

TABLE 4  
Additional Inorganic Analytes - Soil Samples  
T119 Grid Sampling 5/23

lab sdg	lab sdg
L1862704	L1862704
L1862705	L1862705

**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  
 mg/kg = Milligrams per kilogram  
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**Data Qualifiers**

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**T119 Grid Sampling 5/23**

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
<b>EPA Residential Soil Screening Level (RSSL)</b>					<b>NE</b>	<b>NE</b>	<b>NE</b>	<b>NE</b>	<b>NE</b>	<b>NE</b>	<b>NE</b>	<b>77000</b>	<b>160</b>
<b>EPA Protection of Groundwater Soil Screening Levels for Resident Soil to Groundwater: (M)CL-based and (R)isk-based</b>					<b>NE</b>	<b>NE</b>	<b>NE</b>	<b>NE</b>	<b>NE</b>	<b>NE</b>	<b>NE</b>	<b>30000 (R)</b>	<b>3.2 (M)</b>
GACO0523T119S001	T119S001	05/23/2025	0-0.5 feet	Assessment/Delineation	95.7	25400	0.905 U	0.975	0.963	1.06	1.07 U	5570	0.505

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					CALCIUM	CHROMIUM	COBALT	IRON	MAGNESIUM	MANGANESE	POTASSIUM	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	NE	23	55000	NE	1800	NE	390	NE
EPA Protection of Groundwater Soil Screening Levels for Resident Soil to Groundwater: (M)CL-based and (R)isk-based					NE	180000 (M)	0.27 (R)	350 (R)	NE	28 (R)	NE	86 (R)	NE
GACO0523T119S001	T119S001	05/23/2025	0-0.5 feet	Assessment/Delineation	5120	6.3	4.59	10500	2340	294	2520	15	1250

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					TOTAL NITROGEN
					mg/kg
<b>EPA Residential Soil Screening Level (RSSL)</b>					<b>NE</b>
<b>EPA Protection of Groundwater Soil Screening Levels for Resident Soil to Groundwater: (M)CL-based and (R)isk-based</b>					<b>NE</b>
GACO0523T119S001	T119S001	05/23/2025	0-0.5 feet	Assessment/Delineation	1260 J

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