

**FOUNDATION ENERGY INC.
Groseclose 32-30**

**FORM 27 SUPPLEMENTAL
SECOND QUARTER 2023 RESUBMISSION - SOIL SAMPLING SUMMARY REPORT**

ATTACHMENTS

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- 1 Volatile Organic Compound Soil Analytical Results
- 2 Soil Suitability and Metals Soil Analytical Results
- 3 Site-Specific Sampling and Analysis Plan – Soil

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- A CDPHE Arsenic Guidelines
- B Site Photo Log
- C Summit Scientific Laboratory Reports:
-2306661F (Soil)

Attachments

- A 2Q23 Conditions of Approval - Responses and Additional Information



Arsenic Concentrations in Soil

Risk management guidance for evaluating

reviewed/ revised July 2014

Regulatory Limitation

This guidance does not modify, replace, or pre-empt any existing statutory or regulatory requirements, enforcement actions, agreements, policies or other legal mechanisms that may govern actions within the Hazardous Materials and Waste Management Division’s (the “division’s”) various remedial programs. In the event of a conflict between this guidance and existing risk assessment guidance and other programmatic requirements, this guidance defers to the various legal and operating mechanisms of those remedial programs.

This guidance was developed with the division’s remedial programs in mind. Other state and federal agencies are not obligated to use the process outlined herein, although the same analysis could apply to other sites undergoing investigation and cleanup where testing for arsenic is required and it may be present in sampled environmental media. Parties wanting to use this guidance at their site must seek approval to do so from the regulatory agency responsible for overseeing their remedial activities.

Purpose

The division has prepared this guidance for the purpose of making preliminary determinations when screening data collected from sites that don’t necessarily have a reason to believe arsenic contamination may be present, such as a routine Phase II investigation conducted prior to a property transaction. This guidance is simply meant to inform the regulated community of their responsibilities in managing arsenic risks: it is not regulation, nor does it constitute an enforceable standard that must be complied with.

Background

Arsenic is naturally occurring in some geologic environments in Colorado due to weathering and erosion of bedrock and soil, including highly mineralized areas that are mined for metal ores. It is present in more than 200 different minerals, the most common of which is called [arsenopyrite](#). It may also be present in the environment due to a number of anthropogenic activities including: military operations and firing ranges; mining, especially sulfide ores; smelting copper, gold and lead ores; preservation of wood (CCA); chicken feed operations and associated manures (CAFO) due to arsenic-containing growth promoters; tanning and taxidermy operations; coal-burning emissions and ash-derived residues from power plants; and may be present in landfills and landfill-derived leachate. Arsenic may also be found due to the manufacture, use and disposal of: ammunition; fireworks; pigments (paint, paper, ceramics, etc.); older herbicides, insecticides, and pesticides (examples: monosodium methanearsonate (MSMA), disodium methanearsonate (DSMA) and lead-arsenate); electronics containing Gallium-Arsenide-Selenium (GAS) semi-conductors; lead acid battery plates; glass; and some pharmaceuticals. Other anthropogenic arsenic sources may likely exist. Arsenic contamination in soil is of public health concern due to its toxic effects as a carcinogen and a non-carcinogen. Making risk management decisions about arsenic can be difficult because natural occurring concentrations in soil often exceed carcinogenic risk based exposure values.

This guidance was prepared by the division using a data set of background arsenic concentrations developed by the U.S. EPA Region 8. The data set includes over 2,700 samples from 44 counties in Colorado. The areas sampled included: native grasslands; agricultural areas; urban mixed land use; and mining. A summary of the data set is presented in the table below. The complete data set may be found on the U.S. EPA Region 8’s website at <http://www2.epa.gov/region8/hh-exposure-assessment>.

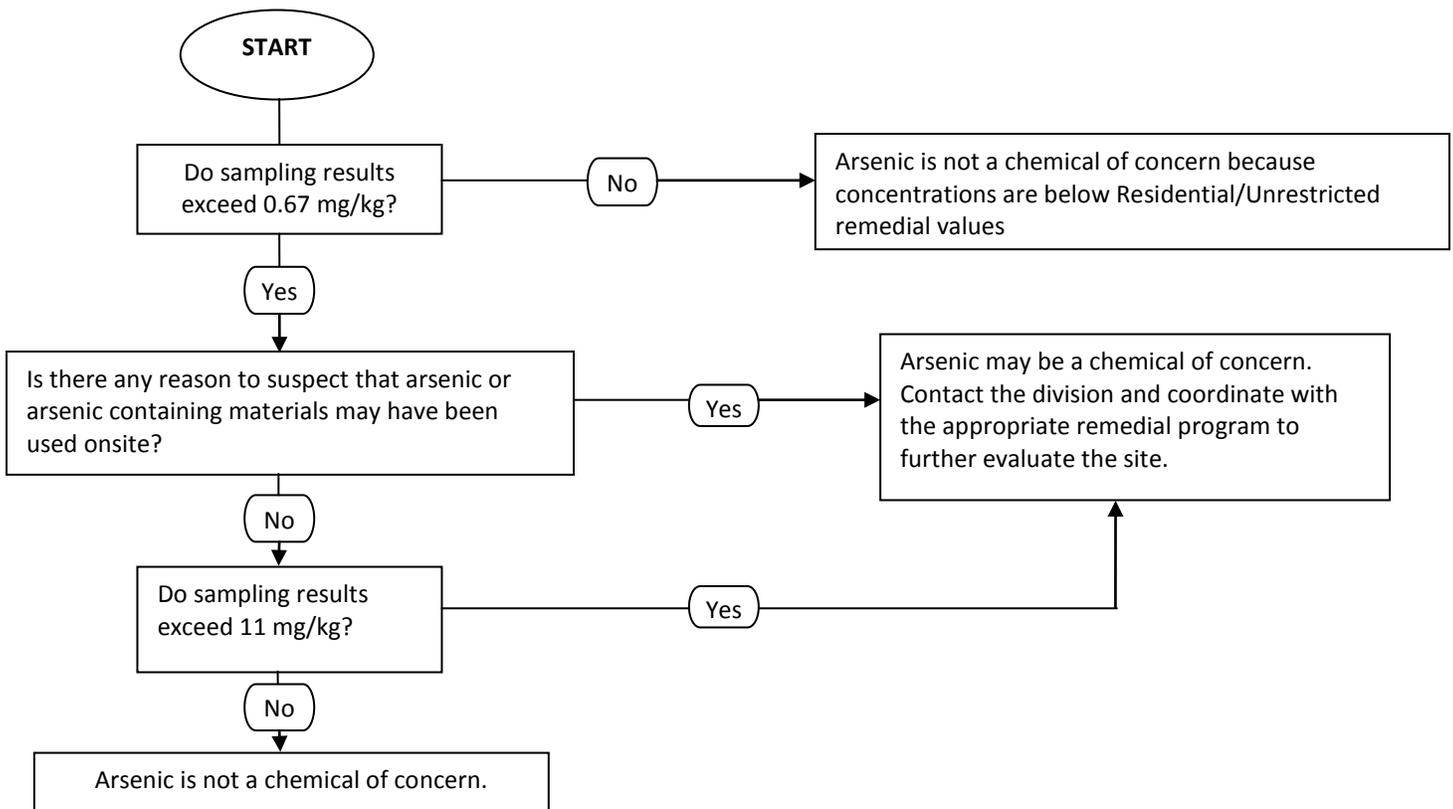
Region 8 U.S. EPA 95% UCLM Background Soil Arsenic Concentrations in Colorado

| Land Use | Concentration (mg/kg) |
|---|-----------------------|
| Native Grassland, Rangeland, or Agriculture | 3-14 |
| Urban Mixed Use | 6-19 |
| Mining | 10 |
| Average of all land uses | 11 |

Division Guidance Regarding Background Arsenic Concentration

The division's approach to evaluating arsenic in soil is depicted in the following flowchart. This guidance assumes that, based upon the size, history and environmental concerns associated with a particular site, an adequate amount of arsenic data has been obtained to make a determination regarding arsenic concentrations in soil. It isn't meant to be a guide on how to conduct a background study for risk assessment and/or site closure purposes. Guidance on the subject of data collection and analysis needs for conducting a background study should be sought from other published sources. Soil samples should be collected and analyzed for arsenic if the site history suggests it may be present as a result of anthropogenic activities. However, since arsenic is one of the chemicals included as part of a standard "metals" analysis package from a laboratory, you may already have obtained arsenic data for your site.

The current residential/unrestricted land use remedial objective for inorganic arsenic is 0.67 mg/kg (U.S. EPA regional screening level). If arsenic concentrations at your site are lower than 0.67 mg/kg, the division will require no further action to address arsenic in soil. If arsenic concentrations are lower than 11 mg/kg (the average of the 95% UCLM of background concentrations found by the U.S. EPA in Colorado), and releases of arsenic could not have occurred at the site, based on historical data or process knowledge, the division will require no further action to address arsenic in soil. If arsenic concentrations are greater than 0.67 mg/kg, and the available information suggests that a release of arsenic could have occurred at the site, the division will require additional evaluation of the data and possibly additional sampling to determine whether corrective measures for arsenic are required. This evaluation may include a site specific background study with sampling from offsite locations, and/or additional sampling in areas of the site where activities that could have contributed to environmental contamination never occurred. Please consult with the division prior to performing any background study. If it can be demonstrated that arsenic concentrations in soil are unrelated to site activities, the division will require no further action regarding arsenic. It should be noted that material such as arsenic-bearing mine tailings or oil and gas drill cuttings, although derived from a naturally occurring source material, are not considered to be naturally occurring background once they have been generated through human activity. Therefore, mine tailings and drill cuttings may be subject to remediation if ecological or health-based concentrations are exceeded.



For more information please contact:

Colorado Department of Public Health and Environment
Hazardous Materials and Waste Management Division
4300 Cherry Creek Drive South
Denver, Colorado 80246-1530

Customer Technical Assistance Line:
(303) 692-3320
(888) 569-1831 ext. 3320 toll-free
E-mail: comments.hmwmd@state.co.us
Website: www.colorado.gov/cdphe/hm







Groseclose 32-30 - Looking South

Photographic Log







Summit Scientific

4653 Table Mountain Drive, Golden, Colorado 80403

303.277.9310

August 10, 2023

Jeb Watts

Tasman Geosciences

6855 W. 119th Ave.

Broomfield, CO 80020

RE: Groseclose

Work Order #2306661

Enclosed are the results of analyses for samples received by Summit Scientific on 06/30/23 12:10. If you have any questions concerning this report, please feel free to contact me.

Sincerely,



Mikayla Axtell For Paul Shrewsbury
President



Tasman Geosciences
6855 W. 119th Ave.
Broomfield CO, 80020

Project: Groseclose
Project Number: [none]
Project Manager: Jeb Watts

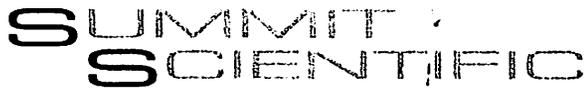
Reported:
08/10/23 10:08

ANALYTICAL REPORT FOR SAMPLES

| Sample ID | Laboratory ID | Matrix | Date Sampled | Date Received |
|-----------------------------|---------------|--------|----------------|----------------|
| Tank@12-24"-Groseclose | 2306661-01 | Soil | 06/29/23 10:50 | 06/30/23 12:10 |
| Separator@12-24"-Groseclose | 2306661-03 | Soil | 06/29/23 10:37 | 06/30/23 12:10 |
| HA-1@12-24"-Groseclose | 2306661-05 | Soil | 06/29/23 10:57 | 06/30/23 12:10 |
| HA-2@12-24"-Groseclose | 2306661-07 | Soil | 06/29/23 11:02 | 06/30/23 12:10 |
| HA-3@12-24"-Groseclose | 2306661-09 | Soil | 06/29/23 11:07 | 06/30/23 12:10 |

Summit Scientific

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.



4653 Table Mountain Drive
Golden, CO 80403
303-277-9310

| | |
|---------|-------------|
| Lab ID | Page 1 of 1 |
| 2306061 | |

| | | | |
|---------------------------------------|---|------------------------|--|
| Send Data To: | | Send Invoice To: | |
| Client: Tasman Geosciences | Project Manager: Jeb Watts / Atton Iams | Company: | |
| Address: 6855 W 119th Ave | E-Mail: jwatts@tasman-geo.com | Project Name/Location: | |
| City/State/Zip: Broomfield, CO, 80020 | aiiams@foundationenergy.com | AFE#: | |
| Phone: 303-487-1228 | Project Name: Groseclose | PO/Billing Codes: | |
| Sampler Name: Keegan Macdonald | Project Number: | Contact: | |

| ID | Sample Description | Date Sampled | Time Sampled | # of containers | Preservative | | | | Matrix | | | Analysis Requested | | | | Special Instructions | |
|----|---------------------------------|--------------|--------------|-----------------|--------------|------|------|-------|--------|------|----------------|--------------------|------------|----------------------|---------|----------------------|--------------|
| | | | | | HCl | HNO3 | None | Other | Water | Soil | Air-Canister # | Other | 915 Metals | 915 Soil Suitability | 915 TPH | | 915 Organics |
| 1 | Tank @ 12-24" - Groseclose | 6/29 | 10:50 | 2 | | | X | | | X | | | X | X | X | H | |
| 2 | Tank @ 24-36" - Groseclose | | 10:51 | | | | | | | | | | H | H | H | | |
| 3 | Separator @ 12-24" - Groseclose | | 10:37 | | | | | | | | | | X | X | X | | |
| 4 | Separator @ 24-36" - Groseclose | | 10:38 | | | | | | | | | | H | H | H | | |
| 5 | HA-1 @ 12-24" - Groseclose | | 10:57 | | | | | | | | | | X | X | X | | |
| 6 | HA-1 @ 24-36" - Groseclose | | 10:58 | | | | | | | | | | H | H | H | | |
| 7 | HA-2 @ 12-24" - Groseclose | | 11:02 | | | | | | | | | | X | X | X | | |
| 8 | HA-2 @ 24-36" - Groseclose | | 11:03 | | | | | | | | | | H | H | H | | |
| 9 | HA-3 @ 12-24" - Groseclose | | 11:07 | | | | | | | | | | X | X | X | | |
| 10 | HA-3 @ 24-36" - Groseclose | | 11:08 | | | | | | | | | | H | H | H | | |
| 11 | | | | | | | | | | | | | | | | | |
| 12 | | | | | | | | | | | | | | | | | |
| 13 | | | | | | | | | | | | | | | | | |
| 14 | | | | | | | | | | | | | | | | | |
| 15 | | | | | | | | | | | | | | | | | |

| | | | | | | |
|-----------------------------------|-----------------------|------------------------|--------------------------|-------------------|-----------------------|--------------------|
| Relinquished by: Keegan Macdonald | Date/Time: 6/30 12:10 | Received by: Jeb Watts | Date/Time: 6/30/23 12:10 | TAT Business Days | Field DO ₅ | Notes: H = Hold |
| Relinquished by: | Date/Time: | Received by: | Date/Time: | Same Day | Field EC | |
| | | | | 1 Day | Field ORP | |
| | | | | 2 Days | Field pH | |
| | | | | 3 Days | Field Temp. | |
| | | | | Standard | Field Turb. | |

8.5 = Temp

TR#2

S₂

Sample Receipt Checklist

S2 Work Order# 2306661

Client: Tasman Client Project ID: Groseclose

Shipped Via: H.D./P.U./FedEx/UPS/USPS/Other Airbill #: _____

Matrix (Check all that apply) Air Soil/Solid Water Other

Temp (°C) 8.5

Thermometer # 2

| | Yes | No | N/A | Comments (if any) |
|---|-------------------------------------|-------------------------------------|-------------------------------------|-------------------|
| If samples require cooling, is the temperature < 6°C? ⁽¹⁾ NOTE: If samples are delivered the same day of sampling, this requirement is met if there is evidence that cooling has begun. | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | on ice |
| If custody seals are present, are they intact? ⁽¹⁾ | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | |
| Are samples due within 48 hours present? | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | |
| Are water samples with short hold times present? Note the short hold analysis in the comments column - pH, Nitrate/Nitrite, Ferrous Iron (Fe ²⁺), Hexavalent Chromium (Cr ⁶⁺ , Cr VI), COD/BOD, Total Coliform, E. Coli, Total Residual Chlorine (TRC), Dissolved Oxygen | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | |
| Is a chain-of-custody (COC) form present and filled out Completely? ⁽¹⁾ | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | |
| Is the COC properly relinquished by the client w/ date and time recorded? ⁽¹⁾ | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | |
| Were all samples received intact? ⁽¹⁾ | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | |
| Was adequate sample volume provided? ⁽¹⁾ | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | |
| Does the COC agree with the number and type of sample bottles received? ⁽¹⁾ | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | |
| Do the sample IDs on the bottle labels match the COC? ⁽¹⁾ | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | |
| For volatiles in water – is there headspace present? If yes, contact client and note in narrative. | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | |
| Are samples preserved that require preservation (excluding cooling)? ⁽¹⁾ Note the type of preservative in the comments column – HCl, H ₂ SO ₄ , NaOH, HNO ₃ , etc. | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | |
| If samples are acid preserved for metals, is the pH ≤ 2? ⁽¹⁾ Record the pH in Comments. | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | |
| If dissolved metals are requested, were samples field filtered? | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | |

Additional Comments (if any):

⁽¹⁾ If NO, then contact the client before proceeding with analysis and note in case narrative.

John Vol
Custodian Printed Name

6/30/23 12:10
Date/Time



Tasman Geosciences
6855 W. 119th Ave.
Broomfield CO, 80020

Project: Groseclose
Project Number: [none]
Project Manager: Jeb Watts

Reported:
08/10/23 10:08

**Tank@12-24''-Groseclose
2306661-01 (Soil)**

Summit Scientific

Volatile Organic Compounds by EPA Method 8260B

Date Sampled: **06/29/23 10:50**

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|-----------------------------|--------|-----------------|-------|----------|---------|----------|----------|-----------|-------|
| Gasoline Range Hydrocarbons | ND | 0.50 | mg/kg | 1 | BGG0092 | 07/05/23 | 07/05/23 | EPA 8260B | |

Date Sampled: **06/29/23 10:50**

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|----------------------------------|--------|-----------------|--------|----------|-------|----------|----------|--------|-------|
| Surrogate: 1,2-Dichloroethane-d4 | 0.0390 | 97.5 % | 50-150 | | " | " | " | " | |
| Surrogate: Toluene-d8 | 0.0423 | 106 % | 50-150 | | " | " | " | " | |
| Surrogate: 4-Bromofluorobenzene | 0.0428 | 107 % | 50-150 | | " | " | " | " | |

Extractable Petroleum Hydrocarbons by 8015

Date Sampled: **06/29/23 10:50**

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|---------------|--------|-----------------|-------|----------|---------|----------|----------|-----------|-------|
| C10-C28 (DRO) | ND | 50 | mg/kg | 1 | BGG0093 | 07/05/23 | 07/06/23 | EPA 8015M | |
| C28-C36 (ORO) | ND | 50 | " | " | " | " | " | " | |

Date Sampled: **06/29/23 10:50**

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|------------------------|--------|-----------------|--------|----------|-------|----------|----------|--------|-------|
| Surrogate: o-Terphenyl | 9.17 | 73.3 % | 30-150 | | " | " | " | " | |

Total Metals by EPA 6020B Hot Water Soluble Extraction

Date Sampled: **06/29/23 10:50**

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|--------------|--------------|-----------------|-------|----------|---------|----------|----------|-----------|-------|
| Boron | 0.115 | 0.0100 | mg/L | 1 | BGG0198 | 07/07/23 | 07/11/23 | EPA 6020B | |

Total Metals by EPA 6020B

Summit Scientific

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Tasman Geosciences
6855 W. 119th Ave.
Broomfield CO, 80020

Project: Groseclose
Project Number: [none]
Project Manager: Jeb Watts

Reported:
08/10/23 10:08

**Tank@12-24"-Groseclose
2306661-01 (Soil)**

Summit Scientific

Total Metals by EPA 6020B

Date Sampled: **06/29/23 10:50**

| Analyte | Result | Reporting | | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|----------|--------|-----------|-----------|----------|---------|----------|----------|-----------|-------|
| | | Limit | Units | | | | | | |
| Arsenic | 1.09 | 0.200 | mg/kg dry | 1 | BGG0133 | 07/06/23 | 07/07/23 | EPA 6020B | |
| Barium | 222 | 0.400 | " | " | " | " | " | " | |
| Cadmium | 0.334 | 0.200 | " | " | " | " | " | " | |
| Copper | 2.46 | 0.400 | " | " | " | " | " | " | |
| Lead | 9.03 | 0.200 | " | " | " | " | " | " | |
| Nickel | 2.54 | 0.400 | " | " | " | " | " | " | |
| Selenium | ND | 0.306 | " | " | " | " | " | " | |
| Silver | 0.0617 | 0.0200 | " | " | " | " | " | " | |
| Zinc | 7.72 | 0.400 | " | " | " | " | " | " | |

Hexavalent Chromium by EPA Method 7196

Date Sampled: **06/29/23 10:50**

| Analyte | Result | Reporting | | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|----------------------|--------|-----------|-----------|----------|---------|----------|----------|-----------|-------|
| | | Limit | Units | | | | | | |
| Chromium, Hexavalent | ND | 0.30 | mg/kg dry | 1 | BGG0192 | 07/07/23 | 07/07/23 | EPA 7196A | |

Soluble Nutrients by EPA 6020/USDA60 6(2) - Saturated Paste Extraction

Date Sampled: **06/29/23 10:50**

| Analyte | Result | Reporting | | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|-----------|--------|-----------|----------|----------|---------|----------|----------|-----------|-------|
| | | Limit | Units | | | | | | |
| Calcium | 266 | 0.0589 | mg/L dry | 1 | BGG0238 | 07/10/23 | 07/12/23 | EPA 6020B | |
| Magnesium | 7.61 | 0.0589 | " | " | " | " | " | " | |
| Sodium | 39.1 | 0.0589 | " | " | " | " | " | " | |

Calculated Analysis

Date Sampled: **06/29/23 10:50**

| Analyte | Result | Reporting | | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|-------------------------|--------|-----------|-------|----------|---------|----------|----------|-------------|-------|
| | | Limit | Units | | | | | | |
| Sodium Adsorption Ratio | 0.645 | 0.00100 | units | 1 | BGG0373 | 07/13/23 | 07/13/23 | Calculation | |

Physical Parameters by APHA/ASTM/EPA Methods

Summit Scientific

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.



Tasman Geosciences
6855 W. 119th Ave.
Broomfield CO, 80020

Project: Groseclose
Project Number: [none]
Project Manager: Jeb Watts

Reported:
08/10/23 10:08

**Tank@12-24"-Groseclose
2306661-01 (Soil)**

Summit Scientific

Physical Parameters by APHA/ASTM/EPA Methods

Date Sampled: **06/29/23 10:50**

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|----------|--------|-----------------|-------|----------|---------|----------|----------|-------------|-------|
| % Solids | 84.9 | | % | 1 | BGG0130 | 07/06/23 | 07/10/23 | Calculation | |

Specific Conductance by EPA Method 120.1, Saturated Paste Extraction

Date Sampled: **06/29/23 10:50**

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|---------------------------|--------|-----------------|----------|----------|---------|----------|----------|-----------|-------|
| Specific Conductance (EC) | 0.447 | 0.0100 | mmhos/cm | 1 | BGG0278 | 07/11/23 | 07/11/23 | EPA 120.1 | |

Physical Parameters by APHA/ASTM/EPA Methods, Saturated Paste Extraction

Date Sampled: **06/29/23 10:50**

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|---------|--------|-----------------|----------|----------|---------|----------|----------|-----------|-------|
| pH | 7.81 | | pH Units | 1 | BGG0277 | 07/11/23 | 07/11/23 | EPA 9045D | |

Summit Scientific

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Tasman Geosciences
6855 W. 119th Ave.
Broomfield CO, 80020

Project: Groseclose

Project Number: [none]
Project Manager: Jeb Watts

Reported:
08/10/23 10:08

**Separator@12-24''-Groseclose
2306661-03 (Soil)**

Summit Scientific

Volatile Organic Compounds by EPA Method 8260B

Date Sampled: **06/29/23 10:37**

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|-----------------------------|--------|-----------------|-------|----------|---------|----------|----------|-----------|-------|
| Gasoline Range Hydrocarbons | ND | 0.50 | mg/kg | 1 | BGG0092 | 07/05/23 | 07/05/23 | EPA 8260B | |

Date Sampled: **06/29/23 10:37**

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|----------------------------------|--------|-----------------|--------|----------|-------|----------|----------|--------|-------|
| Surrogate: 1,2-Dichloroethane-d4 | 0.0384 | 96.0 % | 50-150 | | " | " | " | " | |
| Surrogate: Toluene-d8 | 0.0428 | 107 % | 50-150 | | " | " | " | " | |
| Surrogate: 4-Bromofluorobenzene | 0.0422 | 105 % | 50-150 | | " | " | " | " | |

Extractable Petroleum Hydrocarbons by 8015

Date Sampled: **06/29/23 10:37**

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|---------------|--------|-----------------|-------|----------|---------|----------|----------|-----------|-------|
| C10-C28 (DRO) | ND | 50 | mg/kg | 1 | BGG0093 | 07/05/23 | 07/06/23 | EPA 8015M | |
| C28-C36 (ORO) | ND | 50 | " | " | " | " | " | " | |

Date Sampled: **06/29/23 10:37**

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|------------------------|--------|-----------------|--------|----------|-------|----------|----------|--------|-------|
| Surrogate: o-Terphenyl | 12.5 | 99.9 % | 30-150 | | " | " | " | " | |

Total Metals by EPA 6020B Hot Water Soluble Extraction

Date Sampled: **06/29/23 10:37**

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|--------------|--------------|-----------------|-------|----------|---------|----------|----------|-----------|-------|
| Boron | 0.139 | 0.0100 | mg/L | 1 | BGG0198 | 07/07/23 | 07/11/23 | EPA 6020B | |

Total Metals by EPA 6020B

Summit Scientific

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.



Tasman Geosciences
6855 W. 119th Ave.
Broomfield CO, 80020

Project: Groseclose

Project Number: [none]
Project Manager: Jeb Watts

Reported:
08/10/23 10:08

**Separator@12-24"-Groseclose
2306661-03 (Soil)**

Summit Scientific

Total Metals by EPA 6020B

Date Sampled: **06/29/23 10:37**

| Analyte | Result | Reporting | | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|----------|---------------|-----------|-----------|----------|---------|----------|----------|-----------|-------|
| | | Limit | Units | | | | | | |
| Arsenic | 0.931 | 0.200 | mg/kg dry | 1 | BGG0133 | 07/06/23 | 07/07/23 | EPA 6020B | |
| Barium | 152 | 0.400 | " | " | " | " | " | " | |
| Cadmium | 0.343 | 0.200 | " | " | " | " | " | " | |
| Copper | 1.90 | 0.400 | " | " | " | " | " | " | |
| Lead | 8.75 | 0.200 | " | " | " | " | " | " | |
| Nickel | 2.67 | 0.400 | " | " | " | " | " | " | |
| Selenium | ND | 0.308 | " | " | " | " | " | " | |
| Silver | 0.0615 | 0.0200 | " | " | " | " | " | " | |
| Zinc | 7.12 | 0.400 | " | " | " | " | " | " | |

Hexavalent Chromium by EPA Method 7196

Date Sampled: **06/29/23 10:37**

| Analyte | Result | Reporting | | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|----------------------|--------|-----------|-----------|----------|---------|----------|----------|-----------|-------|
| | | Limit | Units | | | | | | |
| Chromium, Hexavalent | ND | 0.30 | mg/kg dry | 1 | BGG0192 | 07/07/23 | 07/07/23 | EPA 7196A | |

Soluble Nutrients by EPA 6020/USDA60 6(2) - Saturated Paste Extraction

Date Sampled: **06/29/23 10:37**

| Analyte | Result | Reporting | | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|-----------|-------------|-----------|----------|----------|---------|----------|----------|-----------|-------|
| | | Limit | Units | | | | | | |
| Calcium | 498 | 0.0592 | mg/L dry | 1 | BGG0238 | 07/10/23 | 07/12/23 | EPA 6020B | |
| Magnesium | 56.8 | 0.0592 | " | " | " | " | " | " | |
| Sodium | 40.5 | 0.0592 | " | " | " | " | " | " | |

Calculated Analysis

Date Sampled: **06/29/23 10:37**

| Analyte | Result | Reporting | | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|-------------------------|--------------|-----------|-------|----------|---------|----------|----------|-------------|-------|
| | | Limit | Units | | | | | | |
| Sodium Adsorption Ratio | 0.458 | 0.00100 | units | 1 | BGG0373 | 07/13/23 | 07/13/23 | Calculation | |

Physical Parameters by APHA/ASTM/EPA Methods

Summit Scientific

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Tasman Geosciences
6855 W. 119th Ave.
Broomfield CO, 80020

Project: Groseclose

Project Number: [none]
Project Manager: Jeb Watts

Reported:
08/10/23 10:08

**Separator@12-24''-Groseclose
2306661-03 (Soil)**

Summit Scientific

Physical Parameters by APHA/ASTM/EPA Methods

Date Sampled: **06/29/23 10:37**

| Analyte | Result | Reporting | | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|----------|--------|-----------|--|-------|----------|---------|----------|----------|-------------|-------|
| | | Limit | | | | | | | | |
| % Solids | 84.5 | | | % | 1 | BGG0130 | 07/06/23 | 07/10/23 | Calculation | |

Specific Conductance by EPA Method 120.1, Saturated Paste Extraction

Date Sampled: **06/29/23 10:37**

| Analyte | Result | Reporting | | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|---------------------------|--------|-----------|--|----------|----------|---------|----------|----------|-----------|-------|
| | | Limit | | | | | | | | |
| Specific Conductance (EC) | 0.305 | 0.0100 | | mmhos/cm | 1 | BGG0278 | 07/11/23 | 07/11/23 | EPA 120.1 | |

Physical Parameters by APHA/ASTM/EPA Methods, Saturated Paste Extraction

Date Sampled: **06/29/23 10:37**

| Analyte | Result | Reporting | | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|---------|--------|-----------|--|----------|----------|---------|----------|----------|-----------|-------|
| | | Limit | | | | | | | | |
| pH | 7.90 | | | pH Units | 1 | BGG0277 | 07/11/23 | 07/11/23 | EPA 9045D | |

Summit Scientific

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.



Tasman Geosciences
6855 W. 119th Ave.
Broomfield CO, 80020

Project: Groseclose
Project Number: [none]
Project Manager: Jeb Watts

Reported:
08/10/23 10:08

**HA-1@12-24''-Groseclose
2306661-05 (Soil)**

Summit Scientific

Volatile Organic Compounds by EPA Method 8260B

Date Sampled: **06/29/23 10:57**

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|-----------------------------|--------|-----------------|-------|----------|---------|----------|----------|-----------|-------|
| Gasoline Range Hydrocarbons | ND | 0.50 | mg/kg | 1 | BGG0092 | 07/05/23 | 07/05/23 | EPA 8260B | |

Date Sampled: **06/29/23 10:57**

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|----------------------------------|--------|-----------------|--------|----------|-------|----------|----------|--------|-------|
| Surrogate: 1,2-Dichloroethane-d4 | 0.0364 | 90.9 % | 50-150 | | " | " | " | " | |
| Surrogate: Toluene-d8 | 0.0396 | 99.1 % | 50-150 | | " | " | " | " | |
| Surrogate: 4-Bromofluorobenzene | 0.0420 | 105 % | 50-150 | | " | " | " | " | |

Extractable Petroleum Hydrocarbons by 8015

Date Sampled: **06/29/23 10:57**

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|---------------|--------|-----------------|-------|----------|---------|----------|----------|-----------|-------|
| C10-C28 (DRO) | ND | 50 | mg/kg | 1 | BGG0093 | 07/05/23 | 07/06/23 | EPA 8015M | |
| C28-C36 (ORO) | ND | 50 | " | " | " | " | " | " | |

Date Sampled: **06/29/23 10:57**

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|------------------------|--------|-----------------|--------|----------|-------|----------|----------|--------|-------|
| Surrogate: o-Terphenyl | 13.8 | 111 % | 30-150 | | " | " | " | " | |

Total Metals by EPA 6020B Hot Water Soluble Extraction

Date Sampled: **06/29/23 10:57**

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|--------------|--------------|-----------------|-------|----------|---------|----------|----------|-----------|-------|
| Boron | 0.208 | 0.0100 | mg/L | 1 | BGG0198 | 07/07/23 | 07/11/23 | EPA 6020B | |

Total Metals by EPA 6020B

Summit Scientific

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.



Tasman Geosciences
6855 W. 119th Ave.
Broomfield CO, 80020

Project: Groseclose
Project Number: [none]
Project Manager: Jeb Watts

Reported:
08/10/23 10:08

HA-1@12-24"-Groseclose
2306661-05 (Soil)

Summit Scientific

Total Metals by EPA 6020B

Date Sampled: **06/29/23 10:57**

| Analyte | Result | Reporting | | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|----------|---------------|-----------|-----------|----------|---------|----------|----------|-----------|-------|
| | | Limit | Units | | | | | | |
| Arsenic | 0.961 | 0.200 | mg/kg dry | 1 | BGG0133 | 07/06/23 | 07/07/23 | EPA 6020B | |
| Barium | 170 | 0.400 | " | " | " | " | " | " | |
| Cadmium | 0.352 | 0.200 | " | " | " | " | " | " | |
| Copper | 2.23 | 0.400 | " | " | " | " | " | " | |
| Lead | 8.58 | 0.200 | " | " | " | " | " | " | |
| Nickel | 2.40 | 0.400 | " | " | " | " | " | " | |
| Selenium | ND | 0.305 | " | " | " | " | " | " | |
| Silver | 0.0488 | 0.0200 | " | " | " | " | " | " | |
| Zinc | 7.83 | 0.400 | " | " | " | " | " | " | |

Hexavalent Chromium by EPA Method 7196

Date Sampled: **06/29/23 10:57**

| Analyte | Result | Reporting | | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|----------------------|--------|-----------|-----------|----------|---------|----------|----------|-----------|-------|
| | | Limit | Units | | | | | | |
| Chromium, Hexavalent | ND | 0.30 | mg/kg dry | 1 | BGG0192 | 07/07/23 | 07/07/23 | EPA 7196A | |

Soluble Nutrients by EPA 6020/USDA60 6(2) - Saturated Paste Extraction

Date Sampled: **06/29/23 10:57**

| Analyte | Result | Reporting | | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|-----------|-------------|-----------|----------|----------|---------|----------|----------|-----------|-------|
| | | Limit | Units | | | | | | |
| Calcium | 2350 | 0.0586 | mg/L dry | 1 | BGG0238 | 07/10/23 | 07/12/23 | EPA 6020B | |
| Magnesium | 106 | 0.0586 | " | " | " | " | " | " | |
| Sodium | 155 | 0.0586 | " | " | " | " | " | " | |

Calculated Analysis

Date Sampled: **06/29/23 10:57**

| Analyte | Result | Reporting | | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|-------------------------|--------------|-----------|-------|----------|---------|----------|----------|-------------|-------|
| | | Limit | Units | | | | | | |
| Sodium Adsorption Ratio | 0.849 | 0.00100 | units | 1 | BGG0373 | 07/13/23 | 07/13/23 | Calculation | |

Physical Parameters by APHA/ASTM/EPA Methods

Summit Scientific

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Tasman Geosciences
6855 W. 119th Ave.
Broomfield CO, 80020

Project: Groseclose

Project Number: [none]
Project Manager: Jeb Watts

Reported:
08/10/23 10:08

**HA-1@12-24''-Groseclose
2306661-05 (Soil)**

Summit Scientific

Physical Parameters by APHA/ASTM/EPA Methods

Date Sampled: **06/29/23 10:57**

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|----------|--------|-----------------|-------|----------|---------|----------|----------|-------------|-------|
| % Solids | 85.3 | | % | 1 | BGG0130 | 07/06/23 | 07/10/23 | Calculation | |

Specific Conductance by EPA Method 120.1, Saturated Paste Extraction

Date Sampled: **06/29/23 10:57**

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|---------------------------|--------|-----------------|----------|----------|---------|----------|----------|-----------|-------|
| Specific Conductance (EC) | 0.591 | 0.0100 | mmhos/cm | 1 | BGG0278 | 07/11/23 | 07/11/23 | EPA 120.1 | |

Physical Parameters by APHA/ASTM/EPA Methods, Saturated Paste Extraction

Date Sampled: **06/29/23 10:57**

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|---------|--------|-----------------|----------|----------|---------|----------|----------|-----------|-------|
| pH | 8.27 | | pH Units | 1 | BGG0277 | 07/11/23 | 07/11/23 | EPA 9045D | |

Summit Scientific

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.



Tasman Geosciences
6855 W. 119th Ave.
Broomfield CO, 80020

Project: Groseclose
Project Number: [none]
Project Manager: Jeb Watts

Reported:
08/10/23 10:08

HA-2@12-24''-Groseclose
2306661-07 (Soil)

Summit Scientific

Volatile Organic Compounds by EPA Method 8260B

Date Sampled: **06/29/23 11:02**

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|-----------------------------|--------|-----------------|-------|----------|---------|----------|----------|-----------|-------|
| Gasoline Range Hydrocarbons | ND | 0.50 | mg/kg | 1 | BGG0092 | 07/05/23 | 07/05/23 | EPA 8260B | |

Date Sampled: **06/29/23 11:02**

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|----------------------------------|--------|-----------------|--------|----------|-------|----------|----------|--------|-------|
| Surrogate: 1,2-Dichloroethane-d4 | 0.0372 | 93.1 % | 50-150 | | " | " | " | " | |
| Surrogate: Toluene-d8 | 0.0399 | 99.8 % | 50-150 | | " | " | " | " | |
| Surrogate: 4-Bromofluorobenzene | 0.0410 | 103 % | 50-150 | | " | " | " | " | |

Extractable Petroleum Hydrocarbons by 8015

Date Sampled: **06/29/23 11:02**

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|---------------|--------|-----------------|-------|----------|---------|----------|----------|-----------|-------|
| C10-C28 (DRO) | ND | 50 | mg/kg | 1 | BGG0093 | 07/05/23 | 07/06/23 | EPA 8015M | |
| C28-C36 (ORO) | ND | 50 | " | " | " | " | " | " | |

Date Sampled: **06/29/23 11:02**

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|------------------------|--------|-----------------|--------|----------|-------|----------|----------|--------|-------|
| Surrogate: o-Terphenyl | 12.4 | 99.5 % | 30-150 | | " | " | " | " | |

Total Metals by EPA 6020B Hot Water Soluble Extraction

Date Sampled: **06/29/23 11:02**

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|--------------|--------------|-----------------|-------|----------|---------|----------|----------|-----------|-------|
| Boron | 0.103 | 0.0100 | mg/L | 1 | BGG0198 | 07/07/23 | 07/11/23 | EPA 6020B | |

Total Metals by EPA 6020B

Summit Scientific

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.



Tasman Geosciences
6855 W. 119th Ave.
Broomfield CO, 80020

Project: Groseclose
Project Number: [none]
Project Manager: Jeb Watts

Reported:
08/10/23 10:08

HA-2@12-24"-Groseclose
2306661-07 (Soil)

Summit Scientific

Total Metals by EPA 6020B

Date Sampled: **06/29/23 11:02**

| Analyte | Result | Reporting | | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|----------|---------------|-----------|-----------|----------|---------|----------|----------|-----------|-------|
| | | Limit | Units | | | | | | |
| Arsenic | 0.961 | 0.200 | mg/kg dry | 1 | BGG0133 | 07/06/23 | 07/07/23 | EPA 6020B | |
| Barium | 148 | 0.400 | " | " | " | " | " | " | |
| Cadmium | 0.256 | 0.200 | " | " | " | " | " | " | |
| Copper | 2.22 | 0.400 | " | " | " | " | " | " | |
| Lead | 8.15 | 0.200 | " | " | " | " | " | " | |
| Nickel | 2.54 | 0.400 | " | " | " | " | " | " | |
| Selenium | ND | 0.297 | " | " | " | " | " | " | |
| Silver | 0.0603 | 0.0200 | " | " | " | " | " | " | |
| Zinc | 6.85 | 0.400 | " | " | " | " | " | " | |

Hexavalent Chromium by EPA Method 7196

Date Sampled: **06/29/23 11:02**

| Analyte | Result | Reporting | | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|----------------------|--------|-----------|-----------|----------|---------|----------|----------|-----------|-------|
| | | Limit | Units | | | | | | |
| Chromium, Hexavalent | ND | 0.30 | mg/kg dry | 1 | BGG0192 | 07/07/23 | 07/07/23 | EPA 7196A | |

Soluble Nutrients by EPA 6020/USDA60 6(2) - Saturated Paste Extraction

Date Sampled: **06/29/23 11:02**

| Analyte | Result | Reporting | | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|-----------|-------------|-----------|----------|----------|---------|----------|----------|-----------|-------|
| | | Limit | Units | | | | | | |
| Calcium | 36.2 | 0.0571 | mg/L dry | 1 | BGG0238 | 07/10/23 | 07/12/23 | EPA 6020B | |
| Magnesium | 5.24 | 0.0571 | " | " | " | " | " | " | |
| Sodium | 5.36 | 0.0571 | " | " | " | " | " | " | |

Calculated Analysis

Date Sampled: **06/29/23 11:02**

| Analyte | Result | Reporting | | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|-------------------------|--------------|-----------|-------|----------|---------|----------|----------|-------------|-------|
| | | Limit | Units | | | | | | |
| Sodium Adsorption Ratio | 0.220 | 0.00100 | units | 1 | BGG0373 | 07/13/23 | 07/13/23 | Calculation | |

Physical Parameters by APHA/ASTM/EPA Methods

Summit Scientific

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Tasman Geosciences
6855 W. 119th Ave.
Broomfield CO, 80020

Project: Groseclose
Project Number: [none]
Project Manager: Jeb Watts

Reported:
08/10/23 10:08

**HA-2@12-24''-Groseclose
2306661-07 (Soil)**

Summit Scientific

Physical Parameters by APHA/ASTM/EPA Methods

Date Sampled: **06/29/23 11:02**

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|----------|--------|-----------------|-------|----------|---------|----------|----------|-------------|-------|
| % Solids | 87.6 | | % | 1 | BGG0130 | 07/06/23 | 07/10/23 | Calculation | |

Specific Conductance by EPA Method 120.1, Saturated Paste Extraction

Date Sampled: **06/29/23 11:02**

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|---------------------------|--------|-----------------|----------|----------|---------|----------|----------|-----------|-------|
| Specific Conductance (EC) | 0.514 | 0.0100 | mmhos/cm | 1 | BGG0278 | 07/11/23 | 07/11/23 | EPA 120.1 | |

Physical Parameters by APHA/ASTM/EPA Methods, Saturated Paste Extraction

Date Sampled: **06/29/23 11:02**

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|---------|--------|-----------------|----------|----------|---------|----------|----------|-----------|-------|
| pH | 7.60 | | pH Units | 1 | BGG0277 | 07/11/23 | 07/11/23 | EPA 9045D | |

Summit Scientific

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Tasman Geosciences
6855 W. 119th Ave.
Broomfield CO, 80020

Project: Groseclose
Project Number: [none]
Project Manager: Jeb Watts

Reported:
08/10/23 10:08

**HA-3@12-24''-Groseclose
2306661-09 (Soil)**

Summit Scientific

Volatile Organic Compounds by EPA Method 8260B

Date Sampled: **06/29/23 11:07**

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|-----------------------------|--------|-----------------|-------|----------|---------|----------|----------|-----------|-------|
| Gasoline Range Hydrocarbons | ND | 0.50 | mg/kg | 1 | BGG0092 | 07/05/23 | 07/06/23 | EPA 8260B | |

Date Sampled: **06/29/23 11:07**

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|----------------------------------|--------|-----------------|--------|----------|-------|----------|----------|--------|-------|
| Surrogate: 1,2-Dichloroethane-d4 | 0.0391 | 97.7 % | 50-150 | | " | " | " | " | |
| Surrogate: Toluene-d8 | 0.0416 | 104 % | 50-150 | | " | " | " | " | |
| Surrogate: 4-Bromofluorobenzene | 0.0426 | 107 % | 50-150 | | " | " | " | " | |

Extractable Petroleum Hydrocarbons by 8015

Date Sampled: **06/29/23 11:07**

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|---------------|--------|-----------------|-------|----------|---------|----------|----------|-----------|-------|
| C10-C28 (DRO) | ND | 50 | mg/kg | 1 | BGG0093 | 07/05/23 | 07/06/23 | EPA 8015M | |
| C28-C36 (ORO) | ND | 50 | " | " | " | " | " | " | |

Date Sampled: **06/29/23 11:07**

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|------------------------|--------|-----------------|--------|----------|-------|----------|----------|--------|-------|
| Surrogate: o-Terphenyl | 10.2 | 81.7 % | 30-150 | | " | " | " | " | |

Total Metals by EPA 6020B Hot Water Soluble Extraction

Date Sampled: **06/29/23 11:07**

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|--------------|---------------|-----------------|-------|----------|---------|----------|----------|-----------|-------|
| Boron | 0.0617 | 0.0100 | mg/L | 1 | BGG0198 | 07/07/23 | 07/11/23 | EPA 6020B | |

Total Metals by EPA 6020B

Summit Scientific

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Tasman Geosciences
6855 W. 119th Ave.
Broomfield CO, 80020

Project: Groseclose
Project Number: [none]
Project Manager: Jeb Watts

Reported:
08/10/23 10:08

**HA-3@12-24"-Groseclose
2306661-09 (Soil)**

Summit Scientific

Total Metals by EPA 6020B

Date Sampled: **06/29/23 11:07**

| Analyte | Result | Reporting | | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|----------|---------------|-----------|-----------|----------|---------|----------|----------|-----------|-------|
| | | Limit | Units | | | | | | |
| Arsenic | 0.891 | 0.200 | mg/kg dry | 1 | BGG0133 | 07/06/23 | 07/07/23 | EPA 6020B | |
| Barium | 146 | 0.400 | " | " | " | " | " | " | |
| Cadmium | 0.298 | 0.200 | " | " | " | " | " | " | |
| Copper | 1.98 | 0.400 | " | " | " | " | " | " | |
| Lead | 8.16 | 0.200 | " | " | " | " | " | " | |
| Nickel | 2.39 | 0.400 | " | " | " | " | " | " | |
| Selenium | ND | 0.304 | " | " | " | " | " | " | |
| Silver | 0.0379 | 0.0200 | " | " | " | " | " | " | |
| Zinc | 7.25 | 0.400 | " | " | " | " | " | " | |

Hexavalent Chromium by EPA Method 7196

Date Sampled: **06/29/23 11:07**

| Analyte | Result | Reporting | | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|----------------------|--------|-----------|-----------|----------|---------|----------|----------|-----------|-------|
| | | Limit | Units | | | | | | |
| Chromium, Hexavalent | ND | 0.30 | mg/kg dry | 1 | BGG0192 | 07/07/23 | 07/07/23 | EPA 7196A | |

Soluble Nutrients by EPA 6020/USDA60 6(2) - Saturated Paste Extraction

Date Sampled: **06/29/23 11:07**

| Analyte | Result | Reporting | | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|-----------|-------------|-----------|----------|----------|---------|----------|----------|-----------|-------|
| | | Limit | Units | | | | | | |
| Calcium | 292 | 0.0584 | mg/L dry | 1 | BGG0238 | 07/10/23 | 07/12/23 | EPA 6020B | |
| Magnesium | 33.9 | 0.0584 | " | " | " | " | " | " | |
| Sodium | 11.5 | 0.0584 | " | " | " | " | " | " | |

Calculated Analysis

Date Sampled: **06/29/23 11:07**

| Analyte | Result | Reporting | | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|-------------------------|--------------|-----------|-------|----------|---------|----------|----------|-------------|-------|
| | | Limit | Units | | | | | | |
| Sodium Adsorption Ratio | 0.170 | 0.00100 | units | 1 | BGG0373 | 07/13/23 | 07/13/23 | Calculation | |

Physical Parameters by APHA/ASTM/EPA Methods

Summit Scientific

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Tasman Geosciences
6855 W. 119th Ave.
Broomfield CO, 80020

Project: Groseclose
Project Number: [none]
Project Manager: Jeb Watts

Reported:
08/10/23 10:08

**HA-3@12-24''-Groseclose
2306661-09 (Soil)**

Summit Scientific

Physical Parameters by APHA/ASTM/EPA Methods

Date Sampled: **06/29/23 11:07**

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|----------|--------|-----------------|-------|----------|---------|----------|----------|-------------|-------|
| % Solids | 85.6 | | % | 1 | BGG0130 | 07/06/23 | 07/10/23 | Calculation | |

Specific Conductance by EPA Method 120.1, Saturated Paste Extraction

Date Sampled: **06/29/23 11:07**

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|---------------------------|--------|-----------------|----------|----------|---------|----------|----------|-----------|-------|
| Specific Conductance (EC) | 0.305 | 0.0100 | mmhos/cm | 1 | BGG0278 | 07/11/23 | 07/11/23 | EPA 120.1 | |

Physical Parameters by APHA/ASTM/EPA Methods, Saturated Paste Extraction

Date Sampled: **06/29/23 11:07**

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|---------|--------|-----------------|----------|----------|---------|----------|----------|-----------|-------|
| pH | 7.65 | | pH Units | 1 | BGG0277 | 07/11/23 | 07/11/23 | EPA 9045D | |

Summit Scientific

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.



Tasman Geosciences
6855 W. 119th Ave.
Broomfield CO, 80020

Project: Groseclose

Project Number: [none]
Project Manager: Jeb Watts

Reported:
08/10/23 10:08

Volatile Organic Compounds by EPA Method 8260B - Quality Control

Summit Scientific

| Analyte | Result | Reporting | | Spike Level | Source Result | %REC | | RPD | | Notes |
|---------|--------|-----------|-------|-------------|---------------|--------|-----|-------|--|-------|
| | | Limit | Units | | | Limits | RPD | Limit | | |

Batch BGG0092 - EPA 5030 Soil MS

Blank (BGG0092-BLK1)

Prepared & Analyzed: 07/05/23

| Gasoline Range Hydrocarbons | ND | 0.50 | mg/kg | | | | | | |
|----------------------------------|--------|------|-------|--------|------|--------|--|--|--|
| Surrogate: 1,2-Dichloroethane-d4 | 0.0362 | | " | 0.0400 | 90.5 | 50-150 | | | |
| Surrogate: Toluene-d8 | 0.0424 | | " | 0.0400 | 106 | 50-150 | | | |
| Surrogate: 4-Bromofluorobenzene | 0.0424 | | " | 0.0400 | 106 | 50-150 | | | |

LCS (BGG0092-BS1)

Prepared & Analyzed: 07/05/23

| Surrogate: 1,2-Dichloroethane-d4 | 0.0325 | | mg/kg | 0.0400 | 81.3 | 50-150 |
|----------------------------------|--------|--|-------|--------|------|--------|
| Surrogate: Toluene-d8 | 0.0429 | | " | 0.0400 | 107 | 50-150 |
| Surrogate: 4-Bromofluorobenzene | 0.0404 | | " | 0.0400 | 101 | 50-150 |

Matrix Spike (BGG0092-MS1)

Source: 2306660-01

Prepared & Analyzed: 07/05/23

| Surrogate: 1,2-Dichloroethane-d4 | 0.0346 | | mg/kg | 0.0400 | 86.6 | 50-150 |
|----------------------------------|--------|--|-------|--------|------|--------|
| Surrogate: Toluene-d8 | 0.0431 | | " | 0.0400 | 108 | 50-150 |
| Surrogate: 4-Bromofluorobenzene | 0.0409 | | " | 0.0400 | 102 | 50-150 |

Matrix Spike Dup (BGG0092-MSD1)

Source: 2306660-01

Prepared & Analyzed: 07/05/23

| Surrogate: 1,2-Dichloroethane-d4 | 0.0341 | | mg/kg | 0.0400 | 85.2 | 50-150 |
|----------------------------------|--------|--|-------|--------|------|--------|
| Surrogate: Toluene-d8 | 0.0423 | | " | 0.0400 | 106 | 50-150 |
| Surrogate: 4-Bromofluorobenzene | 0.0394 | | " | 0.0400 | 98.6 | 50-150 |

Summit Scientific

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Tasman Geosciences
6855 W. 119th Ave.
Broomfield CO, 80020

Project: Groseclose

Project Number: [none]
Project Manager: Jeb Watts

Reported:
08/10/23 10:08

Extractable Petroleum Hydrocarbons by 8015 - Quality Control
Summit Scientific

| Analyte | Result | Reporting | | Spike | Source | %REC | | RPD | | Notes |
|---------|--------|-----------|-------|-------|--------|------|--------|-----|-------|-------|
| | | Limit | Units | Level | Result | %REC | Limits | RPD | Limit | |

Batch BGG0093 - EPA 3550A

Blank (BGG0093-BLK1)

Prepared & Analyzed: 07/05/23

| | | | | | | | | | | |
|--------------------------------|------|----|-------|------|--|------|--------|--|--|--|
| C10-C28 (DRO) | ND | 50 | mg/kg | | | | | | | |
| C28-C36 (ORO) | ND | 50 | " | | | | | | | |
| Surrogate: <i>o</i> -Terphenyl | 10.7 | | " | 12.5 | | 85.7 | 30-150 | | | |

LCS (BGG0093-BS1)

Prepared & Analyzed: 07/05/23

| | | | | | | | | | | |
|--------------------------------|------|----|-------|------|--|------|--------|--|--|--|
| C10-C28 (DRO) | 357 | 50 | mg/kg | 500 | | 71.3 | 70-130 | | | |
| Surrogate: <i>o</i> -Terphenyl | 15.1 | | " | 12.5 | | 121 | 30-150 | | | |

Matrix Spike (BGG0093-MS1)

Source: 2306660-01

Prepared & Analyzed: 07/05/23

| | | | | | | | | | | |
|--------------------------------|------|----|-------|------|------|------|--------|--|--|--|
| C10-C28 (DRO) | 385 | 50 | mg/kg | 500 | 15.4 | 73.9 | 70-130 | | | |
| Surrogate: <i>o</i> -Terphenyl | 14.5 | | " | 12.5 | | 116 | 30-150 | | | |

Matrix Spike Dup (BGG0093-MSD1)

Source: 2306660-01

Prepared & Analyzed: 07/05/23

| | | | | | | | | | | |
|--------------------------------|------|----|-------|------|------|------|--------|------|----|--|
| C10-C28 (DRO) | 447 | 50 | mg/kg | 500 | 15.4 | 86.2 | 70-130 | 14.9 | 20 | |
| Surrogate: <i>o</i> -Terphenyl | 14.3 | | " | 12.5 | | 114 | 30-150 | | | |

Summit Scientific

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Tasman Geosciences
6855 W. 119th Ave.
Broomfield CO, 80020

Project: Groseclose

Project Number: [none]
Project Manager: Jeb Watts

Reported:
08/10/23 10:08

Total Metals by EPA 6020B Hot Water Soluble Extraction - Quality Control
Summit Scientific

| Analyte | Reporting | | | Spike | Source | %REC | | RPD | | Notes |
|---------|-----------|-------|-------|-------|--------|------|--------|-----|-------|-------|
| | Result | Limit | Units | Level | Result | %REC | Limits | RPD | Limit | |

Batch BGG0198 - EPA 3050B

Blank (BGG0198-BLK1)

Prepared: 07/07/23 Analyzed: 07/11/23

Boron ND 0.0100 mg/L

LCS (BGG0198-BS1)

Prepared: 07/07/23 Analyzed: 07/11/23

Boron 5.46 0.0100 mg/L 5.00 109 80-120

Duplicate (BGG0198-DUP1)

Source: 2306661-01

Prepared: 07/07/23 Analyzed: 07/11/23

Boron 0.0970 0.0100 mg/L 0.115 16.9 20

Matrix Spike (BGG0198-MS1)

Source: 2306661-01

Prepared: 07/07/23 Analyzed: 07/11/23

Boron 4.71 0.0100 mg/L 5.00 0.115 91.9 75-125

Matrix Spike Dup (BGG0198-MSD1)

Source: 2306661-01

Prepared: 07/07/23 Analyzed: 07/11/23

Boron 4.64 0.0100 mg/L 5.00 0.115 90.5 75-125 1.46 25

Summit Scientific

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Tasman Geosciences
6855 W. 119th Ave.
Broomfield CO, 80020

Project: Groseclose

Project Number: [none]
Project Manager: Jeb Watts

Reported:
08/10/23 10:08

Total Metals by EPA 6020B - Quality Control

Summit Scientific

| Analyte | Result | Reporting | | Spike | Source | %REC | | RPD | | Notes |
|---------|--------|-----------|-------|-------|--------|------|--------|-----|-------|-------|
| | | Limit | Units | Level | Result | %REC | Limits | RPD | Limit | |

Batch BGG0133 - EPA 3050B

Blank (BGG0133-BLK1)

Prepared: 07/06/23 Analyzed: 07/07/23

| | | | | | | | | | | |
|----------|----|--------|-----------|--|--|--|--|--|--|--|
| Arsenic | ND | 0.200 | mg/kg wet | | | | | | | |
| Barium | ND | 0.400 | " | | | | | | | |
| Cadmium | ND | 0.200 | " | | | | | | | |
| Copper | ND | 0.400 | " | | | | | | | |
| Lead | ND | 0.200 | " | | | | | | | |
| Nickel | ND | 0.400 | " | | | | | | | |
| Selenium | ND | 0.260 | " | | | | | | | |
| Silver | ND | 0.0200 | " | | | | | | | |
| Zinc | ND | 0.400 | " | | | | | | | |

LCS (BGG0133-BS1)

Prepared: 07/06/23 Analyzed: 07/07/23

| | | | | | | | | | | |
|----------|------|--------|-----------|------|--|------|--------|--|--|--|
| Arsenic | 45.7 | 0.200 | mg/kg wet | 40.0 | | 114 | 80-120 | | | |
| Barium | 39.5 | 0.400 | " | 40.0 | | 98.7 | 80-120 | | | |
| Cadmium | 1.92 | 0.200 | " | 2.00 | | 95.8 | 80-120 | | | |
| Copper | 46.6 | 0.400 | " | 40.0 | | 117 | 80-120 | | | |
| Lead | 19.3 | 0.200 | " | 20.0 | | 96.3 | 80-120 | | | |
| Nickel | 46.1 | 0.400 | " | 40.0 | | 115 | 80-120 | | | |
| Selenium | 4.63 | 0.260 | " | 4.00 | | 116 | 80-120 | | | |
| Silver | 1.89 | 0.0200 | " | 2.00 | | 94.3 | 80-120 | | | |
| Zinc | 44.7 | 0.400 | " | 40.0 | | 112 | 80-120 | | | |

Duplicate (BGG0133-DUP1)

Source: 2306659-01

Prepared: 07/06/23 Analyzed: 07/07/23

| | | | | | | | | | | |
|----------|--------|--------|-----------|--|--------|--|------|----|--|-------|
| Arsenic | 0.487 | 0.200 | mg/kg dry | | 0.530 | | 8.47 | 20 | | |
| Barium | 31.3 | 0.400 | " | | 27.7 | | 12.0 | 20 | | |
| Cadmium | 0.0733 | 0.200 | " | | 0.0652 | | 11.7 | 20 | | |
| Copper | 0.861 | 0.400 | " | | 0.848 | | 1.45 | 20 | | |
| Lead | 2.44 | 0.200 | " | | 2.00 | | 20.0 | 20 | | |
| Nickel | 1.09 | 0.400 | " | | 1.01 | | 7.74 | 20 | | |
| Selenium | ND | 0.277 | " | | ND | | | 20 | | |
| Silver | 0.0128 | 0.0200 | " | | 0.0102 | | 22.2 | 20 | | QR-01 |
| Zinc | 4.15 | 0.400 | " | | 3.52 | | 16.3 | 20 | | |

Summit Scientific

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Tasman Geosciences
6855 W. 119th Ave.
Broomfield CO, 80020

Project: Groseclose

Project Number: [none]
Project Manager: Jeb Watts

Reported:
08/10/23 10:08

Total Metals by EPA 6020B - Quality Control
Summit Scientific

| Analyte | Reporting | | | Spike | Source | | %REC | | RPD | | Notes |
|---------|-----------|-------|-------|-------|--------|------|--------|-----|-------|--|-------|
| | Result | Limit | Units | Level | Result | %REC | Limits | RPD | Limit | | |

Batch BGG0133 - EPA 3050B

Matrix Spike (BGG0133-MS1)

Source: 2306659-01

Prepared: 07/06/23 Analyzed: 07/07/23

| | | | | | | | | | | | |
|----------|------|--------|-----------|------|--------|------|--------|--|--|--|-------|
| Arsenic | 23.7 | 0.200 | mg/kg dry | 42.6 | 0.530 | 54.3 | 75-125 | | | | QM-07 |
| Barium | 83.8 | 0.400 | " | 42.6 | 27.7 | 131 | 75-125 | | | | QM-07 |
| Cadmium | 2.18 | 0.200 | " | 2.13 | 0.0652 | 99.1 | 75-125 | | | | |
| Copper | 25.2 | 0.400 | " | 42.6 | 0.848 | 57.1 | 75-125 | | | | QM-07 |
| Lead | 23.0 | 0.200 | " | 21.3 | 2.00 | 98.4 | 75-125 | | | | |
| Nickel | 25.3 | 0.400 | " | 42.6 | 1.01 | 57.1 | 75-125 | | | | QM-07 |
| Selenium | 4.80 | 0.277 | " | 4.26 | ND | 113 | 75-125 | | | | |
| Silver | 2.04 | 0.0200 | " | 2.13 | 0.0102 | 95.4 | 75-125 | | | | |
| Zinc | 28.9 | 0.400 | " | 42.6 | 3.52 | 59.5 | 75-125 | | | | QM-07 |

Matrix Spike Dup (BGG0133-MSD1)

Source: 2306659-01

Prepared: 07/06/23 Analyzed: 07/07/23

| | | | | | | | | | | | |
|----------|------|--------|-----------|------|--------|------|--------|------|----|--|-------|
| Arsenic | 23.1 | 0.200 | mg/kg dry | 42.6 | 0.530 | 53.0 | 75-125 | 2.43 | 25 | | QM-07 |
| Barium | 75.1 | 0.400 | " | 42.6 | 27.7 | 111 | 75-125 | 10.9 | 25 | | |
| Cadmium | 2.05 | 0.200 | " | 2.13 | 0.0652 | 93.0 | 75-125 | 6.11 | 25 | | |
| Copper | 24.0 | 0.400 | " | 42.6 | 0.848 | 54.4 | 75-125 | 4.66 | 25 | | QM-07 |
| Lead | 21.2 | 0.200 | " | 21.3 | 2.00 | 90.1 | 75-125 | 7.98 | 25 | | |
| Nickel | 23.9 | 0.400 | " | 42.6 | 1.01 | 53.8 | 75-125 | 5.72 | 25 | | QM-07 |
| Selenium | 4.55 | 0.277 | " | 4.26 | ND | 107 | 75-125 | 5.38 | 25 | | |
| Silver | 1.95 | 0.0200 | " | 2.13 | 0.0102 | 90.9 | 75-125 | 4.83 | 25 | | |
| Zinc | 26.5 | 0.400 | " | 42.6 | 3.52 | 53.9 | 75-125 | 8.62 | 25 | | QM-07 |

Summit Scientific

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Tasman Geosciences
6855 W. 119th Ave.
Broomfield CO, 80020

Project: Groseclose

Project Number: [none]
Project Manager: Jeb Watts

Reported:
08/10/23 10:08

Hexavalent Chromium by EPA Method 7196 - Quality Control
Summit Scientific

| Analyte | Result | Reporting | | Spike Level | Source | | %REC | | RPD | | Notes |
|---------|--------|-----------|-------|-------------|--------|------|--------|-----|-------|--|-------|
| | | Limit | Units | | Result | %REC | Limits | RPD | Limit | | |

Batch BGG0192 - 3060A Mod

Blank (BGG0192-BLK1)

Prepared & Analyzed: 07/07/23

Chromium, Hexavalent ND 0.30 mg/kg wet

LCS (BGG0192-BS1)

Prepared & Analyzed: 07/07/23

Chromium, Hexavalent 23.4 0.30 mg/kg wet 25.0 93.8 80-120

Duplicate (BGG0192-DUP1)

Source: 2307070-01

Prepared & Analyzed: 07/07/23

Chromium, Hexavalent ND 0.30 mg/kg dry ND 20

Matrix Spike (BGG0192-MS1)

Source: 2307070-01

Prepared & Analyzed: 07/07/23

Chromium, Hexavalent 27.3 0.30 mg/kg dry 28.5 ND 95.8 75-125

Matrix Spike Dup (BGG0192-MSD1)

Source: 2307070-01

Prepared & Analyzed: 07/07/23

Chromium, Hexavalent 27.1 0.30 mg/kg dry 28.5 ND 95.2 75-125 0.628 20

Summit Scientific

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Tasman Geosciences
6855 W. 119th Ave.
Broomfield CO, 80020

Project: Groseclose

Project Number: [none]
Project Manager: Jeb Watts

Reported:
08/10/23 10:08

Soluble Nutrients by EPA 6020/USDA60 6(2) - Saturated Paste Extraction - Quality Control

Summit Scientific

| Analyte | Result | Reporting | | Spike Level | Source Result | %REC | | RPD | | Notes |
|---------|--------|-----------|-------|-------------|---------------|------|--------|-----|-------|-------|
| | | Limit | Units | | | %REC | Limits | RPD | Limit | |

Batch BGG0238 - General Preparation

Blank (BGG0238-BLK1)

Prepared: 07/10/23 Analyzed: 07/12/23

| | | | | | | | | | | |
|-----------|----|--------|----------|--|--|--|--|--|--|--|
| Calcium | ND | 0.0500 | mg/L wet | | | | | | | |
| Magnesium | ND | 0.0500 | " | | | | | | | |
| Sodium | ND | 0.0500 | " | | | | | | | |

LCS (BGG0238-BS1)

Prepared: 07/10/23 Analyzed: 07/12/23

| | | | | | | | | | | |
|-----------|------|--------|----------|------|------|--------|--|--|--|--|
| Calcium | 4.74 | 0.0500 | mg/L wet | 5.00 | 94.8 | 70-130 | | | | |
| Magnesium | 4.77 | 0.0500 | " | 5.00 | 95.5 | 70-130 | | | | |
| Sodium | 4.92 | 0.0500 | " | 5.00 | 98.4 | 70-130 | | | | |

Summit Scientific

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Tasman Geosciences
6855 W. 119th Ave.
Broomfield CO, 80020

Project: Groseclose

Project Number: [none]
Project Manager: Jeb Watts

Reported:
08/10/23 10:08

Physical Parameters by APHA/ASTM/EPA Methods - Quality Control

Summit Scientific

| Analyte | Result | Reporting | | Spike | Source | | %REC | | RPD | | Notes |
|---------|--------|-----------|-------|-------|--------|------|--------|-----|-------|--|-------|
| | | Limit | Units | Level | Result | %REC | Limits | RPD | Limit | | |

Batch BGG0130 - General Preparation

Duplicate (BGG0130-DUP1)

Source: 2306661-01

Prepared: 07/06/23 Analyzed: 07/10/23

| | | | | | | | |
|----------|------|---|--|------|--|-------|----|
| % Solids | 85.4 | % | | 84.9 | | 0.541 | 20 |
|----------|------|---|--|------|--|-------|----|

Summit Scientific

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Tasman Geosciences
6855 W. 119th Ave.
Broomfield CO, 80020

Project: Groseclose

Project Number: [none]
Project Manager: Jeb Watts

Reported:
08/10/23 10:08

Specific Conductance by EPA Method 120.1, Saturated Paste Extraction - Quality Control

Summit Scientific

| Analyte | Result | Reporting | | Spike Level | Source | | %REC | | RPD | | Notes |
|---------|--------|-----------|-------|-------------|--------|------|--------|-----|-------|--|-------|
| | | Limit | Units | | Result | %REC | Limits | RPD | Limit | | |

Batch BGG0278 - General Preparation

Blank (BGG0278-BLK1)

Prepared & Analyzed: 07/11/23

Specific Conductance (EC) ND 0.0100 mmhos/cm

LCS (BGG0278-BS1)

Prepared & Analyzed: 07/11/23

Specific Conductance (EC) 0.155 0.0100 mmhos/cm 0.150 104 95-105

Duplicate (BGG0278-DUP1)

Source: 2306659-01

Prepared & Analyzed: 07/11/23

Specific Conductance (EC) 0.196 0.0100 mmhos/cm 0.198 0.710 20

Summit Scientific

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.



Tasman Geosciences
6855 W. 119th Ave.
Broomfield CO, 80020

Project: Groseclose

Project Number: [none]
Project Manager: Jeb Watts

Reported:
08/10/23 10:08

Physical Parameters by APHA/ASTM/EPA Methods, Saturated Paste Extraction - Quality Control

Summit Scientific

| Analyte | Result | Reporting | | Spike | Source | %REC | | RPD | | Notes |
|---------|--------|-----------|-------|-------|--------|------|--------|-----|-------|-------|
| | | Limit | Units | Level | Result | %REC | Limits | RPD | Limit | |

Batch BGG0277 - General Preparation

LCS (BGG0277-BS1)

Prepared & Analyzed: 07/11/23

| | | | | | |
|----|------|----------|------|------|--------|
| pH | 9.06 | pH Units | 9.18 | 98.7 | 95-105 |
|----|------|----------|------|------|--------|

Duplicate (BGG0277-DUP1)

Source: 2306659-01

Prepared & Analyzed: 07/11/23

| | | | | | |
|----|------|----------|------|-------|----|
| pH | 7.46 | pH Units | 7.47 | 0.134 | 20 |
|----|------|----------|------|-------|----|

Summit Scientific

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Tasman Geosciences
6855 W. 119th Ave.
Broomfield CO, 80020

Project: Groseclose

Project Number: [none]
Project Manager: Jeb Watts

Reported:
08/10/23 10:08

Notes and Definitions

- QR-01 Analyses are not controlled on RPD values from sample concentrations less than 10 times the reporting limit. QC batch accepted based on LCS and/or LCSD QC results.
- QM-07 The spike recovery was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS/LCSD recovery.
- DET Analyte DETECTED
- ND Analyte NOT DETECTED at or above the reporting limit
- NR Not Reported
- dry Sample results reported on a dry weight basis
- RPD Relative Percent Difference