

TABLE 4
Additional Inorganic Analytes - Soil Samples
T016 Grid Sampling 5/14

lab sdg	lab sdg
L1858929	L1858929
L1858935	L1858935

Notes:

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 Uranium-238 is measured by its daughter isotope, Thorium-234.
 Radium-228 is measured by its daughter isotope, Actinium-228.
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ECMC = Colorado Energy and Carbon Management Commission
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Data Qualifiers

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Sample ID	Location	Sample Date	Depth	Sample Purpose	SM2540G	WBLACK	E901.1					SW6010	
					TOTAL SOLIDS	TOTAL ORGANIC CARBON	226RADIUM	ACTINIUM-228 (RA-228)	BISMUTH-214 (RA-226)	LEAD-214	THORIUM-234 (U-238)	ALUMINIUM	BERYLLIUM
					%	mg/kg	pCi/g	pCi/g	pCi/g	pCi/g	pCi/g	mg/kg	mg/kg
EPA Residential Soil Screening Level (RSSL)					NE	NE	NE	NE	NE	NE	NE	77000	160
EPA Protection of Groundwater Soil Screening Levels for Resident Soil to Groundwater: (M)CL-based and (R)isk-based					NE	NE	NE	NE	NE	NE	NE	30000 (R)	3.2 (M)
GACO0514T016C001	T016S001	05/14/2025	0-0.5 feet	Assessment/Delineation	87.9	10100 J	1.18 U	1.04	0.823	0.715	0.949 U	3810	0.381
GACO0514T016S001	T016S001	05/14/2025	0-0.5 feet	Assessment/Delineation	89.2	21900 J	0.615 U	0.695 U	0.671	0.8	1 U	4770	0.407
GACO0514T016S002	T016S002	05/14/2025	0-0.5 feet	Assessment/Delineation	81.3	22600	1.46	0.935	0.52	0.955	1.22 U	4150	0.463

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					CALCIUM	COBALT	IRON	MAGNESIUM	MANGANESE	POTASSIUM	SODIUM	VANADIUM	TOTAL KJELDAHL NITROGEN
					mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
EPA Residential Soil Screening Level (RSSL)					NE	23	55000	NE	1800	NE	NE	390	NE
EPA Protection of Groundwater Soil Screening Levels for Resident Soil to Groundwater: (M)CL-based and (R)isk-based					NE	0.27 (R)	350 (R)	NE	28 (R)	NE	NE	86 (R)	NE
GACO0514T016C001	T016S001	05/14/2025	0-0.5 feet	Assessment/Delineation	11400 J	3.69	6360	2390	228	1480	1080 J	12.5	1030 J
GACO0514T016S001	T016S001	05/14/2025	0-0.5 feet	Assessment/Delineation	6560 J	3.7	6370	2620	189	2070	617 J	11.8	1860 J
GACO0514T016S002	T016S002	05/14/2025	0-0.5 feet	Assessment/Delineation	6200	3.61	6540	2130	88.4	1700	138	11.4	1810

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Sample ID	Location	Sample Date	Depth	Sample Purpose	SW9056	CALC
					NITRATE/NITRITE	TOTAL NITROGEN
					mg/kg	mg/kg
EPA Residential Soil Screening Level (RSSL)					NE	NE
EPA Protection of Groundwater Soil Screening Levels for Resident Soil to Groundwater: (M)CL-based and (R)isk-based					NE	NE
GACO0514T016C001	T016S001	05/14/2025	0-0.5 feet	Assessment/Delineation	38	1060 J
GACO0514T016S001	T016S001	05/14/2025	0-0.5 feet	Assessment/Delineation	38.6	1900 J
GACO0514T016S002	T016S002	05/14/2025	0-0.5 feet	Assessment/Delineation	41	1850

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