

ANALYTICAL REPORT

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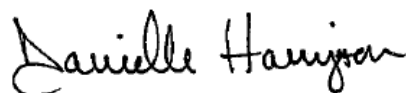
Laboratory Job ID: 280-155400-1

Client Project/Site: Soil Suite

For:

Evergreen Natural Resources LLC
27000 Hwy 12
Trinidad, Colorado 81082

Attn: Chris Sanchez



Authorized for release by:
11/30/2021 1:42:57 PM

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This report has been electronically signed and authorized by the signatory. Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.

Results relate only to the items tested and the sample(s) as received by the laboratory.



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Definitions/Glossary

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

Job ID: 280-155400-1

Qualifiers

GC/MS Semi VOA

Qualifier	Qualifier Description
S1-	Surrogate recovery exceeds control limits, low biased.

GC VOA

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

GC Semi VOA

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

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.
F3	Duplicate RPD exceeds the control limit

General Chemistry

Qualifier	Qualifier Description
HF	Field parameter with a holding time of 15 minutes. Test performed by laboratory at client's request.

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)

Definitions/Glossary

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

Job ID: 280-155400-1

Glossary (Continued)

Abbreviation	These commonly used abbreviations may or may not be present in this report.
TNTC	Too Numerous To Count

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Case Narrative

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

Job ID: 280-155400-1

Job ID: 280-155400-1

Laboratory: Eurofins TestAmerica, Denver

Narrative

CASE NARRATIVE

Client: Evergreen Natural Resources LLC

Project: Soil Suite

Report Number: 280-155400-1

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.

Calculations are performed before rounding to avoid round-off errors in calculated results.

All holding times were met and proper preservation noted for the methods performed on these samples, unless otherwise detailed in the individual sections below.

RECEIPT

The samples were received on 11/10/2021. 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 time was 2.8°C

Please note, only 4 containers were received for Angel 44-7 Native Lat. 37.09432 Long. -104.59721 (280-155400-1), therefore, the following analyses could not be performed 7196A Hexavalent Chromium, 8270D SIM, and 8015B DRO.

GC/MS VOA, 8260B

The method 8260B MS/MSD could not be performed for this batch, due to insufficient sample volume. Method precision and accuracy have been verified by the acceptable LCS/LCSD analysis data.

No other anomalies were observed.

GC/MS Semivolatiles, 8270C SIM

Surrogate Nitrobenzene-d5 for method 8270C SIM was recovered outside the QC limits in the Method Blank. All other surrogate recoveries were within QC limits. EPA surrogate guidelines for GC/MS SVOA is that two of the three surrogates for each fraction must meet acceptance criteria. The third surrogate must have a recovery of ten percent or greater. As Method Blank analysis met these criteria and the LCS and samples were within control limits, corrective action is deemed unnecessary.

The method 8270C SIM MS/MSD was performed on sample Angel 44-7 Composite Lat. 37.09432 Long. -104.59721 and was within control limits.

No other anomalies were observed.

GC Volatiles, SW846 8015B

The Method 8015B MS/MSD was performed on sample from another client and/or lot and was outside control limits.

The method 8015B SIM MS/MSD was performed on sample Angel 44-7 Composite Lat. 37.09432 Long. -104.59721 and was within control limits.

No other anomalies were observed.

GC Semivolatiles, SW846 8015B

The method 8015B SIM MS/MSD was performed on sample Angel 44-7 Composite Lat. 37.09432 Long. -104.59721 and was outside control limits.

Case Narrative

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

Job ID: 280-155400-1

Job ID: 280-155400-1 (Continued)

Laboratory: Eurofins TestAmerica, Denver (Continued)

Method 8015B_DRO: The peak profile present in this sample Angel 44-7 Composite Lat. 37.09432 Long. -104.59721 is atypical of a hydrocarbon pattern and consists of about a dozen discrete peaks

No other anomalies were observed.

Total Metals SW846 6010B, 6020 and 7471A

The Method 20B sample duplicate was performed on sample Angel 44-7 Composite Lat. 37.09432 Long. -104.59721 was outside control limits.

The Method 6010B MS/MSD performed on sample Angel 44-7 Composite Lat. 37.09432 Long. -104.59721 and Angel 44-7 Native Lat. 37.09432 Long. -104.59721 was outside control limits for Boron.

The Method 6020 MS/MSD performed on sample Angel 44-7 Composite Lat. 37.09432 Long. -104.59721 was outside control limits for Copper

The accuracy and precision of the Zinc MS/MSD performed on sample Angel 44-7 Composite Lat. 37.09432 Long. -104.59721 and Angel 44-7 Native Lat. 37.09432 Long. -104.59721 could not be reliably evaluated, as the concentrations present in the parent sample were 4 times greater than the matrix spike concentration. The acceptable LCS analysis data indicated that the analytical system was operating within control; therefore, corrective action is deemed unnecessary.

No other anomalies were observed.

General Chemistry

This analysis is normally performed in the field and has a method-defined holding time of 15 minutes. The samples has been qualified with the "HF" flag to indicate analysis was performed in the laboratory outside the 15 minute timeframe.

All MS/MSD were performed on sample from another client and/or lot and were within control limits.

The specific conductance and percent moisture sample duplicates were performed on sample Angel 44-7 Native Lat. 37.09432 Long. -104.59721 and were within control limits.

All other sample duplicates were performed on sample from another client and/or lot and were within control limits.

No other anomalies were observed.

General Comments

The pH and conductivity analysis with the saturated paste extraction were performed at our Eurofins Corpus Christi Laboratory:

Eurofins Xenco Corpus Christi
1733 N Padre Island Dr,
Corpus Christi, TX 78408
(361) 289-2673

The Method 7196A Hexavalent Chromium analysis were performed at our Eurofins TestAmerica Pittsburgh Laboratory:

Eurofins TestAmerica Pittsburgh
301 Alpha Drive
RIDC Park
Pittsburgh, PA 15238-2907
412.963.7058

Detection Summary

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

Job ID: 280-155400-1

Client Sample ID: Angel 44-7 Native Lat. 37.09432 Long. -104.59721

Lab Sample ID: 280-155400-1

Analyte	Result	Qualifier	RL	RL	Unit	Dil Fac	D	Method	Prep Type
Calcium	5.8		2.0		mg/Kg	10		20B	Soluble
Magnesium	.1131020.		2.0		mg/L	10		20B	Soluble
Barium	160		0.95		mg/Kg	1	✱	6010B	Total/NA
Arsenic	2.1		0.089		mg/Kg	1	✱	6020	Total/NA
Copper	31		0.22		mg/Kg	1	✱	6020	Total/NA
Lead	19		0.089		mg/Kg	1	✱	6020	Total/NA
Nickel	17		0.15		mg/Kg	1	✱	6020	Total/NA
Selenium	0.43		0.18		mg/Kg	1	✱	6020	Total/NA
Zinc	95		0.89		mg/Kg	1	✱	6020	Total/NA
pH	8.3	HF	0.1		SU	1		9045D	Total/NA
Specific Conductance	0.65		0.0010		mmhos/cm	1		9050A	Soluble

Client Sample ID: Angel 44-7 Composite Lat. 37.09432 Long. -104.59721

Lab Sample ID: 280-155400-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Barium	110		0.90		mg/Kg	1	✱	6010B	Total/NA
Cadmium	0.84		0.45		mg/Kg	1	✱	6010B	Total/NA
Arsenic	3.2		0.084		mg/Kg	1	✱	6020	Total/NA
Copper	32	F1	0.21		mg/Kg	1	✱	6020	Total/NA
Lead	21		0.084		mg/Kg	1	✱	6020	Total/NA
Nickel	16		0.14		mg/Kg	1	✱	6020	Total/NA
Selenium	0.57		0.17		mg/Kg	1	✱	6020	Total/NA
Zinc	77		0.84		mg/Kg	1	✱	6020	Total/NA
pH - Sat Paste	8.4	HF	0.1		SU	1		9045D	Total/NA
Specific Conductance	0.27		0.0010		mmhos/cm	1		9050A	Soluble

This Detection Summary does not include radiochemical test results.

Eurofins TestAmerica, Denver

Method Summary

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

Job ID: 280-155400-1

Method	Method Description	Protocol	Laboratory
8260B	Volatile Organic Compounds (GC/MS)	SW846	TAL DEN
8270C SIM	Semivolatile Organic Compounds (GC/MS SIM)	SW846	TAL DEN
8015B	Gasoline Range Organics - (GC)	SW846	TAL DEN
8015B	Diesel Range Organics (DRO) (GC)	SW846	TAL DEN
20B	Sodium Adsorption Ratio	USDA	TAL DEN
6010B	Total Metals	SW846	TAL DEN
6020	Total Metals by ICP-MS	SW846	TAL DEN
7196A	Chromium, Hexavalent	SW846	TAL PIT
9045D	pH	SW846	XEN CC
9050A	Specific Conductance	SW846	XEN CC
Moisture	Percent Moisture	EPA	TAL DEN
20B	Preparation, Sodium Absorption Ratio	USDA	TAL DEN
3050B	Preparation, Metals	SW846	TAL DEN
3060A	Alkaline Digestion (Chromium, Hexavalent)	SW846	TAL PIT
3546	Microwave Extraction	SW846	TAL DEN
3550C	Ultrasonic Extraction	SW846	TAL DEN
5030A	Purge and Trap	SW846	TAL DEN
Sat Paste Ext	Saturated Paste Extraction	TAL SOP	XEN 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:

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

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

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

Sample Summary

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

Job ID: 280-155400-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
280-155400-1	Angel 44-7 Native Lat. 37.09432 Long. -104.59721	Solid	11/09/21 10:30	11/10/21 09:20
280-155400-2	Angel 44-7 Composite Lat. 37.09432 Long. -104.59721	Solid	11/09/21 10:30	11/10/21 09:20

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Client Sample Results

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

Job ID: 280-155400-1

Client Sample ID: Angel 44-7 Native Lat. 37.09432 Long. -104.59721

Lab Sample ID: 280-155400-1

Date Collected: 11/09/21 10:30

Matrix: Solid

Date Received: 11/10/21 09:20

Percent Solids: 94.3

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.0049		mg/Kg	✱	11/15/21 11:45	11/15/21 20:20	1
Ethylbenzene	ND		0.0049		mg/Kg	✱	11/15/21 11:45	11/15/21 20:20	1
Naphthalene	ND		0.0064		mg/Kg	✱	11/15/21 11:45	11/15/21 20:20	1
Toluene	ND		0.0049		mg/Kg	✱	11/15/21 11:45	11/15/21 20:20	1
1,2,4-Trimethylbenzene	ND		0.0049		mg/Kg	✱	11/15/21 11:45	11/15/21 20:20	1
1,3,5-Trimethylbenzene	ND		0.0049		mg/Kg	✱	11/15/21 11:45	11/15/21 20:20	1
m-Xylene & p-Xylene	ND		0.0024		mg/Kg	✱	11/15/21 11:45	11/15/21 20:20	1
o-Xylene	ND		0.0024		mg/Kg	✱	11/15/21 11:45	11/15/21 20:20	1
Xylenes, Total	ND		0.0049		mg/Kg	✱	11/15/21 11:45	11/15/21 20:20	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	100		58 - 140	11/15/21 11:45	11/15/21 20:20	1
Toluene-d8 (Surr)	96		80 - 126	11/15/21 11:45	11/15/21 20:20	1
4-Bromofluorobenzene (Surr)	96		76 - 127	11/15/21 11:45	11/15/21 20:20	1
Dibromofluoromethane (Surr)	101		75 - 121	11/15/21 11:45	11/15/21 20:20	1

Method: 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	✱	11/21/21 08:01	11/21/21 10:12	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
a,a,a-Trifluorotoluene	87		77 - 123	11/21/21 08:01	11/21/21 10:12	1

Method: 20B - Sodium Adsorption Ratio - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sodium Adsorption Ratio	ND		1.2		No Unit		11/15/21 06:59	11/17/21 06:06	10
Sodium	ND		10		mg/Kg		11/15/21 06:59	11/17/21 06:06	10
Calcium	5.8		2.0		mg/Kg		11/15/21 06:59	11/17/21 06:06	10
Magnesium	.1131020.		2.0		mg/L		11/15/21 06:59	11/17/21 06:06	10

Method: 6010B - Total Metals

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Barium	160		0.95		mg/Kg	✱	11/14/21 12:13	11/15/21 16:18	1
Boron	ND	F1	9.5		mg/Kg	✱	11/14/21 12:13	11/15/21 16:18	1
Cadmium	ND		0.48		mg/Kg	✱	11/14/21 12:13	11/15/21 16:18	1
Silver	ND		0.95		mg/Kg	✱	11/14/21 12:13	11/15/21 16:18	1

Method: 6020 - Total Metals by ICP-MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	2.1		0.089		mg/Kg	✱	11/12/21 15:18	11/15/21 11:36	1
Copper	31		0.22		mg/Kg	✱	11/12/21 15:18	11/15/21 11:36	1
Lead	19		0.089		mg/Kg	✱	11/12/21 15:18	11/15/21 11:36	1
Nickel	17		0.15		mg/Kg	✱	11/12/21 15:18	11/15/21 11:36	1
Selenium	0.43		0.18		mg/Kg	✱	11/12/21 15:18	11/15/21 11:36	1
Zinc	95		0.89		mg/Kg	✱	11/12/21 15:18	11/15/21 11:36	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	8.3	HF	0.1		SU			11/23/21 08:20	1

Eurofins TestAmerica, Denver

Client Sample Results

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

Job ID: 280-155400-1

Client Sample ID: Angel 44-7 Native Lat. 37.09432 Long. -104.59721

Lab Sample ID: 280-155400-1

Date Collected: 11/09/21 10:30

Matrix: Solid

Date Received: 11/10/21 09:20

Percent Solids: 94.3

General Chemistry (Continued)

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	5.7		0.1		%			11/16/21 15:06	1

General Chemistry - Soluble

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Specific Conductance	0.65		0.0010		mmhos/cm		11/23/21 15:00	11/23/21 15:15	1

Client Sample Results

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

Job ID: 280-155400-1

Client Sample ID: Angel 44-7 Composite Lat. 37.09432 Long. -104.59721

Lab Sample ID: 280-155400-2

Date Collected: 11/09/21 10:30

Matrix: Solid

Date Received: 11/10/21 09:20

Percent Solids: 92.4

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.0055		mg/Kg	✱	11/15/21 11:45	11/15/21 20:43	1
Ethylbenzene	ND		0.0055		mg/Kg	✱	11/15/21 11:45	11/15/21 20:43	1
Naphthalene	ND		0.0073		mg/Kg	✱	11/15/21 11:45	11/15/21 20:43	1
Toluene	ND		0.0055		mg/Kg	✱	11/15/21 11:45	11/15/21 20:43	1
1,2,4-Trimethylbenzene	ND		0.0055		mg/Kg	✱	11/15/21 11:45	11/15/21 20:43	1
1,3,5-Trimethylbenzene	ND		0.0055		mg/Kg	✱	11/15/21 11:45	11/15/21 20:43	1
m-Xylene & p-Xylene	ND		0.0028		mg/Kg	✱	11/15/21 11:45	11/15/21 20:43	1
o-Xylene	ND		0.0028		mg/Kg	✱	11/15/21 11:45	11/15/21 20:43	1
Xylenes, Total	ND		0.0055		mg/Kg	✱	11/15/21 11:45	11/15/21 20:43	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	99		58 - 140	11/15/21 11:45	11/15/21 20:43	1
Toluene-d8 (Surr)	96		80 - 126	11/15/21 11:45	11/15/21 20:43	1
4-Bromofluorobenzene (Surr)	97		76 - 127	11/15/21 11:45	11/15/21 20:43	1
Dibromofluoromethane (Surr)	101		75 - 121	11/15/21 11:45	11/15/21 20:43	1

Method: 8270C SIM - Semivolatile Organic Compounds (GC/MS SIM)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzo[b]fluoranthene	ND		0.0052		mg/Kg	✱	11/17/21 13:43	11/23/21 19:28	1
Benzo[a]pyrene	ND		0.0052		mg/Kg	✱	11/17/21 13:43	11/23/21 19:28	1
Benzo[a]anthracene	ND		0.0052		mg/Kg	✱	11/17/21 13:43	11/23/21 19:28	1
Benzo[k]fluoranthene	ND		0.0052		mg/Kg	✱	11/17/21 13:43	11/23/21 19:28	1
Anthracene	ND		0.0052		mg/Kg	✱	11/17/21 13:43	11/23/21 19:28	1
Dibenz(a,h)anthracene	ND		0.0052		mg/Kg	✱	11/17/21 13:43	11/23/21 19:28	1
Chrysene	ND		0.0052		mg/Kg	✱	11/17/21 13:43	11/23/21 19:28	1
Acenaphthene	ND		0.0052		mg/Kg	✱	11/17/21 13:43	11/23/21 19:28	1
Fluoranthene	ND		0.0052		mg/Kg	✱	11/17/21 13:43	11/23/21 19:28	1
Fluorene	ND		0.0052		mg/Kg	✱	11/17/21 13:43	11/23/21 19:28	1
Pyrene	ND		0.0052		mg/Kg	✱	11/17/21 13:43	11/23/21 19:28	1
Indeno[1,2,3-cd]pyrene	ND		0.0052		mg/Kg	✱	11/17/21 13:43	11/23/21 19:28	1
2-Methylnaphthalene	ND		0.0052		mg/Kg	✱	11/17/21 13:43	11/23/21 19:28	1
Naphthalene	ND		0.0052		mg/Kg	✱	11/17/21 13:43	11/23/21 19:28	1
1-Methylnaphthalene	ND		0.0052		mg/Kg	✱	11/17/21 13:43	11/23/21 19:28	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2-Fluorobiphenyl	74		39 - 120	11/17/21 13:43	11/23/21 19:28	1
Nitrobenzene-d5	68		42 - 120	11/17/21 13:43	11/23/21 19:28	1
Terphenyl-d14	98		35 - 124	11/17/21 13:43	11/23/21 19:28	1

Method: 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	✱	11/12/21 11:48	11/12/21 20:37	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
a,a,a-Trifluorotoluene	94		77 - 123	11/12/21 11:48	11/12/21 20:37	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND	F1	8.1		mg/Kg	✱	11/16/21 14:04	11/17/21 18:51	1

Eurofins TestAmerica, Denver

Client Sample Results

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

Job ID: 280-155400-1

Client Sample ID: Angel 44-7 Composite Lat. 37.09432 Long. -104.59721

Lab Sample ID: 280-155400-2

Date Collected: 11/09/21 10:30

Matrix: Solid

Date Received: 11/10/21 09:20

Percent Solids: 92.4

Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
<i>o</i> -Terphenyl	62		49 - 115				11/16/21 14:04	11/17/21 18:51	1
Method: 20B - Sodium Adsorption Ratio - Soluble									
Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Sodium Adsorption Ratio	ND		1.2		No Unit		11/15/21 06:59	11/17/21 06:06	10
Method: 6010B - Total Metals									
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Barium	110		0.90		mg/Kg	☆	11/12/21 05:52	11/12/21 22:40	1
Boron	ND	F1	9.0		mg/Kg	☆	11/12/21 05:52	11/12/21 22:40	1
Cadmium	0.84		0.45		mg/Kg	☆	11/12/21 05:52	11/12/21 22:40	1
Silver	ND		0.90		mg/Kg	☆	11/12/21 05:52	11/12/21 22:40	1
Method: 6020 - Total Metals by ICP-MS									
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	3.2		0.084		mg/Kg	☆	11/10/21 15:07	11/12/21 09:44	1
Copper	32	F1	0.21		mg/Kg	☆	11/10/21 15:07	11/12/21 09:44	1
Lead	21		0.084		mg/Kg	☆	11/10/21 15:07	11/12/21 09:44	1
Nickel	16		0.14		mg/Kg	☆	11/10/21 15:07	11/12/21 09:44	1
Selenium	0.57		0.17		mg/Kg	☆	11/10/21 15:07	11/12/21 09:44	1
Zinc	77		0.84		mg/Kg	☆	11/10/21 15:07	11/12/21 09:44	1
General Chemistry									
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cr (VI)	ND		0.43		mg/Kg	☆	11/22/21 10:33	11/23/21 18:26	1
Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
pH - Sat Paste	8.4	HF	0.1		SU			11/23/21 08:20	1
Percent Moisture	7.6		0.1		%			11/11/21 10:11	1
General Chemistry - Soluble									
Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Specific Conductance	0.27		0.0010		mmhos/cm		11/23/21 15:00	11/23/21 15:15	1

Surrogate Summary

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

Job ID: 280-155400-1

Method: 8260B - Volatile Organic Compounds (GC/MS)

Matrix: Solid

Prep Type: Total/NA

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits)			
		DCA (58-140)	TOL (80-126)	BFB (76-127)	DBFM (75-121)
280-155400-1	Angel 44-7 Native Lat. 37.09432	100	96	96	101
280-155400-2	Angel 44-7 Composite Lat. 37.09432 Long. -104.59721	99	96	97	101
LCS 280-557507/1-A	Lab Control Sample	104	97	98	101
LCSD 280-557507/2-A	Lab Control Sample Dup	104	98	97	102
MB 280-557507/3-A	Method Blank	100	101	98	102
Surrogate Legend					
DCA = 1,2-Dichloroethane-d4 (Surr)					
TOL = Toluene-d8 (Surr)					
BFB = 4-Bromofluorobenzene (Surr)					
DBFM = Dibromofluoromethane (Surr)					

Method: 8270C SIM - Semivolatile Organic Compounds (GC/MS SIM)

Matrix: Solid

Prep Type: Total/NA

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits)		
		FBP (39-120)	NBZ (42-120)	TPHL (35-124)
280-155400-2	Angel 44-7 Composite Lat. 37.09432	74	68	98
280-155400-2 MS	Angel 44-7 Composite Lat. 37.09432 Long. -104.59721	83	79	114
280-155400-2 MSD	Angel 44-7 Composite Lat. 37.09432 Long. -104.59721	81	75	94
LCS 280-557767/2-A	Lab Control Sample	84	84	93
MB 280-557767/1-A	Method Blank	72	38 S1-	103
Surrogate Legend				
FBP = 2-Fluorobiphenyl				
NBZ = Nitrobenzene-d5				
TPHL = Terphenyl-d14				

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

Matrix: Solid

Prep Type: Total/NA

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits)	
		TFT1 (77-123)	
280-155167-A-5-D MS	Matrix Spike	96	
280-155167-A-5-E MSD	Matrix Spike Duplicate	96	
280-155400-1	Angel 44-7 Native Lat. 37.09432 Long. -104.59721	87	
280-155400-1 MS	Angel 44-7 Native Lat. 37.09432 Long. -104.59721	90	
280-155400-1 MSD	Angel 44-7 Native Lat. 37.09432 Long. -104.59721	90	
280-155400-2	Angel 44-7 Composite Lat. 37.09432 Long. -104.59721	94	
LCS 280-557259/1-A	Lab Control Sample	98	
LCS 280-558241/1-A	Lab Control Sample	92	
LCSD 280-557259/2-A	Lab Control Sample Dup	96	
LCSD 280-558241/2-A	Lab Control Sample Dup	90	
MB 280-557259/14-A	Method Blank	93	

Eurofins TestAmerica, Denver

Surrogate Summary

Client: Evergreen Natural Resources LLC

Job ID: 280-155400-1

Project/Site: Soil Suite

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

Matrix: Solid

Prep Type: Total/NA

Percent Surrogate Recovery (Acceptance Limits)

Lab Sample ID	Client Sample ID	TFT1 (77-123)
MB 280-558241/3-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)
280-155400-2	Angel 44-7 Composite Lat. 37.0	62
280-155400-2 MS	Angel 44-7 Composite Lat. 37.09432 Long. -104.59721	72
280-155400-2 MSD	Angel 44-7 Composite Lat. 37.09432 Long. -104.59721	77
LCS 280-557590/2-A	Lab Control Sample	78
MB 280-557590/1-A	Method Blank	59

Surrogate Legend

OTPH = o-Terphenyl

Lab Chronicle

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

Job ID: 280-155400-1

Client Sample ID: Angel 44-7 Native Lat. 37.09432 Long. -104.59721

Lab Sample ID: 280-155400-1

Date Collected: 11/09/21 10:30

Matrix: Solid

Date Received: 11/10/21 09:20

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Soluble	Prep	20B			90.028 g	2 mL	557441	11/15/21 06:59	CEH	TAL DEN
Soluble	Analysis	20B		10			558369	11/17/21 06:06	LMT	TAL DEN
Total/NA	Analysis	9045D		1			191072	11/23/21 08:20	NCE	XEN CC
Soluble	Prep	Sat Paste Ext			20 g	20 mL	191090	11/23/21 15:00	LDK	XEN CC
Soluble	Analysis	9050A		1			191091	11/23/21 15:15	LDK	XEN CC
Total/NA	Analysis	Moisture		1			557687	11/16/21 15:06	MMP	TAL DEN

Client Sample ID: Angel 44-7 Native Lat. 37.09432 Long. -104.59721

Lab Sample ID: 280-155400-1

Date Collected: 11/09/21 10:30

Matrix: Solid

Date Received: 11/10/21 09:20

Percent Solids: 94.3

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5030A			5.446 g	5 mL	557507	11/15/21 11:45	HLH	TAL DEN
Total/NA	Analysis	8260B		1	5 g	5 mL	557758	11/15/21 20:20	GPM	TAL DEN
Total/NA	Prep	5030A			5.696 g	5 mL	558241	11/21/21 08:01	SKL	TAL DEN
Total/NA	Analysis	8015B		1	0.1 mL	5 mL	558242	11/21/21 10:12	CAS	TAL DEN
Total/NA	Prep	3050B			1.111 g	100 mL	557270	11/14/21 12:13	MAB	TAL DEN
Total/NA	Analysis	6010B		1			557576	11/15/21 16:18	LMT	TAL DEN
Total/NA	Prep	3050B			1.190 g	100 mL	557268	11/12/21 15:18	CEH	TAL DEN
Total/NA	Analysis	6020		1			557595	11/15/21 11:36	LMT	TAL DEN

Client Sample ID: Angel 44-7 Composite Lat. 37.09432 Long. -104.59721

Lab Sample ID: 280-155400-2

Date Collected: 11/09/21 10:30

Matrix: Solid

Date Received: 11/10/21 09:20

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Soluble	Prep	20B			95.342 g	2 mL	557441	11/15/21 06:59	CEH	TAL DEN
Soluble	Analysis	20B		10			558369	11/17/21 06:06	LMT	TAL DEN
Total/NA	Analysis	9045D		1			191072	11/23/21 08:20	NCE	XEN CC
Soluble	Prep	Sat Paste Ext			20 g	20 mL	191090	11/23/21 15:00	LDK	XEN CC
Soluble	Analysis	9050A		1			191091	11/23/21 15:15	LDK	XEN CC
Total/NA	Analysis	Moisture		1			557069	11/11/21 10:11	MMP	TAL DEN

Client Sample ID: Angel 44-7 Composite Lat. 37.09432 Long. -104.59721

Lab Sample ID: 280-155400-2

Date Collected: 11/09/21 10:30

Matrix: Solid

Date Received: 11/10/21 09:20

Percent Solids: 92.4

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5030A			4.914 g	5 mL	557507	11/15/21 11:45	HLH	TAL DEN
Total/NA	Analysis	8260B		1	5 g	5 mL	557758	11/15/21 20:43	GPM	TAL DEN

Eurofins TestAmerica, Denver

Lab Chronicle

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

Job ID: 280-155400-1

Client Sample ID: Angel 44-7 Composite Lat. 37.09432 Long. -104.59721

Lab Sample ID: 280-155400-2

Date Collected: 11/09/21 10:30

Matrix: Solid

Date Received: 11/10/21 09:20

Percent Solids: 92.4

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3550C			31.3 g	1 mL	557767	11/17/21 13:43	SMQ	TAL DEN
Total/NA	Analysis	8270C SIM		1			558565	11/23/21 19:28	MKW	TAL DEN
Total/NA	Prep	5030A			5.433 g	5 mL	557259	11/12/21 11:48	CAS	TAL DEN
Total/NA	Analysis	8015B		1	0.1 mL	5 mL	557262	11/12/21 20:37	GO	TAL DEN
Total/NA	Prep	3546			16.1 g	1 mL	557590	11/16/21 14:04	SMQ	TAL DEN
Total/NA	Analysis	8015B		1			557810	11/17/21 18:51	JDV	TAL DEN
Total/NA	Prep	3050B			1.208 g	100 mL	557087	11/12/21 05:52	PNS	TAL DEN
Total/NA	Analysis	6010B		1			557394	11/12/21 22:40	LMT	TAL DEN
Total/NA	Prep	3050B			1.281 g	100 mL	556923	11/10/21 15:07	CEH	TAL DEN
Total/NA	Analysis	6020		1			557301	11/12/21 09:44	LMT	TAL DEN
Total/NA	Prep	3060A			2.49 g	100 mL	379767	11/22/21 10:33	PMH	TAL PIT
Total/NA	Analysis	7196A		1	25 mL	25 mL	380006	11/23/21 18:26	PMH	TAL PIT

Laboratory References:

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

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

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

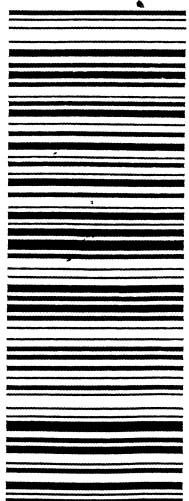
Environment Testing
America

Client Information		Sampler: <i>MA21C M</i>		Lab PM: <i>Harrington, Danielle M</i>		Carrier Tracking No(s): <i>280-104816-30964.1</i>	
Client Contact: <i>Stacey Wiseman M. Smith</i>		Phone: <i>719-846-7858</i>		E-Mail: <i>Danielle.Harrington@Eurofinset.com</i>		State of Origin:	
Company: <i>Evergreen Natural Resources LLC</i>		PWSID:		Analysis Requested		Job #:	
Address: <i>27000 Hwy 12</i>		Due Date Requested:		TAT Requested (days): <i>STD</i>		Preservation Codes:	
City: <i>Trinidad</i>		Compliance Project: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		PO #:		A - HCL M - Hexane N - None O - AsNaO2 P - Na2O4S Q - NaHSO4 R - Na2SO3 S - H2SO4 T - TSP Dodecahydrate U - Acetone V - MCAA W - pH 4-5 X - EDTA Z - other (specify)	
Email: <i>Labs</i>		WO #:		Project #:		Other:	
Project Name: <i>Evergreen Natural Resources</i>		SSOW#:		Field Filtered Sample (Yes or No)		Perform MS/MSD (Yes or No)	
Site: <i>Colorado</i>		Sample Date		Sample Time		Sample Type (C=Comp, G=grab)	
Matrix (W=water, S=solid, O=waste/soil)		Preservation Code:		Solid		Special Instructions/Note:	
Sample Identification		Sample Date		Sample Time		Sample Type (C=Comp, G=grab)	
Angel 44-7 Native		Lat. 37.09432		Long -104.59721		Total Number of containers	
Angel 44-7 Composite		Lat. 37.09460		Long -104.59723		Special Instructions/Note:	
Possible Hazard Identification		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"/>		Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)		Return To Client <input type="checkbox"/> Disposal By Lab <input type="checkbox"/> Archive For <input type="checkbox"/> Months	
Deliverable Requested: I, II, III, IV, Other (specify)		Empty Kit Relinquished by:		Relinquished by: <i>MA21C M</i>		Relinquished by:	
Relinquished by:		Date/Time: <i>11-9-21 1800</i>		Company: <i>ENRIL</i>		Date/Time: <i>11/9/21 0900</i>	
Relinquished by:		Date/Time:		Company:		Date/Time:	
Relinquished by:		Date/Time:		Company:		Date/Time:	
Custody Seal No.: <i>1808034</i>		Custody Seal Intact: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No		Cooler Temperature(s) °C and Other Remarks:		Company: <i>ENRIL</i>	

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280-155400 Waybill



Door-0001

CO 8029-30

CO 80002

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6511749 Nov 10 01:58 5 2021 HIPPS 21.6.0 US 8029 N

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280-155400 Chain of Custody



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