

TABLE 4  
 Additional Inorganic Analytes - Soil Samples  
 T172-1 Preliminary Sampling 6/03

|          |          |
|----------|----------|
| lab sdg  | lab sdg  |
| L1865600 | L1865600 |

**Notes:**

Bold and Pink or Blue highlighted soil analytical values indicate an exceedance of the referenced soil screening level (SSL).  
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 Inorganic SSLs are based on target cancer risk (TR) of 10-6 (OR 1E-06) and target hazard quotient (THQ) of 1.0.  
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 Italic values indicate that the laboratory-reported method detection limit and/or quantitation limit associated with the non-detected result is higher than the threshold concentration.  
 Sampling and analysis is being performed in accordance with the approved ESAP.  
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 (DUP) indicates Field Duplicate Samples.  
 Uranium-238 is measured by its daughter isotope, Thorium-234.  
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**Data Qualifiers**

U: The analyte was analyzed for, but was not detected above the level of the adjusted detection limit or quantitation limit, as appropriate, or was observed in a blank at a similar level.  
 R: The data are unusable. The sample results are rejected due to serious deficiencies in meeting QC criteria. The analyte may or may not be present in the sample.  
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**Units:**

mg/kg = Milligrams per kilogram  
 mg/L = Milligrams per Liter  
 pCi/g = picocuries per gram

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**T172-1 Preliminary Sampling 6/03**

| 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> |
| GACO0603T172-1S001  | T172-1S001 | 06/03/2025  | 0-0.5 feet | Assessment/Delineation | 73.7         | 39000                | 1.21 U    | 0.898                 | 0.588                | 0.624     | -1.63 U             | 4660 J           | 0.546 J        |

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|---|------------|-------------|------------|------------------------|---------|------------|---------------|---------------|-----------|--------------|-----------|--------|----------|
|   |            |             |            |                        | CALCIUM | CHROMIUM   | COBALT        | IRON          | MAGNESIUM | MANGANESE    | POTASSIUM | SODIUM | VANADIUM |
|   |            |             |            |                        | mg/kg   | mg/kg      | mg/kg         | mg/kg         | mg/kg     | mg/kg        | mg/kg     | mg/kg  | mg/kg    |
| <b>EPA Residential Soil Screening Level (RSSL)</b>  |            |             |            |                        | NE      | NE         | 23            | 55000         | NE        | 1800         | NE        | NE     | 390      |
| <b>EPA Protection of Groundwater Soil Screening Levels for Resident Soil to Groundwater: (M)CL-based and (R)isk-based</b> |            |             |            |                        | NE      | 180000 (M) | 0.27 (R)      | 350 (R)       | NE        | 28 (R)       | NE        | NE     | 86 (R)   |
| GACO0603T172-1S001  | T172-1S001 | 06/03/2025  | 0-0.5 feet | Assessment/Delineation | 11500 J | 6.2 J      | <b>4.74 J</b> | <b>7970 J</b> | 3090 J    | <b>378 J</b> | 3300 J    | 301 J  | 13.5 J   |

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| Sample ID   | Location   | Sample Date | Depth      | Sample Purpose         | SM4500-NORG-D           | SW9056          | CALC           |
|---|------------|-------------|------------|------------------------|-------------------------|-----------------|----------------|
|   |            |             |            |                        | TOTAL KJELDAHL NITROGEN | NITRATE/NITRITE | TOTAL NITROGEN |
|   |            |             |            |                        | mg/kg                   | mg/kg           | mg/kg          |
| <b>EPA Residential Soil Screening Level (RSSL)</b>  |            |             |            |                        | <b>NE</b>               | <b>NE</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>               | <b>NE</b>       | <b>NE</b>      |
| GACO0603T172-1S001  | T172-1S001 | 06/03/2025  | 0-0.5 feet | Assessment/Delineation | 3460                    | 161             | 3630           |

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