

ANALYTICAL REPORT

PREPARED FOR

Attn: Greg Hoenmans
Evergreen Natural Resources LLC
27000 Hwy 12
Trinidad, Colorado 81082
Generated 8/29/2023 10:51:26 AM

JOB DESCRIPTION

915 Full Soil Suite

JOB NUMBER

280-180259-1

Eurofins Denver

Job Notes

This report may not be reproduced except in full, and with written approval from the laboratory. The results relate only to the samples tested. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

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



Generated
8/29/2023 10:51:26 AM

Authorized for release by
Matthew Gardner, Project Manager I
Matthew.Gardner@et.eurofinsus.com
(303)736-0100



Table of Contents

Cover Page	1
Table of Contents	3
Definitions	4
Case Narrative	5
Detection Summary	7
Method Summary	8
Sample Summary	9
Client Sample Results	10
Surrogate Summary	16
Chronicle	17
Chain of Custody	20

Definitions/Glossary

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

Job ID: 280-180259-1

Qualifiers

GC Semi VOA

Qualifier	Qualifier Description
F1	MS and/or MSD recovery exceeds control limits.
F2	MS/MSD RPD exceeds control limits
S1-	Surrogate recovery exceeds control limits, low biased.

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: 280-180259-1

Job ID: 280-180259-1

Laboratory: Eurofins Denver

Narrative

CASE NARRATIVE

Client: Evergreen Natural Resources LLC

Project: 915 Full Soil Suite

Report Number: 280-180259-1

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 2.6° C.

GASOLINE RANGE ORGANICS (GRO)

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

DIESEL RANGE ORGANICS

Methods 8015B, 8015D: Spike compounds were inadvertently omitted during the extraction process for the matrix spike (MS); therefore, matrix spike recoveries are unavailable for preparation batch 280-623610 and analytical batch 280-624279. The associated laboratory control sample (LCS) met acceptance criteria.

Methods 8015B, 8015D: The matrix spike / matrix spike duplicate (MS/MSD) precision for preparation batch 280-623610 and analytical batch 280-624279 was outside control limits. Sample matrix interference is suspected.

Methods 8015B, 8015D: Surrogate recovery for the following sample was outside control limits: (280-180260-B-3-E MS). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

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

SODIUM ABSORPTION RATIO

No 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: The following samples were diluted due to the nature of the sample matrix: POLLY 23-29 SPILL PATHWAY SS#3 Lat/Long 37.22757/-104.69700 (280-180259-5) and POLLY 23-29 SPILL PATHWAY SS#4 Native Lat/Long 37.22764/-104.69685 (280-180259-6).

Case Narrative

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

Job ID: 280-180259-1

Job ID: 280-180259-1 (Continued)

Laboratory: Eurofins Denver (Continued)

Elevated reporting limits (RLs) are provided.

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: POLLY 23-29 SPILL PATHWAY SS#1 Lat/Long 37.22789/-104.69704 (280-180259-3), POLLY 23-29 SPILL PATHWAY SS#2 Lat/Long 37.22773/-104.69701 (280-180259-4), (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.

ORGANIC PREP

Method 3546: Due to the matrix consisting being non-homogenous, clay-like, and water covered, seven and a half grams was used for the initial volume(s) instead of fifteen grams, which deviated from the standard procedure in order to prevent equipment damage: POLLY 23-29 SPILL PATHWAY SS#2 Lat/Long 37.22773/-104.69701 (280-180259-4). The reporting limits (RLs) have been adjusted proportionately. Method 8015B_DRO.

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: 280-180259-1

Client Sample ID: CHATEAU 34-14 Pit Closure SS#1 Lat/Long 37.07893/-104.63927

Lab Sample ID: 280-180259-1

Analyte	Result	Qualifier	RL	RL	Unit	Dil Fac	D	Method	Prep Type
Sodium Adsorption Ratio	16		1.2		No Unit	10		20B	Soluble

Client Sample ID: CHATEAU 34-14 Pit Closure SS#3 Lat/Long 37.07891/-104.63934

Lab Sample ID: 280-180259-2

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

Client Sample ID: POLLY 23-29 SPILL PATHWAY SS#1 Lat/Long 37.22789/-104.69704

Lab Sample ID: 280-180259-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Diesel Range Organics [C10-C28]	19		8.7		mg/Kg	1	✱	8015B	Total/NA
Sodium Adsorption Ratio	3.0		1.2		No Unit	10		20B	Soluble
pH - Sat Paste	8.1	HF	0.1		SU	1		9045D	Total/NA

Client Sample ID: POLLY 23-29 SPILL PATHWAY SS#2 Lat/Long 37.22773/-104.69701

Lab Sample ID: 280-180259-4

Analyte	Result	Qualifier	RL	RL	Unit	Dil Fac	D	Method	Prep Type
pH - Sat Paste	8.1	HF	0.1		SU	1		9045D	Total/NA

Client Sample ID: POLLY 23-29 SPILL PATHWAY SS#3 Lat/Long 37.22757/-104.69700

Lab Sample ID: 280-180259-5

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Diesel Range Organics [C10-C28]	22		8.1		mg/Kg	1	✱	8015B	Total/NA
Sodium Adsorption Ratio	1.4		1.2		No Unit	10		20B	Soluble

Client Sample ID: POLLY 23-29 SPILL PATHWAY SS#4 Native Lat/Long 37.22764/-104.69685

Lab Sample ID: 280-180259-6

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Diesel Range Organics [C10-C28]	14		8.1		mg/Kg	1	✱	8015B	Total/NA

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: 280-180259-1

Method	Method Description	Protocol	Laboratory
8015B	Gasoline Range Organics - (GC)	SW846	EET DEN
8015B	Diesel Range Organics (DRO) (GC)	SW846	EET DEN
20B	Sodium Adsorption Ratio	USDA	EET DEN
7196A	Chromium, Hexavalent	SW846	EET PIT
9045D	pH	SW846	EET CC
Moisture	Percent Moisture	EPA	EET DEN
20B	Preparation, Sodium Absorption Ratio	USDA	EET DEN
3060A	Alkaline Digestion (Chromium, Hexavalent)	SW846	EET PIT
3546	Microwave Extraction	SW846	EET DEN
5030A	Purge and Trap	SW846	EET DEN

Protocol References:

EPA = US Environmental Protection Agency

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

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: 280-180259-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
280-180259-1	CHATEAU 34-14 Pit Closure SS#1 Lat/Long 37.07893/-104.63927	Solid	08/09/23 08:50	08/11/23 09:30
280-180259-2	CHATEAU 34-14 Pit Closure SS#3 Lat/Long 37.07891/-104.63934	Solid	08/09/23 08:50	08/11/23 09:30
280-180259-3	POLLY 23-29 SPILL PATHWAY SS#1 Lat/Long 37.22789/-104.69704	Solid	08/09/23 09:50	08/11/23 09:30
280-180259-4	POLLY 23-29 SPILL PATHWAY SS#2 Lat/Long 37.22773/-104.69701	Solid	08/09/23 09:50	08/11/23 09:30
280-180259-5	POLLY 23-29 SPILL PATHWAY SS#3 Lat/Long 37.22757/-104.69700	Solid	08/09/23 09:50	08/11/23 09:30
280-180259-6	POLLY 23-29 SPILL PATHWAY SS#4 Native Lat/Long 37.22764/-104.69685	Solid	08/09/23 09:50	08/11/23 09:30

Client Sample Results

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

Job ID: 280-180259-1

Client Sample ID: CHATEAU 34-14 Pit Closure SS#1 Lat/Long 37.07893/-104.63927
Date Collected: 08/09/23 08:50
Date Received: 08/11/23 09:30

Lab Sample ID: 280-180259-1
Matrix: Solid

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

Client Sample Results

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

Job ID: 280-180259-1

Client Sample ID: CHATEAU 34-14 Pit Closure SS#3 Lat/Long
37.07891/-104.63934
Date Collected: 08/09/23 08:50
Date Received: 08/11/23 09:30

Lab Sample ID: 280-180259-2

Matrix: Solid

Method: USDA 20B - Sodium Adsorption Ratio - Soluble

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Sodium Adsorption Ratio	20		1.2		No Unit		08/15/23 14:28	08/24/23 10:49	10

Client Sample Results

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

Job ID: 280-180259-1

Client Sample ID: POLLY 23-29 SPILL PATHWAY SS#1

Lab Sample ID: 280-180259-3

Lat/Long 37.22789/-104.69704

Date Collected: 08/09/23 09:50

Matrix: Solid

Date Received: 08/11/23 09:30

Percent Solids: 90.0

Method: SW846 8015B - Gasoline Range Organics - (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	ND		2.0		mg/Kg	☆	08/23/23 20:45	08/24/23 03:39	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
a,a,a-Trifluorotoluene	87		77 - 123				08/23/23 20:45	08/24/23 03:39	1

Method: SW846 8015B - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	19		8.7		mg/Kg	☆	08/21/23 14:56	08/26/23 01:14	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
o-Terphenyl	61		49 - 115				08/21/23 14:56	08/26/23 01:14	1

Method: USDA 20B - Sodium Adsorption Ratio - Soluble

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Sodium Adsorption Ratio	3.0		1.2		No Unit		08/15/23 14:28	08/24/23 10:49	10

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cr (VI) (SW846 7196A)	ND		0.44		mg/Kg	☆	08/18/23 12:43	08/23/23 12:22	1
Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
pH - Sat Paste (SW846 9045D)	8.1	HF	0.1		SU			08/17/23 09:08	1
Percent Moisture (EPA Moisture)	10.0		0.1		%			08/17/23 09:27	1

Eurofins Denver

Client Sample Results

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

Job ID: 280-180259-1

Client Sample ID: POLLY 23-29 SPILL PATHWAY SS#2

Lab Sample ID: 280-180259-4

Lat/Long 37.22773/-104.69701

Date Collected: 08/09/23 09:50

Matrix: Solid

Date Received: 08/11/23 09:30

Percent Solids: 74.7

Method: SW846 8015B - Gasoline Range Organics - (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	ND		2.6		mg/Kg	☆	08/23/23 20:50	08/24/23 04:03	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
a,a,a-Trifluorotoluene	88		77 - 123				08/23/23 20:50	08/24/23 04:03	1

Method: SW846 8015B - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND		21		mg/Kg	☆	08/21/23 14:56	08/26/23 01:36	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
o-Terphenyl	63		49 - 115				08/21/23 14:56	08/26/23 01:36	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cr (VI) (SW846 7196A)	ND		0.54		mg/Kg	☆	08/18/23 12:43	08/23/23 12:23	1
Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
pH - Sat Paste (SW846 9045D)	8.1	HF	0.1		SU	-		08/17/23 09:08	1
Percent Moisture (EPA Moisture)	25.3		0.1		%			08/17/23 09:29	1

Eurofins Denver

Client Sample Results

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

Job ID: 280-180259-1

Client Sample ID: POLLY 23-29 SPILL PATHWAY SS#3

Lab Sample ID: 280-180259-5

Lat/Long 37.22757/-104.69700

Date Collected: 08/09/23 09:50

Matrix: Solid

Date Received: 08/11/23 09:30

Percent Solids: 96.1

Method: SW846 8015B - Gasoline Range Organics - (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	ND		1.9		mg/Kg	☆	08/23/23 20:55	08/24/23 04:27	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
a,a,a-Trifluorotoluene	88		77 - 123				08/23/23 20:55	08/24/23 04:27	1

Method: SW846 8015B - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	22		8.1		mg/Kg	☆	08/21/23 14:56	08/26/23 01:59	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
o-Terphenyl	55		49 - 115				08/21/23 14:56	08/26/23 01:59	1

Method: USDA 20B - Sodium Adsorption Ratio - Soluble

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Sodium Adsorption Ratio	1.4		1.2		No Unit		08/15/23 14:28	08/24/23 10:49	10

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cr (VI) (SW846 7196A)	ND		0.42		mg/Kg	☆	08/18/23 12:43	08/23/23 12:24	1
Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture (EPA Moisture)	3.9		0.1		%			08/17/23 09:29	1

Client Sample Results

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

Job ID: 280-180259-1

Client Sample ID: POLLY 23-29 SPILL PATHWAY SS#4 Native

Lab Sample ID: 280-180259-6

Lat/Long 37.22764/-104.69685

Date Collected: 08/09/23 09:50

Matrix: Solid

Date Received: 08/11/23 09:30

Percent Solids: 96.6

Method: SW846 8015B - Gasoline Range Organics - (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	ND		1.9		mg/Kg	☆	08/23/23 21:00	08/24/23 04:51	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
a,a,a-Trifluorotoluene	88		77 - 123				08/23/23 21:00	08/24/23 04:51	1

Method: SW846 8015B - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	14		8.1		mg/Kg	☆	08/21/23 14:56	08/26/23 02:21	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
o-Terphenyl	69		49 - 115				08/21/23 14:56	08/26/23 02:21	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cr (VI) (SW846 7196A)	ND		0.42		mg/Kg	☆	08/18/23 12:43	08/23/23 12:38	1
Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture (EPA Moisture)	3.4		0.1		%	-		08/17/23 09:29	1

Surrogate Summary

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

Job ID: 280-180259-1

Method: 8015B - Gasoline Range Organics - (GC)

Matrix: Solid

Prep Type: Total/NA

Percent Surrogate Recovery (Acceptance Limits)		
Lab Sample ID	Client Sample ID	TFT1 (77-123)
280-180259-3	POLLY 23-29 SPILL PATHWAY :	87
280-180259-4	POLLY 23-29 SPILL PATHWAY SS#2 Lat/Long 37.22773/-104.69701	88
280-180259-5	POLLY 23-29 SPILL PATHWAY SS#3 Lat/Long 37.22757/-104.69700	88
280-180259-6	POLLY 23-29 SPILL PATHWAY SS#4 Native Lat/Long 37.22764/-104.69685	88
LCS 280-624046/1-A	Lab Control Sample	90
LCSD 280-624046/2-A	Lab Control Sample Dup	90
MB 280-624046/3-A	Method Blank	89
Surrogate Legend		
TFT = a,a,a-Trifluorotoluene		

Method: 8015B - Diesel Range Organics (DRO) (GC)

Matrix: Solid

Prep Type: Total/NA

Percent Surrogate Recovery (Acceptance Limits)		
Lab Sample ID	Client Sample ID	OTPH1 (49-115)
280-180259-3	POLLY 23-29 SPILL PATHWAY :	61
280-180259-4	POLLY 23-29 SPILL PATHWAY SS#2 Lat/Long 37.22773/-104.69701	63
280-180259-5	POLLY 23-29 SPILL PATHWAY SS#3 Lat/Long 37.22757/-104.69700	55
280-180259-6	POLLY 23-29 SPILL PATHWAY SS#4 Native Lat/Long 37.22764/-104.69685	69
280-180260-B-3-E MS	Matrix Spike	8 S1-
280-180260-B-3-F MSD	Matrix Spike Duplicate	85
LCS 280-623610/2-A	Lab Control Sample	73
MB 280-623610/1-A	Method Blank	80
Surrogate Legend		
OTPH = o-Terphenyl		

Lab Chronicle

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

Job ID: 280-180259-1

Client Sample ID: CHATEAU 34-14 Pit Closure SS#1 Lat/Long
37.07893/-104.63927

Lab Sample ID: 280-180259-1

Date Collected: 08/09/23 08:50

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			103.155 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

Client Sample ID: CHATEAU 34-14 Pit Closure SS#3 Lat/Long
37.07891/-104.63934

Lab Sample ID: 280-180259-2

Date Collected: 08/09/23 08:50

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			102.853 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

Client Sample ID: POLLY 23-29 SPILL PATHWAY SS#1
Lat/Long 37.22789/-104.69704

Lab Sample ID: 280-180259-3

Date Collected: 08/09/23 09:50

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			104.868 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
Total/NA	Analysis	Moisture		1			623278	08/17/23 09:27	ZPM	EET DEN

Client Sample ID: POLLY 23-29 SPILL PATHWAY SS#1
Lat/Long 37.22789/-104.69704

Lab Sample ID: 280-180259-3

Date Collected: 08/09/23 09:50

Matrix: Solid

Date Received: 08/11/23 09:30

Percent Solids: 90.0

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5030A			5.693 g	5 mL	624046	08/23/23 20:45	JPH	EET DEN
Total/NA	Analysis	8015B		1	0.1 mL	5 mL	624051	08/24/23 03:39	JPH	EET DEN
Total/NA	Prep	3546			15.3 g	1 mL	623610	08/21/23 14:56	DN	EET DEN
Total/NA	Analysis	8015B		1			624268	08/26/23 01:14	MKW	EET DEN
Total/NA	Prep	3060A			2.54 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 12:22	CMC	EET PIT

Client Sample ID: POLLY 23-29 SPILL PATHWAY SS#2
Lat/Long 37.22773/-104.69701

Lab Sample ID: 280-180259-4

Date Collected: 08/09/23 09:50

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
Total/NA	Analysis	9045D		1	20 g	20 mL	207183	08/17/23 09:08	JET	EET CC
Total/NA	Analysis	Moisture		1			623278	08/17/23 09:29	ZPM	EET DEN

Eurofins Denver

Lab Chronicle

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

Job ID: 280-180259-1

Client Sample ID: POLLY 23-29 SPILL PATHWAY SS#2

Lab Sample ID: 280-180259-4

Lat/Long 37.22773/-104.69701

Date Collected: 08/09/23 09:50

Matrix: Solid

Date Received: 08/11/23 09:30

Percent Solids: 74.7

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5030A			5.076 g	5 mL	624046	08/23/23 20:50	JPH	EET DEN
Total/NA	Analysis	8015B		1	0.1 mL	5 mL	624051	08/24/23 04:03	JPH	EET DEN
Total/NA	Prep	3546			7.5 g	1 mL	623610	08/21/23 14:56	DN	EET DEN
Total/NA	Analysis	8015B		1			624268	08/26/23 01:36	MKW	EET DEN
Total/NA	Prep	3060A			2.47 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 12:23	CMC	EET PIT

Client Sample ID: POLLY 23-29 SPILL PATHWAY SS#3

Lab Sample ID: 280-180259-5

Lat/Long 37.22757/-104.69700

Date Collected: 08/09/23 09:50

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			101.479 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	Moisture		1			623278	08/17/23 09:29	ZPM	EET DEN

Client Sample ID: POLLY 23-29 SPILL PATHWAY SS#3

Lab Sample ID: 280-180259-5

Lat/Long 37.22757/-104.69700

Date Collected: 08/09/23 09:50

Matrix: Solid

Date Received: 08/11/23 09:30

Percent Solids: 96.1

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5030A			5.442 g	5 mL	624046	08/23/23 20:55	JPH	EET DEN
Total/NA	Analysis	8015B		1	0.1 mL	5 mL	624051	08/24/23 04:27	JPH	EET DEN
Total/NA	Prep	3546			15.4 g	1 mL	623610	08/21/23 14:56	DN	EET DEN
Total/NA	Analysis	8015B		1			624268	08/26/23 01:59	MKW	EET DEN
Total/NA	Prep	3060A			2.48 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 12:24	CMC	EET PIT

Client Sample ID: POLLY 23-29 SPILL PATHWAY SS#4 Native

Lab Sample ID: 280-180259-6

Lat/Long 37.22764/-104.69685

Date Collected: 08/09/23 09:50

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
Total/NA	Analysis	Moisture		1			623278	08/17/23 09:29	ZPM	EET DEN

Lab Chronicle

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

Job ID: 280-180259-1

Client Sample ID: POLLY 23-29 SPILL PATHWAY SS#4 Native

Lab Sample ID: 280-180259-6

Lat/Long 37.22764/-104.69685

Date Collected: 08/09/23 09:50

Matrix: Solid

Date Received: 08/11/23 09:30

Percent Solids: 96.6

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5030A			5.32 g	5 mL	624046	08/23/23 21:00	JPH	EET DEN
Total/NA	Analysis	8015B		1	0.1 mL	5 mL	624051	08/24/23 04:51	JPH	EET DEN
Total/NA	Prep	3546			15.3 g	1 mL	623610	08/21/23 14:56	DN	EET DEN
Total/NA	Analysis	8015B		1			624268	08/26/23 02:21	MKW	EET DEN
Total/NA	Prep	3060A			2.48 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 12:38	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

Client Information			Lab PM: Gardner, Matthew			Carrier Tracking No(s):			COC No:																	
Client Contact: Greg Hoennmans			E-Mail: matthew.gardner@et.eurofins.com			State of Origin:			Page: Page 1 of 1																	
Company: Evergreen Natural Resources LLC			PWSID:			Analysis Requested			Job #:																	
Address: 27000 Hwy 12			Due Date Requested:			Field Filtered Sample (Yes or No)			Preservation Codes:																	
City: Trinidad			TAT Requested (days):			Perform MS/MSD (Yes or No)			A - HCL M - Hexane N - None O - AsNaO2 P - Na2O4S Q - Na2SO3 R - Na2SO3 S - H2SO4 T - TSP Dodecahydrate U - Acetone V - MCAA W - pH 4-5 X - EDTA Y - EDA Z - other (specify)																	
State, Zip: CO, 81082			Compliance Project: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No			Percent Moisture			Other:																	
Phone: 719-846-7898			Purchase Order Requested			8270C SIM			Total Number of containers																	
Email: 719-846-7898			WO #:			8015B_DRO			7196A - Hexavalent Chromium																	
Email: Labs@enrllc.com			Project #:			8015B_GRO			6010B - Barium, Cadmium, Silver																	
Project Name: Evergreen Natural Resources - 915 Full Soil Suite			28001998			8260B - Volatiles			6020A - (Arsenic, Copper, Lead, Nickel, Selenium, Zinc)																	
Site: Colorado			SSOW#:			8015B_DRO			6010B - Boron Only																	
Sample Identification			Sample Date			Sample Time			Sample Type (C=comp, G=grab)			Matrix (W=water, S=solid, O=soil, BT=Tissue, A=Air)			Preservation Code:			Special Instructions/Note:								
CHATEAU 34.14 PIT CLOSURE			8-9-23			0850			G			S														
SS#1 Lat./Long 37.07893/-104.63927			8-9-23			0850			G			S														
SS#3 Lat./Long 37.07891/-104.63934			8-9-23			0850			G			S														
POLLY 23-29 SPILL PATHWAY																										
SS#1 Lat./Long 37.22289/-104.69704			8-9-23			0950			G			S														
SS#2 Lat.-Long 37.22733/-104.69701			8-9-23			0950			G			S														
SS#3 Lat./Long 37.22757/-104.69700			8-9-23			0950			G			S														
SS#4 Native Lat./Long 37.22764/-104.69705			8-9-23			0950			G			S														
FOR ENR USE ONLY: SSR=SOIL SUITABILITY FOR RECLAMATION / O=ORGANICS / TPH=TPH / M=METALS															Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)			Special Instructions/QC Requirements:								
Possible Hazard Identification															<input type="checkbox"/> Non-Hazard <input type="checkbox"/> Flammable <input type="checkbox"/> Skin Irritant <input type="checkbox"/> Poison B <input checked="" type="checkbox"/> Unknown <input type="checkbox"/> Radiological			<input type="checkbox"/> Return To Client <input checked="" type="checkbox"/> Disposal By Lab			Archive For _____ Months					
Deliverable Requested: I, II, III, IV, Other (specify)																										
Empty Kit Relinquished by:															Date:			Time:			Method of Shipment:					
Relinquished by: Levi D. Montoya															Date/Time: 8-10-23/1600			Company: ENR			Date/Time: 8-11-23 0030			Company: ENR		
Relinquished by:															Date/Time:			Company:			Date/Time:			Company:		
Relinquished by:															Date/Time:			Company:			Date/Time:			Company:		
Custody Seals Intact: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No															Custody Seal No.: 224 242 3			Cooler Temperature(s) °C and Other Remarks: 7.6 at 8.0								

Chain of Custody Record



Client Information (Sub Contract Lab) Client Contact: Shipping/Receiving 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 Site: Evergreen Natural Resources		Sampler: Lab PM: Gardner, Matthew O E-Mail: Matthew Gardner@et.eurofins.com Accreditations Required (See note)	Carrier Tracking No(s): State of Origin: Colorado Page 1 of 1 Job #: 280-180259-1 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 - AsNaO2 P - Na2O4S Q - Na2SO3 R - Na2S2O3 S - H2SO4 T - TSP Dodecylhydrate U - Acetone V - MCAA W - pH 4-5 Y - Trizma Z - other (specify)
Analysis Requested Due Date Requested: 8/24/2023 TAT Requested (days): PO #: WO #: Project #: 28001998 SSOW#		Total Number of Containers: 1 Special Instructions/Note:	
Sample Identification - Client ID (Lab ID) POLLY 23-29 SPILL PATHWAY SS#1 Lat/Long 37 22789/-104 69 POLLY 23-29 SPILL PATHWAY SS#2 Lat/Long 37 22773/-104 69 POLLY 23-29 SPILL PATHWAY SS#3 Lat/Long 37 22757/-104 69 POLLY 23-29 SPILL PATHWAY SS#4 Native Lat/Long 37 22764/	Sample Date 8/9/23 8/9/23 8/9/23 8/9/23	Sample Time 09:50 Mountain 09:50 Mountain 09:50 Mountain 09:50 Mountain	Matrix (W=water, S=solid, O=wastewater, BT=Trace, A=Air) Solid Solid Solid Solid
Field Filled Sample (Yes or No) X Perform MS/MSD (Yes or No) X 7196A/3060A 280-180259 Chain of Custody		Special Instructions/Note:	
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 Sample Disposal (A fee may be assessed if samples are retained longer than 1 month) <input type="checkbox"/> Return To Client <input type="checkbox"/> Disposal By Lab <input type="checkbox"/> Archive For <input type="checkbox"/> Months			
Empty Kit Relinquished by Relinquished by: [Signature] Relinquished by: [Signature] Relinquished by: [Signature]		Date 8/14/23 1515 Date/Time Date/Time Date/Time	
Custody Seals Intact. Δ Yes Δ No		Cooler Temperature(s) °C and Other Remarks	