.82						151.28
CTS-H-30-SY	-#270	2.16	374.91	2.12	250.39	2.08	43.13	2.12	44.44						704.39

QV-H-4-SY	##200	9.39	19.94	9.59	17.13	8.87	22.14	8.23	16.89	8.96	16.81	9.04	19.17		58.00
QV-H-4-SY	##270	9.05	14.18	9.04	12.64	9.51	15.71	8.49	12.26	9.16	12.80	8.65	12.91		26.60
QV-H-4-SY	-#270	2.10	33.98	2.17	9.31	2.16	18.62	2.10	10.88	2.08	11.04	2.12	13.12		84.22
QV-H-8-SY	##25	9.45	58.85	9.24	69.44	9.61	99.85	9.09	67.20	9.02	42.98	9.23	57.05		339.73
QV-H-8-SY	##50	9.69	153.48	9.14	149.19	9.37	204.45	9.05	139.77	9.31	104.86	8.81	170.85		867.23
QV-H-8-SY	##100	9.35	120.37	9.14	99.35	8.62	128.43	8.95	100.99	9.05	75.55	9.22	135.24		605.60
QV-H-8-SY	##140	9.97	33.57	9.23	27.53	8.89	34.02	9.07	27.47	9.36	25.88	9.00	35.21		128.16
QV-H-8-SY	##200	9.67	19.25	9.43	18.00	9.19	21.27	8.98	17.80	9.33	17.43	9.06	22.13		60.22
QV-H-8-SY	##270	9.54	14.30	9.27	13.18	9.25	15.08	9.37	14.62	9.09	12.61	9.35	14.91		28.83
QV-H-8-SY	-#270	2.09	44.18	2.14	12.07	2.10	14.01	2.16	14.74	2.08	9.66	2.12	14.06		96.03
QV-L-30-SY	##25	8.00	30.07	8.71	55.24	8.94	32.12	8.84	37.32						120.26
QV-L-30-SY	##50	8.47	108.90	8.39	121.15	9.58	132.06	8.91	94.36						421.12
QV-L-30-SY	##100	8.41	113.86	8.79	131.14	8.45	144.29	8.86	115.96						470.74
QV-L-30-SY	##140	8.38	37.09	8.42	47.45	8.58	44.78	8.95	41.50						136.49
QV-L-30-SY	##200	9.34	23.25	8.62	27.50	9.17	26.99	8.97	25.38						67.02
QV-L-30-SY	##270	9.69	16.26	8.76	17.36	8.42	16.87	9.21	16.74						31.15
QV-L-30-SY	-#270	2.16	108.72	2.10	28.69	2.14	24.67	2.06	27.63						181.25
QV-L-4-SY	##25	8.92	33.65	9.28	58.07	9.74	27.78								91.56
QV-L-4-SY	##50	8.58	115.29	9.77	161.98	9.51	95.05								344.46
QV-L-4-SY	##100	9.00	122.68	9.21	154.15	9.17	112.45								361.90
QV-L-4-SY	##140	9.25	43.23	9.38	49.79	9.65	40.69								105.43
QV-L-4-SY	##200	8.50	26.03	9.36	28.72	9.70	22.41								49.60
QV-L-4-SY	##270	8.73	17.46	9.67	19.31	9.59	13.85								22.63
QV-L-4-SY	-#270	2.14	38.48	2.08	25.11	2.15	59.95								117.17
QV-L-8-SY	##25	8.36	48.47	8.94	41.81	8.89	46.01	9.19	49.58						150.49
QV-L-8-SY	##50	9.13	115.14	8.92	108.90	8.57	143.65	8.83	144.81						477.05
QV-L-8-SY	##100	8.78	125.48	8.28	115.66	8.79	135.65	8.86	137.66						479.74
QV-L-8-SY	##140	8.63	41.94	8.62	37.78	9.18	43.89	8.78	44.36						132.76
QV-L-8-SY	##200	9.16	23.03	8.50	22.76	8.80	25.69	9.08	25.90						61.84
QV-L-8-SY	##270	8.41	16.18	8.85	16.22	9.15	16.48	9.11	16.74						30.10
QV-L-8-SY	-#270	2.08	74.40	2.09	30.92	2.13	20.06	2.06	24.62						141.64
QV-M-30-SY	##25	8.62	26.18	8.14	62.08	8.87	53.80	8.72	59.98						167.69
QV-M-30-SY	##50	8.68	87.57	8.08	149.19	9.44	145.56	8.63	175.44						522.93
QV-M-30-SY	##100	8.70	88.60	8.98	117.79	9.58	111.04	8.91	145.59						426.85
QV-M-30-SY	##140	8.86	31.70	9.14	35.53	9.17	35.25	8.58	38.70						105.43
QV-M-30-SY	##200	8.84	21.46	9.15	23.06	9.60	23.40	8.66	23.03						54.70
QV-M-30-SY	##270	8.78	16.19	9.11	17.11	9.81	16.07	8.73	15.68						28.62
QV-M-30-SY	-#270	2.12	62.21	2.08	26.11	2.16	22.81	2.19	21.92						124.50
QV-M-4-SY	##25	8.91	113.04	8.84	67.85	8.47	90.24	8.68	89.20						325.43
QV-M-4-SY	##50	8.81	163.01	9.28	152.04	8.79	161.49	8.78	157.46						598.34
QV-M-4-SY	##100	8.56	120.19	8.87	124.83	9.08	110.22	8.83	106.02						425.92
QV-M-4-SY	##140	8.79	32.85	8.87	36.61	8.71	31.39	8.82	27.71						93.37
QV-M-4-SY	##200	8.60	20.35	8.74	22.18	8.63	19.12	8.77	17.43						44.34
QV-M-4-SY	##270	8.81	15.27	8.92	16.65	9.20	14.53	8.95	12.98						23.55
QV-M-4-SY	-#270	2.18	28.41	2.12	22.78	2.18	13.36	2.16	10.49						66.40
QV-M-8-SY	##25	8.68	72.37	8.85	84.01	7.91	58.44	8.99	79.32						259.71
QV-M-8-SY	##50	8.50	194.42	9.06	228.41	8.32	107.40	8.97	133.92						629.30
QV-M-8-SY	##100	9.20	150.99	9.30	162.79	8.12	80.74	8.65	103.28						462.53
QV-M-8-SY	##140	8.68	40.07	9.00	41.45	8.17	24.15	8.51	29.60						100.91
QV-M-8-SY	##200	8.73	23.74	8.48	24.28	8.87	17.20	8.54	18.79						49.39
QV-M-8-SY	##270	8.75	16.42	7.88	15.40	8.77	13.03	9.12	14.52						24.85
QV-M-8-SY	-#270	2.07	40.67	2.15	20.92	2.10	10.71	2.11	14.73						78.60

Sample Tracking for Duplicates and MS/MSD

Total Sample Count	Sample ID	Analysis			Sample Mass [g]
		Metals	Ra 226	TCLP	
	1 CR-L-0-SL-01	x	x		703.33
	2 CR-M-0-SL-01	x	x		649.85
	3 CR-H-0-SL-01	x	x		796.62
	4 QV-L-0-SL-01	x	x		659.77
	5 QV-M-0-SL-01	x	x		721.82
	6 QV-H-0-SL-01	x	x		768.26
	7 CTS-L-0-SL-01	x	x		590.31
	8 CTS-M-0-SL-01	x	x		645.78
	9 CTS-H-0-SL-01	x	x		773.47
	10 CR-L-0-SL-01 +25	x	x		7.30
	11 CR-L-0-SL-01 +50	x	x		21.82
	12 CR-L-0-SL-01 +100	x	x		78.60
	13 CR-L-0-SL-01 +140	x	x		60.52
	14 CR-L-0-SL-01 +200	x	x		48.25
	15 CR-L-0-SL-01 +270	x	x		19.00
	16 CR-L-0-SL-01 -270	x	x		76.85
	17 CR-L-4-SY +25	x	x		5.28
	18 CR-L-4-SY +50	x	x		23.47
	19 CR-L-4-SY +100-01	x	x		36.62
	20 CR-L-4-SY +100-02	x	x		36.62
-	CTS-L-0-+1/4-inch	x	x		1026.92
	1 CR-L-4-SY +140	x	x		54.00
	2 CR-L-4-SY +200	x	x		36.94
	3 CR-L-4-SY +270	x	x		14.74
	4 CR-L-8-SY +25	x	x		4.11
	5 CR-L-8-SY +50	x	x		24.06
	6 CR-L-8-SY +100	x	x		79.08
	7 CR-L-8-SY +140	x	x		58.94
	8 CR-L-8-SY +200	x	x		38.88
	9 CR-L-8-SY +270	x	x		15.63
	10 CR-L-30-SY +25	x	x		3.71
	11 CR-L-30-SY +50	x	x		21.56
	12 CR-L-30-SY +100	x	x		74.76
	13 CR-L-30-SY +140	x	x		57.64
	14 CR-L-30-SY +200	x	x		39.59
	15 CR-L-30-SY +270	x	x		16.41
	10 CR-L-4-SY Combined +25/+270			x	415.36
	11 CR-L-8-SY Combined +25/+270			x	441.39
	12 CR-L-30-SY Combined +25/+270			x	427.32
	16 CR-M-0-SL-01 +25	x	x		36.97
	17 CR-M-0-SL-01 +50	x	x		77.55
	18 CR-M-0-SL-01 +100-01	x	x		42.16
	19 CR-M-0-SL-01 +100-02	x	x		42.16
	20 CR-M-0-SL-01 +140	x	x		30.38
-	CTS-M-0-+1/4-inch	x	x		1139.04
	1 CR-M-0-SL-01 +200	x	x		20.85
	2 CR-M-0-SL-01 +270	x	x		9.44
	3 CR-M-0-SL-01 -270	x	x		56.16
	4 CR-M-4-SY +25	x	x		20.62
	5 CR-M-4-SY +50	x	x		92.39
	6 CR-M-4-SY +100	x	x		88.28
	7 CR-M-4-SY +140	x	x		28.45
	8 CR-M-4-SY +200	x	x		17.67
	9 CR-M-4-SY +270	x	x		7.86
	10 CR-M-8-SY +25	x	x		41.31
	11 CR-M-8-SY +50	x	x		123.38
	12 CR-M-8-SY +100	x	x		102.63
	13 CR-M-8-SY +140	x	x		31.42
	14 CR-M-8-SY +200	x	x		19.18
	15 CR-M-8-SY +270	x	x		8.90

13 CR-M-4-SY Combined +25/+270			x	510.53
14 CR-M-8-SY Combined +25/+270			x	653.61
16 CR-M-30-SY +25	x	x		25.11
17 CR-M-30-SY +50	x	x		92.88
18 CR-M-30-SY +100-01	x	x		46.66
19 CR-M-30-SY +100-02	x	x		46.66
20 CTS-H-0-+1/4 inch	x	x		1037.7
1 CR-M-30-SY +140	x	x		30.09
2 CR-M-30-SY +200	x	x		19.87
3 CR-M-30-SY +270	x	x		8.92
4 CR-H-0-SL-01 +25	x	x		83.60
5 CR-H-0-SL-01 +50	x	x		139.19
6 CR-H-0-SL-01 +100	x	x		92.25
7 CR-H-0-SL-01 +140	x	x		21.13
8 CR-H-0-SL-01 +200	x	x		14.87
9 CR-H-0-SL-01 +270	x	x		9.19
10 CR-H-0-SL-01 -270	x	x		71.97
11 CR-H-4-SY +25	x	x		84.54
12 CR-H-4-SY +50	x	x		172.03
13 CR-H-4-SY +100	x	x		98.73
14 CR-H-4-SY +140	x	x		18.56
15 CR-H-4-SY +200	x	x		11.58
16 CR-H-4-SY +270	x	x		6.08 SHIPPED 10
17 CR-H-8-SY +25	x	x		92.57
18 CR-H-8-SY +50-01	x	x		82.39
19 CR-H-8-SY +50-02	x	x		82.39
20 CR-H-0-KY	x	x		713.58
1 CR-H-8-SY +100	x	x		95.05
2 CR-H-8-SY +140	x	x		17.99
3 CR-H-8-SY +200	x	x		10.99
4 CR-H-8-SY +270	x	x		6.02
15 CR-M-30-SY Combined +25/+270			x	540.35
5 CR-H-30-SY +25	x	x		37.25
6 CR-H-30-SY +50	x	x		126.37
7 CR-H-30-SY +100	x	x		92.15
8 CR-H-30-SY +140	x	x		20.03
9 CR-H-30-SY +200	x	x		12.67
10 CR-H-30-SY +270	x	x		7.24
16 CR-H-4-SY Combined +25/+270-01			x	391.51
17 CR-H-4-SY Combined +25/+270-02			x	391.51
18 CR-H-8-SY Combined +25/270			x	774.78
19 CR-H-30-SY Combined +25/+270			x	591.41
11 QV-L-0-SL-01 +25	x	x		52.3
12 QV-L-0-SL-01 +50	x	x		89.67
13 QV-L-0-SL-01 +100	x	x		102.86
14 QV-L-0-SL-01 +140	x	x		30.44
15 QV-L-0-SL-01 +200	x	x		15.33
16 QV-L-0-SL-01 +270	x	x		8.67
17 QV-L-0-SL-01 -270	x	x		68.72
18 QV-L-4-SY +25	x	x		22.89
19 QV-L-4-SY +50-01	x	x		43.06
20 QV-L-4-SY +50-02	x	x		43.06
1 QV-L-4-SY +100	x	x		90.48
2 QV-L-4-SY +140	x	x		26.36
3 QV-L-4-SY +200	x	x		12.40
4 QV-L-4-SY +270	x	x		5.66
5 QV-L-8-SY +25	x	x		37.62
6 QV-L-8-SY +50	x	x		119.26
7 QV-L-8-SY +100	x	x		119.94
8 QV-L-8-SY +140	x	x		33.19
9 QV-L-8-SY +200	x	x		15.46
10 QV-L-8-SY +270	x	x		7.53
11 QV-L-30-SY +25	x	x		30.07
12 QV-L-30-SY +50	x	x		105.28

13	QV-L-30-SY +100	x	x		117.69
14	QV-L-30-SY +140	x	x		34.12
15	QV-L-30-SY +200	x	x		16.76
16	QV-L-30-SY +270	x	x		7.79
17	QV-M-4-SY +25	x	x		81.36
18	QV-M-4-SY +50	x	x		149.59
19	QV-M-4-SY +100-01	x	x		53.24
20	QV-M-4-SY +100-02	x	x		53.24
1	QV-M-4-SY +140	x	x		23.34
2	QV-M-4-SY +200	x	x		11.09
3	QV-M-4-SY +270	x	x		5.89
4	QV-M-0-SL-01 +25	x	x		56.49
5	QV-M-0-SL-01 +50	x	x		114.89
6	QV-M-0-SL-01 +100	x	x		87.26
7	QV-M-0-SL-01 +140	x	x		25.76
8	QV-M-0-SL-01 +200	x	x		12.46
9	QV-M-0-SL-01 +270	x	x		8.06
10	QV-M-0-SL-01 -270	x	x		74.87
11	QV-M-8-SY +25	x	x		64.93
12	QV-M-8-SY +50	x	x		157.33
13	QV-M-8-SY +100	x	x		115.63
14	QV-M-8-SY +140	x	x		25.23
15	QV-M-8-SY +200	x	x		12.35
16	QV-M-8-SY +270	x	x		6.21
17	QV-M-30-SY +25	x	x		41.92
18	QV-M-30-SY +50	x	x		130.73
19	QV-M-30-SY +100-01	x	x		53.36
20	QV-M-30-SY +100-02	x	x		53.36
1	QV-M-30-SY +140	x	x		26.36
2	QV-M-30-SY +200	x	x		13.68
3	QV-M-30-SY +270	x	x		7.16
4	QV-H-4-SY +25	x	x		101.41
5	QV-H-4-SY +50	x	x		224.52
6	QV-H-4-SY +100	x	x		147.86
7	QV-H-4-SY +140	x	x		30.39
8	QV-H-4-SY +200	x	x		14.50
9	QV-H-4-SY +270	x	x		6.65
10	QV-H-0-SL-01 +25	x	x		57.53
11	QV-H-0-SL-01 +50	x	x		109.53
12	QV-H-0-SL-01 +100	x	x		98.59
13	QV-H-0-SL-01 +140	x	x		24.54
14	QV-H-0-SL-01 +200	x	x		12.01
15	QV-H-0-SL-01 +270	x	x		7.35
16	QV-H-0-SL-01 -270	x	x		72.37
17	QV-H-8-SY +25	x	x		84.93
18	QV-H-8-SY +50	x	x		216.81
19	QV-H-8-SY +100-01	x	x		75.70
20	QV-H-8-SY +100-02	x	x		75.70
1	QV-H-8-SY +140	x	x		32.04
2	QV-H-8-SY +200	x	x		15.06
3	QV-H-8-SY +270	x	x		7.21
4	QV-H-30-SY +25	x	x		61.78
5	QV-H-30-SY +50	x	x		165.49
6	QV-H-30-SY +100	x	x		131.83
7	QV-H-30-SY +140	x	x		32.71
8	QV-H-30-SY +200	x	x		16.31
9	QV-H-30-SY +270	x	x		7.74
20	QV-L-4-SY Combined +25/+270			x	487.79
1	QV-L-8-SY Combined +25/+270			x	665.99
2	QV-L-30-SY Combined +25/+270			x	623.39
3	QV-M-4-SY Combined +25/+270			x	755.48
4	QV-M-8-SY Combined +25/+270			x	763.35
5	QV-M-30-SY Combined +25/+270			x	653.11
6	QV-H-4-SY Combined +25/+270			x	1050.66

Above Ship

	7	CTS-L-4-SY Combined +25/270				x	
	8	CTS-L-8-SY Combined +25/270				x	
	9	CTS-L-30-SY Combined +25/270				x	
	10	CTS-M-4-SY Combined +25/270				x	
	11	CTS-M-8-SY Combined +25/270				x	
	12	CTS-M-30-SY Combined +25/270				x	
	13	CTS-H-4-SY Combined +25/270				x	
	14	CTS-H-8-SY Combined +25/270				x	
	15	CTS-H-30-SY Combined +25/270				x	
	16	QV-H-8-SY Combined +25/+270				x	1014.89
	17	QV-H-30-SY Combined +25/+270-01				x	415.86
TCLP Counter	18	QV-H-30-SY Combined +25/+270-02				x	415.86
1	10	CR-L-4-SY -270 Concentrate	x	x	x		
2	11	CR-L-8-SY -270 Concentrate	x	x	x		
3	12	CR-L-30-SY -270 Concentrate	x	x	x		
4	13	CR-M-4-SY -270 Concentrate	x	x	x		
5	14	CR-M-8-SY -270 Concentrate	x	x	x		
6	15	CR-M-30-SY -270 Concentrate	x	x	x		
7	16	CR-H-4-SY -270 Concentrate	x	x	x		
8	17	CR-H-8-SY -270 Concentrate	x	x	x		
9	18	CR-H-30-SY -270 Concentrate	x	x	x		
10	19	QV-L-30-SY -270 Concentrate-01	x	x	x		
11	20	QV-L-30-SY -270 Concentrate-02	x	x	x		
12	1	QV-L-4-SY -270 Concentrate	x	x	x		
13	2	QV-L-8-SY -270 Concentrate	x	x	x		
14	3	QV-M-4-SY -270 Concentrate	x	x	x		
15	4	QV-M-8-SY -270 Concentrate	x	x	x		
16	5	QV-M-30-SY -270 Concentrate	x	x	x		
17	6	QV-H-4-SY -270 Concentrate	x	x	x		
18	7	QV-H-8-SY -270 Concentrate	x	x	x		
19	8	QV-H-30-SY -270 Concentrate	x	x	x		
20	9	CTS-L-4-SY -270 Concentrate	x	x	x		
1	10	CTS-L-8-SY -270 Concentrate	x	x	x		
2	11	CTS-L-30-SY -270 Concentrate	x	x	x		
3	12	CTS-M-4-SY -270 Concentrate	x	x	x		
4	13	CTS-M-8-SY -270 Concentrate	x	x	x		
5	14	CTS-M-30-SY -270 Concentrate	x	x	x		
6	15	CTS-H-4-SY -270 Concentrate	x	x	x		
7	16	CTS-H-8-SY -270 Concentrate	x	x	x		
8	17	CTS-H-30-SY -270 Concentrate-01	x	x	x		
9	18	CTS-H-30-SY -270 Concentrate-02	x	x	x		
	19	CTS-L-4-SY +25	x	x			
	20	CTS-L-4-SY +50	x	x			
	1	CTS-L-4-SY +100	x	x			
	2	CTS-L-4-SY +140	x	x			
	3	CTS-L-4-SY +200	x	x			
	4	CTS-L-4-SY +270	x	x			
	5	CTS-L-8-SY +25	x	x			
	6	CTS-L-8-SY +50	x	x			
	7	CTS-L-8-SY +100	x	x			
	8	CTS-L-8-SY +140	x	x			
	9	CTS-L-8-SY +200	x	x			
	10	CTS-L-8-SY +270	x	x			
	11	CTS-L-30-SY +25	x	x			
	12	CTS-L-30-SY +50	x	x			
	13	CTS-L-30-SY +100-01	x	x			
	14	CTS-L-30-SY +100-02	x	x			
	15	CTS-L-30-SY +140	x	x			
	16	CTS-L-30-SY +200	x	x			
	17	CTS-L-30-SY +270	x	x			
	18	CTS-0-SL-01 +25	x	x			
	19	CTS-0-SL-01 +50	x	x			
	20	CTS-0-SL-01 +100	x	x			
	1	CTS-0-SL-01 +140	x	x			
	2	CTS-0-SL-01 +200	x	x			

3	CTS-0-SL-01 +270	x	x
4	CTS-0-SL-01 -270	x	x
5	CTS-M-4-SY +25	x	x
6	CTS-M-4-SY +50	x	x
7	CTS-M-4-SY +100	x	x
8	CTS-M-4-SY +140	x	x
9	CTS-M-4-SY +200	x	x
10	CTS-M-4-SY +270	x	x
11	CTS-M-8-SY +25	x	x
12	CTS-M-8-SY +50	x	x
13	CTS-M-8-SY +100-01	x	x
14	CTS-M-8-SY +100-02	x	x
15	CTS-M-8-SY +140	x	x
16	CTS-M-8-SY +200	x	x
17	CTS-M-8-SY +270	x	x
18	CTS-M-30-SY +25	x	x
19	CTS-M-30-SY +50	x	x
20	CTS-M-30-SY +100	x	x
1	CTS-M-30-SY +140	x	x
2	CTS-M-30-SY +200	x	x
3	CTS-M-30-SY +270	x	x
4	CTS-M-0-SL-01 +25	x	x
5	CTS-M-0-SL-01 +50	x	x
6	CTS-M-0-SL-01 +100	x	x
7	CTS-M-0-SL-01 +140	x	x
8	CTS-M-0-SL-01 +200	x	x
9	CTS-M-0-SL-01 +270	x	x
10	CTS-M-0-SL-01 -270	x	x
11	CTS-H-4-SY +25	x	x
12	CTS-H-4-SY +50	x	x
13	CTS-H-4-SY +100-01	x	x
14	CTS-H-4-SY +100-02	x	x
15	CTS-H-4-SY +140	x	x
16	CTS-H-4-SY +200	x	x
17	CTS-H-4-SY +270	x	x
18	CTS-H-8-SY +25	x	x
19	CTS-H-8-SY +50	x	x
20	CTS-H-8-SY +100	x	x
1	CTS-H-8-SY +140	x	x
2	CTS-H-8-SY +200	x	x
3	CTS-H-8-SY +270	x	x
4	CTS-H-0-SL-01 +25	x	x
5	CTS-H-0-SL-01 +50	x	x
6	CTS-H-0-SL-01 +100	x	x
7	CTS-H-0-SL-01 +140	x	x
8	CTS-H-0-SL-01 +200	x	x
9	CTS-H-0-SL-01 +270	x	x
10	CTS-H-0-SL-01 -270	x	x
11	CTS-H-30-SY +25	x	x
12	CTS-H-30-SY +50	x	x
13	CTS-H-30-SY +100-01	x	x
14	CTS-H-30-SY +100-02	x	x
15	CTS-H-30-SY +140	x	x
16	CTS-H-30-SY +200	x	x
17	CTS-H-30-SY +270	x	x

PSD Sample Splitting Actual									
Split Goals									
Sample ID	Multiplier	Original Mass [g]	Metals/Ra 226 Split		MLA		SPLP/TCLP		Notes:
			Est.	Actual	Est.	Actual	Est.	Actual	
CR-L-0-SL-01 +25	0.25	7.3	N/A		N/A		N/A		
CR-L-0-SL-01 +50	0.25	21.82	N/A		N/A		N/A		
CR-L-0-SL-01 +100	0.25	78.6	N/A		N/A		N/A		
CR-L-0-SL-01 +140	0.25	60.52	N/A		N/A		N/A		
CR-L-0-SL-01 +200	0.25	48.25	N/A		N/A		N/A		
CR-L-0-SL-01 +270	0.25	19	N/A		N/A		N/A		
CR-L-0-SL-01 -270	0.25	76.85	N/A		N/A		N/A		
CR-L-4-SY +25	0.25	21.1	5.28	5.28	5.28	5.29	10.55	10.45	High Organics
CR-L-4-SY +50	0.25	93.89	23.47	23.47	23.47	23.47	46.95	46.91	
CR-L-4-SY +100-01	0.25	292.99	73.25	36.62	73.25	73.28	146.50	146.21	Needs Dup.
CR-L-4-SY +100-02	0.25			36.63					
CR-L-4-SY +140	0.25	216.01	54.00	54.00	54.00	54.03	108.01	107.53	
CR-L-4-SY +200	0.25	147.75	36.94	36.94	36.94	36.95	73.88	73.51	
CR-L-4-SY +270	0.25	58.97	14.74	14.75	14.74	14.75	29.49	28.79	
CR-L-4-SY -270	0.25	111.2							
CR-L-8-SY +25	0.25	16.42	4.11	4.11	4.11	4.10	8.21	8.11	High Organics
CR-L-8-SY +50	0.25	96.23	24.06	24.05	24.06	24.09	48.12	48.06	
CR-L-8-SY +100	0.25	316.33	79.08	79.07	79.08	79.08	158.17	157.87	
CR-L-8-SY +140	0.25	235.75	58.94	59.00	58.94	58.95	117.88	117.43	
CR-L-8-SY +200	0.25	155.51	38.88	38.87	38.88	38.89	77.76	77.26	
CR-L-8-SY +270	0.25	62.53	15.63	15.63	15.63	15.63	31.27	30.78	
CR-L-8-SY -270	0.25	112.07							
CR-L-30-SY +25	0.25	14.83	3.71	3.71	3.71	3.72	7.42	7.41	
CR-L-30-SY +50	0.25	86.23	21.56	21.57	21.56	21.59	43.12	43.06	
CR-L-30-SY +100	0.25	299.05	74.76	74.76	74.76	74.76	149.53	149.27	
CR-L-30-SY +140	0.25	230.55	57.64	57.66	57.64	57.65	115.28	114.95	
CR-L-30-SY +200	0.25	158.34	39.59	39.60	39.59	39.60	79.17	78.70	
CR-L-30-SY +270	0.25	65.63	16.41	16.42	16.41	16.41	32.82	32.31	
CR-L-30-SY -270	0.25	137.01							
CR-M-0-SL-01 +25	0.25	36.97	N/A		N/A		N/A		
CR-M-0-SL-01 +50	0.25	77.55	N/A		N/A		N/A		
CR-M-0-SL-01 +100-01	0.25	84.32	N/A	42.17	N/A		N/A		Needs Dup.
CR-M-0-SL-01 +100-02	0.25			42.15					
CR-M-0-SL-01 +140	0.25	30.38	N/A		N/A		N/A		
CR-M-0-SL-01 +200	0.25	20.85	N/A		N/A		N/A		
CR-M-0-SL-01 +270	0.25	9.44	N/A		N/A		N/A		
CR-M-0-SL-01 -270	0.25	56.16	N/A		N/A		N/A		
CR-M-4-SY +25	0.25	82.48	20.62	20.61	20.62	20.62	41.24	41.18	
CR-M-4-SY +50	0.25	369.57	92.39	92.38	92.39	92.40	184.79	183.97	Tear in bag - sample loss
CR-M-4-SY +100	0.25	353.13	88.28	88.27	88.28	88.35	176.57	176.40	
CR-M-4-SY +140	0.25	113.78	28.45	28.45	28.45	28.46	56.89	56.57	
CR-M-4-SY +200	0.25	70.67	17.67	17.67	17.67	17.98	35.34	34.56	High on MLA split
CR-M-4-SY +270	0.25	31.43	7.86	7.86	7.86	7.85	15.72	15.31	
CR-M-4-SY -270	0.25	109.17							
CR-M-8-SY +25	0.25	165.22	41.31	41.31	41.31	41.31	82.61	82.61	
CR-M-8-SY +50	0.25	493.53	123.38	123.38	123.38	123.40	246.77	246.64	Low on SPLP - from transcriptional error on previous spreadsheet
CR-M-8-SY +100	0.25	410.51	102.63	102.63	102.63	102.69	205.26	205.18	
CR-M-8-SY +140	0.25	125.67	31.42	31.43	31.42	31.42	62.84	62.45	
CR-M-8-SY +200	0.25	76.71	19.18	19.17	19.18	19.18	38.36	38.10	
CR-M-8-SY +270	0.25	35.58	8.90	8.90	8.90	8.90	17.79	17.44	
CR-M-8-SY -270	0.25	131.25							
Split Goals									
Sample ID	Multiplier	Original Mass [g]	Metals/Ra 226 Split		MLA		SPLP/TCLP		Notes:
			Est.	Actual	Est.	Actual	Est.	Actual	
CR-M-30-SY +25	0.25	100.44	25.11	25.11	25.11	25.11	50.22	49.89	
CR-M-30-SY +50	0.25	371.53	92.88	92.89	92.88	92.94	185.77	185.43	
CR-M-30-SY +100-01	0.25	373.26	46.66	46.66	46.66	46.66	93.33	93.33	
CR-M-30-SY +100-02	0.25		46.66	46.66					
CR-M-30-SY +140	0.25	120.34	30.09	30.09	30.09	30.09	60.17	59.84	
CR-M-30-SY +200	0.25	79.47	19.87	19.87	19.87	19.9	39.74	39.33	
CR-M-30-SY +270	0.25	35.66	8.92	8.92	8.92	8.93	17.83	17.26	
CR-M-30-SY -270	0.25	171.24							
CR-H-0-SL-01 +25	0.25	83.60	N/A		N/A		N/A		
CR-H-0-SL-01 +50	0.25	139.19	N/A		N/A		N/A		
CR-H-0-SL-01 +100	0.25	92.25	N/A		N/A		N/A		
CR-H-0-SL-01 +140	0.25	21.13	N/A		N/A		N/A		
CR-H-0-SL-01 +200	0.25	14.87	N/A		N/A		N/A		
CR-H-0-SL-01 +270	0.25	9.19	N/A		N/A		N/A		
CR-H-0-SL-01 -270	0.25	71.97	N/A		N/A		N/A		
CR-H-4-SY +25	0.25	338.14	84.54	84.54	84.54	84.55	169.07	169.04	
CR-H-4-SY +50	0.25	688.11	172.03	172.04	172.03	172.04	344.06	343.92	
CR-H-4-SY +100	0.25	394.93	98.73	98.72	98.73	98.74	197.47	197.24	
CR-H-4-SY +140	0.25	74.24	18.56	18.56	18.56	18.56	37.12	36.62	
CR-H-4-SY +200	0.25	46.31	11.58	11.58	11.58	11.61	23.16	22.49	
CR-H-4-SY +270	0.25	24.31	6.08	6.08	6.08	6.09	12.16	11.63	
CR-H-4-SY -270	0.25	97.92							
CR-H-8-SY +25	0.25	380.46	95.12	95.13	95.12	95.12	190.23	190.25	
CR-H-8-SY +50-01	0.25	659.10	82.39	82.39	164.78	164.79	329.55	329.28	
CR-H-8-SY +50-02	0.25		82.39	82.38					
CR-H-8-SY +100	0.25	370.26	92.57	92.59	92.57	92.58	185.13	184.86	
CR-H-8-SY +140	0.25	71.97	17.99	18.00	17.99	18.05	35.99	35.32	Need dupe on +50 and on SPLP (dup on SPLP ~391.51g)
CR-H-8-SY +200	0.25	43.96	10.99	11.00	10.99	11.01	21.98	21.38	
CR-H-8-SY +270	0.25	24.09	6.02	6.02	6.02	6.02	12.05	11.38	
CR-H-8-SY -270	0.25	105.42							
CR-H-30-SY +25	0.25	148.99	37.25	37.25	37.25	37.25	74.50	74.47	
CR-H-30-SY +50	0.25	505.49	126.37	126.37	126.37	126.37	252.75	252.64	
CR-H-30-SY +100	0.25	368.61	92.15	92.15	92.15	92.16	184.31	184.06	
CR-H-30-SY +140	0.25	80.1	20.03	20.03	20.03	20.07	40.05	39.61	
CR-H-30-SY +200	0.25	50.68	12.67	12.67	12.67	12.67	25.34	24.93	
CR-H-30-SY +270	0.25	28.94	7.24	7.24	7.24	7.25	14.47	14.02	
CR-H-30-SY -270	0.25	167.47							
QV-L-0-SL-01 +25	0.25	52.3	N/A		N/A		N/A		
QV-L-0-SL-01 +50	0.25	89.67	N/A		N/A		N/A		
QV-L-0-SL-01 +100	0.25	102.86	N/A		N/A		N/A		
QV-L-0-SL-01 +140	0.25	30.44	N/A		N/A		N/A		
QV-L-0-SL-01 +200	0.25	15.33	N/A		N/A		N/A		
QV-L-0-SL-01 +270	0.25	8.67	N/A		N/A		N/A		
QV-L-0-SL-01 -270	0.25	68.72	N/A		N/A		N/A		
QV-L-4-SY +25	0.25	91.56	22.89	22.90	22.89	22.89	45.78	45.67	
QV-L-4-SY +50-01	0.25	344.46	43.06	43.06	86.12	86.12	172.23	171.60	
QV-L-4-SY +50-02	0.25		43.06	43.06					

Combined Samples					
MLA	Mass [g]		SPLP	Mass [g]	
	Est.	Actual		Est.	Actual
CR-L-4-SY +25/+270	207.68	207.65	CR-L-4-SY +25/+270	415.36	413.27
CR-L-8-SY +25/+270	220.69	220.75	CR-L-8-SY +25/+270	441.39	439.49
CR-L-30-SY +25/+270	213.66	213.73	CR-L-30-SY +25/+270	427.32	425.64
CR-M-4-SY +25/+270	255.27	255.64	CR-M-4-SY +25/+270	510.53	507.97
CR-M-8-SY +25/+270	326.81	326.94	CR-M-8-SY +25/+270	653.61	622.34

Combined Samples					
MLA	Mass [g]		SPLP	Mass [g]	
	Est.	Actual		Est.	Actual
CR-M-30-SY +25/+270	270.18	270.24	CR-M-30-SY +25/+270	540.35	537.61
CR-H-4-SY +25/+270	391.51	391.55	CR-H-4-SY +25/+270	783.02	780.85
CR-H-8-SY +25/+270	387.46	387.45	CR-H-8-SY +25/+270-01	387.46	388.24
			CR-H-8-SY +25/+270-02	389.94	383.75
CR-H-30-SY +25/+270	295.70	295.77	CR-H-30-SY +25/+270	591.41	589.73
QV-L-4-SY +25/+270	243.90	243.92	QV-L-4-SY +25/+270	487.79	485.89

Split Goals										Notes:										
Multiplier		0.25			0.25			0.5			Original Mass [g]	Est.	Actual	Est.	Actual	Est.	Actual	Est.	Actual	
Sample ID		Metals/Ra 226 Split		MLA		SPLP/TCLP														
QV-L-4-SY +100		361.9	90.48	90.47	90.48	90.49	180.95	180.75												
QV-L-4-SY +140		105.43	26.36	26.36	26.36	26.36	52.72	52.30												
QV-L-4-SY +200		49.6	12.40	12.40	12.40	12.40	24.80	24.56												
QV-L-4-SY +270		22.63	5.66	5.66	5.66	5.66	11.32	11.01												
QV-L-4-SY -270		117.17																		
Split Goals										Notes:										
Multiplier		0.25			0.25			0.5			Original Mass [g]	Est.	Actual	Est.	Actual	Est.	Actual	Est.	Actual	
Sample ID		Metals/Ra 226 Split		MLA		SPLP/TCLP														
QV-L-8-SY +25		150.49	37.62	37.62	37.62	37.59	75.25	75.26												
QV-L-8-SY +50		477.05	119.26	119.26	119.26	119.27	238.53	238.15												
QV-L-8-SY +100		479.74	119.94	119.94	119.94	119.93	239.87	239.34												
QV-L-8-SY +140		132.76	33.19	33.19	33.19	33.19	66.38	65.46												
QV-L-8-SY +200		61.84	15.46	15.46	15.46	15.46	30.92	30.34												
QV-L-8-SY +270		30.10	7.53	7.53	7.53	7.52	15.05	14.26												
QV-L-8-SY -270		141.64																		
QV-L-30-SY +25		120.26	30.07	30.09	30.07	30.12	60.13	60.09												
QV-L-30-SY +50		421.12	105.28	105.42	105.28	105.29	210.56	210.04												
QV-L-30-SY +100		470.74	117.69	117.69	117.69	117.72	235.37	234.71												
QV-L-30-SY +140		136.49	34.12	34.22	34.12	34.14	68.25	68.07												
QV-L-30-SY +200		67.02	16.76	16.76	16.76	16.75	33.51	31.96												
QV-L-30-SY +270		31.15	7.79	7.79	7.79	7.79	15.58	15.05												
QV-L-30-SY -270		181.25																		
QV-M-4-SY +25		325.43	81.36	81.35	81.36	81.44	162.72	162.7												
QV-M-4-SY +50		598.34	149.59	149.59	149.59	149.60	299.17	299.17												
QV-M-4-SY +100-01		425.92	53.24	53.23	106.48	106.47	212.96	212.96												
QV-M-4-SY +100-02			53.24	53.25																
QV-M-4-SY +140		93.37	23.34	23.34	23.34	23.35	46.69	46.06												
QV-M-4-SY +200		44.34	11.09	11.09	11.09	11.08	22.17	21.66												
QV-M-4-SY +270		23.55	5.89	5.88	5.89	5.87	11.78	11.15												
QV-M-4-SY -270		66.40																		
QV-M-0-SL-01 +25		56.49	N/A		N/A		N/A													
QV-M-0-SL-01 +50		114.89	N/A		N/A		N/A													
QV-M-0-SL-01 +100		87.26	N/A		N/A		N/A													
QV-M-0-SL-01 +140		25.76	N/A		N/A		N/A													
QV-M-0-SL-01 +200		12.46	N/A		N/A		N/A													
QV-M-0-SL-01 +270		8.06	N/A		N/A		N/A													
QV-M-0-SL-01 -270		74.87	N/A		N/A		N/A													
QV-M-8-SY +25		259.71	64.93	64.92	64.93	64.95	129.86	127.43												
QV-M-8-SY +50		629.30	157.33	157.33	157.33	157.33	314.65	314.56												
QV-M-8-SY +100		462.53	115.63	115.67	115.63	115.61	231.27	231.21												
QV-M-8-SY +140		100.91	25.23	25.22	25.23	25.23	50.46	50.20												
QV-M-8-SY +200		49.39	12.35	12.35	12.35	12.35	24.70	24.28												
QV-M-8-SY +270		24.85	6.21	6.22	6.21	6.22	12.43	11.96												
QV-M-8-SY -270		78.60																		
QV-M-30-SY +25		167.69	41.92	41.91	41.92	42.05	83.85	83.77												
QV-M-30-SY +50		522.93	130.73	130.72	130.73	130.83	261.47	261.02												
QV-M-30-SY +100-01		426.85	53.36	53.37	106.71	106.72	213.43	212.91												
QV-M-30-SY +100-02			53.36	53.36																
QV-M-30-SY +140		105.43	26.36	26.36	26.36	26.36	52.72	52.3												
QV-M-30-SY +200		54.70	13.68	13.68	13.68	13.69	27.35	26.82												
QV-M-30-SY +270		28.62	7.16	7.21	7.16	7.16	14.31	13.82												
QV-M-30-SY -270		124.50																		
QV-H-4-SY +25		405.65	101.41	101.55	101.41	101.41	202.83	202.57												
QV-H-4-SY +50		898.07	224.52	224.51	224.52	224.55	449.04	448.48												
QV-H-4-SY +100		591.43	147.86	147.85	147.86	147.87	295.72	295.24												
QV-H-4-SY +140		121.57	30.39	30.38	30.39	30.43	60.79	60.61												
QV-H-4-SY +200		58.00	14.50	14.50	14.50	14.50	29.00	28.54												
QV-H-4-SY +270		26.60	6.65	6.64	6.65	6.72	13.30	12.93												
QV-H-4-SY -270		84.22																		
QV-H-0-SL-01 +25		57.53	N/A		N/A		N/A													
QV-H-0-SL-01 +50		109.53	N/A		N/A		N/A													
QV-H-0-SL-01 +100		98.59	N/A		N/A		N/A													
QV-H-0-SL-01 +140		24.54	N/A		N/A		N/A													
QV-H-0-SL-01 +200		12.01	N/A		N/A		N/A													
QV-H-0-SL-01 +270		7.35	N/A		N/A		N/A													
QV-H-0-SL-01 -270		72.37	N/A		N/A		N/A													
QV-H-8-SY +25		339.73	84.93	84.94	84.93	84.93	169.87	169.21												
QV-H-8-SY +50		867.23	216.81	216.80	216.81	216.83	433.62	433.21												
QV-H-8-SY +100		605.60	151.40	151.40	151.40	151.39	302.80	302.26												
QV-H-8-SY +140		128.16	32.04	32.08	32.04	32.03	64.08	55.67												
QV-H-8-SY +200		60.22	15.06	15.06	15.06	15.06	30.11	37.91	Potential Contamination - Weight discrepancy											
QV-H-8-SY +270		28.83	7.21	7.21	7.21	7.20	14.42	13.86	Potential Contamination - Weight discrepancy											
QV-H-8-SY -270		96.03																		
QV-H-30-SY +25		247.12	61.78	61.80	61.78	61.78	123.56	123.67												
QV-H-30-SY +50		661.94	165.49	165.49	165.49	165.48	330.97	330.57												
QV-H-30-SY +100-01		527.33	65.92	65.97	131.83	131.83	263.67	262.98												
QV-H-30-SY +100-02			65.92	65.97																
QV-H-30-SY +140		130.85	32.71	32.71	32.71	32.70	65.43	65.04												
QV-H-30-SY +200		65.24	16.31	16.32	16.31	16.31	32.62	32.12												
QV-H-30-SY +270		30.95	7.74	7.74	7.74	7.75	15.48	14.94												
QV-H-30-SY -270		144.96																		
Split Goals										Notes:										
Multiplier		0.25			0.25			0.5			Original Mass [g]	Est.	Actual	Est.	Actual	Est.	Actual	Est.	Actual	
Sample ID		Metals/Ra 226 Split		MLA		SPLP/TCLP														
CTS-L-0-SL-01 +25		6.88	N/A		N/A		N/A													
CTS-L-0-SL-01 +50		11.73	N/A		N/A		N/A													
CTS-L-0-SL-01 +100		32.09	N/A		N/A		N/A													
CTS-L-0-SL-01 +140		35.57	N/A		N/A		N/A													
CTS-L-0-SL-01 +200		43.80	N/A		N/A		N/A													
CTS-L-0-SL-01 +270		36.63	N/A		N/A		N/A													
CTS-L-0-SL-01 -270		143.58	N/A		N/A		N/A													
CTS-L-4-SY +25		30.01	7.50	7.60	7.50	7.59	15.01	15.18												
CTS-L-4-SY +50		91.34	22.84	22.83	22.84	22.85	45.67	45.88												
CTS-L-4-SY +100		168.80	42.20	42.21	42.20	42.21	84.40	84.64												
CTS-L-4-SY +140		128.76	32.19	32.19	32.19	32.19	64.38	64.24												
CTS-L-4-SY +200		167.28	41.82	41.97	41.82	41.85	83.64	82.45												
CTS-L-4-SY +270		144.76	36.19	36.12	36.19	36.30	72.38	71.49												
CTS-L-4-SY -270		596.34			149.09															
CTS-L-8-SY +25		8.29	2.07	2.06	2.07	2.06														

Sample ID	Multiplier	Original Mass [g]	Split Goals						Notes:
			0.25		0.25		0.5		
			Metals/Ra 226 Split		MLA		SPLP/TCLP		
	Est.	Actual	Est.	Actual	Est.	Actual			
CTS-L-8-SY +100		130.35	32.59	32.59	32.59	32.60	65.18	64.89	
CTS-L-8-SY +140		115.35	28.84	28.84	28.84	28.84	57.68	57.44	
CTS-L-8-SY +200		191.75	47.94	47.94	47.94	47.94	95.88	95.27	
CTS-L-8-SY +270		100.48	25.12	25.12	25.12	25.12	50.24	49.47	
CTS-L-8-SY -270		606.09			151.52				
CTS-L-30-SY +25		5.07	1.27	1.40	1.27	1.27	2.54	2.54	
CTS-L-30-SY +50		34.09	8.52	8.52	8.52	8.52	17.05	17.06	
CTS-L-30-SY +100-01		98.71	12.34	12.34	24.68	24.68	49.36	49.26	
CTS-L-30-SY +100-02			12.34	12.34					
CTS-L-30-SY +140		96.89	24.22	24.22	24.22	24.23	48.45	47.91	
CTS-L-30-SY +200		179.05	44.76	44.76	44.76	44.76	89.53	89.00	
CTS-L-30-SY +270		95.70	23.93	23.93	23.93	23.94	47.85	47.66	
CTS-L-30-SY -270		674.92							
CTS-M-0-SL-01 +25		8.34	N/A		N/A		N/A		
CTS-M-0-SL-01 +50		17.33	N/A		N/A		N/A		
CTS-M-0-SL-01 +100		38.48	N/A		N/A		N/A		
CTS-M-0-SL-01 +140		36.91	N/A		N/A		N/A		
CTS-M-0-SL-01 +200		48.80	N/A		N/A		N/A		
CTS-M-0-SL-01 +270		30.95	N/A		N/A		N/A		
CTS-M-0-SL-01 -270		155.64	N/A		N/A		N/A		
CTS-M-4-SY +25		12.65	3.16	3.16	3.16	3.16	6.33	6.33	
CTS-M-4-SY +50		69.90	17.48	17.48	17.48	17.48	34.95	34.83	
CTS-M-4-SY +100		152.68	38.17	38.16	38.17	38.18	76.34	76.15	
CTS-M-4-SY +140		125.77	31.44	31.44	31.44	31.43	62.89	62.44	
CTS-M-4-SY +200		165.18	41.30	41.30	41.30	41.32	82.59	81.96	
CTS-M-4-SY +270		95.28	23.82	23.83	23.82	23.83	47.64	47.01	
CTS-M-4-SY -270		548.47			137.12				
CTS-M-8-SY +25		12.05	3.01	3.02	3.01	3.01	6.03	6.03	
CTS-M-8-SY +50		58.21	14.55	14.55	14.55	14.57	29.11	29.16	
CTS-M-8-SY +100-01		148.67	18.58	18.58	37.17	37.17	74.34	74.05	
CTS-M-8-SY +100-02			18.58	18.57					
CTS-M-8-SY +140		117.18	29.30	29.31	29.30	29.30	58.59	58.26	
CTS-M-8-SY +200		160.10	40.03	40.04	40.03	40.03	80.05	79.20	
CTS-M-8-SY +270		96.28	24.07	24.08	24.07	24.06	48.14	47.48	
CTS-M-8-SY -270		574.77			143.69				
CTS-M-30-SY +25		8.02	2.01	2.01	2.01	2.01	4.01	4.19	
CTS-M-30-SY +50		53.12	13.28	13.28	13.28	13.28	26.56	26.66	
CTS-M-30-SY +100		142.96	35.74	35.74	35.74	35.76	71.48	71.20	
CTS-M-30-SY +140		108.97	27.24	27.23	27.24	27.25	54.49	53.94	
CTS-M-30-SY +200		170.72	42.68	42.68	42.68	42.68	85.36	84.60	
CTS-M-30-SY +270		83.04	20.76	20.75	20.76	20.77	41.52	40.80	
CTS-M-30-SY -270		315.25							
CTS-H-0-SL-01 +25		8.76	N/A		N/A		N/A		
CTS-H-0-SL-01 +50		13.34	N/A		N/A		N/A		
CTS-H-0-SL-01 +100		36.25	N/A		N/A		N/A		
CTS-H-0-SL-01 +140		36.46	N/A		N/A		N/A		
CTS-H-0-SL-01 +200		59.96	N/A		N/A		N/A		
CTS-H-0-SL-01 +270		40.03	N/A		N/A		N/A		
CTS-H-0-SL-01 -270		199.00	N/A		N/A		N/A		
CTS-H-4-SY +25		8.27	2.07	2.07	2.07	2.06	4.14	4.01	
CTS-H-4-SY +50		47.23	11.81	11.82	11.81	11.83	23.62	23.53	
CTS-H-4-SY +100-01		143.05	17.88	17.87	35.76	35.77	71.53	71.02	
CTS-H-4-SY +100-02			17.88	17.88					
CTS-H-4-SY +140		128.34	32.09	32.10	32.09	32.09	64.17	63.38	
CTS-H-4-SY +200		215.36	53.84	53.85	53.84	53.86	107.68	106.82	
CTS-H-4-SY +270		86.23	21.56	21.57	21.56	21.56	43.12	42.39	
CTS-H-4-SY -270		293.04			73.26				
CTS-H-8-SY +25		9.27	2.32	2.32	2.32	2.33	4.64	4.09	
CTS-H-8-SY +50		55.57	13.89	13.89	13.89	13.90	27.79	27.36	
CTS-H-8-SY +100		146.01	36.50	36.49	36.50	36.50	73.01	72.40	
CTS-H-8-SY +140		135.52	33.88	33.89	33.88	33.88	67.76	66.87	
CTS-H-8-SY +200		235.34	58.84	58.84	58.84	58.84	117.67	116.97	
CTS-H-8-SY +270		103.73	25.93	25.93	25.93	25.93	51.87	50.84	
CTS-H-8-SY -270		0.00							
CTS-H-30-SY +25		5.31	1.33	1.34	1.33	1.33	2.66	2.13	
CTS-H-30-SY +50		51.36	12.84	12.84	12.84	12.85	25.68	25.05	
CTS-H-30-SY +100-01		132.14	16.52	16.53	33.04	33.04	66.07	65.23	
CTS-H-30-SY +100-02			16.52	16.52					
CTS-H-30-SY +140		124.22	31.06	31.06	31.06	31.06	62.11	61.35	
CTS-H-30-SY +200		142.59	35.65	35.64	35.65	35.65	71.30	70.33	
CTS-H-30-SY +270		151.28	37.82	37.82	37.82	37.81	75.64	74.54	
CTS-H-30-SY -270		0.00							

Concentrate Fraction Combinations

Quivira						
RO-TAP Sample ID	RO-TAP Sample Mass [g]	Goal Mass QV-L-0-F Added [g]	Actual Mass QV-L-0-F Added [g]	Post Pulverized Mass [g]	Date/Time	Notes
QV-L-4-SY -270	117.17	166.52	166.51	280.73		
QV-L-8-SY -270	141.64	224.56	224.63	362.72		
QV-L-30-SY -270	181.25	217.61	217.67	394.32		

Lost Mass 9

-1.0%

-1.0%

-1.2%

RO-TAP Sample ID	RO-TAP Sample Mass [g]	Goal Mass QV-M-0-F Added [g]	Actual Mass QV-M-0-F Added [g]	Post Pulverized Mass [g]	Date/Time	Notes
QV-M-4-SY -270	66.40	311.91	311.90	375.01		
QV-M-8-SY -270	78.60	317.44	317.69	393.39		
QV-M-30-SY -270	124.50	282.92	282.93	404.61		

-0.9%

-0.7%

-0.7%

RO-TAP Sample ID	RO-TAP Sample Mass [g]	Goal Mass QV-H-0-F Added [g]	Actual Mass QV-H-0-F Added [g]	Post Pulverized Mass [g]	Date/Time	Notes
QV-H-4-SY -270	84.22	389.75	389.91	470.18		
QV-H-8-SY -270	96.03	379.09	379.09	470.56		
QV-H-30-SY -270	144.96	322.49	322.53	459.77		

-0.8%

-1.0%

-1.7%

Church Rock						
RO-TAP Sample ID	RO-TAP Sample Mass [g]	Goal Mass CR-L-0-F Added [g]	Actual Mass CR-L-0-F Added [g]	Post Pulverized Mass [g]	Date/Time	Notes
CR-L-4-SY -270	111.20	189.09	189.19	298.92		
CR-L-8-SY -270	112.07	199.72	199.87	309.37		
CR-L-30-SY -270	137.04	199.08	199.21	333.14		

-0.5%

-0.8%

-0.9%

RO-TAP Sample ID	RO-TAP Sample Mass [g]	Goal Mass CR-M-0-F Added [g]	Actual Mass CR-M-0-F Added [g]	Post Pulverized Mass [g]	Date/Time	Notes
CR-M-4-SY -270	109.17	165.47	165.51	271.70		
CR-M-8-SY -270	131.25	206.20	206.37	334.43		
CR-M-30-SY -270	171.24	183.29	183.65	350.94		

-1.1%

-0.9%

-1.1%

RO-TAP Sample ID	RO-TAP Sample Mass [g]	Goal Mass CR-H-0-F Added [g]	Actual Mass CR-H-0-F Added [g]	Post Pulverized Mass [g]	Date/Time	Notes
CR-H-4-SY -270	97.92	240.99	241.01	336.07		
CR-H-8-SY -270	105.42	239.73	239.82	343.28		
CR-H-30-SY -270	167.47	195.56	195.67	358.80		

-0.8%

-0.6%

-1.2%

CTS -270 Fraction Pulverizing

Pulverizing Order	Sample ID	Logged Weight [g]	Pre-Pulverized Weight [g]
7	CTS-H-4-SY -270	608.11	607.07
8	CTS-H-8-SY -270	665.50	660.55
9	CTS-H-30-SY -270	704.39	700.87
1	CTS-L-4-SY -270	596.34	592.80
2	CTS-L-8-SY -270	606.09	602.49
3	CTS-L-30-SY -270	674.92	670.90
4	CTS-M-4-SY -270	548.47	547.27
5	CTS-M-8-SY -270	574.77	572.61
6	CTS-M-30-SY -270	598.07	597.79

Post- Pulverized Weight [g]	Lost Mass %
606.04	-0.2%
659.54	-0.2%
699.81	-0.2%
591.53	-0.2%
601.54	-0.2%
667.67	-0.5%
546.55	-0.1%
571.44	-0.2%
596.81	-0.2%