

ANALYTICAL REPORT

PREPARED FOR

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Generated 8/25/2023 2:26:05 PM

JOB DESCRIPTION

915 Full Soil Suite

JOB NUMBER

280-180257-1

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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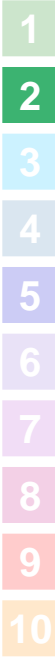


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Definitions/Glossary

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

Job ID: 280-180257-1

Qualifiers

Metals

Qualifier	Qualifier Description
4	MS, MSD: The analyte present in the original sample is greater than 4 times the matrix spike concentration; therefore, control limits are not applicable.
F1	MS and/or MSD recovery exceeds control limits.
F2	MS/MSD RPD exceeds control limits

General Chemistry

Qualifier	Qualifier Description
F1	MS and/or MSD recovery exceeds control limits.
F3	Duplicate RPD exceeds the control limit
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.
α	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: 280-180257-1

Job ID: 280-180257-1

Laboratory: Eurofins Denver

Narrative

CASE NARRATIVE

Client: Evergreen Natural Resources LLC

Project: 915 Full Soil Suite

Report Number: 280-180257-1

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 8/11/2023 9:30 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 1.6° C.

RECEIPT EXCEPTIONS

The container label for the following sample(s) did not match the information listed on the Chain-of-Custody (COC): (All) The container labels list SS#1 while the COC lists SS#1 Lat-/Long-37-17987/-104.76470. The samples were logged per the COC.

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 6020, 6020B: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for preparation batch 280-622848 and analytical batch 280-623580 were outside control limits for one or more analytes. Selenium and Zinc exceeded the RPD limit. 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 Moisture: The sample duplicate (DUP) precision for analytical batch 280-623278 was outside control limits. Sample non-homogeneity is suspected.

Method 7196A: Cr (VI) failed the recovery criteria low for the MS of sample 180-160892-5 in batch 180-444459.

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: FOXTROT 34-10 Pit Closure SS#1 Lat-/Long-37-17987/-104.76470 (280-180257-1), FOXTROT 34-10 Pit Closure SS#2 Lat-/Long-37-17990/-104.76476 (280-180257-2), FOXTROT 34-10 Pit Closure SS#3 Lat-/Long-37-17992/-104.76475 (280-180257-3),

Case Narrative

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

Job ID: 280-180257-1

Job ID: 280-180257-1 (Continued)

Laboratory: Eurofins Denver (Continued)

FOXTROT 34-10 Pit Closure SS#4 Native Lat-/Long 37-18007-104.76479 (280-180257-4), (CCV 560-207183/15), (CCV 560-207183/3), (ICV 560-207183/1), (LCS 560-207183/2), (280-180133-C-6) and (280-180133-C-6 DU).

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

Detection Summary

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

Job ID: 280-180257-1

Client Sample ID: FOXTROT 34-10 Pit Closure SS#1
Lat-/Long-37-17987/-104.76470

Lab Sample ID: 280-180257-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Barium	190		0.90		mg/Kg	1	☆	6010B	Total/NA
Arsenic	1.2		0.089		mg/Kg	1	☆	6020	Total/NA
Copper	36		0.22		mg/Kg	1	☆	6020	Total/NA
Lead	15		0.089		mg/Kg	1	☆	6020	Total/NA
Nickel	18		0.15		mg/Kg	1	☆	6020	Total/NA
Zinc	76		0.89		mg/Kg	1	☆	6020	Total/NA
pH - Sat Paste	9.2	HF	0.1		SU	1		9045D	Total/NA
Specific Conductance	360		1.0		umhos/cm	1		9050A	Soluble

Client Sample ID: FOXTROT 34-10 Pit Closure SS#2
Lat-/Long-37-17990/-104.76476

Lab Sample ID: 280-180257-2

Analyte	Result	Qualifier	RL	RL	Unit	Dil Fac	D	Method	Prep Type
Sodium Adsorption Ratio	24		1.2		No Unit	10		20B	Soluble
Barium	210		0.93		mg/Kg	1	☆	6010B	Total/NA
Arsenic	1.9		0.081		mg/Kg	1	☆	6020	Total/NA
Copper	40		0.20		mg/Kg	1	☆	6020	Total/NA
Lead	15		0.081		mg/Kg	1	☆	6020	Total/NA
Nickel	19		0.14		mg/Kg	1	☆	6020	Total/NA
Selenium	0.35		0.16		mg/Kg	1	☆	6020	Total/NA
Zinc	86		0.81		mg/Kg	1	☆	6020	Total/NA
pH - Sat Paste	9.4	HF	0.1		SU	1		9045D	Total/NA
Specific Conductance	670		1.0		umhos/cm	1		9050A	Soluble

Client Sample ID: FOXTROT 34-10 Pit Closure SS#3
Lat-/Long-37-17992/-104.76475

Lab Sample ID: 280-180257-3

Analyte	Result	Qualifier	RL	RL	Unit	Dil Fac	D	Method	Prep Type
Sodium Adsorption Ratio	25		1.2		No Unit	10		20B	Soluble
Barium	270		0.82		mg/Kg	1	☆	6010B	Total/NA
Arsenic	3.8		0.094		mg/Kg	1	☆	6020	Total/NA
Copper	51		0.24		mg/Kg	1	☆	6020	Total/NA
Lead	18		0.094		mg/Kg	1	☆	6020	Total/NA
Nickel	26		0.16		mg/Kg	1	☆	6020	Total/NA
Selenium	0.55		0.19		mg/Kg	1	☆	6020	Total/NA
Zinc	110		0.94		mg/Kg	1	☆	6020	Total/NA
pH - Sat Paste	9.4	HF	0.1		SU	1		9045D	Total/NA
Specific Conductance	900		1.0		umhos/cm	1		9050A	Soluble

Client Sample ID: FOXTROT 34-10 Pit Closure SS#4 Native
Lat-/Long 37-18007-104.76479

Lab Sample ID: 280-180257-4

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Barium	230		0.96		mg/Kg	1	☆	6010B	Total/NA
Arsenic	2.7		0.090		mg/Kg	1	☆	6020	Total/NA
Copper	36		0.22		mg/Kg	1	☆	6020	Total/NA
Lead	14		0.090		mg/Kg	1	☆	6020	Total/NA
Nickel	22		0.15		mg/Kg	1	☆	6020	Total/NA
Selenium	0.30		0.18		mg/Kg	1	☆	6020	Total/NA
Zinc	92		0.90		mg/Kg	1	☆	6020	Total/NA

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: 280-180257-1

Client Sample ID: FOXTROT 34-10 Pit Closure SS#4 Native
Lat-/Long 37-18007-104.76479 (Continued)

Lab Sample ID: 280-180257-4

Analyte	Result	Qualifier	RL	RL	Unit	Dil Fac	D	Method	Prep Type
pH - Sat Paste	7.4	HF	0.1		SU	1		9045D	Total/NA
Specific Conductance	450		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: 280-180257-1

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 Adsorption 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: 280-180257-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
280-180257-1	FOXTROT 34-10 Pit Closure SS#1 Lat-/Long-37-17987/-104.76470	Solid	08/09/23 12:40	08/11/23 09:30
280-180257-2	FOXTROT 34-10 Pit Closure SS#2 Lat-/Long-37-17990/-104.76476	Solid	08/09/23 12:40	08/11/23 09:30
280-180257-3	FOXTROT 34-10 Pit Closure SS#3 Lat-/Long-37-17992/-104.76475	Solid	08/09/23 12:40	08/11/23 09:30
280-180257-4	FOXTROT 34-10 Pit Closure SS#4 Native Lat-/Long 37-18007-104.76479	Solid	08/09/23 12:40	08/11/23 09:30

Client Sample Results

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

Job ID: 280-180257-1

Client Sample ID: FOXTROT 34-10 Pit Closure SS#1

Lab Sample ID: 280-180257-1

Lat-/Long-37-17987/-104.76470

Date Collected: 08/09/23 12:40

Matrix: Solid

Date Received: 08/11/23 09:30

Percent Solids: 84.7

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		08/15/23 14:28	08/24/23 10:49	10

Method: SW846 6010B - Total Metals

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Barium	190		0.90		mg/Kg	✱	08/18/23 10:29	08/18/23 21:25	1
Boron	ND		9.0		mg/Kg	✱	08/18/23 10:29	08/18/23 21:25	1
Cadmium	ND		0.45		mg/Kg	✱	08/18/23 10:29	08/18/23 21:25	1
Silver	ND		0.90		mg/Kg	✱	08/18/23 10:29	08/18/23 21:25	1

Method: SW846 6020 - Total Metals by ICP-MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	1.2		0.089		mg/Kg	✱	08/18/23 09:15	08/19/23 10:51	1
Copper	36		0.22		mg/Kg	✱	08/18/23 09:15	08/19/23 10:51	1
Lead	15		0.089		mg/Kg	✱	08/18/23 09:15	08/19/23 10:51	1
Nickel	18		0.15		mg/Kg	✱	08/18/23 09:15	08/19/23 10:51	1
Selenium	ND		0.18		mg/Kg	✱	08/18/23 09:15	08/19/23 10:51	1
Zinc	76		0.89		mg/Kg	✱	08/18/23 09:15	08/19/23 10:51	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cr (VI) (SW846 7196A)	ND		0.47		mg/Kg	✱	08/18/23 12:43	08/23/23 12:18	1
Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
pH - Sat Paste (SW846 9045D)	9.2	HF	0.1		SU			08/17/23 09:08	1
Percent Moisture (EPA Moisture)	15.3		0.1		%			08/17/23 09:27	1

General Chemistry - Soluble

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Specific Conductance (SW846 9050A)	360		1.0		umhos/cm		08/22/23 13:18	08/23/23 09:38	1

Client Sample Results

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

Job ID: 280-180257-1

Client Sample ID: FOXTROT 34-10 Pit Closure SS#2

Lab Sample ID: 280-180257-2

Lat-/Long-37-17990/-104.76476

Date Collected: 08/09/23 12:40

Matrix: Solid

Date Received: 08/11/23 09:30

Percent Solids: 84.1

Method: USDA 20B - Sodium Adsorption Ratio - Soluble

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Sodium Adsorption Ratio	24		1.2		No Unit		08/15/23 14:28	08/24/23 10:49	10

Method: SW846 6010B - Total Metals

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Barium	210		0.93		mg/Kg	✱	08/18/23 10:29	08/18/23 21:29	1
Boron	ND		9.3		mg/Kg	✱	08/18/23 10:29	08/18/23 21:29	1
Cadmium	ND		0.46		mg/Kg	✱	08/18/23 10:29	08/18/23 21:29	1
Silver	ND		0.93		mg/Kg	✱	08/18/23 10:29	08/18/23 21:29	1

Method: SW846 6020 - Total Metals by ICP-MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	1.9		0.081		mg/Kg	✱	08/18/23 09:15	08/19/23 10:29	1
Copper	40		0.20		mg/Kg	✱	08/18/23 09:15	08/19/23 10:29	1
Lead	15		0.081		mg/Kg	✱	08/18/23 09:15	08/19/23 10:29	1
Nickel	19		0.14		mg/Kg	✱	08/18/23 09:15	08/19/23 10:29	1
Selenium	0.35		0.16		mg/Kg	✱	08/18/23 09:15	08/19/23 10:29	1
Zinc	86		0.81		mg/Kg	✱	08/18/23 09:15	08/19/23 10:29	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cr (VI) (SW846 7196A)	ND		0.48		mg/Kg	✱	08/18/23 12:43	08/23/23 12:19	1
Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
pH - Sat Paste (SW846 9045D)	9.4	HF	0.1		SU			08/17/23 09:08	1
Percent Moisture (EPA Moisture)	15.9		0.1		%			08/17/23 09:27	1

General Chemistry - Soluble

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Specific Conductance (SW846 9050A)	670		1.0		umhos/cm		08/22/23 13:18	08/23/23 09:38	1

Client Sample Results

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

Job ID: 280-180257-1

Client Sample ID: FOXTROT 34-10 Pit Closure SS#3

Lab Sample ID: 280-180257-3

Lat-/Long-37-17992/-104.76475

Date Collected: 08/09/23 12:40

Matrix: Solid

Date Received: 08/11/23 09:30

Percent Solids: 84.5

Method: USDA 20B - Sodium Adsorption Ratio - Soluble

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Sodium Adsorption Ratio	25		1.2		No Unit		08/15/23 14:28	08/24/23 10:49	10

Method: SW846 6010B - Total Metals

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Barium	270		0.82		mg/Kg	✱	08/18/23 10:29	08/18/23 21:34	1
Boron	ND		8.2		mg/Kg	✱	08/18/23 10:29	08/18/23 21:34	1
Cadmium	ND		0.41		mg/Kg	✱	08/18/23 10:29	08/18/23 21:34	1
Silver	ND		0.82		mg/Kg	✱	08/18/23 10:29	08/18/23 21:34	1

Method: SW846 6020 - Total Metals by ICP-MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	3.8		0.094		mg/Kg	✱	08/18/23 09:15	08/19/23 10:31	1
Copper	51		0.24		mg/Kg	✱	08/18/23 09:15	08/19/23 10:31	1
Lead	18		0.094		mg/Kg	✱	08/18/23 09:15	08/19/23 10:31	1
Nickel	26		0.16		mg/Kg	✱	08/18/23 09:15	08/19/23 10:31	1
Selenium	0.55		0.19		mg/Kg	✱	08/18/23 09:15	08/19/23 10:31	1
Zinc	110		0.94		mg/Kg	✱	08/18/23 09:15	08/19/23 10:31	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cr (VI) (SW846 7196A)	ND		0.47		mg/Kg	✱	08/18/23 12:43	08/23/23 12:20	1
Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
pH - Sat Paste (SW846 9045D)	9.4	HF	0.1		SU			08/17/23 09:08	1
Percent Moisture (EPA Moisture)	15.5		0.1		%			08/17/23 09:27	1

General Chemistry - Soluble

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Specific Conductance (SW846 9050A)	900		1.0		umhos/cm		08/22/23 13:18	08/23/23 09:38	1

Client Sample Results

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

Job ID: 280-180257-1

Client Sample ID: FOXTROT 34-10 Pit Closure SS#4 Native

Lab Sample ID: 280-180257-4

Lat-/Long 37-18007-104.76479

Date Collected: 08/09/23 12:40

Matrix: Solid

Date Received: 08/11/23 09:30

Percent Solids: 79.9

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		08/15/23 14:28	08/24/23 10:49	10

Method: SW846 6010B - Total Metals

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Barium	230		0.96		mg/Kg	✱	08/18/23 10:29	08/18/23 21:39	1
Boron	ND		9.6		mg/Kg	✱	08/18/23 10:29	08/18/23 21:39	1
Cadmium	ND		0.48		mg/Kg	✱	08/18/23 10:29	08/18/23 21:39	1
Silver	ND		0.96		mg/Kg	✱	08/18/23 10:29	08/18/23 21:39	1

Method: SW846 6020 - Total Metals by ICP-MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	2.7		0.090		mg/Kg	✱	08/18/23 09:15	08/19/23 10:40	1
Copper	36		0.22		mg/Kg	✱	08/18/23 09:15	08/19/23 10:40	1
Lead	14		0.090		mg/Kg	✱	08/18/23 09:15	08/19/23 10:40	1
Nickel	22		0.15		mg/Kg	✱	08/18/23 09:15	08/19/23 10:40	1
Selenium	0.30		0.18		mg/Kg	✱	08/18/23 09:15	08/19/23 10:40	1
Zinc	92		0.90		mg/Kg	✱	08/18/23 09:15	08/19/23 10:40	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cr (VI) (SW846 7196A)	ND		0.50		mg/Kg	✱	08/18/23 12:43	08/23/23 12:21	1
Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
pH - Sat Paste (SW846 9045D)	7.4	HF	0.1		SU			08/17/23 09:08	1
Percent Moisture (EPA Moisture)	20.1		0.1		%			08/17/23 09:27	1

General Chemistry - Soluble

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Specific Conductance (SW846 9050A)	450		1.0		umhos/cm		08/22/23 13:18	08/23/23 09:38	1

Lab Chronicle

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

Job ID: 280-180257-1

Client Sample ID: FOXTROT 34-10 Pit Closure SS#1

Lab Sample ID: 280-180257-1

Lat-/Long-37-17987/-104.76470

Date Collected: 08/09/23 12:40

Matrix: Solid

Date Received: 08/11/23 09:30

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Soluble	Prep	20B			104.025 g	5 mL	623054	08/15/23 14:28	LJS	EET DEN
Soluble	Analysis	20B		10			624033	08/24/23 10:49	RMS	EET DEN
Total/NA	Analysis	9045D		1	20 g	20 mL	207183	08/17/23 09:08	JET	EET CC
Soluble	Prep	Sat Paste Ext			20 g	20 mL	207332	08/22/23 13:18	RJD	EET CC
Soluble	Analysis	9050A		1			207368	08/23/23 09:38	JET	EET CC
Total/NA	Analysis	Moisture		1			623278	08/17/23 09:27	ZPM	EET DEN

Client Sample ID: FOXTROT 34-10 Pit Closure SS#1

Lab Sample ID: 280-180257-1

Lat-/Long-37-17987/-104.76470

Date Collected: 08/09/23 12:40

Matrix: Solid

Date Received: 08/11/23 09:30

Percent Solids: 84.7

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			1.308 g	100 mL	622843	08/18/23 10:29	MSM	EET DEN
Total/NA	Analysis	6010B		1			623562	08/18/23 21:25	ADL	EET DEN
Total/NA	Prep	3050B			1.333 g	100 mL	622848	08/18/23 09:15	KMS	EET DEN
Total/NA	Analysis	6020		1			623580	08/19/23 10:51	LMT	EET DEN
Total/NA	Prep	3060A			2.49 g	100 mL	443969	08/18/23 12:43	CMC	EET PIT
Total/NA	Analysis	7196A		1	4 mL	4 mL	444459	08/23/23 12:18	CMC	EET PIT

Client Sample ID: FOXTROT 34-10 Pit Closure SS#2

Lab Sample ID: 280-180257-2

Lat-/Long-37-17990/-104.76476

Date Collected: 08/09/23 12:40

Matrix: Solid

Date Received: 08/11/23 09:30

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Soluble	Prep	20B			104.846 g	5 mL	623054	08/15/23 14:28	LJS	EET DEN
Soluble	Analysis	20B		10			624033	08/24/23 10:49	RMS	EET DEN
Total/NA	Analysis	9045D		1	20 g	20 mL	207183	08/17/23 09:08	JET	EET CC
Soluble	Prep	Sat Paste Ext			20 g	20 mL	207332	08/22/23 13:18	RJD	EET CC
Soluble	Analysis	9050A		1			207368	08/23/23 09:38	JET	EET CC
Total/NA	Analysis	Moisture		1			623278	08/17/23 09:27	ZPM	EET DEN

Client Sample ID: FOXTROT 34-10 Pit Closure SS#2

Lab Sample ID: 280-180257-2

Lat-/Long-37-17990/-104.76476

Date Collected: 08/09/23 12:40

Matrix: Solid

Date Received: 08/11/23 09:30

Percent Solids: 84.1

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			1.283 g	100 mL	622843	08/18/23 10:29	MSM	EET DEN
Total/NA	Analysis	6010B		1			623562	08/18/23 21:29	ADL	EET DEN
Total/NA	Prep	3050B			1.468 g	100 mL	622848	08/18/23 09:15	KMS	EET DEN
Total/NA	Analysis	6020		1			623580	08/19/23 10:29	LMT	EET DEN

Eurofins Denver

Lab Chronicle

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

Job ID: 280-180257-1

Client Sample ID: FOXTROT 34-10 Pit Closure SS#2

Lab Sample ID: 280-180257-2

Lat-/Long-37-17990/-104.76476

Date Collected: 08/09/23 12:40

Matrix: Solid

Date Received: 08/11/23 09:30

Percent Solids: 84.1

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3060A			2.50 g	100 mL	443969	08/18/23 12:43	CMC	EET PIT
Total/NA	Analysis	7196A		1	4 mL	4 mL	444459	08/23/23 12:19	CMC	EET PIT

Client Sample ID: FOXTROT 34-10 Pit Closure SS#3

Lab Sample ID: 280-180257-3

Lat-/Long-37-17992/-104.76475

Date Collected: 08/09/23 12:40

Matrix: Solid

Date Received: 08/11/23 09:30

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Soluble	Prep	20B			104.182 g	3 mL	623054	08/15/23 14:28	LJS	EET DEN
Soluble	Analysis	20B		10			624033	08/24/23 10:49	RMS	EET DEN
Total/NA	Analysis	9045D		1	20 g	20 mL	207183	08/17/23 09:08	JET	EET CC
Soluble	Prep	Sat Paste Ext			20 g	20 mL	207332	08/22/23 13:18	RJD	EET CC
Soluble	Analysis	9050A		1			207368	08/23/23 09:38	JET	EET CC
Total/NA	Analysis	Moisture		1			623278	08/17/23 09:27	ZPM	EET DEN

Client Sample ID: FOXTROT 34-10 Pit Closure SS#3

Lab Sample ID: 280-180257-3

Lat-/Long-37-17992/-104.76475

Date Collected: 08/09/23 12:40

Matrix: Solid

Date Received: 08/11/23 09:30

Percent Solids: 84.5

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			1.434 g	100 mL	622843	08/18/23 10:29	MSM	EET DEN
Total/NA	Analysis	6010B		1			623562	08/18/23 21:34	ADL	EET DEN
Total/NA	Prep	3050B			1.257 g	100 mL	622848	08/18/23 09:15	KMS	EET DEN
Total/NA	Analysis	6020		1			623580	08/19/23 10:31	LMT	EET DEN
Total/NA	Prep	3060A			2.51 g	100 mL	443969	08/18/23 12:43	CMC	EET PIT
Total/NA	Analysis	7196A		1	4 mL	4 mL	444459	08/23/23 12:20	CMC	EET PIT

Client Sample ID: FOXTROT 34-10 Pit Closure SS#4 Native

Lab Sample ID: 280-180257-4

Lat-/Long 37-18007-104.76479

Date Collected: 08/09/23 12:40

Matrix: Solid

Date Received: 08/11/23 09:30

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Soluble	Prep	20B			104.064 g	3 mL	623054	08/15/23 14:28	LJS	EET DEN
Soluble	Analysis	20B		10			624033	08/24/23 10:49	RMS	EET DEN
Total/NA	Analysis	9045D		1	20 g	20 mL	207183	08/17/23 09:08	JET	EET CC
Soluble	Prep	Sat Paste Ext			20 g	20 mL	207332	08/22/23 13:18	RJD	EET CC
Soluble	Analysis	9050A		1			207368	08/23/23 09:38	JET	EET CC
Total/NA	Analysis	Moisture		1			623278	08/17/23 09:27	ZPM	EET DEN

Eurofins Denver

Lab Chronicle

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

Job ID: 280-180257-1

Client Sample ID: FOXTROT 34-10 Pit Closure SS#4 Native

Lab Sample ID: 280-180257-4

Lat-/Long 37-18007-104.76479

Date Collected: 08/09/23 12:40

Matrix: Solid

Date Received: 08/11/23 09:30

Percent Solids: 79.9

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			1.300 g	100 mL	622843	08/18/23 10:29	MSM	EET DEN
Total/NA	Analysis	6010B		1			623562	08/18/23 21:39	ADL	EET DEN
Total/NA	Prep	3050B			1.396 g	100 mL	622848	08/18/23 09:15	KMS	EET DEN
Total/NA	Analysis	6020		1			623580	08/19/23 10:40	LMT	EET DEN
Total/NA	Prep	3060A			2.50 g	100 mL	443969	08/18/23 12:43	CMC	EET PIT
Total/NA	Analysis	7196A		1	4 mL	4 mL	444459	08/23/23 12:21	CMC	EET PIT

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

Chain of Custody Record



Environment Testing

[illegible]