



# ANALYTICAL REPORT

## PREPARED FOR

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Trinidad, Colorado 81082  
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## JOB DESCRIPTION

915 Full Soil Suite

## JOB NUMBER

280-180318-1

# Eurofins Denver

## Job Notes

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The test results in this report relate only to the samples as received by the laboratory and will meet all requirements of the methodology, with any exceptions noted. This report shall not be reproduced except in full, without the express written approval of the laboratory. All questions should be directed to the Eurofins TestAmerica Project Manager.

## Authorization



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# Definitions/Glossary

Client: Evergreen Natural Resources LLC  
Project/Site: 915 Full Soil Suite

Job ID: 280-180318-1

## Qualifiers

### Metals

Qualifier	Qualifier Description
F1	MS and/or MSD recovery exceeds control limits.

### General Chemistry

Qualifier	Qualifier Description
F1	MS and/or MSD recovery exceeds control limits.
HF	Parameter with a holding time of 15 minutes. Test performed by laboratory at client's request. Sample was analyzed outside of hold time.

## Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
□	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CFU	Colony Forming Unit
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
MQL	Method Quantitation Limit
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
NEG	Negative / Absent
POS	Positive / Present
PQL	Practical Quantitation Limit
PRES	Presumptive
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)
TNTC	Too Numerous To Count

# Case Narrative

Client: Evergreen Natural Resources LLC  
Project/Site: 915 Full Soil Suite

Job ID: 280-180318-1

**Job ID: 280-180318-1**

**Laboratory: Eurofins Denver**

**Narrative**

## CASE NARRATIVE

**Client: Evergreen Natural Resources LLC**

**Project: 915 Full Soil Suite**

**Report Number: 280-180318-1**

With the exceptions noted as flags or footnotes, standard analytical protocols were followed in the analysis of the samples and no problems were encountered or anomalies observed. In addition all laboratory quality control samples were within established control limits, with any exceptions noted below. Each sample was analyzed to achieve the lowest possible reporting limit within the constraints of the method. In some cases, due to interference or analytes present at high concentrations, samples were diluted. For diluted samples, the reporting limits are adjusted relative to the dilution required.

This report may include reporting limits (RLs) less than Eurofins TestAmerica's standard reporting limit. The reported sample results and associated reporting limits are being used specifically to meet the needs of this project. Note that data are not normally reported to these levels without qualification because they are inherently less reliable and potentially less defensible than required by the latest industry standards.

This submission may contain field data obtained by the sampler. The methods referenced in this submission for the field data results may not be the methods used to obtain the field data by the sampler.

### **RECEIPT**

The samples were received on 8/15/2023 8:15 AM. Unless otherwise noted below, the samples arrived in good condition, and where required, properly preserved and on ice. The temperature of the cooler at receipt was 0.7° C.

### **SODIUM ABSORPTION RATIO**

No analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

### **METALS (ICP/ICPMS)**

Methods 6010B, 6010D: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for preparation batch 280-623229 and analytical batch 280-623766 were outside control limits for one or more analytes. See QC Sample Results for detail. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample (LCS) recovery is within acceptance limits.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

### **GENERAL CHEMISTRY - VARIOUS**

Method 7196A: Cr (VI) failed the recovery criteria low for the MS of sample 280-180161-16 in batch 180-444734.

Method 7196A: The following samples were diluted due to the nature of the sample matrix: Black Gold 32-33 SS1 (280-180318-5), Black Gold 32-33 SS2 (280-180318-6), Black Gold 32-33 Native (280-180318-8), Lavedure 44-7R SS2 (280-180318-10) and Lavedure 44-7R SS3 (280-180318-11). Elevated reporting limits (RLs) are provided.

Method 9045D: This analysis is normally performed in the field and has a method-defined holding time of 15 minutes. The following samples has been qualified with the "HF" flag to indicate analysis was performed in the laboratory outside the 15 minute timeframe: Rock Springs 34-33 SS1 (280-180318-1), Rock Springs 34-33 SS2 (280-180318-2), Rock Springs 34-33 SS3 (280-180318-3), Rock Springs 34-33 Native (280-180318-4), Black Gold 32-33 SS1 (280-180318-5), Black Gold 32-33 SS2 (280-180318-6), Black Gold 32-33 SS3 (280-180318-7), Black Gold 32-33 Native (280-180318-8), Lavedure 44-7R SS1 (280-180318-9), Lavedure 44-7R SS2 (280-180318-10), Lavedure 44-7R SS3 (280-180318-11), Lavedure 44-7R Native (280-180318-12), (CCV 560-207247/15), (CCV 560-207247/21), (CCV 560-207247/3), (ICV 560-207247/1), (LCS 560-207247/2), (280-180261-E-1), (280-180261-E-1 DU) and (280-180318-C-10 DU).

# Case Narrative

Client: Evergreen Natural Resources LLC  
Project/Site: 915 Full Soil Suite

Job ID: 280-180318-1

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## Job ID: 280-180318-1 (Continued)

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### Laboratory: Eurofins Denver (Continued)

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

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# Detection Summary

Client: Evergreen Natural Resources LLC  
 Project/Site: 915 Full Soil Suite

Job ID: 280-180318-1

## Client Sample ID: Rock Springs 34-33 SS1

## Lab Sample ID: 280-180318-1

Analyte	Result	Qualifier	RL	RL	Unit	Dil Fac	D	Method	Prep Type
Sodium Adsorption Ratio	16		1.2		No Unit	10		20B	Soluble
Barium	300		1.0		mg/Kg	1	✳	6010B	Total/NA
Arsenic	1.1		0.11		mg/Kg	1	✳	6020	Total/NA
Copper	21		0.26		mg/Kg	1	✳	6020	Total/NA
Lead	7.7		0.11		mg/Kg	1	✳	6020	Total/NA
Nickel	17		0.18		mg/Kg	1	✳	6020	Total/NA
Zinc	57		1.1		mg/Kg	1	✳	6020	Total/NA
pH - Sat Paste	8.4	HF	0.1		SU	1		9045D	Total/NA
Specific Conductance	1100		1.0		umhos/cm	1		9050A	Soluble

## Client Sample ID: Rock Springs 34-33 SS2

## Lab Sample ID: 280-180318-2

Analyte	Result	Qualifier	RL	RL	Unit	Dil Fac	D	Method	Prep Type
Sodium Adsorption Ratio	11		1.2		No Unit	10		20B	Soluble
Barium	180		1.0		mg/Kg	1	✳	6010B	Total/NA
Arsenic	1.2		0.10		mg/Kg	1	✳	6020	Total/NA
Copper	18		0.25		mg/Kg	1	✳	6020	Total/NA
Lead	7.3		0.10		mg/Kg	1	✳	6020	Total/NA
Nickel	15		0.17		mg/Kg	1	✳	6020	Total/NA
Selenium	0.24		0.20		mg/Kg	1	✳	6020	Total/NA
Zinc	48		1.0		mg/Kg	1	✳	6020	Total/NA
pH - Sat Paste	8.1	HF	0.1		SU	1		9045D	Total/NA
Specific Conductance	940		1.0		umhos/cm	1		9050A	Soluble

## Client Sample ID: Rock Springs 34-33 SS3

## Lab Sample ID: 280-180318-3

Analyte	Result	Qualifier	RL	RL	Unit	Dil Fac	D	Method	Prep Type
Sodium Adsorption Ratio	7.2		1.2		No Unit	10		20B	Soluble
Barium	200		1.0		mg/Kg	1	✳	6010B	Total/NA
Arsenic	1.4		0.10		mg/Kg	1	✳	6020	Total/NA
Copper	22		0.25		mg/Kg	1	✳	6020	Total/NA
Lead	9.0		0.10		mg/Kg	1	✳	6020	Total/NA
Nickel	19		0.17		mg/Kg	1	✳	6020	Total/NA
Zinc	64		1.0		mg/Kg	1	✳	6020	Total/NA
pH - Sat Paste	7.9	HF	0.1		SU	1		9045D	Total/NA
Specific Conductance	1100		1.0		umhos/cm	1		9050A	Soluble

## Client Sample ID: Rock Springs 34-33 Native

## Lab Sample ID: 280-180318-4

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Barium	130		1.0		mg/Kg	1	✳	6010B	Total/NA
Arsenic	0.92		0.10		mg/Kg	1	✳	6020	Total/NA
Copper	12		0.26		mg/Kg	1	✳	6020	Total/NA
Lead	6.3		0.10		mg/Kg	1	✳	6020	Total/NA
Nickel	13		0.17		mg/Kg	1	✳	6020	Total/NA
Zinc	37		1.0		mg/Kg	1	✳	6020	Total/NA
pH - Sat Paste	6.7	HF	0.1		SU	1		9045D	Total/NA
Specific Conductance	320		1.0		umhos/cm	1		9050A	Soluble

## Client Sample ID: Black Gold 32-33 SS1

## Lab Sample ID: 280-180318-5

Analyte	Result	Qualifier	RL	RL	Unit	Dil Fac	D	Method	Prep Type
Sodium Adsorption Ratio	8.6		1.2		No Unit	10		20B	Soluble

This Detection Summary does not include radiochemical test results.

Eurofins Denver

# Detection Summary

Client: Evergreen Natural Resources LLC  
 Project/Site: 915 Full Soil Suite

Job ID: 280-180318-1

## Client Sample ID: Black Gold 32-33 SS1 (Continued)

## Lab Sample ID: 280-180318-5

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Barium	140		0.97		mg/Kg	1	☒	6010B	Total/NA
Arsenic	2.2		0.097		mg/Kg	1	☒	6020	Total/NA
Copper	14		0.24		mg/Kg	1	☒	6020	Total/NA
Lead	9.4		0.097		mg/Kg	1	☒	6020	Total/NA
Nickel	11		0.16		mg/Kg	1	☒	6020	Total/NA
Selenium	0.44		0.19		mg/Kg	1	☒	6020	Total/NA
Zinc	48		0.97		mg/Kg	1	☒	6020	Total/NA
pH - Sat Paste	8.3	HF	0.1		SU	1		9045D	Total/NA
Specific Conductance	1400		1.0		umhos/cm	1		9050A	Soluble

## Client Sample ID: Black Gold 32-33 SS2

## Lab Sample ID: 280-180318-6

Analyte	Result	Qualifier	RL	RL	Unit	Dil Fac	D	Method	Prep Type
Sodium Adsorption Ratio	1.8		1.2		No Unit	10		20B	Soluble
Barium	110		0.92		mg/Kg	1	☒	6010B	Total/NA
Arsenic	1.7		0.092		mg/Kg	1	☒	6020	Total/NA
Copper	10		0.23		mg/Kg	1	☒	6020	Total/NA
Lead	6.5		0.092		mg/Kg	1	☒	6020	Total/NA
Nickel	8.9		0.16		mg/Kg	1	☒	6020	Total/NA
Selenium	0.24		0.18		mg/Kg	1	☒	6020	Total/NA
Zinc	35		0.92		mg/Kg	1	☒	6020	Total/NA
pH - Sat Paste	7.1	HF	0.1		SU	1		9045D	Total/NA
Specific Conductance	1700		1.0		umhos/cm	1		9050A	Soluble

## Client Sample ID: Black Gold 32-33 SS3

## Lab Sample ID: 280-180318-7

Analyte	Result	Qualifier	RL	RL	Unit	Dil Fac	D	Method	Prep Type
Sodium Adsorption Ratio	15		1.2		No Unit	10		20B	Soluble
Barium	140		0.99		mg/Kg	1	☒	6010B	Total/NA
Arsenic	1.9		0.099		mg/Kg	1	☒	6020	Total/NA
Copper	13		0.25		mg/Kg	1	☒	6020	Total/NA
Lead	7.4		0.099		mg/Kg	1	☒	6020	Total/NA
Nickel	10		0.17		mg/Kg	1	☒	6020	Total/NA
Selenium	0.27		0.20		mg/Kg	1	☒	6020	Total/NA
Zinc	40		0.99		mg/Kg	1	☒	6020	Total/NA
pH - Sat Paste	10.3	HF	0.1		SU	1		9045D	Total/NA
Specific Conductance	1400		1.0		umhos/cm	1		9050A	Soluble

## Client Sample ID: Black Gold 32-33 Native

## Lab Sample ID: 280-180318-8

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Barium	91		0.72		mg/Kg	1	☒	6010B	Total/NA
Arsenic	2.1		0.072		mg/Kg	1	☒	6020	Total/NA
Copper	6.2		0.18		mg/Kg	1	☒	6020	Total/NA
Lead	5.5		0.072		mg/Kg	1	☒	6020	Total/NA
Nickel	7.3		0.12		mg/Kg	1	☒	6020	Total/NA
Selenium	0.30		0.14		mg/Kg	1	☒	6020	Total/NA
Zinc	28		0.72		mg/Kg	1	☒	6020	Total/NA
pH - Sat Paste	6.5	HF	0.1		SU	1		9045D	Total/NA
Specific Conductance	640		1.0		umhos/cm	1		9050A	Soluble

This Detection Summary does not include radiochemical test results.

Eurofins Denver

# Detection Summary

Client: Evergreen Natural Resources LLC  
 Project/Site: 915 Full Soil Suite

Job ID: 280-180318-1

## Client Sample ID: Lavedure 44-7R SS1

## Lab Sample ID: 280-180318-9

Analyte	Result	Qualifier	RL	RL	Unit	Dil Fac	D	Method	Prep Type
Sodium Adsorption Ratio	1.6		1.2		No Unit	10		20B	Soluble
Barium	77		0.78		mg/Kg	1	✳	6010B	Total/NA
Arsenic	1.4		0.078		mg/Kg	1	✳	6020	Total/NA
Copper	11		0.19		mg/Kg	1	✳	6020	Total/NA
Lead	6.0		0.078		mg/Kg	1	✳	6020	Total/NA
Nickel	9.1		0.13		mg/Kg	1	✳	6020	Total/NA
Selenium	0.29		0.16		mg/Kg	1	✳	6020	Total/NA
Zinc	31		0.78		mg/Kg	1	✳	6020	Total/NA
pH - Sat Paste	7.7	HF	0.1		SU	1		9045D	Total/NA
Specific Conductance	480		1.0		umhos/cm	1		9050A	Soluble

## Client Sample ID: Lavedure 44-7R SS2

## Lab Sample ID: 280-180318-10

Analyte	Result	Qualifier	RL	RL	Unit	Dil Fac	D	Method	Prep Type
Sodium Adsorption Ratio	2.1		1.2		No Unit	10		20B	Soluble
Barium	220		0.86		mg/Kg	1	✳	6010B	Total/NA
Arsenic	2.4		0.086		mg/Kg	1	✳	6020	Total/NA
Copper	21		0.21		mg/Kg	1	✳	6020	Total/NA
Lead	10		0.086		mg/Kg	1	✳	6020	Total/NA
Nickel	12		0.14		mg/Kg	1	✳	6020	Total/NA
Selenium	0.54		0.17		mg/Kg	1	✳	6020	Total/NA
Zinc	52		0.86		mg/Kg	1	✳	6020	Total/NA
pH - Sat Paste	7.4	HF	0.1		SU	1		9045D	Total/NA
Specific Conductance	590		1.0		umhos/cm	1		9050A	Soluble

## Client Sample ID: Lavedure 44-7R SS3

## Lab Sample ID: 280-180318-11

Analyte	Result	Qualifier	RL	RL	Unit	Dil Fac	D	Method	Prep Type
Sodium Adsorption Ratio	6.5		1.2		No Unit	10		20B	Soluble
Barium	190		0.82		mg/Kg	1	✳	6010B	Total/NA
Arsenic	2.5		0.082		mg/Kg	1	✳	6020	Total/NA
Copper	18		0.21		mg/Kg	1	✳	6020	Total/NA
Lead	9.0		0.082		mg/Kg	1	✳	6020	Total/NA
Nickel	14		0.14		mg/Kg	1	✳	6020	Total/NA
Selenium	0.30		0.16		mg/Kg	1	✳	6020	Total/NA
Zinc	53		0.82		mg/Kg	1	✳	6020	Total/NA
pH - Sat Paste	8.0	HF	0.1		SU	1		9045D	Total/NA
Specific Conductance	1100		1.0		umhos/cm	1		9050A	Soluble

## Client Sample ID: Lavedure 44-7R Native

## Lab Sample ID: 280-180318-12

Analyte	Result	Qualifier	RL	RL	Unit	Dil Fac	D	Method	Prep Type
Sodium Adsorption Ratio	1.2		1.2		No Unit	10		20B	Soluble
Barium	100		0.88		mg/Kg	1	✳	6010B	Total/NA
Arsenic	1.1		0.088		mg/Kg	1	✳	6020	Total/NA
Copper	12		0.22		mg/Kg	1	✳	6020	Total/NA
Lead	6.3		0.088		mg/Kg	1	✳	6020	Total/NA
Nickel	11		0.15		mg/Kg	1	✳	6020	Total/NA
Selenium	0.19		0.18		mg/Kg	1	✳	6020	Total/NA
Zinc	35		0.88		mg/Kg	1	✳	6020	Total/NA
pH - Sat Paste	7.8	HF	0.1		SU	1		9045D	Total/NA
Specific Conductance	520		1.0		umhos/cm	1		9050A	Soluble

This Detection Summary does not include radiochemical test results.

Eurofins Denver

# Method Summary

Client: Evergreen Natural Resources LLC  
Project/Site: 915 Full Soil Suite

Job ID: 280-180318-1

Method	Method Description	Protocol	Laboratory
20B	Sodium Adsorption Ratio	USDA	EET DEN
6010B	Total Metals	SW846	EET DEN
6020	Total Metals by ICP-MS	SW846	EET DEN
7196A	Chromium, Hexavalent	SW846	EET PIT
9045D	pH	SW846	EET CC
9050A	Specific Conductance	SW846	EET CC
Moisture	Percent Moisture	EPA	EET DEN
20B	Preparation, Sodium Absorption Ratio	USDA	EET DEN
3050B	Preparation, Metals	SW846	EET DEN
3060A	Alkaline Digestion (Chromium, Hexavalent)	SW846	EET PIT
Sat Paste Ext	Saturated Paste Extraction	TAL SOP	EET CC

#### Protocol References:

EPA = US Environmental Protection Agency

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

TAL SOP = TestAmerica Laboratories, Standard Operating Procedure

USDA = "USDA Agriculture Handbook 60, section 20B".

#### Laboratory References:

EET CC = Eurofins Corpus Christi, 1733 N. Padre Island Drive, Corpus Christi, TX 78408, TEL (361)289-2471

EET DEN = Eurofins Denver, 4955 Yarrow Street, Arvada, CO 80002, TEL (303)736-0100

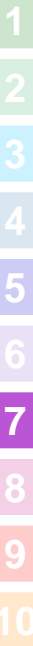
EET PIT = Eurofins Pittsburgh, 301 Alpha Drive, RIDC Park, Pittsburgh, PA 15238, TEL (412)963-7058

# Sample Summary

Client: Evergreen Natural Resources LLC  
Project/Site: 915 Full Soil Suite

Job ID: 280-180318-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
280-180318-1	Rock Springs 34-33 SS1	Solid	08/08/23 11:40	08/15/23 08:15
280-180318-2	Rock Springs 34-33 SS2	Solid	08/08/23 11:40	08/15/23 08:15
280-180318-3	Rock Springs 34-33 SS3	Solid	08/08/23 11:40	08/15/23 08:15
280-180318-4	Rock Springs 34-33 Native	Solid	08/08/23 11:40	08/15/23 08:15
280-180318-5	Black Gold 32-33 SS1	Solid	08/08/23 12:00	08/15/23 08:15
280-180318-6	Black Gold 32-33 SS2	Solid	08/08/23 12:00	08/15/23 08:15
280-180318-7	Black Gold 32-33 SS3	Solid	08/08/23 12:00	08/15/23 08:15
280-180318-8	Black Gold 32-33 Native	Solid	08/08/23 12:00	08/15/23 08:15
280-180318-9	Lavedure 44-7R SS1	Solid	08/09/23 09:50	08/15/23 08:15
280-180318-10	Lavedure 44-7R SS2	Solid	08/09/23 09:50	08/15/23 08:15
280-180318-11	Lavedure 44-7R SS3	Solid	08/09/23 09:50	08/15/23 08:15
280-180318-12	Lavedure 44-7R Native	Solid	08/09/23 09:50	08/15/23 08:15



# Client Sample Results

Client: Evergreen Natural Resources LLC  
 Project/Site: 915 Full Soil Suite

Job ID: 280-180318-1

**Client Sample ID: Rock Springs 34-33 SS1**

**Lab Sample ID: 280-180318-1**

Date Collected: 08/08/23 11:40

Matrix: Solid

Date Received: 08/15/23 08:15

Percent Solids: 73.6

**Method: USDA 20B - Sodium Adsorption Ratio - Soluble**

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Sodium Adsorption Ratio	16		1.2		No Unit		08/21/23 09:09	08/29/23 16:23	10

**Method: SW846 6010B - Total Metals**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Barium	300		1.0		mg/Kg	☆	08/21/23 07:44	08/22/23 06:02	1
Boron	ND	F1	10		mg/Kg	☆	08/21/23 07:44	08/22/23 06:02	1
Cadmium	ND		0.51		mg/Kg	☆	08/21/23 07:44	08/22/23 06:02	1
Silver	ND		1.0		mg/Kg	☆	08/21/23 07:44	08/22/23 06:02	1

**Method: SW846 6020 - Total Metals by ICP-MS**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	1.1		0.11		mg/Kg	☆	08/21/23 07:44	08/22/23 10:43	1
Copper	21		0.26		mg/Kg	☆	08/21/23 07:44	08/22/23 10:43	1
Lead	7.7		0.11		mg/Kg	☆	08/21/23 07:44	08/22/23 10:43	1
Nickel	17		0.18		mg/Kg	☆	08/21/23 07:44	08/22/23 10:43	1
Selenium	ND		0.21		mg/Kg	☆	08/21/23 07:44	08/22/23 10:43	1
Zinc	57		1.1		mg/Kg	☆	08/21/23 07:44	08/22/23 10:43	1

**General Chemistry**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cr (VI) (SW846 7196A)	ND		0.55		mg/Kg	☆	08/23/23 12:27	08/26/23 12:47	1

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
pH - Sat Paste (SW846 9045D)	8.4	HF	0.1		SU			08/18/23 13:00	1
Percent Moisture (EPA Moisture)	26.4		0.1		%			08/18/23 15:04	1

**General Chemistry - Soluble**

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Specific Conductance (SW846 9050A)	1100		1.0		umhos/cm		08/22/23 13:40	08/23/23 10:41	1

# Client Sample Results

Client: Evergreen Natural Resources LLC  
 Project/Site: 915 Full Soil Suite

Job ID: 280-180318-1

**Client Sample ID: Rock Springs 34-33 SS2**

**Lab Sample ID: 280-180318-2**

Date Collected: 08/08/23 11:40

Matrix: Solid

Date Received: 08/15/23 08:15

Percent Solids: 75.7

**Method: USDA 20B - Sodium Adsorption Ratio - Soluble**

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Sodium Adsorption Ratio	11		1.2		No Unit		08/21/23 09:09	08/29/23 16:23	10

**Method: SW846 6010B - Total Metals**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Barium	180		1.0		mg/Kg	☆	08/21/23 07:44	08/22/23 06:25	1
Boron	ND		10		mg/Kg	☆	08/21/23 07:44	08/22/23 06:25	1
Cadmium	ND		0.51		mg/Kg	☆	08/21/23 07:44	08/22/23 06:25	1
Silver	ND		1.0		mg/Kg	☆	08/21/23 07:44	08/22/23 06:25	1

**Method: SW846 6020 - Total Metals by ICP-MS**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	1.2		0.10		mg/Kg	☆	08/21/23 07:44	08/22/23 11:01	1
Copper	18		0.25		mg/Kg	☆	08/21/23 07:44	08/22/23 11:01	1
Lead	7.3		0.10		mg/Kg	☆	08/21/23 07:44	08/22/23 11:01	1
Nickel	15		0.17		mg/Kg	☆	08/21/23 07:44	08/22/23 11:01	1
Selenium	0.24		0.20		mg/Kg	☆	08/21/23 07:44	08/22/23 11:01	1
Zinc	48		1.0		mg/Kg	☆	08/21/23 07:44	08/22/23 11:01	1

**General Chemistry**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cr (VI) (SW846 7196A)	ND		0.52		mg/Kg	☆	08/23/23 12:27	08/26/23 12:48	1

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
pH - Sat Paste (SW846 9045D)	8.1	HF	0.1		SU			08/18/23 13:00	1
Percent Moisture (EPA Moisture)	24.3		0.1		%			08/18/23 15:04	1

**General Chemistry - Soluble**

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Specific Conductance (SW846 9050A)	940		1.0		umhos/cm		08/22/23 13:40	08/23/23 10:41	1

# Client Sample Results

Client: Evergreen Natural Resources LLC  
 Project/Site: 915 Full Soil Suite

Job ID: 280-180318-1

**Client Sample ID: Rock Springs 34-33 SS3**

**Lab Sample ID: 280-180318-3**

Date Collected: 08/08/23 11:40

Matrix: Solid

Date Received: 08/15/23 08:15

Percent Solids: 92.1

**Method: USDA 20B - Sodium Adsorption Ratio - Soluble**

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Sodium Adsorption Ratio	7.2		1.2		No Unit		08/21/23 09:09	08/29/23 16:23	10

**Method: SW846 6010B - Total Metals**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Barium	200		1.0		mg/Kg	☆	08/21/23 07:44	08/22/23 06:29	1
Boron	ND		10		mg/Kg	☆	08/21/23 07:44	08/22/23 06:29	1
Cadmium	ND		0.50		mg/Kg	☆	08/21/23 07:44	08/22/23 06:29	1
Silver	ND		1.0		mg/Kg	☆	08/21/23 07:44	08/22/23 06:29	1

**Method: SW846 6020 - Total Metals by ICP-MS**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	1.4		0.10		mg/Kg	☆	08/21/23 07:44	08/22/23 11:05	1
Copper	22		0.25		mg/Kg	☆	08/21/23 07:44	08/22/23 11:05	1
Lead	9.0		0.10		mg/Kg	☆	08/21/23 07:44	08/22/23 11:05	1
Nickel	19		0.17		mg/Kg	☆	08/21/23 07:44	08/22/23 11:05	1
Selenium	ND		0.20		mg/Kg	☆	08/21/23 07:44	08/22/23 11:05	1
Zinc	64		1.0		mg/Kg	☆	08/21/23 07:44	08/22/23 11:05	1

**General Chemistry**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cr (VI) (SW846 7196A)	ND		0.43		mg/Kg	☆	08/23/23 12:27	08/26/23 12:51	1

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
pH - Sat Paste (SW846 9045D)	7.9	HF	0.1		SU			08/18/23 13:00	1
Percent Moisture (EPA Moisture)	7.9		0.1		%			08/18/23 15:04	1

**General Chemistry - Soluble**

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Specific Conductance (SW846 9050A)	1100		1.0		umhos/cm		08/22/23 13:40	08/23/23 10:41	1

# Client Sample Results

Client: Evergreen Natural Resources LLC  
Project/Site: 915 Full Soil Suite

Job ID: 280-180318-1

**Client Sample ID: Rock Springs 34-33 Native**

**Lab Sample ID: 280-180318-4**

Date Collected: 08/08/23 11:40

Matrix: Solid

Date Received: 08/15/23 08:15

Percent Solids: 95.8

## Method: USDA 20B - Sodium Adsorption Ratio - Soluble

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Sodium Adsorption Ratio	ND		1.2		No Unit		08/21/23 09:09	08/29/23 16:23	10

## Method: SW846 6010B - Total Metals

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Barium	130		1.0		mg/Kg	☆	08/21/23 07:44	08/22/23 06:34	1
Boron	ND		10		mg/Kg	☆	08/21/23 07:44	08/22/23 06:34	1
Cadmium	ND		0.51		mg/Kg	☆	08/21/23 07:44	08/22/23 06:34	1
Silver	ND		1.0		mg/Kg	☆	08/21/23 07:44	08/22/23 06:34	1

## Method: SW846 6020 - Total Metals by ICP-MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	0.92		0.10		mg/Kg	☆	08/21/23 07:44	08/22/23 11:08	1
Copper	12		0.26		mg/Kg	☆	08/21/23 07:44	08/22/23 11:08	1
Lead	6.3		0.10		mg/Kg	☆	08/21/23 07:44	08/22/23 11:08	1
Nickel	13		0.17		mg/Kg	☆	08/21/23 07:44	08/22/23 11:08	1
Selenium	ND		0.21		mg/Kg	☆	08/21/23 07:44	08/22/23 11:08	1
Zinc	37		1.0		mg/Kg	☆	08/21/23 07:44	08/22/23 11:08	1

## General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cr (VI) (SW846 7196A)	ND		0.41		mg/Kg	☆	08/23/23 12:27	08/26/23 12:52	1

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
pH - Sat Paste (SW846 9045D)	6.7	HF	0.1		SU			08/18/23 13:00	1
Percent Moisture (EPA Moisture)	4.2		0.1		%			08/18/23 15:04	1

## General Chemistry - Soluble

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Specific Conductance (SW846 9050A)	320		1.0		umhos/cm		08/22/23 13:40	08/23/23 10:41	1

# Client Sample Results

Client: Evergreen Natural Resources LLC  
 Project/Site: 915 Full Soil Suite

Job ID: 280-180318-1

**Client Sample ID: Black Gold 32-33 SS1**

**Lab Sample ID: 280-180318-5**

Date Collected: 08/08/23 12:00

Matrix: Solid

Date Received: 08/15/23 08:15

Percent Solids: 87.5

**Method: USDA 20B - Sodium Adsorption Ratio - Soluble**

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Sodium Adsorption Ratio	8.6		1.2		No Unit		08/21/23 09:09	08/29/23 16:23	10

**Method: SW846 6010B - Total Metals**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Barium	140		0.97		mg/Kg	☆	08/21/23 07:44	08/22/23 06:38	1
Boron	ND		9.7		mg/Kg	☆	08/21/23 07:44	08/22/23 06:38	1
Cadmium	ND		0.48		mg/Kg	☆	08/21/23 07:44	08/22/23 06:38	1
Silver	ND		0.97		mg/Kg	☆	08/21/23 07:44	08/22/23 06:38	1

**Method: SW846 6020 - Total Metals by ICP-MS**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	2.2		0.097		mg/Kg	☆	08/21/23 07:44	08/22/23 11:26	1
Copper	14		0.24		mg/Kg	☆	08/21/23 07:44	08/22/23 11:26	1
Lead	9.4		0.097		mg/Kg	☆	08/21/23 07:44	08/22/23 11:26	1
Nickel	11		0.16		mg/Kg	☆	08/21/23 07:44	08/22/23 11:26	1
Selenium	0.44		0.19		mg/Kg	☆	08/21/23 07:44	08/22/23 11:26	1
Zinc	48		0.97		mg/Kg	☆	08/21/23 07:44	08/22/23 11:26	1

**General Chemistry**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cr (VI) (SW846 7196A)	ND		2.3		mg/Kg	☆	08/23/23 12:27	08/26/23 13:05	5

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
pH - Sat Paste (SW846 9045D)	8.3	HF	0.1		SU			08/18/23 13:00	1
Percent Moisture (EPA Moisture)	12.5		0.1		%			08/18/23 15:04	1

**General Chemistry - Soluble**

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Specific Conductance (SW846 9050A)	1400		1.0		umhos/cm		08/22/23 13:40	08/23/23 10:41	1

# Client Sample Results

Client: Evergreen Natural Resources LLC  
 Project/Site: 915 Full Soil Suite

Job ID: 280-180318-1

**Client Sample ID: Black Gold 32-33 SS2**

**Lab Sample ID: 280-180318-6**

Date Collected: 08/08/23 12:00

Matrix: Solid

Date Received: 08/15/23 08:15

Percent Solids: 90.2

**Method: USDA 20B - Sodium Adsorption Ratio - Soluble**

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Sodium Adsorption Ratio	1.8		1.2		No Unit		08/21/23 09:09	08/29/23 16:23	10

**Method: SW846 6010B - Total Metals**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Barium	110		0.92		mg/Kg	☆	08/21/23 07:44	08/22/23 06:59	1
Boron	ND		9.2		mg/Kg	☆	08/21/23 07:44	08/22/23 06:59	1
Cadmium	ND		0.46		mg/Kg	☆	08/21/23 07:44	08/22/23 06:59	1
Silver	ND		0.92		mg/Kg	☆	08/21/23 07:44	08/22/23 06:59	1

**Method: SW846 6020 - Total Metals by ICP-MS**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	1.7		0.092		mg/Kg	☆	08/21/23 07:44	08/22/23 11:29	1
Copper	10		0.23		mg/Kg	☆	08/21/23 07:44	08/22/23 11:29	1
Lead	6.5		0.092		mg/Kg	☆	08/21/23 07:44	08/22/23 11:29	1
Nickel	8.9		0.16		mg/Kg	☆	08/21/23 07:44	08/22/23 11:29	1
Selenium	0.24		0.18		mg/Kg	☆	08/21/23 07:44	08/22/23 11:29	1
Zinc	35		0.92		mg/Kg	☆	08/21/23 07:44	08/22/23 11:29	1

**General Chemistry**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cr (VI) (SW846 7196A)	ND		0.44		mg/Kg	☆	08/23/23 12:27	08/26/23 13:05	1

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
pH - Sat Paste (SW846 9045D)	7.1	HF	0.1		SU			08/18/23 13:00	1
Percent Moisture (EPA Moisture)	9.8		0.1		%			08/18/23 15:04	1

**General Chemistry - Soluble**

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Specific Conductance (SW846 9050A)	1700		1.0		umhos/cm		08/22/23 13:40	08/23/23 10:41	1

# Client Sample Results

Client: Evergreen Natural Resources LLC  
 Project/Site: 915 Full Soil Suite

Job ID: 280-180318-1

**Client Sample ID: Black Gold 32-33 SS3**

**Lab Sample ID: 280-180318-7**

Date Collected: 08/08/23 12:00

Matrix: Solid

Date Received: 08/15/23 08:15

Percent Solids: 85.6

**Method: USDA 20B - Sodium Adsorption Ratio - Soluble**

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Sodium Adsorption Ratio	15		1.2		No Unit		08/21/23 09:09	08/29/23 16:23	10

**Method: SW846 6010B - Total Metals**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Barium	140		0.99		mg/Kg	☆	08/21/23 07:44	08/22/23 07:04	1
Boron	ND		9.9		mg/Kg	☆	08/21/23 07:44	08/22/23 07:04	1
Cadmium	ND		0.49		mg/Kg	☆	08/21/23 07:44	08/22/23 07:04	1
Silver	ND		0.99		mg/Kg	☆	08/21/23 07:44	08/22/23 07:04	1

**Method: SW846 6020 - Total Metals by ICP-MS**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	1.9		0.099		mg/Kg	☆	08/21/23 07:44	08/22/23 11:33	1
Copper	13		0.25		mg/Kg	☆	08/21/23 07:44	08/22/23 11:33	1
Lead	7.4		0.099		mg/Kg	☆	08/21/23 07:44	08/22/23 11:33	1
Nickel	10		0.17		mg/Kg	☆	08/21/23 07:44	08/22/23 11:33	1
Selenium	0.27		0.20		mg/Kg	☆	08/21/23 07:44	08/22/23 11:33	1
Zinc	40		0.99		mg/Kg	☆	08/21/23 07:44	08/22/23 11:33	1

**General Chemistry**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cr (VI) (SW846 7196A)	ND		0.46		mg/Kg	☆	08/23/23 12:27	08/26/23 13:07	1

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
pH - Sat Paste (SW846 9045D)	10.3	HF	0.1		SU			08/18/23 13:00	1
Percent Moisture (EPA Moisture)	14.4		0.1		%			08/18/23 15:04	1

**General Chemistry - Soluble**

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Specific Conductance (SW846 9050A)	1400		1.0		umhos/cm		08/22/23 13:40	08/23/23 10:41	1

# Client Sample Results

Client: Evergreen Natural Resources LLC  
 Project/Site: 915 Full Soil Suite

Job ID: 280-180318-1

**Client Sample ID: Black Gold 32-33 Native**

**Lab Sample ID: 280-180318-8**

Date Collected: 08/08/23 12:00

Matrix: Solid

Date Received: 08/15/23 08:15

Percent Solids: 95.5

**Method: USDA 20B - Sodium Adsorption Ratio - Soluble**

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Sodium Adsorption Ratio	ND		1.2		No Unit		08/21/23 09:09	08/29/23 16:23	10

**Method: SW846 6010B - Total Metals**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Barium	91		0.72		mg/Kg	☆	08/21/23 07:44	08/22/23 07:08	1
Boron	ND		7.2		mg/Kg	☆	08/21/23 07:44	08/22/23 07:08	1
Cadmium	ND		0.36		mg/Kg	☆	08/21/23 07:44	08/22/23 07:08	1
Silver	ND		0.72		mg/Kg	☆	08/21/23 07:44	08/22/23 07:08	1

**Method: SW846 6020 - Total Metals by ICP-MS**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	2.1		0.072		mg/Kg	☆	08/21/23 07:44	08/22/23 11:36	1
Copper	6.2		0.18		mg/Kg	☆	08/21/23 07:44	08/22/23 11:36	1
Lead	5.5		0.072		mg/Kg	☆	08/21/23 07:44	08/22/23 11:36	1
Nickel	7.3		0.12		mg/Kg	☆	08/21/23 07:44	08/22/23 11:36	1
Selenium	0.30		0.14		mg/Kg	☆	08/21/23 07:44	08/22/23 11:36	1
Zinc	28		0.72		mg/Kg	☆	08/21/23 07:44	08/22/23 11:36	1

**General Chemistry**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cr (VI) (SW846 7196A)	ND		2.1		mg/Kg	☆	08/23/23 12:27	08/26/23 13:09	5

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
pH - Sat Paste (SW846 9045D)	6.5	HF	0.1		SU			08/18/23 13:00	1
Percent Moisture (EPA Moisture)	4.5		0.1		%			08/18/23 15:04	1

**General Chemistry - Soluble**

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Specific Conductance (SW846 9050A)	640		1.0		umhos/cm		08/22/23 13:40	08/23/23 10:41	1

# Client Sample Results

Client: Evergreen Natural Resources LLC  
 Project/Site: 915 Full Soil Suite

Job ID: 280-180318-1

**Client Sample ID: Lavedure 44-7R SS1**

**Lab Sample ID: 280-180318-9**

Date Collected: 08/09/23 09:50

Matrix: Solid

Date Received: 08/15/23 08:15

Percent Solids: 94.5

**Method: USDA 20B - Sodium Adsorption Ratio - Soluble**

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Sodium Adsorption Ratio	1.6		1.2		No Unit		08/21/23 09:09	08/29/23 16:23	10

**Method: SW846 6010B - Total Metals**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Barium	77		0.78		mg/Kg	☆	08/21/23 07:44	08/22/23 07:13	1
Boron	ND		7.8		mg/Kg	☆	08/21/23 07:44	08/22/23 07:13	1
Cadmium	ND		0.39		mg/Kg	☆	08/21/23 07:44	08/22/23 07:13	1
Silver	ND		0.78		mg/Kg	☆	08/21/23 07:44	08/22/23 07:13	1

**Method: SW846 6020 - Total Metals by ICP-MS**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	1.4		0.078		mg/Kg	☆	08/21/23 07:44	08/22/23 11:40	1
Copper	11		0.19		mg/Kg	☆	08/21/23 07:44	08/22/23 11:40	1
Lead	6.0		0.078		mg/Kg	☆	08/21/23 07:44	08/22/23 11:40	1
Nickel	9.1		0.13		mg/Kg	☆	08/21/23 07:44	08/22/23 11:40	1
Selenium	0.29		0.16		mg/Kg	☆	08/21/23 07:44	08/22/23 11:40	1
Zinc	31		0.78		mg/Kg	☆	08/21/23 07:44	08/22/23 11:40	1

**General Chemistry**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cr (VI) (SW846 7196A)	ND		0.42		mg/Kg	☆	08/23/23 12:27	08/26/23 13:10	1

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
pH - Sat Paste (SW846 9045D)	7.7	HF	0.1		SU			08/18/23 13:00	1
Percent Moisture (EPA Moisture)	5.5		0.1		%			08/18/23 15:04	1

**General Chemistry - Soluble**

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Specific Conductance (SW846 9050A)	480		1.0		umhos/cm		08/22/23 13:40	08/23/23 10:41	1

# Client Sample Results

Client: Evergreen Natural Resources LLC  
 Project/Site: 915 Full Soil Suite

Job ID: 280-180318-1

**Client Sample ID: Lavedure 44-7R SS2**

**Lab Sample ID: 280-180318-10**

Date Collected: 08/09/23 09:50

Matrix: Solid

Date Received: 08/15/23 08:15

Percent Solids: 90.2

**Method: USDA 20B - Sodium Adsorption Ratio - Soluble**

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Sodium Adsorption Ratio	2.1		1.2		No Unit		08/21/23 09:09	08/29/23 16:23	10

**Method: SW846 6010B - Total Metals**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Barium	220		0.86		mg/Kg	☆	08/21/23 07:44	08/22/23 07:17	1
Boron	ND		8.6		mg/Kg	☆	08/21/23 07:44	08/22/23 07:17	1
Cadmium	ND		0.43		mg/Kg	☆	08/21/23 07:44	08/22/23 07:17	1
Silver	ND		0.86		mg/Kg	☆	08/21/23 07:44	08/22/23 07:17	1

**Method: SW846 6020 - Total Metals by ICP-MS**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	2.4		0.086		mg/Kg	☆	08/21/23 07:44	08/22/23 11:44	1
Copper	21		0.21		mg/Kg	☆	08/21/23 07:44	08/22/23 11:44	1
Lead	10		0.086		mg/Kg	☆	08/21/23 07:44	08/22/23 11:44	1
Nickel	12		0.14		mg/Kg	☆	08/21/23 07:44	08/22/23 11:44	1
Selenium	0.54		0.17		mg/Kg	☆	08/21/23 07:44	08/22/23 11:44	1
Zinc	52		0.86		mg/Kg	☆	08/21/23 07:44	08/22/23 11:44	1

**General Chemistry**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cr (VI) (SW846 7196A)	ND		0.44		mg/Kg	☆	08/23/23 12:27	08/26/23 13:11	1

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
pH - Sat Paste (SW846 9045D)	7.4	HF	0.1		SU			08/18/23 13:00	1
Percent Moisture (EPA Moisture)	9.8		0.1		%			08/18/23 15:04	1

**General Chemistry - Soluble**

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Specific Conductance (SW846 9050A)	590		1.0		umhos/cm		08/22/23 13:40	08/23/23 10:41	1

# Client Sample Results

Client: Evergreen Natural Resources LLC  
 Project/Site: 915 Full Soil Suite

Job ID: 280-180318-1

**Client Sample ID: Lavedure 44-7R SS3**

**Lab Sample ID: 280-180318-11**

Date Collected: 08/09/23 09:50

Matrix: Solid

Date Received: 08/15/23 08:15

Percent Solids: 88.7

**Method: USDA 20B - Sodium Adsorption Ratio - Soluble**

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Sodium Adsorption Ratio	6.5		1.2		No Unit		08/21/23 09:09	08/29/23 16:23	10

**Method: SW846 6010B - Total Metals**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Barium	190		0.82		mg/Kg	☆	08/21/23 07:44	08/22/23 07:22	1
Boron	ND		8.2		mg/Kg	☆	08/21/23 07:44	08/22/23 07:22	1
Cadmium	ND		0.41		mg/Kg	☆	08/21/23 07:44	08/22/23 07:22	1
Silver	ND		0.82		mg/Kg	☆	08/21/23 07:44	08/22/23 07:22	1

**Method: SW846 6020 - Total Metals by ICP-MS**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	2.5		0.082		mg/Kg	☆	08/21/23 07:44	08/22/23 11:47	1
Copper	18		0.21		mg/Kg	☆	08/21/23 07:44	08/22/23 11:47	1
Lead	9.0		0.082		mg/Kg	☆	08/21/23 07:44	08/22/23 11:47	1
Nickel	14		0.14		mg/Kg	☆	08/21/23 07:44	08/22/23 11:47	1
Selenium	0.30		0.16		mg/Kg	☆	08/21/23 07:44	08/22/23 11:47	1
Zinc	53		0.82		mg/Kg	☆	08/21/23 07:44	08/22/23 11:47	1

**General Chemistry**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cr (VI) (SW846 7196A)	ND		0.45		mg/Kg	☆	08/23/23 12:27	08/26/23 13:15	1

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
pH - Sat Paste (SW846 9045D)	8.0	HF	0.1		SU			08/18/23 13:00	1
Percent Moisture (EPA Moisture)	11.3		0.1		%			08/18/23 15:04	1

**General Chemistry - Soluble**

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Specific Conductance (SW846 9050A)	1100		1.0		umhos/cm		08/22/23 13:40	08/23/23 10:41	1

# Client Sample Results

Client: Evergreen Natural Resources LLC  
 Project/Site: 915 Full Soil Suite

Job ID: 280-180318-1

**Client Sample ID: Lavedure 44-7R Native**

**Lab Sample ID: 280-180318-12**

Date Collected: 08/09/23 09:50

Matrix: Solid

Date Received: 08/15/23 08:15

Percent Solids: 93.3

**Method: USDA 20B - Sodium Adsorption Ratio - Soluble**

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Sodium Adsorption Ratio	1.2		1.2		No Unit		08/21/23 09:09	08/29/23 16:23	10

**Method: SW846 6010B - Total Metals**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Barium	100		0.88		mg/Kg	☆	08/21/23 07:44	08/22/23 07:26	1
Boron	ND		8.8		mg/Kg	☆	08/21/23 07:44	08/22/23 07:26	1
Cadmium	ND		0.44		mg/Kg	☆	08/21/23 07:44	08/22/23 07:26	1
Silver	ND		0.88		mg/Kg	☆	08/21/23 07:44	08/22/23 07:26	1

**Method: SW846 6020 - Total Metals by ICP-MS**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	1.1		0.088		mg/Kg	☆	08/21/23 07:44	08/22/23 11:51	1
Copper	12		0.22		mg/Kg	☆	08/21/23 07:44	08/22/23 11:51	1
Lead	6.3		0.088		mg/Kg	☆	08/21/23 07:44	08/22/23 11:51	1
Nickel	11		0.15		mg/Kg	☆	08/21/23 07:44	08/22/23 11:51	1
Selenium	0.19		0.18		mg/Kg	☆	08/21/23 07:44	08/22/23 11:51	1
Zinc	35		0.88		mg/Kg	☆	08/21/23 07:44	08/22/23 11:51	1

**General Chemistry**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cr (VI) (SW846 7196A)	ND		0.43		mg/Kg	☆	08/23/23 12:27	08/26/23 13:17	1
Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
pH - Sat Paste (SW846 9045D)	7.8	HF	0.1		SU			08/18/23 13:00	1
Percent Moisture (EPA Moisture)	6.7		0.1		%			08/18/23 15:04	1

**General Chemistry - Soluble**

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Specific Conductance (SW846 9050A)	520		1.0		umhos/cm		08/22/23 13:40	08/23/23 10:41	1

# Lab Chronicle

Client: Evergreen Natural Resources LLC  
 Project/Site: 915 Full Soil Suite

Job ID: 280-180318-1

## Client Sample ID: Rock Springs 34-33 SS1

## Lab Sample ID: 280-180318-1

Date Collected: 08/08/23 11:40

Matrix: Solid

Date Received: 08/15/23 08:15

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Soluble	Prep	20B			102.456 g	5 mL	623600	08/21/23 09:09	LJS	EET DEN
Soluble	Analysis	20B		10			624646	08/29/23 16:23	BN	EET DEN
Total/NA	Analysis	9045D		1	20 g	20 mL	207247	08/18/23 13:00	JET	EET CC
Soluble	Prep	Sat Paste Ext			20 g	20 mL	207334	08/22/23 13:40	RJD	EET CC
Soluble	Analysis	9050A		1			207369	08/23/23 10:41	JET	EET CC
Total/NA	Analysis	Moisture		1			623517	08/18/23 15:04	EJS	EET DEN

## Client Sample ID: Rock Springs 34-33 SS1

## Lab Sample ID: 280-180318-1

Date Collected: 08/08/23 11:40

Matrix: Solid

Date Received: 08/15/23 08:15

Percent Solids: 73.6

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			1.322 g	100 mL	623229	08/21/23 07:44	LJS	EET DEN
Total/NA	Analysis	6010B		1			623766	08/22/23 06:02	ADL	EET DEN
Total/NA	Prep	3050B			1.286 g	100 mL	623229	08/21/23 07:44	LJS	EET DEN
Total/NA	Analysis	6020		1			623801	08/22/23 10:43	LMT	EET DEN
Total/NA	Prep	3060A			2.46 g	100 mL	444434	08/23/23 12:27	CMC	EET PIT
Total/NA	Analysis	7196A		1	4 mL	4 mL	444734	08/26/23 12:47	CMC	EET PIT

## Client Sample ID: Rock Springs 34-33 SS2

## Lab Sample ID: 280-180318-2

Date Collected: 08/08/23 11:40

Matrix: Solid

Date Received: 08/15/23 08:15

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Soluble	Prep	20B			102.616 g	5 mL	623600	08/21/23 09:09	LJS	EET DEN
Soluble	Analysis	20B		10			624646	08/29/23 16:23	BN	EET DEN
Total/NA	Analysis	9045D		1	20 g	20 mL	207247	08/18/23 13:00	JET	EET CC
Soluble	Prep	Sat Paste Ext			20 g	20 mL	207334	08/22/23 13:40	RJD	EET CC
Soluble	Analysis	9050A		1			207369	08/23/23 10:41	JET	EET CC
Total/NA	Analysis	Moisture		1			623517	08/18/23 15:04	EJS	EET DEN

## Client Sample ID: Rock Springs 34-33 SS2

## Lab Sample ID: 280-180318-2

Date Collected: 08/08/23 11:40

Matrix: Solid

Date Received: 08/15/23 08:15

Percent Solids: 75.7

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			1.302 g	100 mL	623229	08/21/23 07:44	LJS	EET DEN
Total/NA	Analysis	6010B		1			623766	08/22/23 06:25	ADL	EET DEN
Total/NA	Prep	3050B			1.302 g	100 mL	623229	08/21/23 07:44	LJS	EET DEN
Total/NA	Analysis	6020		1			623801	08/22/23 11:01	LMT	EET DEN
Total/NA	Prep	3060A			2.54 g	100 mL	444434	08/23/23 12:27	CMC	EET PIT
Total/NA	Analysis	7196A		1	4 mL	4 mL	444734	08/26/23 12:48	CMC	EET PIT

# Lab Chronicle

Client: Evergreen Natural Resources LLC  
 Project/Site: 915 Full Soil Suite

Job ID: 280-180318-1

## Client Sample ID: Rock Springs 34-33 SS3

## Lab Sample ID: 280-180318-3

Date Collected: 08/08/23 11:40

Matrix: Solid

Date Received: 08/15/23 08:15

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Soluble	Prep	20B			102.399 g	5 mL	623600	08/21/23 09:09	LJS	EET DEN
Soluble	Analysis	20B		10			624646	08/29/23 16:23	BN	EET DEN
Total/NA	Analysis	9045D		1	20 g	20 mL	207247	08/18/23 13:00	JET	EET CC
Soluble	Prep	Sat Paste Ext			20 g	20 mL	207334	08/22/23 13:40	RJD	EET CC
Soluble	Analysis	9050A		1			207369	08/23/23 10:41	JET	EET CC
Total/NA	Analysis	Moisture		1			623517	08/18/23 15:04	EJS	EET DEN

## Client Sample ID: Rock Springs 34-33 SS3

## Lab Sample ID: 280-180318-3

Date Collected: 08/08/23 11:40

Matrix: Solid

Date Received: 08/15/23 08:15

Percent Solids: 92.1

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			1.084 g	100 mL	623229	08/21/23 07:44	LJS	EET DEN
Total/NA	Analysis	6010B		1			623766	08/22/23 06:29	ADL	EET DEN
Total/NA	Prep	3050B			1.084 g	100 mL	623229	08/21/23 07:44	LJS	EET DEN
Total/NA	Analysis	6020		1			623801	08/22/23 11:05	LMT	EET DEN
Total/NA	Prep	3060A			2.53 g	100 mL	444434	08/23/23 12:27	CMC	EET PIT
Total/NA	Analysis	7196A		1	4 mL	4 mL	444734	08/26/23 12:51	CMC	EET PIT

## Client Sample ID: Rock Springs 34-33 Native

## Lab Sample ID: 280-180318-4

Date Collected: 08/08/23 11:40

Matrix: Solid

Date Received: 08/15/23 08:15

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Soluble	Prep	20B			102.096 g	5 mL	623600	08/21/23 09:09	LJS	EET DEN
Soluble	Analysis	20B		10			624646	08/29/23 16:23	BN	EET DEN
Total/NA	Analysis	9045D		1	20 g	20 mL	207247	08/18/23 13:00	JET	EET CC
Soluble	Prep	Sat Paste Ext			20 g	20 mL	207334	08/22/23 13:40	RJD	EET CC
Soluble	Analysis	9050A		1			207369	08/23/23 10:41	JET	EET CC
Total/NA	Analysis	Moisture		1			623517	08/18/23 15:04	EJS	EET DEN

## Client Sample ID: Rock Springs 34-33 Native

## Lab Sample ID: 280-180318-4

Date Collected: 08/08/23 11:40

Matrix: Solid

Date Received: 08/15/23 08:15

Percent Solids: 95.8

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			1.018 g	100 mL	623229	08/21/23 07:44	LJS	EET DEN
Total/NA	Analysis	6010B		1			623766	08/22/23 06:34	ADL	EET DEN
Total/NA	Prep	3050B			1.018 g	100 mL	623229	08/21/23 07:44	LJS	EET DEN
Total/NA	Analysis	6020		1			623801	08/22/23 11:08	LMT	EET DEN
Total/NA	Prep	3060A			2.54 g	100 mL	444434	08/23/23 12:27	CMC	EET PIT
Total/NA	Analysis	7196A		1	4 mL	4 mL	444734	08/26/23 12:52	CMC	EET PIT

# Lab Chronicle

Client: Evergreen Natural Resources LLC  
 Project/Site: 915 Full Soil Suite

Job ID: 280-180318-1

**Client Sample ID: Black Gold 32-33 SS1**

**Lab Sample ID: 280-180318-5**

**Date Collected: 08/08/23 12:00**

**Matrix: Solid**

**Date Received: 08/15/23 08:15**

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Soluble	Prep	20B			102.735 g	5 mL	623600	08/21/23 09:09	LJS	EET DEN
Soluble	Analysis	20B		10			624646	08/29/23 16:23	BN	EET DEN
Total/NA	Analysis	9045D		1	20 g	20 mL	207247	08/18/23 13:00	JET	EET CC
Soluble	Prep	Sat Paste Ext			20 g	20 mL	207334	08/22/23 13:40	RJD	EET CC
Soluble	Analysis	9050A		1			207369	08/23/23 10:41	JET	EET CC
Total/NA	Analysis	Moisture		1			623517	08/18/23 15:04	EJS	EET DEN

**Client Sample ID: Black Gold 32-33 SS1**

**Lab Sample ID: 280-180318-5**

**Date Collected: 08/08/23 12:00**

**Matrix: Solid**

**Date Received: 08/15/23 08:15**

**Percent Solids: 87.5**

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			1.181 g	100 mL	623229	08/21/23 07:44	LJS	EET DEN
Total/NA	Analysis	6010B		1			623766	08/22/23 06:38	ADL	EET DEN
Total/NA	Prep	3050B			1.181 g	100 mL	623229	08/21/23 07:44	LJS	EET DEN
Total/NA	Analysis	6020		1			623801	08/22/23 11:26	LMT	EET DEN
Total/NA	Prep	3060A			2.49 g	100 mL	444434	08/23/23 12:27	CMC	EET PIT
Total/NA	Analysis	7196A		5	4 mL	4 mL	444734	08/26/23 13:05	CMC	EET PIT

**Client Sample ID: Black Gold 32-33 SS2**

**Lab Sample ID: 280-180318-6**

**Date Collected: 08/08/23 12:00**

**Matrix: Solid**

**Date Received: 08/15/23 08:15**

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Soluble	Prep	20B			103.973 g	5 mL	623600	08/21/23 09:09	LJS	EET DEN
Soluble	Analysis	20B		10			624646	08/29/23 16:23	BN	EET DEN
Total/NA	Analysis	9045D		1	20 g	20 mL	207247	08/18/23 13:00	JET	EET CC
Soluble	Prep	Sat Paste Ext			20 g	20 mL	207334	08/22/23 13:40	RJD	EET CC
Soluble	Analysis	9050A		1			207369	08/23/23 10:41	JET	EET CC
Total/NA	Analysis	Moisture		1			623517	08/18/23 15:04	EJS	EET DEN

**Client Sample ID: Black Gold 32-33 SS2**

**Lab Sample ID: 280-180318-6**

**Date Collected: 08/08/23 12:00**

**Matrix: Solid**

**Date Received: 08/15/23 08:15**

**Percent Solids: 90.2**

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			1.208 g	100 mL	623229	08/21/23 07:44	LJS	EET DEN
Total/NA	Analysis	6010B		1			623766	08/22/23 06:59	ADL	EET DEN
Total/NA	Prep	3050B			1.208 g	100 mL	623229	08/21/23 07:44	LJS	EET DEN
Total/NA	Analysis	6020		1			623801	08/22/23 11:29	LMT	EET DEN
Total/NA	Prep	3060A			2.50 g	100 mL	444434	08/23/23 12:27	CMC	EET PIT
Total/NA	Analysis	7196A		1	4 mL	4 mL	444734	08/26/23 13:05	CMC	EET PIT

# Lab Chronicle

Client: Evergreen Natural Resources LLC  
 Project/Site: 915 Full Soil Suite

Job ID: 280-180318-1

## Client Sample ID: Black Gold 32-33 SS3

## Lab Sample ID: 280-180318-7

Date Collected: 08/08/23 12:00

Matrix: Solid

Date Received: 08/15/23 08:15

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Soluble	Prep	20B			102.202 g	5 mL	623600	08/21/23 09:09	LJS	EET DEN
Soluble	Analysis	20B		10			624646	08/29/23 16:23	BN	EET DEN
Total/NA	Analysis	9045D		1	20 g	20 mL	207247	08/18/23 13:00	JET	EET CC
Soluble	Prep	Sat Paste Ext			20 g	20 mL	207334	08/22/23 13:40	RJD	EET CC
Soluble	Analysis	9050A		1			207369	08/23/23 10:41	JET	EET CC
Total/NA	Analysis	Moisture		1			623517	08/18/23 15:04	EJS	EET DEN

## Client Sample ID: Black Gold 32-33 SS3

## Lab Sample ID: 280-180318-7

Date Collected: 08/08/23 12:00

Matrix: Solid

Date Received: 08/15/23 08:15

Percent Solids: 85.6

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			1.184 g	100 mL	623229	08/21/23 07:44	LJS	EET DEN
Total/NA	Analysis	6010B		1			623766	08/22/23 07:04	ADL	EET DEN
Total/NA	Prep	3050B			1.184 g	100 mL	623229	08/21/23 07:44	LJS	EET DEN
Total/NA	Analysis	6020		1			623801	08/22/23 11:33	LMT	EET DEN
Total/NA	Prep	3060A			2.53 g	100 mL	444434	08/23/23 12:27	CMC	EET PIT
Total/NA	Analysis	7196A		1	4 mL	4 mL	444734	08/26/23 13:07	CMC	EET PIT

## Client Sample ID: Black Gold 32-33 Native

## Lab Sample ID: 280-180318-8

Date Collected: 08/08/23 12:00

Matrix: Solid

Date Received: 08/15/23 08:15

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Soluble	Prep	20B			102.076 g	5 mL	623600	08/21/23 09:09	LJS	EET DEN
Soluble	Analysis	20B		10			624646	08/29/23 16:23	BN	EET DEN
Total/NA	Analysis	9045D		1	20 g	20 mL	207247	08/18/23 13:00	JET	EET CC
Soluble	Prep	Sat Paste Ext			20 g	20 mL	207334	08/22/23 13:40	RJD	EET CC
Soluble	Analysis	9050A		1			207369	08/23/23 10:41	JET	EET CC
Total/NA	Analysis	Moisture		1			623517	08/18/23 15:04	EJS	EET DEN

## Client Sample ID: Black Gold 32-33 Native

## Lab Sample ID: 280-180318-8

Date Collected: 08/08/23 12:00

Matrix: Solid

Date Received: 08/15/23 08:15

Percent Solids: 95.5

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			1.460 g	100 mL	623229	08/21/23 07:44	LJS	EET DEN
Total/NA	Analysis	6010B		1			623766	08/22/23 07:08	ADL	EET DEN
Total/NA	Prep	3050B			1.460 g	100 mL	623229	08/21/23 07:44	LJS	EET DEN
Total/NA	Analysis	6020		1			623801	08/22/23 11:36	LMT	EET DEN
Total/NA	Prep	3060A			2.50 g	100 mL	444434	08/23/23 12:27	CMC	EET PIT
Total/NA	Analysis	7196A		5	4 mL	4 mL	444734	08/26/23 13:09	CMC	EET PIT

# Lab Chronicle

Client: Evergreen Natural Resources LLC  
 Project/Site: 915 Full Soil Suite

Job ID: 280-180318-1

**Client Sample ID: Lavedure 44-7R SS1**

**Lab Sample ID: 280-180318-9**

**Date Collected: 08/09/23 09:50**

**Matrix: Solid**

**Date Received: 08/15/23 08:15**

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Soluble	Prep	20B			104.622 g	5 mL	623600	08/21/23 09:09	LJS	EET DEN
Soluble	Analysis	20B		10			624646	08/29/23 16:23	BN	EET DEN
Total/NA	Analysis	9045D		1	20 g	20 mL	207247	08/18/23 13:00	JET	EET CC
Soluble	Prep	Sat Paste Ext			20 g	20 mL	207334	08/22/23 13:40	RJD	EET CC
Soluble	Analysis	9050A		1			207369	08/23/23 10:41	JET	EET CC
Total/NA	Analysis	Moisture		1			623517	08/18/23 15:04	EJS	EET DEN

**Client Sample ID: Lavedure 44-7R SS1**

**Lab Sample ID: 280-180318-9**

**Date Collected: 08/09/23 09:50**

**Matrix: Solid**

**Date Received: 08/15/23 08:15**

**Percent Solids: 94.5**

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			1.366 g	100 mL	623229	08/21/23 07:44	LJS	EET DEN
Total/NA	Analysis	6010B		1			623766	08/22/23 07:13	ADL	EET DEN
Total/NA	Prep	3050B			1.366 g	100 mL	623229	08/21/23 07:44	LJS	EET DEN
Total/NA	Analysis	6020		1			623801	08/22/23 11:40	LMT	EET DEN
Total/NA	Prep	3060A			2.54 g	100 mL	444434	08/23/23 12:27	CMC	EET PIT
Total/NA	Analysis	7196A		1	4 mL	4 mL	444734	08/26/23 13:10	CMC	EET PIT

**Client Sample ID: Lavedure 44-7R SS2**

**Lab Sample ID: 280-180318-10**

**Date Collected: 08/09/23 09:50**

**Matrix: Solid**

**Date Received: 08/15/23 08:15**

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Soluble	Prep	20B			101.753 g	5 mL	623600	08/21/23 09:09	LJS	EET DEN
Soluble	Analysis	20B		10			624646	08/29/23 16:23	BN	EET DEN
Total/NA	Analysis	9045D		1	20 g	20 mL	207247	08/18/23 13:00	JET	EET CC
Soluble	Prep	Sat Paste Ext			20 g	20 mL	207334	08/22/23 13:40	RJD	EET CC
Soluble	Analysis	9050A		1			207369	08/23/23 10:41	JET	EET CC
Total/NA	Analysis	Moisture		1			623517	08/18/23 15:04	EJS	EET DEN

**Client Sample ID: Lavedure 44-7R SS2**

**Lab Sample ID: 280-180318-10**

**Date Collected: 08/09/23 09:50**

**Matrix: Solid**

**Date Received: 08/15/23 08:15**

**Percent Solids: 90.2**

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			1.295 g	100 mL	623229	08/21/23 07:44	LJS	EET DEN
Total/NA	Analysis	6010B		1			623766	08/22/23 07:17	ADL	EET DEN
Total/NA	Prep	3050B			1.295 g	100 mL	623229	08/21/23 07:44	LJS	EET DEN
Total/NA	Analysis	6020		1			623801	08/22/23 11:44	LMT	EET DEN
Total/NA	Prep	3060A			2.50 g	100 mL	444434	08/23/23 12:27	CMC	EET PIT
Total/NA	Analysis	7196A		1	4 mL	4 mL	444734	08/26/23 13:11	CMC	EET PIT

# Lab Chronicle

Client: Evergreen Natural Resources LLC  
 Project/Site: 915 Full Soil Suite

Job ID: 280-180318-1

## Client Sample ID: Lavedure 44-7R SS3

## Lab Sample ID: 280-180318-11

Date Collected: 08/09/23 09:50

Matrix: Solid

Date Received: 08/15/23 08:15

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Soluble	Prep	20B			103.307 g	5 mL	623600	08/21/23 09:09	LJS	EET DEN
Soluble	Analysis	20B		10			624646	08/29/23 16:23	BN	EET DEN
Total/NA	Analysis	9045D		1	20 g	20 mL	207247	08/18/23 13:00	JET	EET CC
Soluble	Prep	Sat Paste Ext			20 g	20 mL	207334	08/22/23 13:40	RJD	EET CC
Soluble	Analysis	9050A		1			207369	08/23/23 10:41	JET	EET CC
Total/NA	Analysis	Moisture		1			623517	08/18/23 15:04	EJS	EET DEN

## Client Sample ID: Lavedure 44-7R SS3

## Lab Sample ID: 280-180318-11

Date Collected: 08/09/23 09:50

Matrix: Solid

Date Received: 08/15/23 08:15

Percent Solids: 88.7

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			1.374 g	100 mL	623229	08/21/23 07:44	LJS	EET DEN
Total/NA	Analysis	6010B		1			623766	08/22/23 07:22	ADL	EET DEN
Total/NA	Prep	3050B			1.374 g	100 mL	623229	08/21/23 07:44	LJS	EET DEN
Total/NA	Analysis	6020		1			623801	08/22/23 11:47	LMT	EET DEN
Total/NA	Prep	3060A			2.48 g	100 mL	444434	08/23/23 12:27	CMC	EET PIT
Total/NA	Analysis	7196A		1	4 mL	4 mL	444734	08/26/23 13:15	CMC	EET PIT

## Client Sample ID: Lavedure 44-7R Native

## Lab Sample ID: 280-180318-12

Date Collected: 08/09/23 09:50

Matrix: Solid

Date Received: 08/15/23 08:15

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Soluble	Prep	20B			103.994 g	5 mL	623600	08/21/23 09:09	LJS	EET DEN
Soluble	Analysis	20B		10			624646	08/29/23 16:23	BN	EET DEN
Total/NA	Analysis	9045D		1	20 g	20 mL	207247	08/18/23 13:00	JET	EET CC
Soluble	Prep	Sat Paste Ext			20 g	20 mL	207334	08/22/23 13:40	RJD	EET CC
Soluble	Analysis	9050A		1			207369	08/23/23 10:41	JET	EET CC
Total/NA	Analysis	Moisture		1			623517	08/18/23 15:04	EJS	EET DEN

## Client Sample ID: Lavedure 44-7R Native

## Lab Sample ID: 280-180318-12

Date Collected: 08/09/23 09:50

Matrix: Solid

Date Received: 08/15/23 08:15

Percent Solids: 93.3

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			1.214 g	100 mL	623229	08/21/23 07:44	LJS	EET DEN
Total/NA	Analysis	6010B		1			623766	08/22/23 07:26	ADL	EET DEN
Total/NA	Prep	3050B			1.214 g	100 mL	623229	08/21/23 07:44	LJS	EET DEN
Total/NA	Analysis	6020		1			623801	08/22/23 11:51	LMT	EET DEN
Total/NA	Prep	3060A			2.49 g	100 mL	444434	08/23/23 12:27	CMC	EET PIT
Total/NA	Analysis	7196A		1	4 mL	4 mL	444734	08/26/23 13:17	CMC	EET PIT

# Lab Chronicle

Client: Evergreen Natural Resources LLC  
Project/Site: 915 Full Soil Suite

Job ID: 280-180318-1

## Laboratory References:

EET CC = Eurofins Corpus Christi, 1733 N. Padre Island Drive, Corpus Christi, TX 78408, TEL (361)289-2471

EET DEN = Eurofins Denver, 4955 Yarrow Street, Arvada, CO 80002, TEL (303)736-0100

EET PIT = Eurofins Pittsburgh, 301 Alpha Drive, RIDC Park, Pittsburgh, PA 15238, TEL (412)963-7058

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4955 Yarrow Street  
 Arvada, CO 80002  
 Phone (303) 736-0100 Phone (303) 43

**Client Information**

Client Contact:  
 Greg Hoennmans  
 Company:  
 Evergreen Natural Resources LLC  
 Address:  
 27000 Hwy 12  
 City:  
 Trinidad  
 State, Zip:  
 CO, 81082  
 Phone:  
 719-846-7898  
 Email:  
 Labs@enrllc.com

Project Name:  
 Evergreen Natural Resources - 915 Full Soil Suite  
 Site:  
 Colorado



280-180318 Chain of Custody

**Chain of Custody Record**

Sampler: *T. Fernandez* Lab PMI: *Gardner, Matthew* Carrier Tracking No(s):  
 Phone: *719-220-4330* E-Mail: *matthew.gardner@et.eurofinsus.com* State of Origin:  
 PWSID:

Due Date Requested: *STP*  
 TAT Requested (days): *STP*  
 Compliance Project:  Yes  No  
 PO #:   
 Purchase Order Requested  
 WO #:   
 Project #: *28001998*  
 SOW#:   
 Analysis Requested

Sample Identification	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=soil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Form MS/MSD (Yes or No)	8270C_SIM	8015B_DRO	8015B_GRO	8260B_Volatiles	945D_pH - Eurofins Xenco Corpus Christi	9050A_Conductivity - Eurofins Xenco Corpus Christi	20B_SAR	6010B - Boron Only	6010B - (Barium, Cadmium, Silver)	6020A - (Arsenic, Copper, Lead, Nickel, Selenium, Zinc)	7196A - Hexavalent Chromium	Total Number of Containers	Special Instructions/Note:
<i>Rocksprings 34-33 551</i>	<i>8-8-23</i>	<i>1140</i>	<i>G</i>	<i>S</i>	<i>N</i>	<i>N</i>	<i>N</i>	<i>N</i>	<i>N</i>	<i>N</i>	<i>N</i>	<i>N</i>	<i>N</i>	<i>N</i>	<i>N</i>	<i>N</i>	<i>N</i>	<i>37.29742 -104.78429</i>	
<i>Rocksprings 34-33 552</i>	<i>8-8-23</i>	<i>1140</i>	<i>G</i>	<i>S</i>	<i>N</i>	<i>N</i>	<i>N</i>	<i>N</i>	<i>N</i>	<i>N</i>	<i>N</i>	<i>N</i>	<i>N</i>	<i>N</i>	<i>N</i>	<i>N</i>	<i>N</i>	<i>37.29738 -104.79431</i>	
<i>Rocksprings 34-33 553</i>	<i>8-8-23</i>	<i>1140</i>	<i>G</i>	<i>S</i>	<i>N</i>	<i>N</i>	<i>N</i>	<i>N</i>	<i>N</i>	<i>N</i>	<i>N</i>	<i>N</i>	<i>N</i>	<i>N</i>	<i>N</i>	<i>N</i>	<i>N</i>	<i>37.29735 -104.78421</i>	
<i>Rocksprings 34-33 Native</i>	<i>8-8-23</i>	<i>1140</i>	<i>G</i>	<i>S</i>	<i>N</i>	<i>N</i>	<i>N</i>	<i>N</i>	<i>N</i>	<i>N</i>	<i>N</i>	<i>N</i>	<i>N</i>	<i>N</i>	<i>N</i>	<i>N</i>	<i>N</i>	<i>37.29726 -104.78449</i>	
<i>Black Gold 32-33 551</i>	<i>8-8-23</i>	<i>1200</i>	<i>G</i>	<i>S</i>	<i>N</i>	<i>N</i>	<i>N</i>	<i>N</i>	<i>N</i>	<i>N</i>	<i>N</i>	<i>N</i>	<i>N</i>	<i>N</i>	<i>N</i>	<i>N</i>	<i>N</i>	<i>37.30197 -104.78531</i>	
<i>Black Gold 32-33 552</i>	<i>8-8-23</i>	<i>1200</i>	<i>G</i>	<i>S</i>	<i>N</i>	<i>N</i>	<i>N</i>	<i>N</i>	<i>N</i>	<i>N</i>	<i>N</i>	<i>N</i>	<i>N</i>	<i>N</i>	<i>N</i>	<i>N</i>	<i>N</i>	<i>37.30195 -104.78535</i>	
<i>Black Gold 32-33 553</i>	<i>8-8-23</i>	<i>1200</i>	<i>G</i>	<i>S</i>	<i>N</i>	<i>N</i>	<i>N</i>	<i>N</i>	<i>N</i>	<i>N</i>	<i>N</i>	<i>N</i>	<i>N</i>	<i>N</i>	<i>N</i>	<i>N</i>	<i>N</i>	<i>37.30186 -104.78528</i>	
<i>Black Gold 32-33 Native</i>	<i>8-8-23</i>	<i>1200</i>	<i>G</i>	<i>S</i>	<i>N</i>	<i>N</i>	<i>N</i>	<i>N</i>	<i>N</i>	<i>N</i>	<i>N</i>	<i>N</i>	<i>N</i>	<i>N</i>	<i>N</i>	<i>N</i>	<i>N</i>	<i>37.30199 -104.78453</i>	

FOR ENR USE ONLY: SSR=SOIL SUITABILITY FOR RECLAMATION / O=ORGANICS / TPH=TPH / M=METALS  
 Possible Hazard Identification  
 Non-Hazard  Flammable  Skin Irritant  Poison B  Unknown  Radiological  
 Deliverable Requested: I, II, III, IV, Other (specify)

Empty Kit Relinquished by: \_\_\_\_\_ Date: \_\_\_\_\_  
 Relinquished by: *T. Fernandez* Date: *8-14-23* 1600 Company: *EAIR*  
 Relinquished by: \_\_\_\_\_ Date: \_\_\_\_\_ Company: \_\_\_\_\_  
 Relinquished by: \_\_\_\_\_ Date: \_\_\_\_\_ Company: \_\_\_\_\_  
 Custody Seal No.: *2842426* Custody Seal No.: *0.1 0.0.0 RTU*



**Eurofins Denver**  
 4955 Yarrow Street  
 Arvada, CO 80002  
 Phone 303-736-0100 Fax: 303-431-7171

# Chain of Custody Record

Environment Testing

**Client Information (Sub Contract Lab)**

Client Contact:  
 Shipping/Receiving

Lab PM  
 Gardner, Matthew O

280-180318 Chain of Custody

70.1

Company: Eurofins Environment Testing Northeast,  
 Address: 301 Alpha Drive, RIDC Park,  
 City: Pittsburgh  
 State, Zip: PA, 15238  
 Phone: 412-963-7058(Tel) 412-963-2468(Fax)  
 Email:  
 Project Name: 915 Full Soil Suite  
 SOW#:  
 Site: Evergreen Natural Resources

Due Date Requested:  
 8/28/2023  
 TAT Requested (days):

PO #:  
 WO #:

Project #:  
 28001998  
 SOW#:

Job #:  
 280-180318-1

**Preservation Codes:**

- A - HCL
- B - NaOH
- C - Zn Acetate
- D - Nitric Acid
- E - NaHSO4
- F - MeOH
- G - Amchlor
- H - Ascorbic Acid
- I - Ice
- J - DI Water
- K - EDTA
- L - EDA
- Other:
- M - Hexane
- N - None
- O - AsNeO2
- P - Na2OHS
- Q - Na2SO3
- R - Na2SO3
- S - H2SO4
- T - TSP Dodecahydrate
- U - Acetone
- V - MCAA
- W - pH 4-5
- X - Trizma
- Z - other (specify)

Accreditations Required (See note)

**Analysis Requested**

Sample Identification - Client ID (Lab ID)	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water, S=solid, O=water/soil, BT=Trisub, AA=Al)	Preservation Code	Field Filled Sample (Yes or No)		Perform MS/MSD (Yes or No)		Total Number of Containers	Special Instructions/Note:
						7196A/3060A	7196A/3060A	7196A/3060A	7196A/3060A		
Rock Springs 34-33 SS1 (280-180318-1)	8/8/23	11:40 Mountain	Solid	Solid		X	X			1	
Rock Springs 34-33 SS2 (280-180318-2)	8/8/23	11:40 Mountain	Solid	Solid		X	X			1	
Rock Springs 34-33 SS3 (280-180318-3)	8/8/23	11:40 Mountain	Solid	Solid		X	X			1	
Rock Springs 34-33 Native (280-180318-4)	8/8/23	11:40 Mountain	Solid	Solid		X	X			1	
Black Gold 32-33 SS1 (280-180318-5)	8/8/23	12:00 Mountain	Solid	Solid		X	X			1	
Black Gold 32-33 SS2 (280-180318-6)	8/8/23	12:00 Mountain	Solid	Solid		X	X			1	
Black Gold 32-33 SS3 (280-180318-7)	8/8/23	12:00 Mountain	Solid	Solid		X	X			1	
Black Gold 32-33 Native (280-180318-8)	8/8/23	12:00 Mountain	Solid	Solid		X	X			1	
Lavedure 44-7R SS1 (280-180318-9)	8/9/23	09:50 Mountain	Solid	Solid		X	X			1	

Note: Since laboratory accreditations are subject to change, Eurofins TestAmerica places the ownership of method, analyte & accreditation compliance upon our subcontract laboratories. This sample shipment is forwarded under chain-of-custody. If the laboratory does not currently maintain accreditation in the State of Origin listed above for analysis/test/matrix being analyzed, the samples must be shipped back to the Eurofins TestAmerica laboratory or other instructions will be provided. Any changes to accreditation status should be brought to Eurofins TestAmerica attention immediately. If all requested accreditations are current to date, return the signed Chain of Custody attesting to said compliance to Eurofins TestAmerica.

**Possible Hazard Identification**

Unconfirmed  
 Deliverable Requested I, II, III, IV, Other (specify) Primary Deliverable Rank 2  
 Special Instructions/QC Requirements.

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)  
 Return To Client  Disposal By Lab  Archive For \_\_\_\_\_ Months

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:
Relinquished by: <i>[Signature]</i>	8/17/23	13:45	
Relinquished by: <i>[Signature]</i>	8/18-23	09:12	
Relinquished by:			
Relinquished by:			
Custody Seals Intact: <input type="checkbox"/> Yes <input type="checkbox"/> No	Cooler Temperature(s) °C and Other Remarks		



# Chain of Custody Record

<b>Client Information (Sub Contract Lab)</b>		Sampler	Lab PM Gardner, Matthew O		Carmer Tracking No(s)	COC No 280-668970 2
Shipping/Receiving		Phone	E-Mail Matthew Gardner@et.eurofins.com		State of Origin Colorado	Page Page 2 of 2
Company Eurofins Environment Testing Northeast,		Accreditations Required (See note). 280-180318-1				
Address: 301 Alpha Drive, RIDC Park, City: Pittsburgh State, Zip PA, 15238 Phone 412-963-7058(Tel) 412-963-2468(Fax) Email		Due Date Requested: 8/28/2023 TAT Requested (days):		Preservation Codes: M - Hexane N - None O - AsNaO2 P - Na2OAS Q - Na2SO3 R - Na2SO4 S - H2SO4 T - TSP Dodecahydrate U - Acetone V - MCAA W - pH 4-5 X - EDTA Y - Trizma Z - other (specify) Other:		
Project # 28001998 Site Evergreen Natural Resources		PO # WO #		Analysis Requested		
Sample Identification - Client ID (Lab ID)		Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	7196A/3060A	Total Number of Containers	
Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water, S=solid, D=digestion, BT=Tissue, AA=Allyl)	Preservation Code:	Special Instructions/Note:	
8/9/23	09:50 Mountain	Solid		X	1	
8/9/23	09:50 Mountain	Solid		X	1	
8/9/23	09:50 Mountain	Solid		X	1	
<p>Note: Since laboratory accreditations are subject to change, Eurofins TestAmerica places the ownership of method, analyte &amp; accreditation compliance upon our subcontract laboratories. This sample shipment is forwarded under chain-of-custody. If the laboratory does not currently maintain accreditation in the State of Origin listed above for analysis/test/matrix being analyzed, the samples must be shipped back to the Eurofins TestAmerica laboratory or other instructions will be provided. Any changes to accreditation status should be brought to Eurofins TestAmerica attention immediately. If all requested accreditations are current to date, return the signed Chain of Custody attesting to Eurofins TestAmerica.</p>						
<p><b>Possible Hazard Identification</b></p> <p>Unconfirmed <input type="checkbox"/> Return To Client <input type="checkbox"/> Disposal By Lab <input type="checkbox"/> Archive For _____ Months</p> <p>Deliverable Requested I, II, III, IV, Other (specify) Primary Deliverable Rank: 2</p> <p>Special Instructions/QC Requirements</p>						
Empty Kit Relinquished by		Date:		Method of Shipment		
Relinquished by	Date/Time	Company	Received by	Date/Time	Company	Relinquished by
Relinquished by	8/17/23 15:45	EDM	Received by	8/18/23 09:12	Company	Company
Relinquished by	Date/Time	Company	Received by	Date/Time	Company	Company
Custody Seals Intact: Δ Yes Δ No	Custody Seal No.:		Cooler Temperature(s) °C and Other Remarks			

