

# ANALYTICAL REPORT

## PREPARED FOR

Attn: Greg Hoenmans  
Evergreen Natural Resources LLC  
27000 Hwy 12  
Trinidad, Colorado 81082  
Generated 12/5/2023 3:14:08 PM

## JOB DESCRIPTION

915 Full Soil Suite

## JOB NUMBER

280-184766-1

# 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.

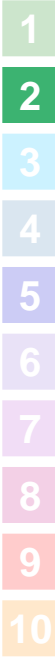
The test results in this report relate only to the samples as received by the laboratory and will meet all requirements of the methodology, with any exceptions noted. This report shall not be reproduced except in full, without the express written approval of the laboratory. All questions should be directed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

## Authorization



Generated  
12/5/2023 3:14:08 PM

Authorized for release by  
Matthew Gardner, Project Manager I  
[Matthew.Gardner@et.eurofinsus.com](mailto: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 . . . . .	6
Method Summary . . . . .	8
Sample Summary . . . . .	9
Client Sample Results . . . . .	10
Chronicle . . . . .	20
Chain of Custody . . . . .	23

# Definitions/Glossary

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

Job ID: 280-184766-1

## Qualifiers

### General Chemistry

Qualifier	Qualifier Description
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: 280-184766-1

**Job ID: 280-184766-1**

**Laboratory: Eurofins Denver**

**Narrative**

## CASE NARRATIVE

**Client: Evergreen Natural Resources LLC**

**Project: 915 Full Soil Suite**

**Report Number: 280-184766-1**

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 11/17/2023 8:30 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.

### 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 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: KAMIKAZE 32-18 SS1 (280-184766-1), KAMIKAZE 32-18 SS2 (280-184766-2), KAMIKAZE 32-18 SS3 (280-184766-3), FOXTROT 34-10 SS1 (280-184766-4), FOXTROT 34-10 SS2 (280-184766-5), FOXTROT 34-10 SS3 (280-184766-6), PATIENT 42-31 SS1 (280-184766-7), PATIENT 42-31 SS2 (280-184766-8), PATIENT 42-31 SS3 (280-184766-9) and JAN H STATE 14-16 NATIVE2 (280-184766-10).

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: 280-184766-1

## Client Sample ID: KAMIKAZE 32-18 SS1

## Lab Sample ID: 280-184766-1

Analyte	Result	Qualifier	RL	RL	Unit	Dil Fac	D	Method	Prep Type
Sodium Adsorption Ratio	11		1.2		No Unit	10		20B	Soluble
Sodium	36		10		mg/Kg	10		20B	Soluble
Calcium	5.4		2.0		mg/Kg	10		20B	Soluble
pH - Sat Paste	7.4	HF	0.1		SU	1		9045D	Total/NA

## Client Sample ID: KAMIKAZE 32-18 SS2

## Lab Sample ID: 280-184766-2

Analyte	Result	Qualifier	RL	RL	Unit	Dil Fac	D	Method	Prep Type
Sodium Adsorption Ratio	5.6		1.2		No Unit	10		20B	Soluble
Sodium	14		10		mg/Kg	10		20B	Soluble
Calcium	3.1		2.0		mg/Kg	10		20B	Soluble
pH - Sat Paste	8.3	HF	0.1		SU	1		9045D	Total/NA

## Client Sample ID: KAMIKAZE 32-18 SS3

## Lab Sample ID: 280-184766-3

Analyte	Result	Qualifier	RL	RL	Unit	Dil Fac	D	Method	Prep Type
Sodium Adsorption Ratio	11		1.2		No Unit	10		20B	Soluble
Sodium	37		10		mg/Kg	10		20B	Soluble
Calcium	5.6		2.0		mg/Kg	10		20B	Soluble
pH - Sat Paste	8.3	HF	0.1		SU	1		9045D	Total/NA

## Client Sample ID: FOXTROT 34-10 SS1

## Lab Sample ID: 280-184766-4

Analyte	Result	Qualifier	RL	RL	Unit	Dil Fac	D	Method	Prep Type
pH - Sat Paste	8.3	HF	0.1		SU	1		9045D	Total/NA

## Client Sample ID: FOXTROT 34-10 SS2

## Lab Sample ID: 280-184766-5

Analyte	Result	Qualifier	RL	RL	Unit	Dil Fac	D	Method	Prep Type
Sodium Adsorption Ratio	3.6		1.2		No Unit	10		20B	Soluble
Calcium	2.5		2.0		mg/Kg	10		20B	Soluble
pH - Sat Paste	8.4	HF	0.1		SU	1		9045D	Total/NA

## Client Sample ID: FOXTROT 34-10 SS3

## Lab Sample ID: 280-184766-6

Analyte	Result	Qualifier	RL	RL	Unit	Dil Fac	D	Method	Prep Type
Sodium Adsorption Ratio	2.6		1.2		No Unit	10		20B	Soluble
Calcium	2.5		2.0		mg/Kg	10		20B	Soluble
pH - Sat Paste	8.0	HF	0.1		SU	1		9045D	Total/NA

## Client Sample ID: PATIENT 42-31 SS1

## Lab Sample ID: 280-184766-7

Analyte	Result	Qualifier	RL	RL	Unit	Dil Fac	D	Method	Prep Type
Calcium	6.2		2.0		mg/Kg	10		20B	Soluble
pH - Sat Paste	8.2	HF	0.1		SU	1		9045D	Total/NA
Specific Conductance	440		1.0		umhos/cm	1		9050A	Soluble

## Client Sample ID: PATIENT 42-31 SS2

## Lab Sample ID: 280-184766-8

Analyte	Result	Qualifier	RL	RL	Unit	Dil Fac	D	Method	Prep Type
Calcium	15		2.0		mg/Kg	10		20B	Soluble
Magnesium	3.3		2.0		mg/Kg	10		20B	Soluble
pH - Sat Paste	7.8	HF	0.1		SU	1		9045D	Total/NA
Specific Conductance	1100		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: 280-184766-1

### Client Sample ID: PATIENT 42-31 SS3

Lab Sample ID: 280-184766-9

Analyte	Result	Qualifier	RL	RL	Unit	Dil Fac	D	Method	Prep Type
Sodium Adsorption Ratio	1.4		1.2		No Unit	10		20B	Soluble
Calcium	16		2.0		mg/Kg	10		20B	Soluble
Magnesium	3.8		2.0		mg/Kg	10		20B	Soluble
pH - Sat Paste	7.9	HF	0.1		SU	1		9045D	Total/NA

### Client Sample ID: JAN H STATE 14-16 NATIVE2

Lab Sample ID: 280-184766-10

Analyte	Result	Qualifier	RL	RL	Unit	Dil Fac	D	Method	Prep Type
pH - Sat Paste	9.2	HF	0.1		SU	1		9045D	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: 280-184766-1

Method	Method Description	Protocol	Laboratory
20B	Sodium Adsorption Ratio	USDA	EET DEN
9045D	pH	SW846	EET CC
9050A	Specific Conductance	SW846	EET CC
Moisture	Percent Moisture	EPA	EET CC
Moisture	Percent Moisture	EPA	EET DEN
20B	Preparation, Sodium Absorption Ratio	USDA	EET DEN
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



## Sample Summary

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

Job ID: 280-184766-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
280-184766-1	KAMIKAZE 32-18 SS1	Solid	11/15/23 10:20	11/17/23 08:30
280-184766-2	KAMIKAZE 32-18 SS2	Solid	11/15/23 10:20	11/17/23 08:30
280-184766-3	KAMIKAZE 32-18 SS3	Solid	11/15/23 10:20	11/17/23 08:30
280-184766-4	FOXTROT 34-10 SS1	Solid	11/15/23 11:10	11/17/23 08:30
280-184766-5	FOXTROT 34-10 SS2	Solid	11/15/23 11:10	11/17/23 08:30
280-184766-6	FOXTROT 34-10 SS3	Solid	11/15/23 11:10	11/17/23 08:30
280-184766-7	PATIENT 42-31 SS1	Solid	11/15/23 12:50	11/17/23 08:30
280-184766-8	PATIENT 42-31 SS2	Solid	11/15/23 12:50	11/17/23 08:30
280-184766-9	PATIENT 42-31 SS3	Solid	11/15/23 12:50	11/17/23 08:30
280-184766-10	JAN H STATE 14-16 NATIVE2	Solid	11/15/23 13:20	11/17/23 08:30

# Client Sample Results

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

Job ID: 280-184766-1

Client Sample ID: KAMIKAZE 32-18 SS1

Lab Sample ID: 280-184766-1

Date Collected: 11/15/23 10:20

Matrix: Solid

Date Received: 11/17/23 08:30

## 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		11/30/23 11:09	12/05/23 11:25	10
Sodium	36		10		mg/Kg		11/30/23 11:09	12/05/23 11:25	10
Calcium	5.4		2.0		mg/Kg		11/30/23 11:09	12/05/23 11:25	10
Magnesium	ND		2.0		mg/Kg		11/30/23 11:09	12/05/23 11:25	10

## General Chemistry

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
pH - Sat Paste (SW846 9045D)	7.4	HF	0.1		SU			11/22/23 12:22	1
Percent Moisture (EPA Moisture)	5.4		0.1		%			11/29/23 17:56	1

# Client Sample Results

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

Job ID: 280-184766-1

**Client Sample ID: KAMIKAZE 32-18 SS2**

**Lab Sample ID: 280-184766-2**

Date Collected: 11/15/23 10:20

Matrix: Solid

Date Received: 11/17/23 08:30

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

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Sodium Adsorption Ratio	5.6		1.2		No Unit		11/30/23 11:09	12/05/23 11:25	10
Sodium	14		10		mg/Kg		11/30/23 11:09	12/05/23 11:25	10
Calcium	3.1		2.0		mg/Kg		11/30/23 11:09	12/05/23 11:25	10
Magnesium	ND		2.0		mg/Kg		11/30/23 11:09	12/05/23 11:25	10

## General Chemistry

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
pH - Sat Paste (SW846 9045D)	8.3	HF	0.1		SU			11/22/23 12:22	1
Percent Moisture (EPA Moisture)	5.3		0.1		%			11/29/23 17:56	1

# Client Sample Results

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

Job ID: 280-184766-1

Client Sample ID: KAMIKAZE 32-18 SS3

Lab Sample ID: 280-184766-3

Date Collected: 11/15/23 10:20

Matrix: Solid

Date Received: 11/17/23 08:30

## 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		11/30/23 11:09	12/05/23 11:25	10
Sodium	37		10		mg/Kg		11/30/23 11:09	12/05/23 11:25	10
Calcium	5.6		2.0		mg/Kg		11/30/23 11:09	12/05/23 11:25	10
Magnesium	ND		2.0		mg/Kg		11/30/23 11:09	12/05/23 11:25	10

## General Chemistry

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
pH - Sat Paste (SW846 9045D)	8.3	HF	0.1		SU			11/22/23 12:22	1
Percent Moisture (EPA Moisture)	8.9		0.1		%			11/29/23 17:56	1

# Client Sample Results

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

Job ID: 280-184766-1

**Client Sample ID: FOXTROT 34-10 SS1**

**Lab Sample ID: 280-184766-4**

**Date Collected: 11/15/23 11:10**

**Matrix: Solid**

**Date Received: 11/17/23 08:30**

## General Chemistry

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
pH - Sat Paste (SW846 9045D)	8.3	HF	0.1		SU			11/22/23 12:22	1
Percent Moisture (EPA Moisture)	7.0		0.1		%			11/21/23 11:27	1

# Client Sample Results

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

Job ID: 280-184766-1

Client Sample ID: FOXTROT 34-10 SS2

Lab Sample ID: 280-184766-5

Date Collected: 11/15/23 11:10

Matrix: Solid

Date Received: 11/17/23 08:30

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

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Sodium Adsorption Ratio	3.6		1.2		No Unit		11/30/23 11:09	12/05/23 11:25	10
Sodium	ND		10		mg/Kg		11/30/23 11:09	12/05/23 11:25	10
Calcium	2.5		2.0		mg/Kg		11/30/23 11:09	12/05/23 11:25	10
Magnesium	ND		2.0		mg/Kg		11/30/23 11:09	12/05/23 11:25	10

## General Chemistry

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
pH - Sat Paste (SW846 9045D)	8.4	HF	0.1		SU			11/22/23 12:22	1
Percent Moisture (EPA Moisture)	5.2		0.1		%			11/29/23 17:56	1

# Client Sample Results

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

Job ID: 280-184766-1

**Client Sample ID: FOXTROT 34-10 SS3**

**Lab Sample ID: 280-184766-6**

**Date Collected: 11/15/23 11:10**

**Matrix: Solid**

**Date Received: 11/17/23 08:30**

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

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
<b>Sodium Adsorption Ratio</b>	<b>2.6</b>		1.2		No Unit		11/30/23 11:09	12/05/23 11:25	10
Sodium	ND		10		mg/Kg		11/30/23 11:09	12/05/23 11:25	10
<b>Calcium</b>	<b>2.5</b>		2.0		mg/Kg		11/30/23 11:09	12/05/23 11:25	10
Magnesium	ND		2.0		mg/Kg		11/30/23 11:09	12/05/23 11:25	10

## General Chemistry

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
<b>pH - Sat Paste (SW846 9045D)</b>	<b>8.0</b>	<b>HF</b>	0.1		SU			11/22/23 12:22	1
<b>Percent Moisture (EPA Moisture)</b>	<b>7.7</b>		0.1		%			11/29/23 17:56	1

# Client Sample Results

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

Job ID: 280-184766-1

Client Sample ID: PATIENT 42-31 SS1

Lab Sample ID: 280-184766-7

Date Collected: 11/15/23 12:50

Matrix: Solid

Date Received: 11/17/23 08:30

## 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		11/30/23 11:09	12/05/23 11:25	10
Sodium	ND		10		mg/Kg		11/30/23 11:09	12/05/23 11:25	10
Calcium	6.2		2.0		mg/Kg		11/30/23 11:09	12/05/23 11:25	10
Magnesium	ND		2.0		mg/Kg		11/30/23 11:09	12/05/23 11:25	10

## General Chemistry

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
pH - Sat Paste (SW846 9045D)	8.2	HF	0.1		SU			11/22/23 12:22	1
Percent Moisture (EPA Moisture)	4.7		0.1		%			11/29/23 17:56	1

## General Chemistry - Soluble

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Specific Conductance (SW846 9050A)	440		1.0		umhos/cm		11/28/23 16:37	11/28/23 16:37	1



# Client Sample Results

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

Job ID: 280-184766-1

Client Sample ID: PATIENT 42-31 SS2

Lab Sample ID: 280-184766-8

Date Collected: 11/15/23 12:50

Matrix: Solid

Date Received: 11/17/23 08:30

## 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		11/30/23 11:09	12/05/23 11:25	10
Sodium	ND		10		mg/Kg		11/30/23 11:09	12/05/23 11:25	10
Calcium	15		2.0		mg/Kg		11/30/23 11:09	12/05/23 11:25	10
Magnesium	3.3		2.0		mg/Kg		11/30/23 11:09	12/05/23 11:25	10

## General Chemistry

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
pH - Sat Paste (SW846 9045D)	7.8	HF	0.1		SU			11/22/23 12:22	1
Percent Moisture (EPA Moisture)	2.3		0.1		%			11/29/23 17:56	1

## General Chemistry - Soluble

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Specific Conductance (SW846 9050A)	1100		1.0		umhos/cm		11/28/23 16:37	11/28/23 16:37	1

# Client Sample Results

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

Job ID: 280-184766-1

Client Sample ID: PATIENT 42-31 SS3

Lab Sample ID: 280-184766-9

Date Collected: 11/15/23 12:50

Matrix: Solid

Date Received: 11/17/23 08:30

## 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		11/30/23 11:09	12/05/23 11:25	10
Sodium	ND		10		mg/Kg		11/30/23 11:09	12/05/23 11:25	10
Calcium	16		2.0		mg/Kg		11/30/23 11:09	12/05/23 11:25	10
Magnesium	3.8		2.0		mg/Kg		11/30/23 11:09	12/05/23 11:25	10

## General Chemistry

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
pH - Sat Paste (SW846 9045D)	7.9	HF	0.1		SU			11/22/23 12:22	1
Percent Moisture (EPA Moisture)	7.2		0.1		%			11/29/23 17:56	1

# Client Sample Results

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

Job ID: 280-184766-1

**Client Sample ID: JAN H STATE 14-16 NATIVE2**  
**Date Collected: 11/15/23 13:20**  
**Date Received: 11/17/23 08:30**

**Lab Sample ID: 280-184766-10**  
**Matrix: Solid**

General Chemistry									
Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
pH - Sat Paste (SW846 9045D)	9.2	HF	0.1		SU			11/22/23 12:22	1
Percent Moisture (EPA Moisture)	0.8		0.1		%			11/21/23 11:27	1

# Lab Chronicle

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

Job ID: 280-184766-1

**Client Sample ID: KAMIKAZE 32-18 SS1**

**Lab Sample ID: 280-184766-1**

**Date Collected: 11/15/23 10:20**

**Matrix: Solid**

**Date Received: 11/17/23 08:30**

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Soluble	Prep	20B			93.815 g	5 mL	635638	11/30/23 11:09	MSM	EET DEN
Soluble	Analysis	20B		10			636109	12/05/23 11:25	RMS	EET DEN
Total/NA	Analysis	9045D		1	20.01 g	20 mL	210212	11/22/23 12:22	JET	EET CC
Total/NA	Analysis	Moisture		1			635573	11/29/23 17:56	CLP	EET DEN

**Client Sample ID: KAMIKAZE 32-18 SS2**

**Lab Sample ID: 280-184766-2**

**Date Collected: 11/15/23 10:20**

**Matrix: Solid**

**Date Received: 11/17/23 08:30**

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Soluble	Prep	20B			92.297 g	5 mL	635638	11/30/23 11:09	MSM	EET DEN
Soluble	Analysis	20B		10			636109	12/05/23 11:25	RMS	EET DEN
Total/NA	Analysis	9045D		1	20.01 g	20 mL	210212	11/22/23 12:22	JET	EET CC
Total/NA	Analysis	Moisture		1			635573	11/29/23 17:56	CLP	EET DEN

**Client Sample ID: KAMIKAZE 32-18 SS3**

**Lab Sample ID: 280-184766-3**

**Date Collected: 11/15/23 10:20**

**Matrix: Solid**

**Date Received: 11/17/23 08:30**

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Soluble	Prep	20B			97.860 g	5 mL	635638	11/30/23 11:09	MSM	EET DEN
Soluble	Analysis	20B		10			636109	12/05/23 11:25	RMS	EET DEN
Total/NA	Analysis	9045D		1	20 g	20 mL	210212	11/22/23 12:22	JET	EET CC
Total/NA	Analysis	Moisture		1			635573	11/29/23 17:56	CLP	EET DEN

**Client Sample ID: FOXTROT 34-10 SS1**

**Lab Sample ID: 280-184766-4**

**Date Collected: 11/15/23 11:10**

**Matrix: Solid**

**Date Received: 11/17/23 08:30**

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	20.03 g	20 mL	210212	11/22/23 12:22	JET	EET CC
Total/NA	Analysis	Moisture		1			210153	11/21/23 11:27	AKM	EET CC

**Client Sample ID: FOXTROT 34-10 SS2**

**Lab Sample ID: 280-184766-5**

**Date Collected: 11/15/23 11:10**

**Matrix: Solid**

**Date Received: 11/17/23 08:30**

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Soluble	Prep	20B			94.242 g	5 mL	635638	11/30/23 11:09	MSM	EET DEN
Soluble	Analysis	20B		10			636109	12/05/23 11:25	RMS	EET DEN
Total/NA	Analysis	9045D		1	20.03 g	20 mL	210212	11/22/23 12:22	JET	EET CC
Total/NA	Analysis	Moisture		1			635573	11/29/23 17:56	CLP	EET DEN

Eurofins Denver

# Lab Chronicle

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

Job ID: 280-184766-1

**Client Sample ID: FOXTROT 34-10 SS3**

**Lab Sample ID: 280-184766-6**

**Date Collected: 11/15/23 11:10**

**Matrix: Solid**

**Date Received: 11/17/23 08:30**

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Soluble	Prep	20B			104.018 g	5 mL	635638	11/30/23 11:09	MSM	EET DEN
Soluble	Analysis	20B		10			636109	12/05/23 11:25	RMS	EET DEN
Total/NA	Analysis	9045D		1	20.01 g	20 mL	210212	11/22/23 12:22	JET	EET CC
Total/NA	Analysis	Moisture		1			635573	11/29/23 17:56	CLP	EET DEN

**Client Sample ID: PATIENT 42-31 SS1**

**Lab Sample ID: 280-184766-7**

**Date Collected: 11/15/23 12:50**

**Matrix: Solid**

**Date Received: 11/17/23 08:30**

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Soluble	Prep	20B			94.845 g	5 mL	635638	11/30/23 11:09	MSM	EET DEN
Soluble	Analysis	20B		10			636109	12/05/23 11:25	RMS	EET DEN
Total/NA	Analysis	9045D		1	20.01 g	20 mL	210212	11/22/23 12:22	JET	EET CC
Soluble	Prep	Sat Paste Ext			20 g	20 mL	210308	11/28/23 16:37	JET	EET CC
Soluble	Analysis	9050A		1			210286	11/28/23 16:37	JET	EET CC
Total/NA	Analysis	Moisture		1			635573	11/29/23 17:56	CLP	EET DEN

**Client Sample ID: PATIENT 42-31 SS2**

**Lab Sample ID: 280-184766-8**

**Date Collected: 11/15/23 12:50**

**Matrix: Solid**

**Date Received: 11/17/23 08:30**

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Soluble	Prep	20B			103.248 g	5 mL	635638	11/30/23 11:09	MSM	EET DEN
Soluble	Analysis	20B		10			636109	12/05/23 11:25	RMS	EET DEN
Total/NA	Analysis	9045D		1	20.02 g	20 mL	210212	11/22/23 12:22	JET	EET CC
Soluble	Prep	Sat Paste Ext			20 g	20 mL	210308	11/28/23 16:37	JET	EET CC
Soluble	Analysis	9050A		1			210286	11/28/23 16:37	JET	EET CC
Total/NA	Analysis	Moisture		1			635573	11/29/23 17:56	CLP	EET DEN

**Client Sample ID: PATIENT 42-31 SS3**

**Lab Sample ID: 280-184766-9**

**Date Collected: 11/15/23 12:50**

**Matrix: Solid**

**Date Received: 11/17/23 08:30**

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Soluble	Prep	20B			102.575 g	5 mL	635638	11/30/23 11:09	MSM	EET DEN
Soluble	Analysis	20B		10			636109	12/05/23 11:25	RMS	EET DEN
Total/NA	Analysis	9045D		1	20 g	20 mL	210212	11/22/23 12:22	JET	EET CC
Total/NA	Analysis	Moisture		1			635573	11/29/23 17:56	CLP	EET DEN

**Client Sample ID: JAN H STATE 14-16 NATIVE2**

**Lab Sample ID: 280-184766-10**

**Date Collected: 11/15/23 13:20**

**Matrix: Solid**

**Date Received: 11/17/23 08:30**

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	20.01 g	20 mL	210212	11/22/23 12:22	JET	EET CC

Eurofins Denver

# Lab Chronicle

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

Job ID: 280-184766-1

Client Sample ID: JAN H STATE 14-16 NATIVE2  
Date Collected: 11/15/23 13:20  
Date Received: 11/17/23 08:30

Lab Sample ID: 280-184766-10  
Matrix: Solid

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			210153	11/21/23 11:27	AKM	EET CC

**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

## Chain of Custody Record



280-184766 Chain of Custody

<b>Client Information</b>		Sampler: <u>T. Fernandez</u>		Lab PM: <u>Gardner, Matthew</u>	
Client Contact: <u>Greg Hoenmans</u>		Phone: <u>719-220-4330</u>		E-Mail: <u>matthew.gardner@et.eurofinsus.com</u>	
Company: <u>Evergreen Natural Resources LLC</u>		PWSID: _____		State of Origin: _____	
Address: <u>27000 Hwy 12</u>		Due Date Requested: _____		Analysis Requested	
City: <u>Trinidad</u>		TAT Requested (days): <u>5 Day TAT</u>		9045D - pH - Eurofins Xenco Corpus Christi	
State, Zip: <u>CO, 81082</u>		Compliance Project: <u>Δ Yes Δ No</u>		8260B - Volatiles	
Phone: <u>719-846-7898</u>		PO #: _____		8015B - GRO	
Email: <u>Labs@enrllc.com</u>		Purchase Order Requested		8015B - DRO	
Project Name: <u>Evergreen Natural Resources - 915 Full Soil Suite</u>		WO #: _____		8270C - SIM	
Site: <u>Colorado</u>		Project #: <u>28001998</u>		Percent Moisture	
		SSOW#: _____		Field Filtered Sample (Yes or No)	
				Perform MS/MSD (Yes or No)	
				8270C - SIM	
				9045D - pH - Eurofins Xenco Corpus Christi	
				9505A - 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:	
				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 - Na2SO3	
				S - H2SO4	
				T - TSP Dodecahydrate	
				U - Acetone	
				V - MCAA	
				W - pH 4-5	
				Z - other (specify)	
				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 checked="" type="checkbox"/> Archive For _____ Months	
				Special Instructions/QC Requirements: _____	
				Method of Shipment: _____	
				Time: _____	
				Date/Time: _____	
				Company: <u>ENR</u>	
				Received by: <u>T. Fernandez</u>	
				Date/Time: <u>11-17-23</u>	
				Company: <u>ETIEN</u>	
				Received by: _____	
				Date/Time: _____	
				Company: _____	
				Received by: _____	
				Date/Time: _____	
				Company: _____	
				Cooler Temperature(s) °C and Other Remarks: <u>2.3°C to 3.3°F + N memo</u>	
				Custody Seal No.: <u>2173625</u>	
				Δ Yes Δ No	



## Chain of Custody Record



Client Information (Sub Contract Lab)		Lab PM: Gardner, Matthew O		Carrier Tracking No(s):		IOC No: 280-682481 1	
Client Contact:		Phone:		State of Origin: Colorado		Page: Page 1 of 2	
Shipping/Receiving		E-Mail: Matthew.Gardner@at.eurofins.com		Accreditations Required (See note):		Job #: 280-184766-1	
Company: Eurofins Environment Testing South Cent		Due Date Requested: 12/4/2023		Analysis Requested		Preservation Codes:	
Address: 1733 N. Padre Island Drive,		TAT Requested (days):		9050A/Sa/Paste Prep		A HCL M Hexane	
City: Corpus Christi		PO #:		Mol/L (M/D) Local Method		B NaOH N None	
State, Zip: TX, 78408		WO #:		9045D pH only no Corrosivity		C Zn Acetate P Na2O4S	
Phone: 361-289-2471(Tel) 361-289-2673(Fax)		Project #:		Perform MS/MSD (Yes or No)		D Nitric Acid Q Na2SO3	
Email: 361-289-2471(Tel) 361-289-2673(Fax)		SSOW#:		Field Filled Sample (Yes or No)		E NaHSO4 R Na2SO3	
Project Name: 915 Full Soil Suite		Sample Date		Sample Type (C=Comp, G=grab)		F MeOH S H2SO4	
Site: Evergreen Natural Resources		Sample Time		Matrix (Wet, Solid, On-site)		G Amchlor T TSP Dodecylhydrate	
Sample Identification Client ID (Lab ID)		Sample Date		Sample Time		H Ascorbic Acid U Acetone	
KAMIKAZE 32-18 SS1 (280-184766-1)		11/15/23		10:20 Mountain		I Ice V MCAA	
KAMIKAZE 32-18 SS2 (280-184766-2)		11/15/23		10:20 Mountain		J DI Water W pH 4-5	
KAMIKAZE 32-18 SS3 (280-184766-3)		11/15/23		10:20 Mountain		K EDTA Y Trizma	
FOXTROT 34-10 SS1 (280-184766-4)		11/15/23		11:10 Mountain		L EDA Z other (specify)	
FOXTROT 34-10 SS2 (280-184766-5)		11/15/23		11:10 Mountain		Other	
FOXTROT 34-10 SS3 (280-184766-6)		11/15/23		12:50 Mountain		Special Instructions/Note:	
PATIENT 42-31 SS1 (280-184766-7)		11/15/23		12:50 Mountain		Saturated Paste prep please	
PATIENT 42-31 SS2 (280-184766-8)		11/15/23		12:50 Mountain		Saturated Paste prep please	
PATIENT 42-31 SS3 (280-184766-9)		11/15/23		12:50 Mountain		Saturated Paste prep please	
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.						Saturated Paste prep please	
Possible Hazard Identification						Saturated Paste prep please	
Unconfirmed						Saturated Paste prep please	
Deliverable Requested: I II III IV Other (specify)		Primary Deliverable Rank: 2				Saturated Paste prep please	
Empty Kit Relinquished by		Date:		Time:		Saturated Paste prep please	
Relinquished by: [Signature]		Date/Time: 11/20/23 1520		Company: ETDEN		Saturated Paste prep please	
Relinquished by:		Date/Time:		Company:		Saturated Paste prep please	
Relinquished by:		Date/Time:		Company:		Saturated Paste prep please	
Custody Seals Intact: Δ Yes Δ No		Custody Seal No.		Cooler Temperature(s) °C and Other Remarks: 0.3/0.4 FA-14 (1		Saturated Paste prep please	



## 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)		Sampler:	Lab PM:	Gardner Matthew O	Carrier Tracking No(s):	COG No:						
Client Contact:		Phone:	E-Mail:	Matthew.Gardner@eurofins.com	State of Origin:	280-682481.2						
Shipping/Receiving		Page: 2 of 2										
Company:		Job #:										
Eurofins Environment Testing South Cent		280-184766-1										
Address:		Preservation Codes:										
1733 N. Padre Island Drive,		A HCL M Hexane										
City:		B NaOH N None										
Corpus Christi		C Zn Acetate O AsNaO2										
State, Zip:		D Nitric Acid P Na2O4S										
TX, 78408		E NaHSO4 Q Na2SO3										
Phone:		F MeOH R Na2S2O3										
361-289-2471 (Tel) 361-289-2673 (Fax)		S H2SO4 T TSP Dodecahydrate										
Email:		G Anchlor U Acetone										
Project #:		H Ascorbic Acid V MCAA										
28001998		I Ice W pH 4-5										
Site:		J DI Water X EDTA										
Evergreen Natural Resources		L EDA Z other (specify)										
Other:												
Due Date Requested:		Analysis Requested										
12/4/2023												
TAT Requested (days):												
PO #:												
WO #:												
Project #:												
28001998												
Site:												
Evergreen Natural Resources												
Sample Date		Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water, S=solid, O=on-site, A=air)	Preservation Code	Field Filled Sample (Yes or No)	Perform MS/MSD (Yes or No)	9045D pH only no Corrosivity	Molature (MOD) Local Method	9050A/Salt/Paste Prep	Total Number of Containers	Special Instructions/Note:
JAN H STATE 14-16 NATIVE2 (280-184766-10)	1/1/15/23	13:20 Mountain		Solid		X	X	X	X		1	Saturated Paste prep please
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/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)												
Return To Client Disposal By Lab Archive For Months												
Special Instructions/QC Requirements:												
Empty Kit Relinquished by:												
Date/Time: 11/20/23 15:20 Company: EEDEN												
Relinquished by: [Signature]												
Date/Time: 11/20/23 15:20 Company: EEDEN												
Relinquished by: [Signature]												
Date/Time: 11/20/23 15:20 Company: EEDEN												
Relinquished by: [Signature]												
Date/Time: 11/20/23 15:20 Company: EEDEN												
Custody Seals Intact: Δ Yes Δ No												
Custody Seal No.												
Cooler Temperature(s) °C and Other Remarks: 0.3 / 0.4 12/14 11												

Ver: 06/08/2021