

Table E-1. Pace Analytical Results for Chemicals of Concern from Reconnaissance Survey

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-T-SL-01	Soil	S2205389	5/17/2022	Actinium-228	Total	0.7	0.5		0.2		0.2	pCi/g
CTS-M-T-SL-01	Soil	S2205389	5/17/2022	Actinium-228	Total	1.2	0.9		0.2		0.2	pCi/g
CTS-M-T-SL-02	Soil	S2205389	5/17/2022	Actinium-228	Total	0.4	0.5		0.2		0.2	pCi/g
QV-M-T-SL-01	Soil	S2205389	5/17/2022	Actinium-228	Total	0.8	0.8		0.2		0.2	pCi/g
CR-M-T-SL-01	Soil	S2205389	5/17/2022	Antimony	Total	1			0.214		1	mg/Kg
CTS-M-T-SL-01	Soil	S2205389	5/17/2022	Antimony	Total	1			0.214		1	mg/Kg
CTS-M-T-SL-02	Soil	S2205389	5/17/2022	Antimony	Total	1			0.214		1	mg/Kg
QV-M-T-SL-01	Soil	S2205389	5/17/2022	Antimony	Total	1			0.214		1	mg/Kg
CR-M-T-SL-01	Soil	S2205389	5/17/2022	Arsenic	Total	2.2			0.528		1.5	mg/Kg
CTS-M-T-SL-01	Soil	S2205389	5/17/2022	Arsenic	Total	2.3			0.528		1.5	mg/Kg
CTS-M-T-SL-02	Soil	S2205389	5/17/2022	Arsenic	Total	3.1			0.528		1.5	mg/Kg
QV-M-T-SL-01	Soil	S2205389	5/17/2022	Arsenic	Total	2.4			0.528		1.5	mg/Kg
CR-M-T-SL-01	Soil	S2205389	5/17/2022	Barium	Total	165			0.0399		1	mg/Kg
CTS-M-T-SL-01	Soil	S2205389	5/17/2022	Barium	Total	265			0.0399		1	mg/Kg
CTS-M-T-SL-02	Soil	S2205389	5/17/2022	Barium	Total	271			0.0399		1	mg/Kg
QV-M-T-SL-01	Soil	S2205389	5/17/2022	Barium	Total	77			0.0399		1	mg/Kg
CR-M-T-SL-01	Soil	S2205389	5/17/2022	Beryllium	Total	0.5			0.0176		0.5	mg/Kg
CTS-M-T-SL-01	Soil	S2205389	5/17/2022	Beryllium	Total	0.6			0.0176		0.5	mg/Kg
CTS-M-T-SL-02	Soil	S2205389	5/17/2022	Beryllium	Total	0.5			0.0176		0.5	mg/Kg
QV-M-T-SL-01	Soil	S2205389	5/17/2022	Beryllium	Total	0.5			0.0176		0.5	mg/Kg
CR-M-T-SL-01	Soil	S2205389	5/17/2022	Cadmium	Total	1.1			0.0375		1.1	mg/Kg
CTS-M-T-SL-01	Soil	S2205389	5/17/2022	Cadmium	Total	1.1			0.0375		1.1	mg/Kg
CTS-M-T-SL-02	Soil	S2205389	5/17/2022	Cadmium	Total	1.1			0.0375		1.1	mg/Kg
QV-M-T-SL-01	Soil	S2205389	5/17/2022	Cadmium	Total	1.1			0.0375		1.1	mg/Kg
CR-M-T-SL-01	Soil	S2205389	5/17/2022	Chromium	Total	32			1.74		5	mg/Kg
CTS-M-T-SL-01	Soil	S2205389	5/17/2022	Chromium	Total	20			1.74		5	mg/Kg
CTS-M-T-SL-02	Soil	S2205389	5/17/2022	Chromium	Total	18			1.74		5	mg/Kg
QV-M-T-SL-01	Soil	S2205389	5/17/2022	Chromium	Total	39			1.74		5	mg/Kg
CR-M-T-SL-01	Soil	S2205389	5/17/2022	Cobalt	Total	5			0.00986		5	mg/Kg
CTS-M-T-SL-01	Soil	S2205389	5/17/2022	Cobalt	Total	5			0.00986		5	mg/Kg
CTS-M-T-SL-02	Soil	S2205389	5/17/2022	Cobalt	Total	5			0.00986		5	mg/Kg
QV-M-T-SL-01	Soil	S2205389	5/17/2022	Cobalt	Total	5			0.00986		5	mg/Kg
CR-M-T-SL-01	Soil	S2205389	5/17/2022	Copper	Total	7			0.318		1	mg/Kg
CTS-M-T-SL-01	Soil	S2205389	5/17/2022	Copper	Total	6			0.318		1	mg/Kg
CTS-M-T-SL-02	Soil	S2205389	5/17/2022	Copper	Total	5			0.318		1	mg/Kg
QV-M-T-SL-01	Soil	S2205389	5/17/2022	Copper	Total	6			0.318		1	mg/Kg
CR-M-T-SL-01	Soil	S2205389	5/17/2022	Lead	Total	6			0.0279		1	mg/Kg
CTS-M-T-SL-01	Soil	S2205389	5/17/2022	Lead	Total	7			0.0279		1	mg/Kg
CTS-M-T-SL-02	Soil	S2205389	5/17/2022	Lead	Total	7			0.0279		1	mg/Kg
QV-M-T-SL-01	Soil	S2205389	5/17/2022	Lead	Total	6			0.0279		1	mg/Kg
CR-M-T-SL-01	Soil	S2205389	5/17/2022	Manganese	Total	156			0.216		1	mg/Kg
CTS-M-T-SL-01	Soil	S2205389	5/17/2022	Manganese	Total	358			0.216		1	mg/Kg

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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-M-T-SL-02	Soil	S2205389	5/17/2022	Manganese	Total	341			0.216		1	mg/Kg
QV-M-T-SL-01	Soil	S2205389	5/17/2022	Manganese	Total	150			0.216		1	mg/Kg
CR-M-T-SL-01	Soil	S2205389	5/17/2022	Molybdenum	Total	5			0.079		5	mg/Kg
CTS-M-T-SL-01	Soil	S2205389	5/17/2022	Molybdenum	Total	5			0.079		5	mg/Kg
CTS-M-T-SL-02	Soil	S2205389	5/17/2022	Molybdenum	Total	5			0.079		5	mg/Kg
QV-M-T-SL-01	Soil	S2205389	5/17/2022	Molybdenum	Total	6			0.079		5	mg/Kg
CR-M-T-SL-01	Soil	S2205389	5/17/2022	Nickel	Total	23			0.513		5	mg/Kg
CTS-M-T-SL-01	Soil	S2205389	5/17/2022	Nickel	Total	16			0.513		5	mg/Kg
CTS-M-T-SL-02	Soil	S2205389	5/17/2022	Nickel	Total	14			0.513		5	mg/Kg
QV-M-T-SL-01	Soil	S2205389	5/17/2022	Nickel	Total	27			0.513		5	mg/Kg
CR-M-T-SL-01	Soil	S2205389	5/17/2022	Radium-226	Total	11.4	0.8		0.2		0.2	pCi/g
CTS-M-T-SL-01	Soil	S2205389	5/17/2022	Radium-226	Total	92.6	2.4		0.2		0.2	pCi/g
CTS-M-T-SL-02	Soil	S2205389	5/17/2022	Radium-226	Total	11.9	1		0.2		0.2	pCi/g
QV-M-T-SL-01	Soil	S2205389	5/17/2022	Radium-226	Total	64.5	2.1		0.2		0.2	pCi/g
CR-M-T-SL-01	Soil	S2205389	5/17/2022	Selenium	Total	42			0.505		5	mg/Kg
CTS-M-T-SL-01	Soil	S2205389	5/17/2022	Selenium	Total	5			0.505		5	mg/Kg
CTS-M-T-SL-02	Soil	S2205389	5/17/2022	Selenium	Total	5			0.505		5	mg/Kg
QV-M-T-SL-01	Soil	S2205389	5/17/2022	Selenium	Total	18			0.505		5	mg/Kg
CR-M-T-SL-01	Soil	S2205389	5/17/2022	Silver	Total	1			0.034		1	mg/Kg
CTS-M-T-SL-01	Soil	S2205389	5/17/2022	Silver	Total	1			0.034		1	mg/Kg
CTS-M-T-SL-02	Soil	S2205389	5/17/2022	Silver	Total	1			0.034		1	mg/Kg
QV-M-T-SL-01	Soil	S2205389	5/17/2022	Silver	Total	1			0.034		1	mg/Kg
CR-M-T-SL-01	Soil	S2205389	5/17/2022	Thallium	Total	10			0.0557		10	mg/Kg
CTS-M-T-SL-01	Soil	S2205389	5/17/2022	Thallium	Total	10			0.0557		10	mg/Kg
CTS-M-T-SL-02	Soil	S2205389	5/17/2022	Thallium	Total	10			0.0557		10	mg/Kg
QV-M-T-SL-01	Soil	S2205389	5/17/2022	Thallium	Total	10			0.0557		10	mg/Kg
CR-M-T-SL-01	Soil	S2205389	5/17/2022	Uranium	Total	204			0.00311		1	mg/Kg
CTS-M-T-SL-01	Soil	S2205389	5/17/2022	Uranium	Total	43			0.00311		1	mg/Kg
CTS-M-T-SL-02	Soil	S2205389	5/17/2022	Uranium	Total	52			0.00311		1	mg/Kg
QV-M-T-SL-01	Soil	S2205389	5/17/2022	Uranium	Total	75			0.00311		1	mg/Kg
CR-M-T-SL-01	Soil	S2205389	5/17/2022	Vanadium	Total	72			1.1		5	mg/Kg
CTS-M-T-SL-01	Soil	S2205389	5/17/2022	Vanadium	Total	174			1.1		5	mg/Kg
CTS-M-T-SL-02	Soil	S2205389	5/17/2022	Vanadium	Total	188			1.1		5	mg/Kg
QV-M-T-SL-01	Soil	S2205389	5/17/2022	Vanadium	Total	48			1.1		5	mg/Kg
CR-M-T-WT-PR-01	Water	S2207028	6/30/2022	Aluminum	Total	0.1		U	0.0917		0.1	mg/L
CTS-M-T-WT-PR-01	Water	S2207028	6/30/2022	Aluminum	Total	0.1		U	0.0917		0.1	mg/L
QV-M-T-WT-PR-01	Water	S2207028	6/30/2022	Aluminum	Total	0.1		U	0.0917		0.1	mg/L
CR-M-T-WT-PR-01	Water	S2207028	6/30/2022	Antimony	Total	0.00075		J	0.000145		0.005	mg/L
CTS-M-T-WT-PR-01	Water	S2207028	6/30/2022	Antimony	Total	0.0003		J	0.000145		0.005	mg/L
QV-M-T-WT-PR-01	Water	S2207028	6/30/2022	Antimony	Total	0.00058		J	0.000145		0.005	mg/L
CR-M-T-WT-PR-01	Water	S2207028	6/30/2022	Arsenic	Total	0.0021		J	0.000209		0.005	mg/L
CTS-M-T-WT-PR-01	Water	S2207028	6/30/2022	Arsenic	Total	0.005			0.000209		0.005	mg/L

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QV-M-T-WT-PR-01	Water	S2207028	6/30/2022	Arsenic	Total	0.00269		J	0.000209		0.005	mg/L
CR-M-T-WT-PR-01	Water	S2207028	6/30/2022	Barium	Total	0.064			0.000424		0.005	mg/L
CTS-M-T-WT-PR-01	Water	S2207028	6/30/2022	Barium	Total	0.136			0.000424		0.005	mg/L
QV-M-T-WT-PR-01	Water	S2207028	6/30/2022	Barium	Total	0.051			0.000424		0.005	mg/L
CR-M-T-WT-PR-01	Water	S2207028	6/30/2022	Beryllium	Total	0.001		U	0.000338		0.001	mg/L
CTS-M-T-WT-PR-01	Water	S2207028	6/30/2022	Beryllium	Total	0.001		U	0.000338		0.001	mg/L
QV-M-T-WT-PR-01	Water	S2207028	6/30/2022	Beryllium	Total	0.001		U	0.000338		0.001	mg/L
CR-M-T-WT-PR-01	Water	S2207028	6/30/2022	Cadmium	Total	0.002		U	0.0000474		0.002	mg/L
CTS-M-T-WT-PR-01	Water	S2207028	6/30/2022	Cadmium	Total	0.002		U	0.0000474		0.002	mg/L
QV-M-T-WT-PR-01	Water	S2207028	6/30/2022	Cadmium	Total	7.3E-05		J	0.0000474		0.002	mg/L
CR-M-T-WT-PR-01	Water	S2207028	6/30/2022	Calcium	Total	52.4			0.0932		0.2	mg/L
CTS-M-T-WT-PR-01	Water	S2207028	6/30/2022	Calcium	Total	62.1			0.0932		0.2	mg/L
QV-M-T-WT-PR-01	Water	S2207028	6/30/2022	Calcium	Total	51.1			0.0932		0.2	mg/L
CR-M-T-WT-PR-01	Water	S2207028	6/30/2022	Chromium	Total	0.00112		J	0.0011		0.005	mg/L
CTS-M-T-WT-PR-01	Water	S2207028	6/30/2022	Chromium	Total	0.005		U	0.0011		0.005	mg/L
QV-M-T-WT-PR-01	Water	S2207028	6/30/2022	Chromium	Total	0.005		U	0.0011		0.005	mg/L
CR-M-T-WT-PR-01	Water	S2207028	6/30/2022	Cobalt	Total	0.01		U	0.00178		0.01	mg/L
CTS-M-T-WT-PR-01	Water	S2207028	6/30/2022	Cobalt	Total	0.01		U	0.00178		0.01	mg/L
QV-M-T-WT-PR-01	Water	S2207028	6/30/2022	Cobalt	Total	0.01		U	0.00178		0.01	mg/L
CR-M-T-WT-PR-01	Water	S2207028	6/30/2022	Copper	Total	0.02			0.00103		0.01	mg/L
CTS-M-T-WT-PR-01	Water	S2207028	6/30/2022	Copper	Total	0.01			0.00103		0.01	mg/L
QV-M-T-WT-PR-01	Water	S2207028	6/30/2022	Copper	Total	0.01			0.00103		0.01	mg/L
CR-M-T-WT-PR-01	Water	S2207028	6/30/2022	Iron	Total	0.0186		J	0.00462		0.05	mg/L
CTS-M-T-WT-PR-01	Water	S2207028	6/30/2022	Iron	Total	0.05		U	0.00462		0.05	mg/L
QV-M-T-WT-PR-01	Water	S2207028	6/30/2022	Iron	Total	0.0114		J	0.00462		0.05	mg/L
CR-M-T-WT-PR-01	Water	S2207028	6/30/2022	Lead	Total	0.0005		J	0.000158		0.001	mg/L
CTS-M-T-WT-PR-01	Water	S2207028	6/30/2022	Lead	Total	0.001		U	0.000158		0.001	mg/L
QV-M-T-WT-PR-01	Water	S2207028	6/30/2022	Lead	Total	0.00019		J	0.000158		0.001	mg/L
CR-M-T-WT-PR-01	Water	S2207028	6/30/2022	Magnesium	Total	18			0.167		2	mg/L
CTS-M-T-WT-PR-01	Water	S2207028	6/30/2022	Magnesium	Total	19			0.167		2	mg/L
QV-M-T-WT-PR-01	Water	S2207028	6/30/2022	Magnesium	Total	20			0.167		2	mg/L
CR-M-T-WT-PR-01	Water	S2207028	6/30/2022	Manganese	Total	0.00406		J	0.00116		0.005	mg/L
CTS-M-T-WT-PR-01	Water	S2207028	6/30/2022	Manganese	Total	0.005		U	0.00116		0.005	mg/L
QV-M-T-WT-PR-01	Water	S2207028	6/30/2022	Manganese	Total	0.00147		J	0.00116		0.005	mg/L
CR-M-T-WT-PR-01	Water	S2207028	6/30/2022	Molybdenum	Total	0.03			0.000706		0.02	mg/L
CTS-M-T-WT-PR-01	Water	S2207028	6/30/2022	Molybdenum	Total	0.00652		J	0.000706		0.02	mg/L
QV-M-T-WT-PR-01	Water	S2207028	6/30/2022	Molybdenum	Total	0.0168		J	0.000706		0.02	mg/L
CR-M-T-WT-PR-01	Water	S2207028	6/30/2022	Nickel	Total	0.01		U	0.00252		0.01	mg/L
CTS-M-T-WT-PR-01	Water	S2207028	6/30/2022	Nickel	Total	0.01		U	0.00252		0.01	mg/L
QV-M-T-WT-PR-01	Water	S2207028	6/30/2022	Nickel	Total	0.01		U	0.00252		0.01	mg/L
CR-M-T-WT-PR-01	Water	S2207028	6/30/2022	Radium-226 (Dissolved)	Total	22.5	0.6		0.2	0.3	0.2	pCi/L
CTS-M-T-WT-PR-01	Water	S2207028	6/30/2022	Radium-226 (Dissolved)	Total	6	0.4		0.2	0.2	0.2	pCi/L

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QV-M-T-WT-PR-01	Water	S2207028	6/30/2022	Radium-226 (Dissolved)	Total	16.5	0.5		0.2	0.2	0.2	pCi/L
CR-M-T-WT-PR-01	Water	S2207028	6/30/2022	Selenium	Total	0.013			0.0000896		0.005	mg/L
CTS-M-T-WT-PR-01	Water	S2207028	6/30/2022	Selenium	Total	0.0047		J	0.0000896		0.005	mg/L
QV-M-T-WT-PR-01	Water	S2207028	6/30/2022	Selenium	Total	0.012			0.0000896		0.005	mg/L
CR-M-T-WT-PR-01	Water	S2207028	6/30/2022	Silver	Total	0.003		U	0.000206		0.003	mg/L
CTS-M-T-WT-PR-01	Water	S2207028	6/30/2022	Silver	Total	0.003		U	0.000206		0.003	mg/L
QV-M-T-WT-PR-01	Water	S2207028	6/30/2022	Silver	Total	0.003		U	0.000206		0.003	mg/L
CR-M-T-WT-PR-01	Water	S2207028	6/30/2022	Sodium	Total	68			1.99		2	mg/L
CTS-M-T-WT-PR-01	Water	S2207028	6/30/2022	Sodium	Total	64			1.99		2	mg/L
QV-M-T-WT-PR-01	Water	S2207028	6/30/2022	Sodium	Total	68			1.99		2	mg/L
CR-M-T-WT-PR-01	Water	S2207028	6/30/2022	Thallium	Total	0.001		U	0.000223		0.001	mg/L
CTS-M-T-WT-PR-01	Water	S2207028	6/30/2022	Thallium	Total	0.001		U	0.000223		0.001	mg/L
QV-M-T-WT-PR-01	Water	S2207028	6/30/2022	Thallium	Total	0.001		U	0.000223		0.001	mg/L
CR-M-T-WT-PR-01	Water	S2207028	6/30/2022	Thorium	Total	0.1		U	0.0268		0.1	mg/L
CTS-M-T-WT-PR-01	Water	S2207028	6/30/2022	Thorium	Total	0.1		U	0.0268		0.1	mg/L
QV-M-T-WT-PR-01	Water	S2207028	6/30/2022	Thorium	Total	0.1		U	0.0268		0.1	mg/L
CR-M-T-WT-PR-01	Water	S2207028	6/30/2022	Uranium	Total	1.01			0.0000117		0.001	mg/L
CTS-M-T-WT-PR-01	Water	S2207028	6/30/2022	Uranium	Total	0.099			0.0000117		0.001	mg/L
QV-M-T-WT-PR-01	Water	S2207028	6/30/2022	Uranium	Total	0.596			0.0000117		0.001	mg/L
CR-M-T-WT-PR-01	Water	S2207028	6/30/2022	Vanadium	Total	0.02			0.000322		0.02	mg/L
CTS-M-T-WT-PR-01	Water	S2207028	6/30/2022	Vanadium	Total	1.32			0.000322		0.02	mg/L
QV-M-T-WT-PR-01	Water	S2207028	6/30/2022	Vanadium	Total	0.0133		J	0.000322		0.02	mg/L
CR-M-T-WT-PR-01	Water	S2207028	6/30/2022	Zinc	Total	0.02		U	0.0134		0.02	mg/L
CTS-M-T-WT-PR-01	Water	S2207028	6/30/2022	Zinc	Total	0.02		U	0.0134		0.02	mg/L
QV-M-T-WT-PR-01	Water	S2207028	6/30/2022	Zinc	Total	0.02		U	0.0134		0.02	mg/L

Notes:

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

- 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