

Table E-2. Pace Analytical Results for Chemicals of Concern Used to Evaluate Primary Project Objectives

Sample Number	Matrix	Sample Delivery Group	Date Collected	Analyte	Total or Dissolved	Lab Result	Measurement Uncertainty	Qualifier	Method Detection Limit	Minimum Detectable Concentration	Reporting Limit	Result Units
CR-H-0-KY	Soil	S2211015	8/24/2022	Radium-226	Total	77.2	2.3		0.20	0.214	0.20	pCi/g
CR-H-0-SL-01	Soil	S2210147	8/23/2022	Radium-226	Total	228	3.7		0.20	0.220	0.20	pCi/g
CR-H-0-SL-01 +100/+140/+200/+270 Composite	Soil	S2210485	9/19/2022	Radium-226	Total	94.8	2.9		0.20	0.291	0.20	pCi/g
CR-H-0-SL-01 +25	Soil	S2210485	9/19/2022	Radium-226	Total	86.7	3.5		0.20	0.470	0.20	pCi/g
CR-H-0-SL-01 +50	Soil	S2210485	9/19/2022	Radium-226	Total	40.4	1.8		0.20	0.279	0.20	pCi/g
CR-H-0-SL-01 -270	Soil	S2210485	9/19/2022	Radium-226	Total	1280	14.3		0.20	0.549	0.20	pCi/g
CR-H-30-SY +100/+140/+200/+270 Composite	Soil	S2211015	9/19/2022	Radium-226	Total	22.1	1.5		0.20	0.309	0.20	pCi/g
CR-H-30-SY +25/+50 Composite	Soil	S2211015	9/19/2022	Radium-226	Total	15.3	1		0.20	0.238	0.20	pCi/g
CR-H-30-SY -270 Concentrate	Soil	S2210480	10/24/2022	Radium-226	Total	1010	9.7		0.20	0.349	0.50	pCi/g
CR-H-4-SY +100/+140/+200/+270 Composite	Soil	S2210485	9/15/2022	Radium-226	Total	43	2		0.20	0.302	0.20	pCi/g
CR-H-4-SY +25	Soil	S2210485	9/15/2022	Radium-226	Total	36.1	2.2		0.20	0.468	0.20	pCi/g
CR-H-4-SY +50	Soil	S2210485	9/15/2022	Radium-226	Total	20.3	1.2		0.20	0.225	0.20	pCi/g
CR-H-4-SY -270 Concentrate	Soil	S2210480	10/24/2022	Radium-226	Total	1200	11.7		0.20	0.413	0.50	pCi/g
CR-H-8-SY +100/+140/+200/+270 Composite	Soil	S2211015	9/17/2022	Radium-226	Total	36.6	1.9		0.20	0.317	0.20	pCi/g
CR-H-8-SY +25	Soil	S2211015	9/17/2022	Radium-226	Total	24.5	1.8		0.20	0.414	0.20	pCi/g
CR-H-8-SY +50-01	Soil	S2211015	9/17/2022	Radium-226	Total	21.5	1.9		0.20	0.474	0.20	pCi/g
CR-H-8-SY +50-02	Soil	S2211015	9/17/2022	Radium-226	Total	22.1	1.9		0.20	0.473	0.20	pCi/g
CR-H-8-SY -270 Concentrate	Soil	S2210480	10/24/2022	Radium-226	Total	1140	10.9		0.20	0.380	0.50	pCi/g
CR-L-0-SL-01	Soil	S2210147	8/23/2022	Radium-226	Total	19.7	1.2		0.20	0.240	0.20	pCi/g
CR-L-0-SL-01 +140/+200/+270 Composite	Soil	S2210485	9/9/2022	Radium-226	Total	9.6	0.9		0.20	0.310	0.20	pCi/g
CR-L-0-SL-01 +25/+50/+100 Composite	Soil	S2210485	9/9/2022	Radium-226	Total	11	1.1		0.20	0.370	0.20	pCi/g
CR-L-0-SL-01 -270	Soil	S2210485	9/9/2022	Radium-226	Total	62.3	3.1		0.20	0.508	0.20	pCi/g
CR-L-30-SY +140/+200/+270 Composite	Soil	S2210485	9/8/2022	Radium-226	Total	5.3	0.8		0.20	0.351	0.20	pCi/g
CR-L-30-SY +25/+50/+100 Composite	Soil	S2210485	9/8/2022	Radium-226	Total	6.2	0.9		0.20	0.399	0.20	pCi/g
CR-L-30-SY -270 Concentrate	Soil	S2210480	10/24/2022	Radium-226	Total	62.6	2.6		0.20	0.351	0.20	pCi/g
CR-L-4-SY +140/+200/+270 Composite	Soil	S2210485	9/6/2022	Radium-226	Total	9.8	1		0.20	0.383	0.20	pCi/g
CR-L-4-SY +25/+50/+100-01/+100-02 Composite	Soil	S2210485	9/6/2022	Radium-226	Total	9.7	1.1		0.20	0.396	0.20	pCi/g
CR-L-4-SY -270 Concentrate	Soil	S2210480	10/24/2022	Radium-226	Total	73.3	2.6		0.20	0.325	0.20	pCi/g
CR-L-8-SY +140/+200/+270 Composite	Soil	S2210485	9/7/2022	Radium-226	Total	6.6	0.8		0.20	0.351	0.20	pCi/g
CR-L-8-SY +25/+50/+100 Composite	Soil	S2210485	9/7/2022	Radium-226	Total	9	1		0.20	0.371	0.20	pCi/g
CR-L-8-SY -270 Concentrate	Soil	S2210480	10/24/2022	Radium-226	Total	63.1	2.4		0.20	0.305	0.20	pCi/g
CR-M-0-SL-01	Soil	S2210147	8/23/2022	Radium-226	Total	104	2.6		0.20	0.220	0.20	pCi/g
CR-M-0-SL-01 +140/+200/+270 Composite	Soil	S2210485	9/14/2022	Radium-226	Total	76.8	4		0.20	0.678	0.20	pCi/g
CR-M-0-SL-01 +25/+50/+100.01/+100-02 Composite	Soil	S2210485	9/14/2022	Radium-226	Total	32	1.4		0.20	0.198	0.20	pCi/g
CR-M-0-SL-01 -270	Soil	S2210485	9/14/2022	Radium-226	Total	430	9.4		0.20	0.696	0.20	pCi/g
CR-M-30-SY +140/+200/+270 Composite	Soil	S2210485	9/13/2022	Radium-226	Total	23.6	2.2		0.20	0.716	0.20	pCi/g
CR-M-30-SY +25/+50/+100.01/+100.02 Composite	Soil	S2210485	9/13/2022	Radium-226	Total	10.9	0.8		0.20	0.188	0.20	pCi/g
CR-M-30-SY -270 Concentrate	Soil	S2210480	10/24/2022	Radium-226	Total	358	6		0.20	0.350	0.20	pCi/g
CR-M-4-SY +140/+200/+270 Composite	Soil	S2210485	9/9/2022	Radium-226	Total	51.3	3.4		0.20	0.764	0.20	pCi/g
CR-M-4-SY +25/+50/+100 Composite	Soil	S2210485	9/9/2022	Radium-226	Total	16.8	1		0.20	0.195	0.20	pCi/g
CR-M-4-SY -270 Concentrate	Soil	S2210480	10/24/2022	Radium-226	Total	407	7.1		0.20	0.411	0.20	pCi/g
CR-M-8-SY +140/+200/+270 Composite	Soil	S2210485	9/12/2022	Radium-226	Total	39.8	3		0.20	0.700	0.20	pCi/g

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CR-M-8-SY +25/+50/+100 Composite	Soil	S2210485	9/12/2022	Radium-226	Total	15.5	0.9		0.20	0.175	0.20	pCi/g
CR-M-8-SY -270 Concentrate	Soil	S2210480	10/24/2022	Radium-226	Total	366	6		0.20	0.342	0.20	pCi/g
CTS-H-0-+1/4 inch Bulk Assay	Soil	S2210485	8/30/2022	Radium-226	Total	129	3.1		0.20	0.245	0.20	pCi/g
CTS-H-0-SL-01	Soil	S2210147	8/30/2022	Radium-226	Total	15	1		0.20	0.240	0.20	pCi/g
CTS-H-0-SL-01 +200/+270 Composite	Soil	S2211026	10/12/2022	Radium-226	Total	7.2	0.9		0.20	0.399	0.20	pCi/g
CTS-H-0-SL-01 +25/+50/+100/+140 Composite	Soil	S2211026	10/12/2022	Radium-226	Total	20.1	1.6		0.20	0.428	0.20	pCi/g
CTS-H-0-SL-01 -270	Soil	S2211026	10/12/2022	Radium-226	Total	19.9	1.2		0.20	0.239	0.20	pCi/g
CTS-H-30-SY +200/+270 Composite	Soil	S2211026	10/17/2022	Radium-226	Total	5	1		0.20	0.547	0.20	pCi/g
CTS-H-30-SY +25/+50/+100-01/+100-02/+140 Composite	Soil	S2211026	10/17/2022	Radium-226	Total	8.8	1.3		0.20	0.552	0.20	pCi/g
CTS-H-30-SY -270	Soil	S2210480	10/17/2022	Radium-226	Total	23.1	1.5		0.20	0.309	0.20	pCi/g
CTS-H-4-SY +200/+270 Composite	Soil	S2211026	10/13/2022	Radium-226	Total	6.3	1.1		0.20	0.530	0.20	pCi/g
CTS-H-4-SY +25/+50/+100-01/+100-02/+140 Composite	Soil	S2211026	10/13/2022	Radium-226	Total	15.2	1.5		0.20	0.526	0.20	pCi/g
CTS-H-4-SY -270-01	Soil	S2210480	10/13/2022	Radium-226	Total	28.3	1.7		0.20	0.360	0.20	pCi/g
CTS-H-4-SY -270-02	Soil	S2210480	10/13/2022	Radium-226	Total	25.2	1.6		0.20	0.338	0.20	pCi/g
CTS-H-8-SY +200/+270 Composite	Soil	S2211026	10/13/2022	Radium-226	Total	6.9	1		0.20	0.470	0.20	pCi/g
CTS-H-8-SY +25/+50/+100/+140 Composite	Soil	S2211026	10/13/2022	Radium-226	Total	11.3	1.3		0.20	0.473	0.20	pCi/g
CTS-H-8-SY -270	Soil	S2210480	10/13/2022	Radium-226	Total	26.2	1.6		0.20	0.309	0.20	pCi/g
CTS-L-0-+1/4-inch	Soil	S2210485	8/30/2022	Radium-226	Total	2.2	0.5	J	0.20	0.266	0.20	pCi/g
CTS-L-0-SL-01	Soil	S2210147	8/30/2022	Radium-226	Total	1.6	0.3		0.20	0.240	0.20	pCi/g
CTS-L-0-SL-01 +200/+270 Composite	Soil	S2211026	10/4/2022	Radium-226	Total	1.3	0.4		0.20	0.457	0.20	pCi/g
CTS-L-0-SL-01 +25/+50/+100/+140 Compsite	Soil	S2211026	10/4/2022	Radium-226	Total	1	0.4		0.20	0.475	0.20	pCi/g
CTS-L-0-SL-01 -270	Soil	S2211026	10/4/2022	Radium-226	Total	2	0.5		0.20	0.266	0.20	pCi/g
CTS-L-30-SY +200/+270 Composite	Soil	S2211026	10/6/2022	Radium-226	Total	0.8	0.5		0.20	0.587	0.20	pCi/g
CTS-L-30-SY +25/+50/+100-01/+100-02/+140 Compsite	Soil	S2211026	10/6/2022	Radium-226	Total	0.9	0.6		0.20	0.760	0.20	pCi/g
CTS-L-30-SY -270	Soil	S2210480	10/6/2022	Radium-226	Total	2.9	0.5		0.20	0.300	0.50	pCi/g
CTS-L-4-SY +200/+270 Composite	Soil	S2211026	10/5/2022	Radium-226	Total	0.7	0.4		0.20	0.513	0.20	pCi/g
CTS-L-4-SY +25/+50/+100/+140 Composite	Soil	S2211026	10/5/2022	Radium-226	Total	1.1	0.4		0.20	0.387	0.20	pCi/g
CTS-L-4-SY -270	Soil	S2210480	10/5/2022	Radium-226	Total	2.9	0.6		0.20	0.349	0.50	pCi/g
CTS-L-8-SY +200/+270 Composite	Soil	S2211026	10/6/2022	Radium-226	Total	1.1	0.5		0.20	0.548	0.20	pCi/g
CTS-L-8-SY +25/+50/+100/+140 Composite	Soil	S2211026	10/6/2022	Radium-226	Total	1.1	0.4		0.20	0.379	0.20	pCi/g
CTS-L-8-SY -270-01	Soil	S2210480	10/6/2022	Radium-226	Total	2.7	0.5		0.20	0.307	0.50	pCi/g
CTS-L-8-SY -270-02	Soil	S2210480	10/6/2022	Radium-226	Total	2.8	0.5		0.20	0.325	0.50	pCi/g
CTS-M-0-+1/4-inch	Soil	S2210485	8/30/2022	Radium-226	Total	102	2.6	J	0.20	0.219	0.20	pCi/g
CTS-M-0-SL-01	Soil	S2210147	8/30/2022	Radium-226	Total	12.7	0.9		0.20	0.230	0.20	pCi/g
CTS-M-0-SL-01 +200/+270 Composite	Soil	S2211026	10/11/2022	Radium-226	Total	7.5	1.1		0.20	0.500	0.20	pCi/g
CTS-M-0-SL-01 +25/+50/+100/+140 Compisite	Soil	S2211026	10/11/2022	Radium-226	Total	14.6	1.3		0.20	0.396	0.20	pCi/g
CTS-M-0-SL-01 -270	Soil	S2211026	10/11/2022	Radium-226	Total	15.3	1.1		0.20	0.251	0.20	pCi/g
CTS-M-30-SY +200/+270 Composite	Soil	S2211026	10/13/2022	Radium-226	Total	4.7	1		0.20	0.635	0.20	pCi/g
CTS-M-30-SY +25/+50/+100/+140 Composite	Soil	S2211026	10/13/2022	Radium-226	Total	7	1		0.20	0.526	0.20	pCi/g
CTS-M-30-SY -270	Soil	S2210480	10/13/2022	Radium-226	Total	22.4	1.5		0.20	0.339	0.50	pCi/g
CTS-M-4-SY +200/+270 Composite	Soil	S2211026	10/11/2022	Radium-226	Total	6.2	1.2		0.20	0.619	0.20	pCi/g
CTS-M-4-SY +25/+50/+100/+140 Composite	Soil	S2211026	10/11/2022	Radium-226	Total	9.8	1.2		0.20	0.453	0.20	pCi/g

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CTS-M-4-SY -270	Soil	S2210480	10/11/2022	Radium-226	Total	23.4	1.5		0.20	0.337	0.50	pCi/g
CTS-M-8-SY +200/+270 Composite	Soil	S2211026	10/11/2022	Radium-226	Total	5.5	1.1		0.20	0.629	0.20	pCi/g
CTS-M-8-SY +25/+50/+100-02/+100-02/+140 Composite	Soil	S2211026	10/11/2022	Radium-226	Total	9.3	1.2		0.20	0.510	0.20	pCi/g
CTS-M-8-SY -270	Soil	S2210480	10/11/2022	Radium-226	Total	21.8	1.4		0.20	0.322	0.50	pCi/g
QV-H-0-SL-01	Soil	S2210147	8/27/2022	Radium-226	Total	121	2.8		0.20	0.240	0.20	pCi/g
QV-H-0-SL-01 +100/+140/+200/+270 Composite-01	Soil	S2211015	10/4/2022	Radium-226	Total	35.3	2.7		0.20	0.558	0.20	pCi/g
QV-H-0-SL-01 +100/+140/+200/+270 Composite-02	Soil	S2211015	10/4/2022	Radium-226	Total	39.3	2.9		0.20	0.564	0.20	pCi/g
QV-H-0-SL-01 +25	Soil	S2211015	10/4/2022	Radium-226	Total	40.6	3.2		0.20	0.685	0.20	pCi/g
QV-H-0-SL-01 +50	Soil	S2211015	10/4/2022	Radium-226	Total	18.6	1.5		0.20	0.355	0.20	pCi/g
QV-H-0-SL-01 -270	Soil	S2211015	10/4/2022	Radium-226	Total	567	10.4		0.20	0.543	0.20	pCi/g
QV-H-30-SY +25	Soil	S2211015	10/3/2022	Radium-226	Total	10.8	1.6		0.20	0.637	0.20	pCi/g
QV-H-30-SY +50-01	Soil	S2211015	10/3/2022	Radium-226	Total	7.2	1.2		0.20	0.483	0.20	pCi/g
QV-H-30-SY +50-02	Soil	S2211015	10/3/2022	Radium-226	Total	6	1.1		0.20	0.465	0.20	pCi/g
QV-H-30-SY -270 Concentrate	Soil	S2210480	10/24/2022	Radium-226	Total	493	7.1		0.20	0.356	0.20	pCi/g
QV-H-30-SY+100-01/+100-02/+140/+200/+270 Composite	Soil	S2211015	10/3/2022	Radium-226	Total	8.1	0.8		0.20	0.214	0.20	pCi/g
QV-H-4-SY +100/+140/+200/+270 Composite	Soil	S2211015	10/2/2022	Radium-226	Total	11.5	0.9		0.20	0.200	0.20	pCi/g
QV-H-4-SY +25	Soil	S2211015	10/2/2022	Radium-226	Total	16.5	1.5		0.20	0.385	0.20	pCi/g
QV-H-4-SY +50-01	Soil	S2211015	10/2/2022	Radium-226	Total	10.6	1.1		0.20	0.256	0.20	pCi/g
QV-H-4-SY +50-02	Soil	S2211015	10/2/2022	Radium-226	Total	11.8	1.2		0.20	0.344	0.20	pCi/g
QV-H-4-SY -270 Concentrate	Soil	S2210480	10/24/2022	Radium-226	Total	547	7.1		0.20	0.324	0.20	pCi/g
QV-H-8-SY +100/+140/+200/+270 Composite	Soil	S2211015	10/3/2022	Radium-226	Total	10.4	0.8		0.20	0.195	0.20	pCi/g
QV-H-8-SY +25	Soil	S2211015	10/3/2022	Radium-226	Total	11.5	1.4		0.20	0.461	0.20	pCi/g
QV-H-8-SY +50	Soil	S2211015	10/3/2022	Radium-226	Total	6.9	0.7		0.20	0.179	0.20	pCi/g
QV-H-8-SY -270 Concentrate	Soil	S2210480	10/24/2022	Radium-226	Total	510	6.9		0.20	0.308	0.20	pCi/g
QV-L-0-SL-01	Soil	S2210147	8/26/2022	Radium-226	Total	31.8	1.4		0.20	0.220	0.20	pCi/g
QV-L-0-SL-01 +100/+140/+200/+270 Composite	Soil	S2211015	9/29/2022	Radium-226	Total	7.1	0.8		0.20	0.254	0.20	pCi/g
QV-L-0-SL-01 +25/+50 Composite	Soil	S2211015	9/29/2022	Radium-226	Total	7.5	0.9		0.20	0.276	0.20	pCi/g
QV-L-0-SL-01 -270	Soil	S2211015	9/29/2022	Radium-226	Total	141	4.9		0.20	0.576	0.20	pCi/g
QV-L-30-SY +100/+140/+200/+270 Composite	Soil	S2211015	9/29/2022	Radium-226	Total	3.9	0.5		0.20	0.229	0.20	pCi/g
QV-L-30-SY +25/+50 Composite	Soil	S2211015	9/29/2022	Radium-226	Total	4.2	0.6		0.20	0.289	0.20	pCi/g
QV-L-30-SY -270 Concentrate	Soil	S2210480	10/24/2022	Radium-226	Total	95.5	3		0.20	0.319	0.20	pCi/g
QV-L-4-SY +100/+140/+200/+270 Composite	Soil	S2211015	9/20/2022	Radium-226	Total	5.4	0.8		0.20	0.306	0.20	pCi/g
QV-L-4-SY +25/+50-01/+50-02 Composite	Soil	S2211015	9/20/2022	Radium-226	Total	4.8	0.8		0.20	0.365	0.20	pCi/g
QV-L-4-SY -270 Concentrate	Soil	S2210480	10/24/2022	Radium-226	Total	112	3.6		0.20	0.385	0.20	pCi/g
QV-L-8-SY +100/+140/+200/+270 Composite	Soil	S2211015	9/28/2022	Radium-226	Total	3.9	0.6		0.20	0.228	0.20	pCi/g
QV-L-8-SY +25/+50 Composite	Soil	S2211015	9/28/2022	Radium-226	Total	5.3	0.6		0.20	0.250	0.20	pCi/g
QV-L-8-SY -270 Concentrate	Soil	S2210480	10/24/2022	Radium-226	Total	120	3.5		0.20	0.343	0.20	pCi/g
QV-M-0-SL-01	Soil	S2210147	8/27/2022	Radium-226	Total	91.9	2.4		0.20	0.230	0.20	pCi/g
QV-M-0-SL-01 +100/+140/+200/+270 Composite-01	Soil	S2211015	10/2/2022	Radium-226	Total	24	2.2		0.20	0.594	0.20	pCi/g
QV-M-0-SL-01 +100/+140/+200/+270 Composite-02	Soil	S2211015	10/2/2022	Radium-226	Total	28	2.3		0.20	0.611	0.20	pCi/g
QV-M-0-SL-01 +25	Soil	S2211015	10/2/2022	Radium-226	Total	29.9	2.6		0.20	0.700	0.20	pCi/g
QV-M-0-SL-01 +50	Soil	S2211015	10/2/2022	Radium-226	Total	12.9	1.2		0.20	0.338	0.20	pCi/g

Table E-2. Pace Analytical Results for Chemicals of Concern Used to Evaluate Primary Project Objectives

Sample Number	Matrix	Sample Delivery Group	Date Collected	Analyte	Total or Dissolved	Lab Result	Measurement Uncertainty	Qualifier	Method Detection Limit	Minimum Detectable Concentration	Reporting Limit	Result Units
QV-M-0-SL-01 -270	Soil	S2211015	10/2/2022	Radium-226	Total	374	8		0.20	0.524	0.20	pCi/g
QV-M-30-SY +100/+140/+200/+270 Composite	Soil	S2211015	10/1/2022	Radium-226	Total	6.6	0.8		0.20	0.270	0.20	pCi/g
QV-M-30-SY +25/+50 Composite	Soil	S2211015	10/1/2022	Radium-226	Total	4.9	0.6		0.20	0.229	0.20	pCi/g
QV-M-30-SY -270 Concetrate	Soil	S2210480	10/24/2022	Radium-226	Total	328	5.5		0.20	0.321	0.20	pCi/g
QV-M-4-SY +100-01/+100-02/+140/+200/+270 Composite	Soil	S2211015	9/30/2022	Radium-226	Total	7.1	0.8		0.20	0.280	0.20	pCi/g
QV-M-4-SY +25	Soil	S2211015	9/30/2022	Radium-226	Total	12.1	1.3		0.20	0.484	0.20	pCi/g
QV-M-4-SY +50	Soil	S2211015	9/30/2022	Radium-226	Total	6.6	0.8		0.20	0.263	0.20	pCi/g
QV-M-4-SY -270 Concetrate	Soil	S2210480	10/24/2022	Radium-226	Total	372	5.8		0.20	0.320	0.20	pCi/g
QV-M-8-SY +100/+140/+200/+270 Composite	Soil	S2211015	9/30/2022	Radium-226	Total	9.2	1		0.20	0.281	0.20	pCi/g
QV-M-8-SY +25	Soil	S2211015	9/30/2022	Radium-226	Total	11.1	1.5		0.20	0.608	0.20	pCi/g
QV-M-8-SY +50	Soil	S2211015	9/30/2022	Radium-226	Total	6.1	0.7		0.20	0.247	0.20	pCi/g
QV-M-8-SY -270 Concetrate	Soil	S2210480	10/24/2022	Radium-226	Total	357	6.1		0.20	0.352	0.20	pCi/g
CR-H-0-KY	Soil	S2211015	8/24/2022	Uranium	Total	220			0.03		10.00	mg/Kg
CR-H-0-SL-01	Soil	S2210147	8/23/2022	Uranium	Total	940			0.03		10.00	mg/Kg
CR-H-0-SL-01 +100	Soil	S2210485	9/19/2022	Uranium	Total	160			0.03		10.00	mg/Kg
CR-H-0-SL-01 +140	Soil	S2210485	9/19/2022	Uranium	Total	190			0.03		10.00	mg/Kg
CR-H-0-SL-01 +200	Soil	S2210485	9/19/2022	Uranium	Total	420			0.03		10.00	mg/Kg
CR-H-0-SL-01 +25	Soil	S2210485	9/19/2022	Uranium	Total	170			0.03		10.00	mg/Kg
CR-H-0-SL-01 +270	Soil	S2210485	9/19/2022	Uranium	Total	460			0.03		10.00	mg/Kg
CR-H-0-SL-01 +50	Soil	S2210485	9/19/2022	Uranium	Total	90			0.03		10.00	mg/Kg
CR-H-0-SL-01 -270	Soil	S2210485	9/19/2022	Uranium	Total	4820			0.03		10.00	mg/Kg
CR-H-30-SY +100	Soil	S2211015	9/19/2022	Uranium	Total	20			0.03		10.00	mg/Kg
CR-H-30-SY +140	Soil	S2211015	9/19/2022	Uranium	Total	30			0.03		10.00	mg/Kg
CR-H-30-SY +200	Soil	S2211015	9/19/2022	Uranium	Total	40			0.03		10.00	mg/Kg
CR-H-30-SY +25	Soil	S2211015	9/19/2022	Uranium	Total	20			0.03		10.00	mg/Kg
CR-H-30-SY +270	Soil	S2211015	9/19/2022	Uranium	Total	40			0.03		10.00	mg/Kg
CR-H-30-SY +50	Soil	S2211015	9/19/2022	Uranium	Total	10			0.03		10.00	mg/Kg
CR-H-30-SY -270 Concetrate	Soil	S2210480	10/24/2022	Uranium	Total	3320			0.03		10.00	mg/Kg
CR-H-4-SY +100	Soil	S2210485	9/15/2022	Uranium	Total	40			0.03		10.00	mg/Kg
CR-H-4-SY +140	Soil	S2210485	9/15/2022	Uranium	Total	60			0.03		10.00	mg/Kg
CR-H-4-SY +200	Soil	S2210485	9/15/2022	Uranium	Total	90			0.03		10.00	mg/Kg
CR-H-4-SY +25	Soil	S2210485	9/15/2022	Uranium	Total	60			0.03		10.00	mg/Kg
CR-H-4-SY +270	Soil	S2210485	9/15/2022	Uranium	Total	110			0.03		10.00	mg/Kg
CR-H-4-SY +50	Soil	S2210485	9/15/2022	Uranium	Total	30			0.03		10.00	mg/Kg
CR-H-4-SY -270 Concetrate	Soil	S2210480	10/24/2022	Uranium	Total	4380			0.03		10.00	mg/Kg
CR-H-8-SY +100	Soil	S2211015	9/17/2022	Uranium	Total	30			0.03		10.00	mg/Kg
CR-H-8-SY +140	Soil	S2211015	9/17/2022	Uranium	Total	50			0.03		10.00	mg/Kg
CR-H-8-SY +200	Soil	S2211015	9/17/2022	Uranium	Total	60			0.03		10.00	mg/Kg
CR-H-8-SY +25	Soil	S2211015	9/17/2022	Uranium	Total	40			0.03		10.00	mg/Kg
CR-H-8-SY +270	Soil	S2211015	9/17/2022	Uranium	Total	80			0.03		10.00	mg/Kg
CR-H-8-SY +50-01	Soil	S2211015	9/17/2022	Uranium	Total	20			0.03		10.00	mg/Kg
CR-H-8-SY +50-02	Soil	S2211015	9/17/2022	Uranium	Total	20			0.03		10.00	mg/Kg

Table E-2. Pace Analytical Results for Chemicals of Concern Used to Evaluate Primary Project Objectives

Sample Number	Matrix	Sample Delivery Group	Date Collected	Analyte	Total or Dissolved	Lab Result	Measurement Uncertainty	Qualifier	Method Detection Limit	Minimum Detectable Concentration	Reporting Limit	Result Units
CR-H-8-SY -270 Concentrate	Soil	S2210480	10/24/2022	Uranium	Total	4210			0.03		10.00	mg/Kg
CR-L-0-SL-01	Soil	S2210147	8/23/2022	Uranium	Total	40			0.03		10.00	mg/Kg
CR-L-0-SL-01 +100	Soil	S2210485	9/9/2022	Uranium	Total	7.72		J	0.03		10.00	mg/Kg
CR-L-0-SL-01 +140	Soil	S2210485	9/9/2022	Uranium	Total	4.75		J	0.03		10.00	mg/Kg
CR-L-0-SL-01 +200	Soil	S2210485	9/9/2022	Uranium	Total	10			0.03		10.00	mg/Kg
CR-L-0-SL-01 +25	Soil	S2210485	9/9/2022	Uranium	Total	70			0.03		10.00	mg/Kg
CR-L-0-SL-01 +270	Soil	S2210485	9/9/2022	Uranium	Total	10			0.03		10.00	mg/Kg
CR-L-0-SL-01 +50	Soil	S2210485	9/9/2022	Uranium	Total	20			0.03		10.00	mg/Kg
CR-L-0-SL-01 -270	Soil	S2210485	9/9/2022	Uranium	Total	150			0.03		10.00	mg/Kg
CR-L-30-SY +100	Soil	S2210485	9/8/2022	Uranium	Total	5.59		J	0.03		10.00	mg/Kg
CR-L-30-SY +140	Soil	S2210485	9/8/2022	Uranium	Total	3.08		J	0.03		10.00	mg/Kg
CR-L-30-SY +200	Soil	S2210485	9/8/2022	Uranium	Total	4.44		J	0.03		10.00	mg/Kg
CR-L-30-SY +25	Soil	S2210485	9/8/2022	Uranium	Total	40			0.03		10.00	mg/Kg
CR-L-30-SY +270	Soil	S2210485	9/8/2022	Uranium	Total	8.46		J	0.03		10.00	mg/Kg
CR-L-30-SY +50	Soil	S2210485	9/8/2022	Uranium	Total	7.76		J	0.03		10.00	mg/Kg
CR-L-30-SY -270 Concentrate	Soil	S2210480	10/24/2022	Uranium	Total	140			0.03		10.00	mg/Kg
CR-L-4-SY +100-01	Soil	S2210485	9/6/2022	Uranium	Total	10			0.03		10.00	mg/Kg
CR-L-4-SY +100-02	Soil	S2210485	9/6/2022	Uranium	Total	6.61		J	0.03		10.00	mg/Kg
CR-L-4-SY +140	Soil	S2210485	9/6/2022	Uranium	Total	5.2		J	0.03		10.00	mg/Kg
CR-L-4-SY +200	Soil	S2210485	9/6/2022	Uranium	Total	10			0.03		10.00	mg/Kg
CR-L-4-SY +25	Soil	S2210485	9/6/2022	Uranium	Total	60			0.03		10.00	mg/Kg
CR-L-4-SY +270	Soil	S2210485	9/6/2022	Uranium	Total	20			0.03		10.00	mg/Kg
CR-L-4-SY +50	Soil	S2210485	9/6/2022	Uranium	Total	20			0.03		10.00	mg/Kg
CR-L-4-SY -270 Concentrate	Soil	S2210480	10/24/2022	Uranium	Total	160			0.03		10.00	mg/Kg
CR-L-8-SY +100	Soil	S2210485	9/7/2022	Uranium	Total	20			0.03		10.00	mg/Kg
CR-L-8-SY +140	Soil	S2210485	9/7/2022	Uranium	Total	9.04		J	0.03		10.00	mg/Kg
CR-L-8-SY +200	Soil	S2210485	9/7/2022	Uranium	Total	7.48		J	0.03		10.00	mg/Kg
CR-L-8-SY +25	Soil	S2210485	9/7/2022	Uranium	Total	30			0.03		10.00	mg/Kg
CR-L-8-SY +270	Soil	S2210485	9/7/2022	Uranium	Total	10			0.03		10.00	mg/Kg
CR-L-8-SY +50	Soil	S2210485	9/7/2022	Uranium	Total	10			0.03		10.00	mg/Kg
CR-L-8-SY -270 Concentrate	Soil	S2210480	10/24/2022	Uranium	Total	150			0.03		10.00	mg/Kg
CR-M-0-SL-01	Soil	S2210147	8/23/2022	Uranium	Total	260			0.03		10.00	mg/Kg
CR-M-0-SL-01 +100-01	Soil	S2210485	9/14/2022	Uranium	Total	40			0.03		10.00	mg/Kg
CR-M-0-SL-01 +100-02	Soil	S2210485	9/14/2022	Uranium	Total	40			0.03		10.00	mg/Kg
CR-M-0-SL-01 +140	Soil	S2210485	9/14/2022	Uranium	Total	40			0.03		10.00	mg/Kg
CR-M-0-SL-01 +200	Soil	S2210485	9/14/2022	Uranium	Total	70			0.03		10.00	mg/Kg
CR-M-0-SL-01 +25	Soil	S2210485	9/14/2022	Uranium	Total	100			0.03		10.00	mg/Kg
CR-M-0-SL-01 +270	Soil	S2210485	9/14/2022	Uranium	Total	100			0.03		10.00	mg/Kg
CR-M-0-SL-01 +50	Soil	S2210485	9/14/2022	Uranium	Total	40			0.03		10.00	mg/Kg
CR-M-0-SL-01 -270	Soil	S2210485	9/14/2022	Uranium	Total	1200			0.03		10.00	mg/Kg
CR-M-30-SY +100.01	Soil	S2210485	9/13/2022	Uranium	Total	10			0.03		10.00	mg/Kg
CR-M-30-SY +100.02	Soil	S2210485	9/13/2022	Uranium	Total	9.27		J	0.03		10.00	mg/Kg

Table E-2. Pace Analytical Results for Chemicals of Concern Used to Evaluate Primary Project Objectives

Sample Number	Matrix	Sample Delivery Group	Date Collected	Analyte	Total or Dissolved	Lab Result	Measurement Uncertainty	Qualifier	Method Detection Limit	Minimum Detectable Concentration	Reporting Limit	Result Units
CR-M-30-SY +140	Soil	S2210485	9/13/2022	Uranium	Total	10			0.03		10.00	mg/Kg
CR-M-30-SY +200	Soil	S2210485	9/13/2022	Uranium	Total	20			0.03		10.00	mg/Kg
CR-M-30-SY +25	Soil	S2210485	9/13/2022	Uranium	Total	30			0.03		10.00	mg/Kg
CR-M-30-SY +270	Soil	S2210485	9/13/2022	Uranium	Total	20			0.03		10.00	mg/Kg
CR-M-30-SY +50	Soil	S2210485	9/13/2022	Uranium	Total	9.82		J	0.03		10.00	mg/Kg
CR-M-30-SY -270 Concetrate	Soil	S2210480	10/24/2022	Uranium	Total	860			0.03		10.00	mg/Kg
CR-M-4-SY +100	Soil	S2210485	9/9/2022	Uranium	Total	20			0.03		10.00	mg/Kg
CR-M-4-SY +140	Soil	S2210485	9/9/2022	Uranium	Total	20			0.03		10.00	mg/Kg
CR-M-4-SY +200	Soil	S2210485	9/9/2022	Uranium	Total	30			0.03		10.00	mg/Kg
CR-M-4-SY +25	Soil	S2210485	9/9/2022	Uranium	Total	30			0.03		10.00	mg/Kg
CR-M-4-SY +270	Soil	S2210485	9/9/2022	Uranium	Total	50			0.03		10.00	mg/Kg
CR-M-4-SY +50	Soil	S2210485	9/9/2022	Uranium	Total	20			0.03		10.00	mg/Kg
CR-M-4-SY -270 Concetrate	Soil	S2210480	10/24/2022	Uranium	Total	1050			0.03		10.00	mg/Kg
CR-M-8-SY +100	Soil	S2210485	9/12/2022	Uranium	Total	10			0.03		10.00	mg/Kg
CR-M-8-SY +140	Soil	S2210485	9/12/2022	Uranium	Total	20			0.03		10.00	mg/Kg
CR-M-8-SY +200	Soil	S2210485	9/12/2022	Uranium	Total	20			0.03		10.00	mg/Kg
CR-M-8-SY +25	Soil	S2210485	9/12/2022	Uranium	Total	50			0.03		10.00	mg/Kg
CR-M-8-SY +270	Soil	S2210485	9/12/2022	Uranium	Total	40			0.03		10.00	mg/Kg
CR-M-8-SY +50	Soil	S2210485	9/12/2022	Uranium	Total	10			0.03		10.00	mg/Kg
CR-M-8-SY -270 Concetrate	Soil	S2210480	10/24/2022	Uranium	Total	1010			0.03		10.00	mg/Kg
CR-M-8-SY Combined +25/+270	Soil	S2210147	9/12/2022	Uranium	Total	20			0.03		10.00	mg/Kg
CTS-H-0-+1/4 inch Bulk Assay	Soil	S2210485	8/30/2022	Uranium	Total	610			0.03		10.00	mg/Kg
CTS-H-0-SL-01	Soil	S2210147	8/30/2022	Uranium	Total	50			0.03		10.00	mg/Kg
CTS-H-0-SL-01 +100	Soil	S2211026	10/12/2022	Uranium	Total	60			0.03		10.00	mg/Kg
CTS-H-0-SL-01 +140	Soil	S2211026	10/12/2022	Uranium	Total	40			0.03		10.00	mg/Kg
CTS-H-0-SL-01 +200	Soil	S2211026	10/12/2022	Uranium	Total	20			0.03		10.00	mg/Kg
CTS-H-0-SL-01 +25	Soil	S2211026	10/12/2022	Uranium	Total	660			0.03		10.00	mg/Kg
CTS-H-0-SL-01 +270	Soil	S2211026	10/12/2022	Uranium	Total	20			0.03		10.00	mg/Kg
CTS-H-0-SL-01 +50	Soil	S2211026	10/12/2022	Uranium	Total	120			0.03		10.00	mg/Kg
CTS-H-0-SL-01 -270	Soil	S2211026	10/12/2022	Uranium	Total	50			0.03		10.00	mg/Kg
CTS-H-30-SY +100-01	Soil	S2211026	10/17/2022	Uranium	Total	40			0.03		10.00	mg/Kg
CTS-H-30-SY +100-02	Soil	S2211026	10/17/2022	Uranium	Total	30			0.03		10.00	mg/Kg
CTS-H-30-SY +140	Soil	S2211026	10/17/2022	Uranium	Total	30			0.03		10.00	mg/Kg
CTS-H-30-SY +200	Soil	S2211026	10/17/2022	Uranium	Total	10			0.03		10.00	mg/Kg
CTS-H-30-SY +25	Soil	S2211026	10/17/2022	Uranium	Total	100			0.03		10.00	mg/Kg
CTS-H-30-SY +270	Soil	S2211026	10/17/2022	Uranium	Total	10			0.03		10.00	mg/Kg
CTS-H-30-SY +50	Soil	S2211026	10/17/2022	Uranium	Total	40			0.03		10.00	mg/Kg
CTS-H-30-SY -270	Soil	S2210480	10/17/2022	Uranium	Total	80			0.03		10.00	mg/Kg
CTS-H-4-SY +100-01	Soil	S2211026	10/13/2022	Uranium	Total	60			0.03		10.00	mg/Kg
CTS-H-4-SY +100-02	Soil	S2211026	10/13/2022	Uranium	Total	50			0.03		10.00	mg/Kg
CTS-H-4-SY +140	Soil	S2211026	10/13/2022	Uranium	Total	40			0.03		10.00	mg/Kg
CTS-H-4-SY +200	Soil	S2211026	10/13/2022	Uranium	Total	20			0.03		10.00	mg/Kg

Table E-2. Pace Analytical Results for Chemicals of Concern Used to Evaluate Primary Project Objectives

Sample Number	Matrix	Sample Delivery Group	Date Collected	Analyte	Total or Dissolved	Lab Result	Measurement Uncertainty	Qualifier	Method Detection Limit	Minimum Detectable Concentration	Reporting Limit	Result Units
CTS-H-4-SY +25	Soil	S2211026	10/13/2022	Uranium	Total	850			0.03		10.00	mg/Kg
CTS-H-4-SY +270	Soil	S2211026	10/13/2022	Uranium	Total	20			0.03		10.00	mg/Kg
CTS-H-4-SY +50	Soil	S2211026	10/13/2022	Uranium	Total	190			0.03		10.00	mg/Kg
CTS-H-4-SY -270-01	Soil	S2210480	10/13/2022	Uranium	Total	70			0.03		10.00	mg/Kg
CTS-H-4-SY -270-02	Soil	S2210480	10/13/2022	Uranium	Total	70			0.03		10.00	mg/Kg
CTS-H-8-SY +100	Soil	S2211026	10/13/2022	Uranium	Total	50			0.03		10.00	mg/Kg
CTS-H-8-SY +140	Soil	S2211026	10/13/2022	Uranium	Total	40			0.03		10.00	mg/Kg
CTS-H-8-SY +200	Soil	S2211026	10/13/2022	Uranium	Total	20			0.03		10.00	mg/Kg
CTS-H-8-SY +25	Soil	S2211026	10/13/2022	Uranium	Total	360			0.03		10.00	mg/Kg
CTS-H-8-SY +270	Soil	S2211026	10/13/2022	Uranium	Total	20			0.03		10.00	mg/Kg
CTS-H-8-SY +50	Soil	S2211026	10/13/2022	Uranium	Total	110			0.03		10.00	mg/Kg
CTS-H-8-SY -270	Soil	S2210480	10/13/2022	Uranium	Total	80			0.03		10.00	mg/Kg
CTS-L-0-+1/4-inch	Soil	S2210485	8/30/2022	Uranium	Total	2.92		J	0.03		10.00	mg/Kg
CTS-L-0-SL-01	Soil	S2210147	8/30/2022	Uranium	Total	4.52		J	0.03		10.00	mg/Kg
CTS-L-0-SL-01 +100	Soil	S2211026	10/4/2022	Uranium	Total	1.58		J	0.03		10.00	mg/Kg
CTS-L-0-SL-01 +140	Soil	S2211026	10/4/2022	Uranium	Total	1			0.00		1.00	mg/Kg
CTS-L-0-SL-01 +200	Soil	S2211026	10/4/2022	Uranium	Total	1.14		J	0.03		10.00	mg/Kg
CTS-L-0-SL-01 +25	Soil	S2211026	10/4/2022	Uranium	Total	4.87		J	0.03		10.00	mg/Kg
CTS-L-0-SL-01 +270	Soil	S2211026	10/4/2022	Uranium	Total	1.29		J	0.03		10.00	mg/Kg
CTS-L-0-SL-01 +50	Soil	S2211026	10/4/2022	Uranium	Total	5.2		J	0.03		10.00	mg/Kg
CTS-L-0-SL-01 -270	Soil	S2211026	10/4/2022	Uranium	Total	3.06		J	0.03		10.00	mg/Kg
CTS-L-30-SY +100-01	Soil	S2211026	10/6/2022	Uranium	Total	1.36		J	0.03		10.00	mg/Kg
CTS-L-30-SY +100-02	Soil	S2211026	10/6/2022	Uranium	Total	0.841		J	0.03		10.00	mg/Kg
CTS-L-30-SY +140	Soil	S2211026	10/6/2022	Uranium	Total	0.745		J	0.03		10.00	mg/Kg
CTS-L-30-SY +200	Soil	S2211026	10/6/2022	Uranium	Total	0.554		J	0.03		10.00	mg/Kg
CTS-L-30-SY +25	Soil	S2211026	10/6/2022	Uranium	Total	7.2		J	0.03		10.00	mg/Kg
CTS-L-30-SY +270	Soil	S2211026	10/6/2022	Uranium	Total	0.808		J	0.03		10.00	mg/Kg
CTS-L-30-SY +50	Soil	S2211026	10/6/2022	Uranium	Total	2.24		J	0.03		10.00	mg/Kg
CTS-L-30-SY -270	Soil	S2210480	10/6/2022	Uranium	Total	10			0.03		10.00	mg/Kg
CTS-L-4-SY +100	Soil	S2211026	10/5/2022	Uranium	Total	2.05		J	0.03		10.00	mg/Kg
CTS-L-4-SY +140	Soil	S2211026	10/5/2022	Uranium	Total	1.21		J	0.03		10.00	mg/Kg
CTS-L-4-SY +200	Soil	S2211026	10/5/2022	Uranium	Total	0.704		J	0.03		10.00	mg/Kg
CTS-L-4-SY +25	Soil	S2211026	10/5/2022	Uranium	Total	3.17		J	0.03		10.00	mg/Kg
CTS-L-4-SY +270	Soil	S2211026	10/5/2022	Uranium	Total	1.14		J	0.03		10.00	mg/Kg
CTS-L-4-SY +50	Soil	S2211026	10/5/2022	Uranium	Total	4.41		J	0.03		10.00	mg/Kg
CTS-L-4-SY -270	Soil	S2210480	10/5/2022	Uranium	Total	10			0.03		10.00	mg/Kg
CTS-L-8-SY +100	Soil	S2211026	10/6/2022	Uranium	Total	1.11		J	0.03		10.00	mg/Kg
CTS-L-8-SY +140	Soil	S2211026	10/6/2022	Uranium	Total	0.898		J	0.03		10.00	mg/Kg
CTS-L-8-SY +200	Soil	S2211026	10/6/2022	Uranium	Total	1.49		J	0.03		10.00	mg/Kg
CTS-L-8-SY +25	Soil	S2211026	10/6/2022	Uranium	Total	4.19		J	0.03		10.00	mg/Kg
CTS-L-8-SY +270	Soil	S2211026	10/6/2022	Uranium	Total	1.2		J	0.03		10.00	mg/Kg
CTS-L-8-SY +50	Soil	S2211026	10/6/2022	Uranium	Total	2.14		J	0.03		10.00	mg/Kg

Table E-2. Pace Analytical Results for Chemicals of Concern Used to Evaluate Primary Project Objectives

Sample Number	Matrix	Sample Delivery Group	Date Collected	Analyte	Total or Dissolved	Lab Result	Measurement Uncertainty	Qualifier	Method Detection Limit	Minimum Detectable Concentration	Reporting Limit	Result Units
CTS-L-8-SY -270-01	Soil	S2210480	10/6/2022	Uranium	Total	10			0.03		10.00	mg/Kg
CTS-L-8-SY -270-02	Soil	S2210480	10/6/2022	Uranium	Total	10			0.03		10.00	mg/Kg
CTS-M-0-+1/4-inch	Soil	S2210485	8/30/2022	Uranium	Total	610			0.03		10.00	mg/Kg
CTS-M-0-SL-01	Soil	S2210147	8/30/2022	Uranium	Total	40			0.03		10.00	mg/Kg
CTS-M-0-SL-01 +100	Soil	S2211026	10/11/2022	Uranium	Total	50			0.03		10.00	mg/Kg
CTS-M-0-SL-01 +140	Soil	S2211026	10/11/2022	Uranium	Total	30			0.03		10.00	mg/Kg
CTS-M-0-SL-01 +200	Soil	S2211026	10/11/2022	Uranium	Total	30			0.03		10.00	mg/Kg
CTS-M-0-SL-01 +25	Soil	S2211026	10/11/2022	Uranium	Total	290			0.03		10.00	mg/Kg
CTS-M-0-SL-01 +270	Soil	S2211026	10/11/2022	Uranium	Total	20			0.03		10.00	mg/Kg
CTS-M-0-SL-01 +50	Soil	S2211026	10/11/2022	Uranium	Total	110			0.03		10.00	mg/Kg
CTS-M-0-SL-01 -270	Soil	S2211026	10/11/2022	Uranium	Total	50			0.03		10.00	mg/Kg
CTS-M-30-SY +100	Soil	S2211026	10/13/2022	Uranium	Total	30			0.03		10.00	mg/Kg
CTS-M-30-SY +140	Soil	S2211026	10/13/2022	Uranium	Total	20			0.03		10.00	mg/Kg
CTS-M-30-SY +200	Soil	S2211026	10/13/2022	Uranium	Total	10			0.03		10.00	mg/Kg
CTS-M-30-SY +25	Soil	S2211026	10/13/2022	Uranium	Total	180			0.03		10.00	mg/Kg
CTS-M-30-SY +270	Soil	S2211026	10/13/2022	Uranium	Total	10			0.03		10.00	mg/Kg
CTS-M-30-SY +50	Soil	S2211026	10/13/2022	Uranium	Total	20			0.03		10.00	mg/Kg
CTS-M-30-SY -270	Soil	S2210480	10/13/2022	Uranium	Total	70			0.03		10.00	mg/Kg
CTS-M-4-SY +100	Soil	S2211026	10/11/2022	Uranium	Total	40			0.03		10.00	mg/Kg
CTS-M-4-SY +140	Soil	S2211026	10/11/2022	Uranium	Total	30			0.03		10.00	mg/Kg
CTS-M-4-SY +200	Soil	S2211026	10/11/2022	Uranium	Total	20			0.03		10.00	mg/Kg
CTS-M-4-SY +25	Soil	S2211026	10/11/2022	Uranium	Total	170			0.03		10.00	mg/Kg
CTS-M-4-SY +270	Soil	S2211026	10/11/2022	Uranium	Total	20			0.03		10.00	mg/Kg
CTS-M-4-SY +50	Soil	S2211026	10/11/2022	Uranium	Total	100			0.03		10.00	mg/Kg
CTS-M-4-SY -270	Soil	S2210480	10/11/2022	Uranium	Total	60			0.03		10.00	mg/Kg
CTS-M-8-SY +100-01	Soil	S2211026	10/11/2022	Uranium	Total	40			0.03		10.00	mg/Kg
CTS-M-8-SY +100-02	Soil	S2211026	10/11/2022	Uranium	Total	30			0.03		10.00	mg/Kg
CTS-M-8-SY +140	Soil	S2211026	10/11/2022	Uranium	Total	30			0.03		10.00	mg/Kg
CTS-M-8-SY +200	Soil	S2211026	10/11/2022	Uranium	Total	20			0.03		10.00	mg/Kg
CTS-M-8-SY +25	Soil	S2211026	10/11/2022	Uranium	Total	190			0.03		10.00	mg/Kg
CTS-M-8-SY +270	Soil	S2211026	10/11/2022	Uranium	Total	10			0.03		10.00	mg/Kg
CTS-M-8-SY +50	Soil	S2211026	10/11/2022	Uranium	Total	60			0.03		10.00	mg/Kg
CTS-M-8-SY -270	Soil	S2210480	10/11/2022	Uranium	Total	70			0.03		10.00	mg/Kg
QV-H-0-SL-01	Soil	S2210147	8/27/2022	Uranium	Total	400			0.03		10.00	mg/Kg
QV-H-0-SL-01 +100	Soil	S2211015	10/4/2022	Uranium	Total	60			0.03		10.00	mg/Kg
QV-H-0-SL-01 +140	Soil	S2211015	10/4/2022	Uranium	Total	80			0.03		10.00	mg/Kg
QV-H-0-SL-01 +200	Soil	S2211015	10/4/2022	Uranium	Total	140			0.03		10.00	mg/Kg
QV-H-0-SL-01 +25	Soil	S2211015	10/4/2022	Uranium	Total	90			0.03		10.00	mg/Kg
QV-H-0-SL-01 +270	Soil	S2211015	10/4/2022	Uranium	Total	180			0.03		10.00	mg/Kg
QV-H-0-SL-01 +50	Soil	S2211015	10/4/2022	Uranium	Total	50			0.03		10.00	mg/Kg
QV-H-0-SL-01 -270	Soil	S2211015	10/4/2022	Uranium	Total	1370			0.03		10.00	mg/Kg
QV-H-30-SY +100-01	Soil	S2211015	10/3/2022	Uranium	Total	10			0.03		10.00	mg/Kg

Table E-2. Pace Analytical Results for Chemicals of Concern Used to Evaluate Primary Project Objectives

Sample Number	Matrix	Sample Delivery Group	Date Collected	Analyte	Total or Dissolved	Lab Result	Measurement Uncertainty	Qualifier	Method Detection Limit	Minimum Detectable Concentration	Reporting Limit	Result Units
QV-H-30-SY +100-02	Soil	S2211015	10/3/2022	Uranium	Total	10			0.03		10.00	mg/Kg
QV-H-30-SY +140	Soil	S2211015	10/3/2022	Uranium	Total	10			0.03		10.00	mg/Kg
QV-H-30-SY +200	Soil	S2211015	10/3/2022	Uranium	Total	20			0.03		10.00	mg/Kg
QV-H-30-SY +25	Soil	S2211015	10/3/2022	Uranium	Total	20			0.03		10.00	mg/Kg
QV-H-30-SY +270	Soil	S2211015	10/3/2022	Uranium	Total	30			0.03		10.00	mg/Kg
QV-H-30-SY +50	Soil	S2211015	10/3/2022	Uranium	Total	10			0.03		10.00	mg/Kg
QV-H-30-SY -270 Concetrate	Soil	S2210480	10/24/2022	Uranium	Total	1090			0.03		10.00	mg/Kg
QV-H-4-SY +100	Soil	S2211015	10/2/2022	Uranium	Total	20			0.03		10.00	mg/Kg
QV-H-4-SY +140	Soil	S2211015	10/2/2022	Uranium	Total	30			0.03		10.00	mg/Kg
QV-H-4-SY +200	Soil	S2211015	10/2/2022	Uranium	Total	40			0.03		10.00	mg/Kg
QV-H-4-SY +25	Soil	S2211015	10/2/2022	Uranium	Total	30			0.03		10.00	mg/Kg
QV-H-4-SY +270	Soil	S2211015	10/2/2022	Uranium	Total	50			0.03		10.00	mg/Kg
QV-H-4-SY +50-01	Soil	S2211015	10/2/2022	Uranium	Total	20			0.03		10.00	mg/Kg
QV-H-4-SY -270 Concetrate	Soil	S2210480	10/24/2022	Uranium	Total	1310			0.03		10.00	mg/Kg
QV-H-8-SY +100	Soil	S2211015	10/3/2022	Uranium	Total	20			0.03		10.00	mg/Kg
QV-H-8-SY +140	Soil	S2211015	10/3/2022	Uranium	Total	20			0.03		10.00	mg/Kg
QV-H-8-SY +200	Soil	S2211015	10/3/2022	Uranium	Total	30			0.03		10.00	mg/Kg
QV-H-8-SY +25	Soil	S2211015	10/3/2022	Uranium	Total	20			0.03		10.00	mg/Kg
QV-H-8-SY +270	Soil	S2211015	10/3/2022	Uranium	Total	50			0.03		10.00	mg/Kg
QV-H-8-SY +50	Soil	S2211015	10/3/2022	Uranium	Total	20			0.03		10.00	mg/Kg
QV-H-8-SY -270 Concetrate	Soil	S2210480	10/24/2022	Uranium	Total	1170			0.03		10.00	mg/Kg
QV-L-0-SL-01	Soil	S2210147	8/26/2022	Uranium	Total	110			0.03		10.00	mg/Kg
QV-L-0-SL-01 +100	Soil	S2211015	9/29/2022	Uranium	Total	20			0.03		10.00	mg/Kg
QV-L-0-SL-01 +140	Soil	S2211015	9/29/2022	Uranium	Total	40			0.03		10.00	mg/Kg
QV-L-0-SL-01 +200	Soil	S2211015	9/29/2022	Uranium	Total	70			0.03		10.00	mg/Kg
QV-L-0-SL-01 +25	Soil	S2211015	9/29/2022	Uranium	Total	90			0.03		10.00	mg/Kg
QV-L-0-SL-01 +270	Soil	S2211015	9/29/2022	Uranium	Total	100			0.03		10.00	mg/Kg
QV-L-0-SL-01 +50	Soil	S2211015	9/29/2022	Uranium	Total	20			0.03		10.00	mg/Kg
QV-L-0-SL-01 -270	Soil	S2211015	9/29/2022	Uranium	Total	240			0.03		10.00	mg/Kg
QV-L-30-SY +100	Soil	S2211015	9/29/2022	Uranium	Total	6.71		J	0.03		10.00	mg/Kg
QV-L-30-SY +140	Soil	S2211015	9/29/2022	Uranium	Total	10			0.03		10.00	mg/Kg
QV-L-30-SY +200	Soil	S2211015	9/29/2022	Uranium	Total	20			0.03		10.00	mg/Kg
QV-L-30-SY +25	Soil	S2211015	9/29/2022	Uranium	Total	30			0.03		10.00	mg/Kg
QV-L-30-SY +270	Soil	S2211015	9/29/2022	Uranium	Total	30			0.03		10.00	mg/Kg
QV-L-30-SY +50	Soil	S2211015	9/29/2022	Uranium	Total	5.99		J	0.03		10.00	mg/Kg
QV-L-30-SY -270 Concetrate	Soil	S2210480	10/24/2022	Uranium	Total	210			0.03		10.00	mg/Kg
QV-L-4-SY +100	Soil	S2211015	9/20/2022	Uranium	Total	10			0.03		10.00	mg/Kg
QV-L-4-SY +140	Soil	S2211015	9/20/2022	Uranium	Total	20			0.03		10.00	mg/Kg
QV-L-4-SY +200	Soil	S2211015	9/20/2022	Uranium	Total	40			0.03		10.00	mg/Kg
QV-L-4-SY +25	Soil	S2211015	9/20/2022	Uranium	Total	40			0.03		10.00	mg/Kg
QV-L-4-SY +270	Soil	S2211015	9/20/2022	Uranium	Total	60			0.03		10.00	mg/Kg
QV-L-4-SY +50-01	Soil	S2211015	9/20/2022	Uranium	Total	10			0.03		10.00	mg/Kg

Table E-2. Pace Analytical Results for Chemicals of Concern Used to Evaluate Primary Project Objectives

Sample Number	Matrix	Sample Delivery Group	Date Collected	Analyte	Total or Dissolved	Lab Result	Measurement Uncertainty	Qualifier	Method Detection Limit	Minimum Detectable Concentration	Reporting Limit	Result Units
QV-L-4-SY +50-02	Soil	S2211015	9/20/2022	Uranium	Total	10			0.03		10.00	mg/Kg
QV-L-4-SY -270 Concetrate	Soil	S2210480	10/24/2022	Uranium	Total	230			0.03		10.00	mg/Kg
QV-L-8-SY +100	Soil	S2211015	9/28/2022	Uranium	Total	9.66		J	0.03		10.00	mg/Kg
QV-L-8-SY +140	Soil	S2211015	9/28/2022	Uranium	Total	20			0.03		10.00	mg/Kg
QV-L-8-SY +200	Soil	S2211015	9/28/2022	Uranium	Total	30			0.03		10.00	mg/Kg
QV-L-8-SY +25	Soil	S2211015	9/28/2022	Uranium	Total	40			0.03		10.00	mg/Kg
QV-L-8-SY +270	Soil	S2211015	9/28/2022	Uranium	Total	40			0.03		10.00	mg/Kg
QV-L-8-SY +50	Soil	S2211015	9/28/2022	Uranium	Total	20			0.03		10.00	mg/Kg
QV-L-8-SY -270 Concetrate	Soil	S2210480	10/24/2022	Uranium	Total	230			0.03		10.00	mg/Kg
QV-M-0-SL-01	Soil	S2210147	8/27/2022	Uranium	Total	230			0.03		10.00	mg/Kg
QV-M-0-SL-01 +100	Soil	S2211015	10/2/2022	Uranium	Total	40			0.03		10.00	mg/Kg
QV-M-0-SL-01 +140	Soil	S2211015	10/2/2022	Uranium	Total	50			0.03		10.00	mg/Kg
QV-M-0-SL-01 +200	Soil	S2211015	10/2/2022	Uranium	Total	120			0.03		10.00	mg/Kg
QV-M-0-SL-01 +25	Soil	S2211015	10/2/2022	Uranium	Total	110			0.03		10.00	mg/Kg
QV-M-0-SL-01 +270	Soil	S2211015	10/2/2022	Uranium	Total	190			0.03		10.00	mg/Kg
QV-M-0-SL-01 +50	Soil	S2211015	10/2/2022	Uranium	Total	40			0.03		10.00	mg/Kg
QV-M-0-SL-01 -270	Soil	S2211015	10/2/2022	Uranium	Total	840			0.03		10.00	mg/Kg
QV-M-30-SY +100-01	Soil	S2211015	10/1/2022	Uranium	Total	6.95		J	0.03		10.00	mg/Kg
QV-M-30-SY +100-02	Soil	S2211015	10/1/2022	Uranium	Total	10			0.03		10.00	mg/Kg
QV-M-30-SY +140	Soil	S2211015	10/1/2022	Uranium	Total	10			0.03		10.00	mg/Kg
QV-M-30-SY +200	Soil	S2211015	10/1/2022	Uranium	Total	20			0.03		10.00	mg/Kg
QV-M-30-SY +25	Soil	S2211015	10/1/2022	Uranium	Total	20			0.03		10.00	mg/Kg
QV-M-30-SY +270	Soil	S2211015	10/1/2022	Uranium	Total	30			0.03		10.00	mg/Kg
QV-M-30-SY +50	Soil	S2211015	10/1/2022	Uranium	Total	6.55		J	0.03		10.00	mg/Kg
QV-M-30-SY -270 Concetrate	Soil	S2210480	10/24/2022	Uranium	Total	640			0.03		10.00	mg/Kg
QV-M-4-SY +100-01	Soil	S2211015	9/30/2022	Uranium	Total	30			0.03		10.00	mg/Kg
QV-M-4-SY +100-02	Soil	S2211015	9/30/2022	Uranium	Total	10			0.03		10.00	mg/Kg
QV-M-4-SY +140	Soil	S2211015	9/30/2022	Uranium	Total	10		U	0.03		10.00	mg/Kg
QV-M-4-SY +200	Soil	S2211015	9/30/2022	Uranium	Total	30			0.03		10.00	mg/Kg
QV-M-4-SY +25	Soil	S2211015	9/30/2022	Uranium	Total	30			0.03		10.00	mg/Kg
QV-M-4-SY +270	Soil	S2211015	9/30/2022	Uranium	Total	40			0.03		10.00	mg/Kg
QV-M-4-SY +50	Soil	S2211015	9/30/2022	Uranium	Total	10			0.03		10.00	mg/Kg
QV-M-4-SY -270 Concetrate	Soil	S2210480	10/24/2022	Uranium	Total	770			0.03		10.00	mg/Kg
QV-M-8-SY +100	Soil	S2211015	9/30/2022	Uranium	Total	10			0.03		10.00	mg/Kg
QV-M-8-SY +140	Soil	S2211015	9/30/2022	Uranium	Total	20			0.03		10.00	mg/Kg
QV-M-8-SY +200	Soil	S2211015	9/30/2022	Uranium	Total	30			0.03		10.00	mg/Kg
QV-M-8-SY +25	Soil	S2211015	9/30/2022	Uranium	Total	20			0.03		10.00	mg/Kg
QV-M-8-SY +270	Soil	S2211015	9/30/2022	Uranium	Total	30			0.03		10.00	mg/Kg
QV-M-8-SY +50	Soil	S2211015	9/30/2022	Uranium	Total	10			0.03		10.00	mg/Kg
QV-M-8-SY -270 Concetrate	Soil	S2210480	10/24/2022	Uranium	Total	710			0.03		10.00	mg/Kg
CR-MU-WT-01	Water	S2208484	8/24/2022	Aluminum	Dissolved	0.1		U	0.0515		0.1	mg/L
CR-MU-WT-02	Water	S2208484	8/24/2022	Aluminum	Dissolved	0.1		U	0.0515		0.1	mg/L

Table E-2. Pace Analytical Results for Chemicals of Concern Used to Evaluate Primary Project Objectives

Sample Number	Matrix	Sample Delivery Group	Date Collected	Analyte	Total or Dissolved	Lab Result	Measurement Uncertainty	Qualifier	Method Detection Limit	Minimum Detectable Concentration	Reporting Limit	Result Units
CR-MU-WT-01	Water	S2208484	8/24/2022	Antimony	Dissolved	0.00018		J	0.000131		0.005	mg/L
CR-MU-WT-02	Water	S2208484	8/24/2022	Antimony	Dissolved	0.00023		J	0.000131		0.005	mg/L
CR-MU-WT-01	Water	S2208484	8/24/2022	Arsenic	Dissolved	0.00097		J	0.000619		0.005	mg/L
CR-MU-WT-02	Water	S2208484	8/24/2022	Arsenic	Dissolved	0.00098		J	0.000619		0.005	mg/L
CR-MU-WT-01	Water	S2208484	8/24/2022	Barium	Dissolved	0.0181		J	0.000228		0.1	mg/L
CR-MU-WT-02	Water	S2208484	8/24/2022	Barium	Dissolved	0.0182		J	0.000228		0.1	mg/L
CR-MU-WT-01	Water	S2208484	8/24/2022	Beryllium	Dissolved	0.001		U	0.000389		0.001	mg/L
CR-MU-WT-02	Water	S2208484	8/24/2022	Beryllium	Dissolved	0.001		U	0.000389		0.001	mg/L
CR-MU-WT-01	Water	S2208484	8/24/2022	Cadmium	Dissolved	0.002		U	0.0000771		0.002	mg/L
CR-MU-WT-02	Water	S2208484	8/24/2022	Cadmium	Dissolved	0.002		U	0.0000771		0.002	mg/L
CR-MU-WT-01	Water	S2208484	8/24/2022	Calcium	Dissolved	3			0.0934		0.5	mg/L
CR-MU-WT-02	Water	S2208484	8/24/2022	Calcium	Dissolved	3			0.0934		0.5	mg/L
CR-MU-WT-01	Water	S2208484	8/24/2022	Chromium	Dissolved	0.01		U	0.000964		0.01	mg/L
CR-MU-WT-02	Water	S2208484	8/24/2022	Chromium	Dissolved	0.01		U	0.000964		0.01	mg/L
CR-MU-WT-01	Water	S2208484	8/24/2022	Cobalt	Dissolved	0.01		U	0.00169		0.01	mg/L
CR-MU-WT-02	Water	S2208484	8/24/2022	Cobalt	Dissolved	0.01		U	0.00169		0.01	mg/L
CR-MU-WT-01	Water	S2208484	8/24/2022	Copper	Dissolved	0.00164		J	0.00113		0.01	mg/L
CR-MU-WT-02	Water	S2208484	8/24/2022	Copper	Dissolved	0.00169		J	0.00113		0.01	mg/L
CR-MU-WT-01	Water	S2208484	8/24/2022	Iron	Dissolved	0.05		U	0.0326		0.05	mg/L
CR-MU-WT-02	Water	S2208484	8/24/2022	Iron	Dissolved	0.05		U	0.0326		0.05	mg/L
CR-MU-WT-01	Water	S2208484	8/24/2022	Lead	Dissolved	0.00027		J	0.000155		0.001	mg/L
CR-MU-WT-02	Water	S2208484	8/24/2022	Lead	Dissolved	0.00028		J	0.000155		0.001	mg/L
CR-MU-WT-01	Water	S2208484	8/24/2022	Magnesium	Dissolved	0.5			0.0952		0.5	mg/L
CR-MU-WT-02	Water	S2208484	8/24/2022	Magnesium	Dissolved	0.5			0.0952		0.5	mg/L
CR-MU-WT-01	Water	S2208484	8/24/2022	Manganese	Dissolved	0.00508		J	0.0019		0.01	mg/L
CR-MU-WT-02	Water	S2208484	8/24/2022	Manganese	Dissolved	0.00529		J	0.0019		0.01	mg/L
CR-MU-WT-01	Water	S2208484	8/24/2022	Molybdenum	Dissolved	0.02		U	0.00568		0.02	mg/L
CR-MU-WT-02	Water	S2208484	8/24/2022	Molybdenum	Dissolved	0.02		U	0.00568		0.02	mg/L
CR-MU-WT-01	Water	S2208484	8/24/2022	Nickel	Dissolved	0.00096		J	0.0009		0.01	mg/L
CR-MU-WT-02	Water	S2208484	8/24/2022	Nickel	Dissolved	0.00092		J	0.0009		0.01	mg/L
CR Fractionation Water	Water	S2210450	10/13/2022	Radium-226 (Dissolved)	Dissolved	21.4	0.5		0.20	0.200	0.20	pCi/L
CR-H-30-WT	Water	S2209316	9/19/2022	Radium-226 (Dissolved)	Dissolved	38	0.7		0.20	0.200	0.20	pCi/L
CR-H-4-WT	Water	S2209316	9/15/2022	Radium-226 (Dissolved)	Dissolved	56.6	0.9		0.20	0.200	0.20	pCi/L
CR-H-8-WT	Water	S2209316	9/17/2022	Radium-226 (Dissolved)	Dissolved	60.2	0.9		0.20	0.200	0.20	pCi/L
CR-L-30-WT	Water	S2209244	9/8/2022	Radium-226 (Dissolved)	Dissolved	3.6	0.2		0.20	0.200	0.30	pCi/L
CR-L-4-WT	Water	S2209244	9/7/2022	Radium-226 (Dissolved)	Dissolved	2.3	0.2		0.20	0.200	0.20	pCi/L
CR-L-8-WT	Water	S2209244	9/7/2022	Radium-226 (Dissolved)	Dissolved	2.8	0.2		0.20	0.200	0.20	pCi/L
CR-M-30-WT	Water	S2209316	9/19/2022	Radium-226 (Dissolved)	Dissolved	38	0.7		0.20	0.200	0.20	pCi/L
CR-M-4-WT	Water	S2209244	9/9/2022	Radium-226 (Dissolved)	Dissolved	36.8	0.9		0.20	0.900	1.00	pCi/L
CR-M-8-WT	Water	S2209244	9/12/2022	Radium-226 (Dissolved)	Dissolved	37.3	0.7		0.20	0.200	0.20	pCi/L
CR-MU-WT-01	Water	S2208484	8/24/2022	Radium-226 (Dissolved)	Dissolved	1.5	0.1		0.2	0.3	0.2	pCi/L
CR-MU-WT-02	Water	S2208484	8/24/2022	Radium-226 (Dissolved)	Dissolved	1.6	0.1		0.2	0.2	0.2	pCi/L

Table E-2. Pace Analytical Results for Chemicals of Concern Used to Evaluate Primary Project Objectives

Sample Number	Matrix	Sample Delivery Group	Date Collected	Analyte	Total or Dissolved	Lab Result	Measurement Uncertainty	Qualifier	Method Detection Limit	Minimum Detectable Concentration	Reporting Limit	Result Units
CTS Fractionation Water	Water	S2210450	10/18/2022	Radium-226 (Dissolved)	Dissolved	6	0.3		0.20	0.200	0.20	pCi/L
CTS-H-30-WT	Water	S2210327	10/17/2022	Radium-226 (Dissolved)	Dissolved	4.3	0.3		0.20	0.200	0.20	pCi/L
CTS-H-4-WT	Water	S2210225	10/13/2022	Radium-226 (Dissolved)	Dissolved	3.9	0.2		0.20	0.200	0.20	pCi/L
CTS-H-8-WT	Water	S2210327	10/13/2022	Radium-226 (Dissolved)	Dissolved	4.4	0.3		0.20	0.200	0.20	pCi/L
CTS-L-30-WT	Water	S2210167	10/6/2022	Radium-226 (Dissolved)	Dissolved	2	0.2		0.20	0.200	0.20	pCi/L
CTS-L-4-WT	Water	S2210167	10/5/2022	Radium-226 (Dissolved)	Dissolved	5.4	0.3		0.20	0.200	0.20	pCi/L
CTS-L-8-WT	Water	S2210167	10/5/2022	Radium-226 (Dissolved)	Dissolved	9.4	0.4		0.20	0.200	0.20	pCi/L
CTS-M-30-WT	Water	S2210225	10/13/2022	Radium-226 (Dissolved)	Dissolved	3.4	0.2		0.20	0.200	0.20	pCi/L
CTS-M-4-WT	Water	S2210225	10/11/2022	Radium-226 (Dissolved)	Dissolved	3.6	0.2		0.20	0.200	0.20	pCi/L
CTS-M-8-WT	Water	S2210225	10/12/2022	Radium-226 (Dissolved)	Dissolved	4.4	0.2		0.20	0.200	0.20	pCi/L
QV Fractionation Water	Water	S2210450	10/11/2022	Radium-226 (Dissolved)	Dissolved	19	0.5		0.20	0.200	0.20	pCi/L
QV-H-30-WT	Water	S2210090	10/3/2022	Radium-226 (Dissolved)	Dissolved	21.4	0.7		0.20	0.200	0.20	pCi/L
QV-H-4-WT	Water	S2210090	10/2/2022	Radium-226 (Dissolved)	Dissolved	23.1	0.5		0.20	0.200	0.20	pCi/L
QV-H-8-WT	Water	S2210090	10/2/2022	Radium-226 (Dissolved)	Dissolved	18	0.5		0.20	0.200	0.20	pCi/L
QV-L-30-WT	Water	S2209316	9/21/2022	Radium-226 (Dissolved)	Dissolved	8.5	0.3		0.20	0.200	0.20	pCi/L
QV-L-4-WT	Water	S2209316	9/20/2022	Radium-226 (Dissolved)	Dissolved	11.1	0.4		0.20	0.200	0.30	pCi/L
QV-L-8-WT	Water	S2209316	9/20/2022	Radium-226 (Dissolved)	Dissolved	8.7	0.3		0.20	0.200	0.30	pCi/L
QV-M-30-WT	Water	S2210090	10/1/2022	Radium-226 (Dissolved)	Dissolved	12.3	0.4		0.20	0.200	0.20	pCi/L
QV-M-4-WT	Water	S2210090	9/30/2022	Radium-226 (Dissolved)	Dissolved	11.3	0.4		0.20	0.200	0.20	pCi/L
QV-M-8-WT	Water	S2210090	9/29/2022	Radium-226 (Dissolved)	Dissolved	10.3	0.4		0.20	0.200	0.20	pCi/L
SW-WT-01	Water	S2210140	10/5/2022	Radium-226 (Dissolved)	Dissolved	1.9	0.2		0.20	0.300	0.20	pCi/L
SW-WT-02	Water	S2210140	10/5/2022	Radium-226 (Dissolved)	Dissolved	0.8	0.1		0.20	0.300	0.20	pCi/L
CR Fractionation Water	Water	S2210450	10/13/2022	Radium-226 (Suspended)	Total	2.5	0.2		0.20	0.200	0.20	pCi/L
CR-H-30-WT	Water	S2209316	9/19/2022	Radium-226 (Suspended)	Total	164	1.4		0.20	0.200	0.20	pCi/L
CR-H-4-WT	Water	S2209316	9/15/2022	Radium-226 (Suspended)	Total	128	1.2		0.20	0.200	0.20	pCi/L
CR-H-8-WT	Water	S2209316	9/17/2022	Radium-226 (Suspended)	Total	190	1.5		0.20	0.200	0.20	pCi/L
CR-L-30-WT	Water	S2209244	9/8/2022	Radium-226 (Suspended)	Total	190	1.5		0.20	0.200	0.20	pCi/L
CR-L-4-WT	Water	S2209244	9/7/2022	Radium-226 (Suspended)	Total	27.3	0.6		0.20	0.200	0.20	pCi/L
CR-L-8-WT	Water	S2209244	9/7/2022	Radium-226 (Suspended)	Total	175	1.4		0.20	0.200	0.20	pCi/L
CR-M-30-WT	Water	S2209316	9/19/2022	Radium-226 (Suspended)	Total	164	1.4		0.20	0.200	0.20	pCi/L
CR-M-4-WT	Water	S2209244	9/9/2022	Radium-226 (Suspended)	Total	376	2.1		0.20	0.200	0.20	pCi/L
CR-M-8-WT	Water	S2209244	9/12/2022	Radium-226 (Suspended)	Total	365	2.1		0.20	0.200	0.20	pCi/L
CTS Fractionation Water	Water	S2210450	10/18/2022	Radium-226 (Suspended)	Total	2.2	0.2		0.20	0.200	0.20	pCi/L
CTS-H-30-WT	Water	S2210327	10/17/2022	Radium-226 (Suspended)	Total	2.7	0.2		0.20	0.200	0.20	pCi/L
CTS-H-4-WT	Water	S2210225	10/13/2022	Radium-226 (Suspended)	Total	6.4	0.3		0.20	0.200	0.20	pCi/L
CTS-H-8-WT	Water	S2210327	10/13/2022	Radium-226 (Suspended)	Total	4.1	0.3		0.20	0.300	0.20	pCi/L
CTS-L-30-WT	Water	S2210167	10/6/2022	Radium-226 (Suspended)	Total	1.8	0.1		0.20	0.200	0.20	pCi/L
CTS-L-4-WT	Water	S2210167	10/5/2022	Radium-226 (Suspended)	Total	1.5	0.1		0.20	0.200	0.20	pCi/L
CTS-L-8-WT	Water	S2210167	10/5/2022	Radium-226 (Suspended)	Total	3.7	0.2		0.20	0.200	0.20	pCi/L
CTS-M-30-WT	Water	S2210225	10/13/2022	Radium-226 (Suspended)	Total	3.1	0.2		0.20	0.200	0.20	pCi/L
CTS-M-4-WT	Water	S2210225	10/11/2022	Radium-226 (Suspended)	Total	1.9	0.2		0.20	0.200	0.20	pCi/L
CTS-M-8-WT	Water	S2210225	10/12/2022	Radium-226 (Suspended)	Total	2.8	0.2		0.20	0.200	0.20	pCi/L

Table E-2. Pace Analytical Results for Chemicals of Concern Used to Evaluate Primary Project Objectives

Sample Number	Matrix	Sample Delivery Group	Date Collected	Analyte	Total or Dissolved	Lab Result	Measurement Uncertainty	Qualifier	Method Detection Limit	Minimum Detectable Concentration	Reporting Limit	Result Units
QV Fractionation Water	Water	S2210450	10/11/2022	Radium-226 (Suspended)	Total	1.2	0.1		0.20	0.200	0.20	pCi/L
QV-H-30-WT	Water	S2210090	10/3/2022	Radium-226 (Suspended)	Total	123	1.3		0.20	0.200	0.20	pCi/L
QV-H-4-WT	Water	S2210090	10/2/2022	Radium-226 (Suspended)	Total	41.6	0.7		0.20	0.200	0.20	pCi/L
QV-H-8-WT	Water	S2210090	10/2/2022	Radium-226 (Suspended)	Total	53.1	0.8		0.20	0.200	0.20	pCi/L
QV-L-30-WT	Water	S2209316	9/21/2022	Radium-226 (Suspended)	Total	9.9	0.3		0.20	0.200	0.20	pCi/L
QV-L-4-WT	Water	S2209316	9/20/2022	Radium-226 (Suspended)	Total	13.5	0.4		0.20	0.200	0.20	pCi/L
QV-L-8-WT	Water	S2209316	9/20/2022	Radium-226 (Suspended)	Total	8.7	0.3		0.20	0.200	0.20	pCi/L
QV-M-30-WT	Water	S2210090	10/1/2022	Radium-226 (Suspended)	Total	92.9	1.1		0.20	0.200	0.20	pCi/L
QV-M-4-WT	Water	S2210090	9/30/2022	Radium-226 (Suspended)	Total	73.9	1		0.20	0.200	0.20	pCi/L
QV-M-8-WT	Water	S2210090	9/29/2022	Radium-226 (Suspended)	Total	70.1	1		0.20	0.200	0.20	pCi/L
SW-WT-01	Water	S2210140	10/5/2022	Radium-226 (Suspended)	Total	0.1	0.05	U	0.20	0.400	0.20	pCi/L
SW-WT-02	Water	S2210140	10/5/2022	Radium-226 (Suspended)	Total	0.13	0.05	U	0.20	0.300	0.20	pCi/L
CR-MU-WT-01	Water	S2208484	8/24/2022	Radium-228 (Dissolved)	Total	0.4	1.9	U	0.6	2.3	1	pCi/L
CR-MU-WT-02	Water	S2208484	8/24/2022	Radium-228 (Dissolved)	Total	-1.3	2	U	0.6	2.2	1	pCi/L
CR-MU-WT-01	Water	S2208484	8/24/2022	Selenium	Dissolved	0.005		U	0.000165		0.005	mg/L
CR-MU-WT-02	Water	S2208484	8/24/2022	Selenium	Dissolved	0.0002		J	0.000165		0.005	mg/L
CR-MU-WT-01	Water	S2208484	8/24/2022	Silver	Dissolved	0.003		U	0.0000761		0.003	mg/L
CR-MU-WT-02	Water	S2208484	8/24/2022	Silver	Dissolved	0.003		U	0.0000761		0.003	mg/L
CR-MU-WT-01	Water	S2208484	8/24/2022	Sodium	Dissolved	339			0.953		1	mg/L
CR-MU-WT-02	Water	S2208484	8/24/2022	Sodium	Dissolved	338			0.953		1	mg/L
CR-MU-WT-01	Water	S2208484	8/24/2022	Thallium	Dissolved	0.001		U	0.000253		0.001	mg/L
CR-MU-WT-02	Water	S2208484	8/24/2022	Thallium	Dissolved	0.001		U	0.000253		0.001	mg/L
CR-MU-WT-01	Water	S2208484	8/24/2022	Thorium	Dissolved	0.1		U	0.0322		0.1	mg/L
CR-MU-WT-02	Water	S2208484	8/24/2022	Thorium	Dissolved	0.1		U	0.0322		0.1	mg/L
CR-MU-WT-01	Water	S2208484	8/24/2022	Total Dissolved Solids	Total	900			10		10	mg/L
CR-MU-WT-02	Water	S2208484	8/24/2022	Total Dissolved Solids	Total	900			10		10	mg/L
CR Fractionation Water	Water	S2210450	10/13/2022	Total Radium-226	Total	23.9	0.2		0.20	0.200	0.20	pCi/L
CR-H-30-WT	Water	S2209316	9/19/2022	Total Radium-226	Total	202	0.7		0.20	0.200	0.20	pCi/L
CR-H-4-WT	Water	S2209316	9/15/2022	Total Radium-226	Total	184.6	0.9		0.20	0.200	0.20	pCi/L
CR-H-8-WT	Water	S2209316	9/17/2022	Total Radium-226	Total	250.2	0.9		0.20	0.200	0.20	pCi/L
CR-L-30-WT	Water	S2209244	9/8/2022	Total Radium-226	Total	193.6	1.5		0.20	0.200	0.20	pCi/L
CR-L-4-WT	Water	S2209244	9/7/2022	Total Radium-226	Total	29.6	0.6		0.20	0.200	0.20	pCi/L
CR-L-8-WT	Water	S2209244	9/7/2022	Total Radium-226	Total	177.8	1.4		0.20	0.200	0.20	pCi/L
CR-M-30-WT	Water	S2209316	9/19/2022	Total Radium-226	Total	202	0.7		0.20	0.200	0.20	pCi/L
CR-M-4-WT	Water	S2209244	9/9/2022	Total Radium-226	Total	412.8	2.1		0.20	0.200	0.20	pCi/L
CR-M-8-WT	Water	S2209244	9/12/2022	Total Radium-226	Total	402.3	2.1		0.20	0.200	0.20	pCi/L
CTS Fractionation Water	Water	S2210450	10/18/2022	Total Radium-226	Total	8.2	0.2		0.20	0.200	0.20	pCi/L
CTS-H-30-WT	Water	S2210327	10/17/2022	Total Radium-226	Total	7	0.2		0.20	0.200	0.20	pCi/L
CTS-H-4-WT	Water	S2210225	10/13/2022	Total Radium-226	Total	10.3	0.3		0.20	0.200	0.20	pCi/L
CTS-H-8-WT	Water	S2210327	10/13/2022	Total Radium-226	Total	8.5	0.3		0.20	0.300	0.20	pCi/L
CTS-L-30-WT	Water	S2210167	10/6/2022	Total Radium-226	Total	3.8	0.2		0.20	0.200	0.20	pCi/L
CTS-L-4-WT	Water	S2210167	10/5/2022	Total Radium-226	Total	6.9	0.3		0.20	0.200	0.20	pCi/L

Table E-2. Pace Analytical Results for Chemicals of Concern Used to Evaluate Primary Project Objectives

Sample Number	Matrix	Sample Delivery Group	Date Collected	Analyte	Total or Dissolved	Lab Result	Measurement Uncertainty	Qualifier	Method Detection Limit	Minimum Detectable Concentration	Reporting Limit	Result Units
CTS-L-8-WT	Water	S2210167	10/5/2022	Total Radium-226	Total	13.1	0.4		0.20	0.200	0.20	pCi/L
CTS-M-30-WT	Water	S2210225	10/13/2022	Total Radium-226	Total	6.5	0.2		0.20	0.200	0.20	pCi/L
CTS-M-4-WT	Water	S2210225	10/11/2022	Total Radium-226	Total	5.5	0.2		0.20	0.200	0.20	pCi/L
CTS-M-8-WT	Water	S2210225	10/12/2022	Total Radium-226	Total	7.2	0.2		0.20	0.200	0.20	pCi/L
QV Fractionation Water	Water	S2210450	10/11/2022	Total Radium-226	Total	20.2	0.1		0.20	0.200	0.20	pCi/L
QV-H-30-WT	Water	S2210090	10/3/2022	Total Radium-226	Total	144.4	1.3		0.20	0.200	0.20	pCi/L
QV-H-4-WT	Water	S2210090	10/2/2022	Total Radium-226	Total	64.7	0.7		0.20	0.200	0.20	pCi/L
QV-H-8-WT	Water	S2210090	10/2/2022	Total Radium-226	Total	71.1	0.8		0.20	0.200	0.20	pCi/L
QV-L-30-WT	Water	S2209316	9/21/2022	Total Radium-226	Total	18.4	0.3		0.20	0.200	0.20	pCi/L
QV-L-4-WT	Water	S2209316	9/20/2022	Total Radium-226	Total	24.6	0.4		0.20	0.200	0.30	pCi/L
QV-L-8-WT	Water	S2209316	9/20/2022	Total Radium-226	Total	17.4	0.3		0.20	0.200	0.30	pCi/L
QV-M-30-WT	Water	S2210090	10/1/2022	Total Radium-226	Total	105.2	1.1		0.20	0.200	0.20	pCi/L
QV-M-4-WT	Water	S2210090	9/30/2022	Total Radium-226	Total	85.2	1		0.20	0.200	0.20	pCi/L
QV-M-8-WT	Water	S2210090	9/29/2022	Total Radium-226	Total	80.4	1		0.20	0.200	0.20	pCi/L
SW-WT-01	Water	S2210140	10/5/2022	Total Radium-226	Total	1.9			0.20		0.20	pCi/L
SW-WT-02	Water	S2210140	10/5/2022	Total Radium-226	Total	0.8			0.20		0.20	pCi/L
CR-MU-WT-01	Water	S2208484	8/24/2022	Total Suspended Solids	Total	5		U	1		5	mg/L
CR-MU-WT-02	Water	S2208484	8/24/2022	Total Suspended Solids	Total	5		U	1		5	mg/L
CR Fractionation Water	Water	S2210450	10/13/2022	Uranium	Total	0.456			0.00		0.00	mg/L
CR-H-30-WT	Water	S2209316	9/19/2022	Uranium	Dissolved	4.31			0.00		0.00	mg/L
CR-H-30-WT	Water	S2209316	9/19/2022	Uranium	Total	4.81			0.00		0.00	mg/L
CR-H-4-WT	Water	S2209316	9/15/2022	Uranium	Total	4.65			0.00		0.00	mg/L
CR-H-8-WT	Water	S2209316	9/17/2022	Uranium	Total	4.85			0.00		0.00	mg/L
CR-L-30-WT	Water	S2209244	9/8/2022	Uranium	Dissolved	0.181			0.00		0.00	mg/L
CR-L-30-WT	Water	S2209244	9/8/2022	Uranium	Total	0.459			0.00		0.00	mg/L
CR-L-4-WT	Water	S2209244	9/7/2022	Uranium	Total	0.205			0.00		0.00	mg/L
CR-L-8-WT	Water	S2209244	9/7/2022	Uranium	Total	0.305			0.00		0.00	mg/L
CR-M-0-SL-0.45 Filtrate Post-Rec	Water	S2209316	9/19/2022	Uranium	Dissolved	0.111			0.00		0.00	mg/L
CR-M-0-SL-0.45 Filtrate Pre-Rec	Water	S2209316	9/16/2022	Uranium	Dissolved	0.103			0.00		0.00	mg/L
CR-M-30-WT	Water	S2209316	9/19/2022	Uranium	Dissolved	4.31			0.00		0.00	mg/L
CR-M-30-WT	Water	S2209316	9/19/2022	Uranium	Total	4.81			0.00		0.00	mg/L
CR-M-4-WT	Water	S2209244	9/9/2022	Uranium	Dissolved	1.04			0.00		0.00	mg/L
CR-M-4-WT	Water	S2209244	9/9/2022	Uranium	Total	1.94			0.00		0.00	mg/L
CR-M-8-WT	Water	S2209244	9/12/2022	Uranium	Dissolved	1.14			0.00		0.00	mg/L
CR-M-8-WT	Water	S2209244	9/12/2022	Uranium	Total	2.22			0.00		0.00	mg/L
CR-MU-WT-01	Water	S2208484	8/24/2022	Uranium	Dissolved	0.003			0.0000352		0.001	mg/L
CR-MU-WT-02	Water	S2208484	8/24/2022	Uranium	Dissolved	0.003			0.0000352		0.001	mg/L
CTS Fractionation Water	Water	S2210450	10/18/2022	Uranium	Total	0.039			0.00		0.00	mg/L
CTS-H-30-WT	Water	S2210327	10/17/2022	Uranium	Dissolved	0.539			0.00		0.00	mg/L
CTS-H-30-WT	Water	S2210327	10/17/2022	Uranium	Total	0.65			0.00		0.00	mg/L
CTS-H-4-WT	Water	S2210225	10/13/2022	Uranium	Total	0.619			0.00		0.00	mg/L
CTS-H-8-WT	Water	S2210327	10/13/2022	Uranium	Dissolved	0.497			0.00		0.00	mg/L

Table E-2. Pace Analytical Results for Chemicals of Concern Used to Evaluate Primary Project Objectives

Sample Number	Matrix	Sample Delivery Group	Date Collected	Analyte	Total or Dissolved	Lab Result	Measurement Uncertainty	Qualifier	Method Detection Limit	Minimum Detectable Concentration	Reporting Limit	Result Units
CTS-H-8-WT	Water	S2210327	10/13/2022	Uranium	Total	0.525			0.00		0.00	mg/L
CTS-L-30-WT	Water	S2210167	10/6/2022	Uranium	Dissolved	0.001		U	0.00		0.00	mg/L
CTS-L-30-WT	Water	S2210167	10/6/2022	Uranium	Total	0.063			0.00		0.00	mg/L
CTS-L-4-WT	Water	S2210167	10/5/2022	Uranium	Total	0.078			0.00		0.00	mg/L
CTS-L-8-WT	Water	S2210167	10/5/2022	Uranium	Total	0.087			0.00		0.00	mg/L
CTS-M-30-WT	Water	S2210225	10/13/2022	Uranium	Dissolved	0.445			0.00		0.00	mg/L
CTS-M-30-WT	Water	S2210225	10/13/2022	Uranium	Total	0.469			0.00		0.00	mg/L
CTS-M-4-WT	Water	S2210225	10/11/2022	Uranium	Total	0.342			0.00		0.00	mg/L
CTS-M-8-WT	Water	S2210225	10/12/2022	Uranium	Total	0.398			0.00		0.00	mg/L
QV Fractionation Water	Water	S2210450	10/11/2022	Uranium	Total	0.726			0.00		0.00	mg/L
QV-H-30-WT	Water	S2210090	10/3/2022	Uranium	Dissolved	3.58			0.00		0.00	mg/L
QV-H-30-WT	Water	S2210090	10/3/2022	Uranium	Total	3.7			0.00		0.00	mg/L
QV-H-4-WT	Water	S2210090	10/2/2022	Uranium	Total	5.27			0.00		0.00	mg/L
QV-H-8-WT	Water	S2210090	10/2/2022	Uranium	Total	5.17			0.00		0.00	mg/L
QV-L-30-WT	Water	S2209316	9/21/2022	Uranium	Dissolved	3.45			0.00		0.00	mg/L
QV-L-30-WT	Water	S2209316	9/21/2022	Uranium	Total	3.38			0.00		0.00	mg/L
QV-L-4-WT	Water	S2209316	9/20/2022	Uranium	Total	3.61			0.00		0.00	mg/L
QV-L-8-WT	Water	S2209316	9/20/2022	Uranium	Total	3.71			0.00		0.00	mg/L
QV-M-30-WT	Water	S2210090	10/1/2022	Uranium	Dissolved	1.95			0.00		0.00	mg/L
QV-M-30-WT	Water	S2210090	10/1/2022	Uranium	Total	2.15			0.00		0.00	mg/L
QV-M-4-WT	Water	S2210090	9/30/2022	Uranium	Total	3.87			0.00		0.00	mg/L
QV-M-8-WT	Water	S2210090	9/29/2022	Uranium	Total	3.65			0.00		0.00	mg/L
SW-WT-01	Water	S2210140	10/5/2022	Uranium	Total	0.008			0.00		0.00	mg/L
SW-WT-02	Water	S2210140	10/5/2022	Uranium	Total	0.007			0.00		0.00	mg/L
CR-MU-WT-01	Water	S2208484	8/24/2022	Vanadium	Dissolved	0.0162		J	0.000421		0.02	mg/L
CR-MU-WT-02	Water	S2208484	8/24/2022	Vanadium	Dissolved	0.0167		J	0.000421		0.02	mg/L
CR-MU-WT-01	Water	S2208484	8/24/2022	Zinc	Dissolved	0.0192		J	0.0113		0.05	mg/L
CR-MU-WT-02	Water	S2208484	8/24/2022	Zinc	Dissolved	0.0224		J	0.0113		0.05	mg/L

Notes:

The primary chemicals of concern are uranium and radium-226. Not all metals analytes are presented on this table.

Laboratory quality assurance and quality control samples are not presented. These data are available in laboratory data reports.

µg/L Microgram per liter

J Estimated result

mg/kg Milligram per kilogram

mg/L Milligram per liter

pCi/g Picocurie per gram

pCi/L Picocurie per liter

U Nondetected result