



Division of Environmental Testing

2115 N Scranton St Suite 3040A

Aurora, CO 80045

800-440-5184

October 17, 2024

1600 Broadway Ste 1050
Denver, CO 80202
303-929-9513
msmith@ardorenvironmental.com

Project Manager : Ryan Dornbos

Project Name : State 1 & 3

Project Number : N/A

Attached are the analytical results for State 1 & 3 N/A received by Elevation Diagnostics, Division of Environmental Testing on October 11, 2024. This is associated with Elevation's number AA13057 .

The results were analyzed under the guidelines of various methods. These methods are identified in the report as follows: "SW" is referring to the EPA's SW-846 Compendium; "EPA" is referring to 40 CFR part 136; "HACH" is referring to a method which was validated by HACH®; "SM" is referring to a revision of the Standard Methods For the Examination of Water and Wastewater; and "ASTM" is referring to the standard test method set forth by ASTM International.

The analytical results in this report apply specifically to the samples listed in the attached Chain of Custody. This report may only be duplicated in full.

Any deviations to sample integrity, method specifications, or Elevation Diagnostics's standard operating procedures are documented in the report below.

Please contact us for any questions or comments concerning the content of this report.

Thank you,

Elevation Diagnostics, Division of Environmental Testing

Chain of Custody Form

Client: Central Operating Inc
 Address: _____
 City/State/ZIP: _____
 Phone: _____
 Project Contact: mSmith@Ardor Environ mental.com

Elevation Diagnostics

2115 North Scranton Street Suite 3040A Aurora, CO 80045
 800.440.5184

Project Name: State 1 & 3
 Project Location: _____
 Collector Name: Jacob Jones

| Sample ID | Sample Description | Date Sampled | Time Sampled | # of containers | Preservative | | | | Matrix | | | Analysis Requested | | | | | | | | Notes |
|-----------|--------------------|--------------|--------------|-----------------|--------------|------------------|------|-------|--------|------|-------|--------------------|----|-----|-------|--|--|--|--|-----------|
| | | | | | HCl | HNO ₃ | None | Other | Water | Soil | Other | EC | pH | SAR | Boron | | | | | |
| 1 | BG1@ 2' | 10/11/24 | 2:35 | 3 | | | | | | | | X | X | X | X | | | | | AA13057-1 |
| 2 | BG1@ 3' | | 2:30 | | | | | | | | | | | | | | | | | AA13058-1 |
| 3 | BG1@ 4' | | 2:28 | | | | | | | | | | | | | | | | | AA13059-1 |
| 4 | BG2@ 2' | | 2:40 | | | | | | | | | | | | | | | | | AA13060-1 |
| 5 | BG2@ 3' | | 2:45 | | | | | | | | | | | | | | | | | AA13061-1 |
| 6 | BG2@ 4' | | 2:48 | | | | | | | | | | | | | | | | | AA13062-1 |
| 7 | | | | | | | | | | | | | | | | | | | | |
| 8 | | | | | | | | | | | | | | | | | | | | |
| 9 | | | | | | | | | | | | | | | | | | | | |
| 10 | | | | | | | | | | | | | | | | | | | | |

Relinquished By: DDRES Date/Time: 4:58 pm 10/11/24
 Relinquished By: Leah Muno Date/Time: 4:58 pm 10-11-24
 Relinquished By: _____ Date/Time: _____

Lab Use Only
 Observed Temperature Upon Receipt: 11.2 °C
 Corrected Temperature Upon Receipt: 12.5 °C
 Thermometer #: EDX EA 248
 Correction Factor: +1.3 °C

Samples Intact: Yes
 pH Checked: Yes
 pH Adjusted: Yes
 Name/Lot Number of Adjustment: N/A

2024-10-11-010
N/A

Scan to Deliver Samples



EFOR-008.002

**Division of Environmental Testing**

2115 N Scranton St Suite 3040A

Aurora, CO 80045

800-440-5184

FINAL RESULTS REPORT**Report Date :** 10/17/2024**Report Time :** 11:46**Project Manager:** Ryan Dornbos**Project Name:** State 1 & 3**Project Number:** N/A

| Sample ID | Customer ID | Collected | Dilution | Result | Units | MDL | Method Ref. |
|-------------------------------|-------------|-------------------------------|----------|--------|-------|----------|-------------------------------------|
| Analyte Name | | Analysis Start | | | | | Recovery |
| AA13057-1 | BG1@2' | Collected : 10/11/2024 | 14:35 | | | | |
| SAR - Calcium | | 10/16/2024 | 14:59 | 10.00 | 3.24 | mEq/L | EPA 6020B |
| SAR - Magnesium | | 10/16/2024 | 14:59 | 10.00 | 0.85 | mEq/L | EPA 6020B |
| SAR - Sodium | | 10/16/2024 | 14:59 | 10.00 | 1.20 | mEq/L | EPA 6020B |
| SAR - Sodium Adsorption Ratio | | 10/16/2024 | 14:59 | 10.00 | 0.84 | No Unit | EPA 6020B |
| Soil Conductivity | | 10/15/2024 | 16:31 | | 0.44 | mmhos/cm | 0.0005 USDA 60 |
| AA13057-2 | BG1@2' | Collected : 10/11/2024 | 14:35 | | | | |
| pH, Soils Temperature | | 10/15/2024 | 17:02 | | 19 | °C | |
| pH, Soils | | 10/15/2024 | 17:02 | | 8.18 | SU | 0.01 EPA 9045D |
| AA13057-3 | BG1@2' | Collected : 10/11/2024 | 14:35 | | | | |
| Hot Water Soluble Boron | | 10/16/2024 | 10:50 | | 0.17 | mg/kg | 0.050 Boron Hot Water Extraction |
| AA13058-1 | BG1@3' | Collected : 10/11/2024 | 14:30 | | | | |
| SAR - Calcium | | 10/16/2024 | 14:59 | 10.00 | 2.13 | mEq/L | EPA 6020B |
| SAR - Magnesium | | 10/16/2024 | 14:59 | 10.00 | 0.61 | mEq/L | EPA 6020B |
| SAR - Sodium | | 10/16/2024 | 14:59 | 10.00 | 1.29 | mEq/L | EPA 6020B |
| SAR - Sodium Adsorption Ratio | | 10/16/2024 | 14:59 | 10.00 | 1.10 | No Unit | EPA 6020B |
| Soil Conductivity | | 10/15/2024 | 16:31 | | 0.39 | mmhos/cm | 0.0005 USDA 60 |
| AA13058-2 | BG1@3' | Collected : 10/11/2024 | 14:30 | | | | |
| pH, Soils Temperature | | 10/15/2024 | 17:02 | | 18.9 | °C | |
| pH, Soils | | 10/15/2024 | 17:02 | | 8.47 | SU | 0.01 EPA 9045D |
| AA13058-3 | BG1@3' | Collected : 10/11/2024 | 14:30 | | | | |
| Hot Water Soluble Boron | | 10/16/2024 | 10:50 | | 0.14 | mg/kg | 0.050 Boron Hot Water Extraction |
| AA13059-1 | BG1@4' | Collected : 10/11/2024 | 14:28 | | | | |
| SAR - Calcium | | 10/16/2024 | 14:59 | 10.00 | 1.94 | mEq/L | EPA 6020B |
| SAR - Magnesium | | 10/16/2024 | 14:59 | 10.00 | 0.69 | mEq/L | EPA 6020B |
| SAR - Sodium | | 10/16/2024 | 14:59 | 10.00 | 1.04 | mEq/L | EPA 6020B |
| SAR - Sodium Adsorption Ratio | | 10/16/2024 | 14:59 | 10.00 | 0.91 | No Unit | EPA 6020B |
| Soil Conductivity | | 10/15/2024 | 16:31 | | 0.38 | mmhos/cm | 0.0005 USDA 60 |
| AA13059-2 | BG1@4' | Collected : 10/11/2024 | 14:28 | | | | |
| pH, Soils Temperature | | 10/15/2024 | 17:02 | | 18.8 | °C | |
| pH, Soils | | 10/15/2024 | 17:02 | | 8.57 | SU | 0.01 EPA 9045D |
| AA13059-3 | BG1@4' | Collected : 10/11/2024 | 14:28 | | | | |
| Hot Water Soluble Boron | | 10/16/2024 | 10:50 | | 0.11 | mg/kg | 0.050 Boron Hot Water Extraction |
| AA13060-1 | BG2@2' | Collected : 10/11/2024 | 14:40 | | | | |
| SAR - Calcium | | 10/16/2024 | 14:59 | 10.00 | 0.93 | mEq/L | EPA 6020B |
| SAR - Magnesium | | 10/16/2024 | 14:59 | 10.00 | 0.21 | mEq/L | EPA 6020B |
| SAR - Sodium | | 10/16/2024 | 14:59 | 10.00 | 3.90 | mEq/L | EPA 6020B |
| SAR - Sodium Adsorption Ratio | | 10/16/2024 | 14:59 | 10.00 | 5.18 | No Unit | EPA 6020B |
| Soil Conductivity | | 10/15/2024 | 16:31 | | 0.47 | mmhos/cm | 0.0005 USDA 60 |
| AA13060-2 | BG2@2' | Collected : 10/11/2024 | 14:40 | | | | |



Division of Environmental Testing

2115 N Scranton St Suite 3040A

Aurora, CO 80045

800-440-5184

FINAL RESULTS REPORT

Report Date : 10/17/2024

Report Time : 11:46

Project Manager: Ryan Dornbos

Project Name: State 1 & 3

Project Number: N/A

| Sample ID | Customer ID | Collected | | Dilution | Result | Units | MDL | Method Ref. |
|-------------------------------|-------------|------------------------|-------|----------|--------|----------|--------|----------------------------|
| Analyte Name | | Analysis Start | | | | | | Recovery |
| pH, Soils Temperature | | 10/15/2024 | 17:02 | | 19.1 | °C | | |
| pH, Soils | | 10/15/2024 | 17:02 | | 9.36 | SU | 0.01 | EPA 9045D |
| AA13060-3 | BG2@2' | Collected : 10/11/2024 | | 14:40 | | | | |
| Hot Water Soluble Boron | | 10/16/2024 | 10:50 | | 0.24 | mg/kg | 0.050 | Boron Hot Water Extraction |
| | | | | | | | | |
| AA13061-1 | BG2@3' | Collected : 10/11/2024 | | 14:45 | | | | |
| SAR - Calcium | | 10/16/2024 | 14:59 | 10.00 | 0.91 | mEq/L | | EPA 6020B |
| SAR - Magnesium | | 10/16/2024 | 14:59 | 10.00 | 0.28 | mEq/L | | EPA 6020B |
| SAR - Sodium | | 10/16/2024 | 14:59 | 10.00 | 3.41 | mEq/L | | EPA 6020B |
| SAR - Sodium Adsorption Ratio | | 10/16/2024 | 14:59 | 10.00 | 4.44 | No Unit | | EPA 6020B |
| Soil Conductivity | | 10/15/2024 | 16:31 | | 0.43 | mmhos/cm | 0.0005 | USDA 60 |
| AA13061-2 | BG2@3' | Collected : 10/11/2024 | | 14:45 | | | | |
| pH, Soils Temperature | | 10/15/2024 | 17:02 | | 19.1 | °C | | |
| pH, Soils | | 10/15/2024 | 17:02 | | 9.47 | SU | 0.01 | EPA 9045D |
| AA13061-3 | BG2@3' | Collected : 10/11/2024 | | 14:45 | | | | |
| Hot Water Soluble Boron | | 10/16/2024 | 10:50 | | 0.18 | mg/kg | 0.050 | Boron Hot Water Extraction |
| | | | | | | | | |
| AA13062-1 | BG2@4' | Collected : 10/11/2024 | | 14:48 | | | | |
| SAR - Calcium | | 10/16/2024 | 14:59 | 10.00 | 0.50 | mEq/L | | EPA 6020B |
| SAR - Magnesium | | 10/16/2024 | 14:59 | 10.00 | 0.17 | mEq/L | | EPA 6020B |
| SAR - Sodium | | 10/16/2024 | 14:59 | 10.00 | 3.38 | mEq/L | | EPA 6020B |
| SAR - Sodium Adsorption Ratio | | 10/16/2024 | 14:59 | 10.00 | 5.83 | No Unit | | EPA 6020B |
| Soil Conductivity | | 10/15/2024 | 16:31 | | 0.40 | mmhos/cm | 0.0005 | USDA 60 |
| AA13062-2 | BG2@4' | Collected : 10/11/2024 | | 14:48 | | | | |
| pH, Soils Temperature | | 10/15/2024 | 17:02 | | 18.8 | °C | | |
| pH, Soils | | 10/15/2024 | 17:02 | | 9.50 | SU | 0.01 | EPA 9045D |
| AA13062-3 | BG2@4' | Collected : 10/11/2024 | | 14:48 | | | | |
| Hot Water Soluble Boron | | 10/16/2024 | 10:50 | | 0.18 | mg/kg | 0.050 | Boron Hot Water Extraction |



Division of Environmental Testing

2115 N Scranton St Suite 3040A

Aurora, CO 80045

800-440-5184

FINAL RESULTS REPORT

Report Date : 10/17/2024

Report Time : 11:46

Project Manager: Ryan Dornbos

Project Name: State 1 & 3

Project Number: N/A

QC Report

| QC | Analyte | Result | Reporting Limit | Units | Spike Level | Source Result | %Rec | % REC Limits | RPD | RPD Limit |
|--------------------------|-------------------------|--------|-----------------|----------|-------------|---------------|------|--------------|--------------|-----------|
| BORON-5247 | | | | | | | | | | |
| DUP | AA12994 | 5.44 | 0.050 | mg/kg | | | | | 0.36697 | -15 - 15 |
| MB | AA13131 | 0.01 | | mg/kg | | | | | | |
| LCS | AA13132 | 1.00 | | mg/kg | 1.00 | | 100 | 80 - 120 | | |
| LCS | AA13133 | 8.42 | | mg/kg | 9.00 | | 93.6 | 80 - 120 | | |
| ECSOIL_MMHOS-5269 | | | | | | | | | | |
| DUP | AA13057 | 0.45 | | mmhos/cm | | | | | 2.2472 | |
| LCS | AA13157 | 9.83 | | mmhos/cm | 10.00 | | 98.3 | | | |
| LCS | AA13158 | 9.87 | | mmhos/cm | 10.00 | | 98.7 | | | |
| PH_S-5261 | | | | | | | | | | |
| DUP | AA13057 | 8.24 | 0.01 | S.U. | | | | | 0.7308160779 | -5 - 5 |
| LCS | AA13147 | 6.84 | 0.01 | S.U. | 6.86 | | 99.7 | 95 - 105 | | |
| LCS | AA13148 | 6.83 | 0.01 | S.U. | 6.86 | | 99.6 | 95 - 105 | | |
| SAR-5281 | | | | | | | | | | |
| AA13057 | | | | | | | | | | |
| Dup | Calcium | 3.32 | | mEq/L | 3.32 | 3.24 | | | 2.44 | |
| Dup | Magnesium | 0.87 | | mEq/L | 0.87 | 0.85 | | | 2.33 | |
| Dup | Sodium | 1.19 | | mEq/L | 1.19 | 1.20 | | | 0.837 | |
| Dup | Sodium Adsorption Ratio | 0.83 | | mEq/L | 0.83 | 0.84 | | | 1.20 | |
| AA13182 | | | | | | | | | | |
| MB | Calcium | -0.21 | | mEq/L | | | | | | |
| MB | Magnesium | 0.00 | | mEq/L | | | | | | |
| MB | Sodium | 0.01 | | mEq/L | | | | | | |
| MB | Sodium Adsorption Ratio | 0.00 | | | | | | | | |
| AA13183 | | | | | | | | | | |
| LCS | Calcium | 9.97 | | ppm | | | 99.7 | | | |
| LCS | Magnesium | 10.11 | | ppm | | | 101 | | | |
| LCS | Sodium | 10.56 | | ppm | | | 106 | | | |
| LCS | Sodium Adsorption Ratio | 0.56 | | ppm | | | 108 | | | |
| AA13184 | | | | | | | | | | |
| LCS | Calcium | 470.08 | | ppm | | | 94.0 | | | |
| LCS | Magnesium | 467.07 | | ppm | | | 93.4 | | | |
| LCS | Sodium | 471.66 | | ppm | | | 94.3 | | | |
| LCS | Sodium Adsorption Ratio | 3.69 | | ppm | | | 99.7 | | | |