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TALON LPE

Closure Report

Mescal SE Federal #1
Eddy County, New Mexico
API ID # 30-015-24002
Incident # nkmw1101329111 / 2RP-559

Prepared For:

EOG Resources Inc.
104 S. 4th Street
Artesia, New Mexico

Prepared By:

Chad Hensley
Talon/LPE
408 W. Texas Avenue
Artesia, New Mexico 88210

NMOCD
506 W. Texas Ave
Artesia, NM 88210

Subject: **Closure Report**
Mescal SE Federal #1
Eddy County, New Mexico
API # 30-015-24002
Incident # nkmw1101329111 / 2RP-559

NMOCD,

EOG Resources contracted Talon/LPE (Talon) to perform soil assessment and remediation services at the above referenced location. The incident description, soil sampling results, remedial actions and closure request is presented herein.

Site Information

The Mescal SE Federal #1 is located approximately 30 miles west of Carlsbad, New Mexico. The legal location for this release is Unit Letter C, Section 18, Township 21 South and Range 22 East in Eddy County, New Mexico. More specifically the latitude and longitude for the release are 32.4837036 and -104.7432632. A Site Location Map is presented in Appendix I.

According to the soil survey provided by the United States Department of Agriculture National Resources Conservation Services, the soil in this area is comprised of Reagan-Upton, 0 to 9 percent slopes. The referenced soil data is presented in Appendix II. Per the New Mexico Bureau of Geology and Mineral Resources, the local geology consists of the Ogallala Formation, lower Pliocene to Middle Miocene in age, and comprised of Residuum weathered from limestone. Drainage courses in this area are typically well drained.

Ground Water and Site Characterization

The New Mexico Office of the State Engineer Database indicates the nearest reported depth to groundwater is 95 feet below ground surface (bgs). Further research of the Bureau of Land Management Karst data indicates that this site is situated within a low potential Karst area.

Approximate Depth to Groundwater	95 Feet/bgs

☐Yes ☒No	Within 300 feet of any continuously flowing watercourse or any other significant watercourse
☐Yes ☒No	Within 200 feet of any lakebed, sinkhole or a playa lake
☐Yes ☒No	Within 300 feet from an occupied permanent residence, school, hospital, institution or church
☐Yes ☒No	Within 500 feet of a spring or a private, domestic fresh water well used by less than five households for domestic or stock watering purposes
☐Yes ☒No	Within 1000 feet of any freshwater well or spring
☐Yes ☒No	Within incorporated municipal boundaries or within a defined municipal freshwater well field covered under a municipal ordinance adopted pursuant to Section 3-2703 NMSA 1978
☐Yes ☒No	Within 300 feet of a wetland
☐Yes ☒No	Within the area overlying a subsurface mine
☐Yes ☒No	Within an unstable area
☐Yes ☒No	Within a 100-year floodplain

Due to no depth to water source available that meets New Mexico Oil Conservation Division (NMOCD)'s criteria, the responsible party must treat the release as if it occurred in an area where the groundwater is less than 50 feet bgs, NMOCD Table I, Rule 19.15.29 NMAC.

Table I Closure Criteria for Soils Impacted by a Release			
Depth below horizontal extents of release to ground water less than 10,000 mg/l TDS	Constituent	Method	Limit
≤ 50 feet	Total Chlorides	EPA 300.0 or SM4500 Cl B	600 mg/kg
	TPH (GRO+DRO+MRO)	EPA SW-846 Method 8015M	100 mg/kg
	BTEX	EPA SW-846 Method 8021B or 8260B	50 mg/kg
	Benzene	EPA SW-846 Method 8021B or 8260B	10 mg/kg

Incident Description

During the records review of this that EOG was plugging and abandoning, this incident report was found to still be open. Current data was obtained and remediation activities completed to fully address the open release.The C-141 submitted to the NMOCD, incident number nkmw1101329111, stated that a tank had a small hole on the bottom releasing approximately 49 barrels (bbls) of condensate with zero bbls recovered. The site map is presented in Appendix I.

Site Assessment

On November 02, 2022, Talon mobilized personnel to the site to conduct an initial site assessment. The impacted area was photographed, sampled utilizing a hand auger, and mapped utilizing a Google Earth due to no infrastructure on location. All soil samples were properly packaged, preserved, and transported to Cardinal laboratories by chain of custody for analysis of Total Chlorides (Method SM4500Cl-B), TPH (EPA Method 8015M), and BTEX (EPA Method 8021B). Sample locations are shown on the attached Figure 2 (Appendix I) and the results of our sampling event are presented on the following data table.

Table 1
11/02/2022 Soil sample Laboratory Results

Sample ID	Sample Date	Depth (BGS)	BTEX mg/kg	Benzene mg/kg	GRO mg/kg	DRO mg/kg	MRO mg/kg	Total TPH mg/kg	Chlorides mg/kg
NMOCD Table 1 Closure Criteria 19.15.29 NMAC			50 mg/kg	10 mg/kg	DRO + GRO + MRO combined = 100 mg/kg			100 mg/kg	600 mg/kg
S-1	10/31/2022	0-1' R	ND	ND	ND	ND	ND	-	61
S-2	10/31/2022	0-1' R	ND	ND	ND	ND	ND	-	23.1
S-3	10/31/2022	0-1' R	ND	ND	ND	ND	ND	-	19
S-4	10/31/2022	0-1' R	ND	ND	ND	ND	ND	-	80.9
BG-1	10/31/2022	0-1' R	ND	ND	ND	ND	ND	-	174
ND = Analyte Not Detected, R = Rock Refusal /w Hand Auger									

On November 18, 2022, based on the laboratory results from the initial site assessment and upon client authorization, Talon personnel and equipment mobilized to the site to advance soil borings, using backhoe to test trench the areas around S-1, S-2, S-3, and S-4 respectively. TT-1 was situated between S-1 and S-2. TT-2 was positioned between sample 3 and sample 4. TT-3 was situated between sample positions S-1 and S-4. TT-4 was positioned between sample 2 and sample 3. All soil samples were properly collected and preserved for transport to Cardinal Laboratories for analysis. The confirmation results from the laboratory are tabulated below. Sample locations are illustrated on Figure 3 (Appendix I).

Table 2
11/18/2022 Soil sample Laboratory Results

Sample ID	Sample Date	Depth (BGS)	BTEX mg/kg	Benzene mg/kg	GRO mg/kg	DRO mg/kg	MRO mg/kg	Total TPH mg/kg	Chlorides mg/kg
NMOCD Table 1 Closure Criteria 19.15.29 NMAC			50 mg/kg	10 mg/kg	DRO + GRO + MRO combined = 100 mg/kg			100 mg/kg	600 mg/kg
TT-1	11/18/2022	2'	ND	ND	20.4	17.4	ND	37.8	228
	11/18/2022	3.5' R	ND	ND	18.8	16.1	ND	34.9	242
TT-2	11/18/2022	2' R	ND	ND	17.5	20.2	ND	37.7	220
TT-3	11/18/2022	2' R	ND	ND	16.4	24.4	ND	40.8	322
TT-4	11/18/2022	2' R	ND	ND	ND	20.1	ND	23.4	90
TT-5	11/18/2022	2' R	ND	ND	ND	19.9	ND	19.9	63.7
ND = Analyte Not Detected, R = Rock Refusal									

Remedial Actions

- No remedial action was taken at the Mescal SE Federal 1 due to sample testing in the area showed no residual signs of contamination from the 2009 spill. In addition, solid bedrock discovered at 2 – 3.5 feet through the location appears to have prevented contaminates from migrating deeper into the soils. Backhoe teeth were used to aggressively attack the top layer of the bedrock so that the very top layer of the surface could be included in the testing.

Appendix I

Site Maps

TALON LPE

Drafted: 11/30/2022
1 in = 30 ft
Drafted By: JAI

EOG Resources
Mescal SE Federal #1
Assessment Map
Site Assessment Map

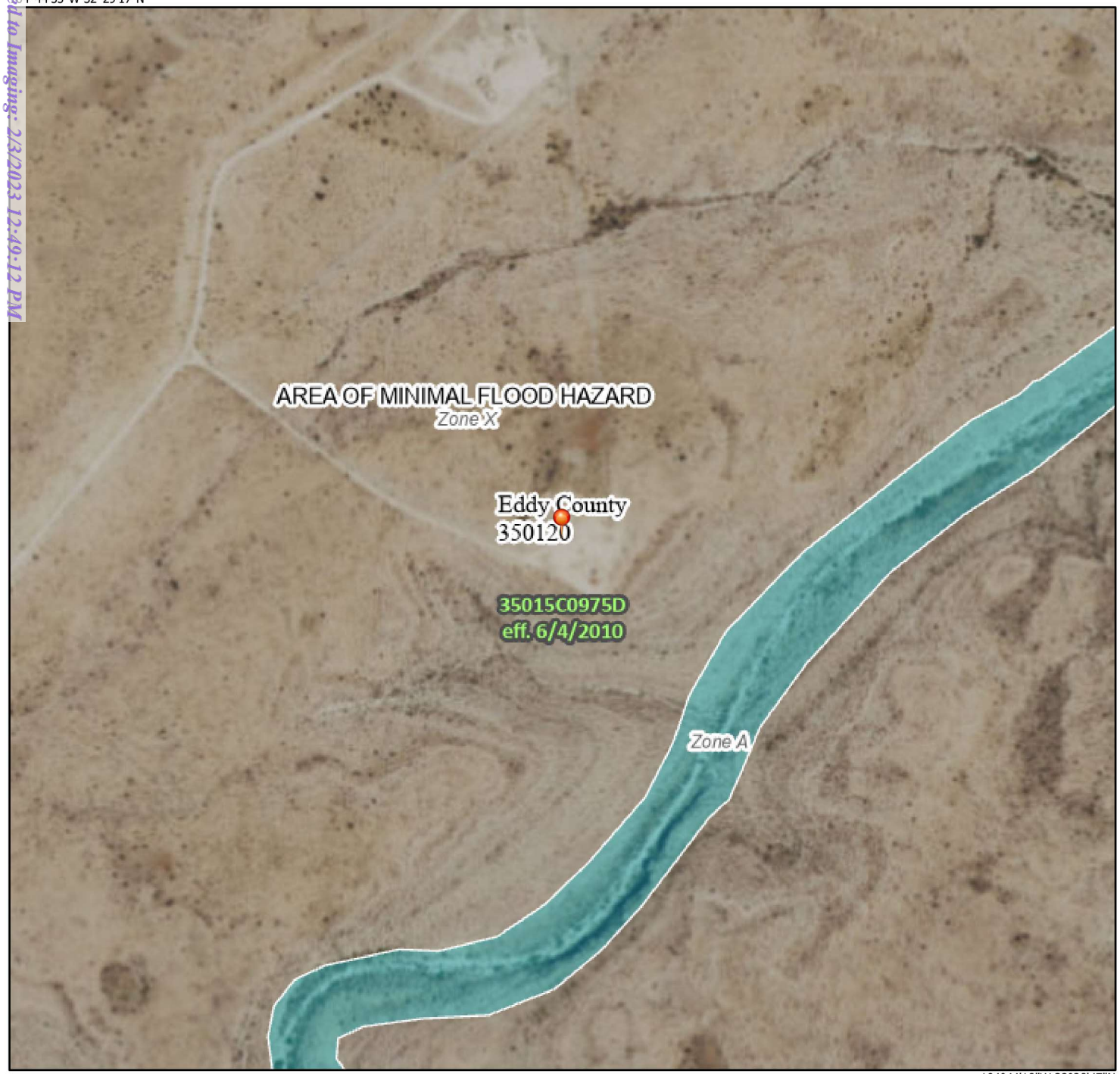
Appendix II

Groundwater Data, Soil Survey, & Wetlands Map

National Flood Hazard Layer FIRMette

FEMA

104°44'55"W 32°29'17"N



0 250 500 1,000 1,500 2,000 Feet

1:6,000

104°44'18"W 32°28'47"N

Basemap: USGS National Map: Orthoimagery: Data refreshed October, 2020

Legend

SEE FIS REPORT FOR DETAILED LEGEND AND INDEX MAP FOR FIRM PANEL LAYOU

SPECIAL FLOOD HAZARD AREAS
- Without Base Flood Elevation (BFE) *Zone A, V, A99*
- With BFE or Depth *Zone AE, AO, AH, VE, A*
- Regulatory Floodway

OTHER AREAS OF FLOOD HAZARD
- 0.2% Annual Chance Flood Hazard, A of 1% annual chance flood with avera depth less than one foot or with drain areas of less than one square mile *Zo*
- Future Conditions 1% Annual Chance Flood Hazard *Zone X*
- Area with Reduced Flood Risk due to Levee. See Notes. *Zone X*
- Area with Flood Risk due to Levee *Zon*

OTHER AREAS
- NO SCREEN Area of Minimal Flood Hazard *Zone X*
- Effective LOMRs
- Area of Undetermined Flood Hazard *Zone D*

GENERAL STRUCTURES
- Channel, Culvert, or Storm Sewer
- Levee, Dike, or Floodwall

OTHER FEATURES
- 20.2 Cross Sections with 1% Annual Chance
- 17.5 Water Surface Elevation
- Coastal Transect
- Base Flood Elevation Line (BFE)
- Limit of Study
- Jurisdiction Boundary
- Coastal Transect Baseline
- Profile Baseline
- Hydrographic Feature

MAP PANELS
- Digital Data Available
- No Digital Data Available
- Unmapped

N

The pin displayed on the map is an approximate point selected by the user and does not represent an authoritative property location.

This map complies with FEMA's standards for the use of digital flood maps if it is not void as described below. The basemap shown complies with FEMA's basemap accuracy standards

The flood hazard information is derived directly from the authoritative NFHL web services provided by FEMA. This map was exported on 10/26/2022 at 10:42 AM and does not reflect changes or amendments subsequent to this date and time. The NFHL and effective information may change or become superseded by new data over time.

This map image is void if the one or more of the following map elements do not appear: basemap imagery, flood zone labels, legend, scale bar, map creation date, community identifiers, FIRM panel number, and FIRM effective date. Map images for unmapped and unmodernized areas cannot be used for regulatory purposes.

EOG Resouces

Mescal SE Federal #1
Eddy County, NM

Karst Map

Legend

- Feature 1
- Low
- Medium
- Mescal SE Federal #1

Mescal SE Federal #1

N

3000 ft

EOG Resources

Mescal SE Federal #1
Eddy County, NM

TOPO Map

Legend

- Mescal SE Federal #1
- Untitled Path
- Untitled Polygon

Mescal SE Federal #1

Big Tank

Canyon

Box

Little

Drill Hole

Stinking

4310

4496

4408

4659

4465

12

7

8

9

13

18

17

16

N

3000 ft

Appendix lll

Photographic Documentation

Photograph No.1 Description: Test Trench	Test Trench 1 at 2’

Photograph No.2 Description: Test Trench	Test Trench 1 at 3.5’ encountered bedrock.

Photograph No.3 Description: Test Trench	Test Trench at 2' encountered bedrock.

Photograph No.4 Description: Test Trench	Test Trench 3 at 2’ encountered bedrock.

Photograph No.5 Description: Test Trench	Test Trench 4 at 2' and bedrock discovered.

Appendix IV

Laboratory Data

eurofins | Environment Testing

ANALYTICAL REPORT

Eurofins Carlsbad
1089 N Canal St.
Carlsbad, NM 88220
Tel: (575)988-3199

Laboratory Job ID: 890-3386-1
Laboratory Sample Delivery Group: Eddy
Client Project/Site: Mesczl SE Fed #1

For:
Talon/LPE
408 W. Texas St.
Artesia, New Mexico 88210

Attn: Chad Hensley

JKramer

Authorized for release by:
11/14/2022 1:51:44 PM

Jessica Kramer, Project Manager
(432)704-5440
Jessica.Kramer@et.eurofinsus.com

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.

Analytical test results meet all requirements of the associated regulatory program (i.e., NELAC (TNI), DoD, and ISO 17025) unless otherwise noted under the individual analysis.

Client: Talon/LPE
Project/Site: Mesczl SE Fed #1

Laboratory Job ID: 890-3386-1
SDG: Eddy

Table of Contents

Definitions/Glossary

Client: Talon/LPE Job ID: 890-3386-1
Project/Site: Mesczl SE Fed #1 SDG: Eddy

Qualifiers

GC VOA

Qualifier	Qualifier Description
U	Indicates the analyte was analyzed for but not detected.

GC Semi VOA

Qualifier	Qualifier Description
U	Indicates the analyte was analyzed for but not detected.

HPLC/IC

Qualifier	Qualifier Description
U	Indicates the analyte was analyzed for but not detected.

Glossary

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

Case Narrative

Client: Talon/LPE
Project/Site: Mesczl SE Fed #1

Job ID: 890-3386-1
SDG: Eddy

Job ID: 890-3386-1

Laboratory: Eurofins Carlsbad

Narrative

Job Narrative
890-3386-1

Receipt
The samples were received on 11/4/2022 11:38 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 time was 14.0°C

Receipt Exceptions
The following samples were received and analyzed from an unpreserved bulk soil jar: BG-1 (890-3386-1), S-1 (890-3386-2), S-2 (890-3386-3), S-3 (890-3386-4) and S-4 (890-3386-5).

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

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

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

Client Sample Results

Client: Talon/LPE
Project/Site: Mesczl SE Fed #1

Job ID: 890-3386-1
SDG: Eddy

Client Sample ID: BG-1

Lab Sample ID: 890-3386-1
Matrix: Solid
Date Collected: 11/04/22 08:00
Date Received: 11/04/22 11:38
Sample Depth: 1'

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00198	U	0.00198		mg/Kg		11/09/22 15:41	11/13/22 03:57	1
Toluene	<0.00198	U	0.00198		mg/Kg		11/09/22 15:41	11/13/22 03:57	1
Ethylbenzene	<0.00198	U	0.00198		mg/Kg		11/09/22 15:41	11/13/22 03:57	1
m,p-Xylenes	<0.00396	U	0.00396		mg/Kg		11/09/22 15:41	11/13/22 03:57	1
o-Xylene	<0.00198	U	0.00198		mg/Kg		11/09/22 15:41	11/13/22 03:57	1
Xylenes, Total	<0.00396	U	0.00396		mg/Kg		11/09/22 15:41	11/13/22 03:57	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*100*		*70 - 130*	*11/09/22 15:41*	*11/13/22 03:57*	*1*
1,4-Difluorobenzene (Surr)	*110*		*70 - 130*	*11/09/22 15:41*	*11/13/22 03:57*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00396	U	0.00396		mg/Kg			11/14/22 12:42	1

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.8	U	49.8		mg/Kg			11/09/22 12:26	1

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	49.8		mg/Kg		11/08/22 13:32	11/09/22 02:01	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		11/08/22 13:32	11/09/22 02:01	1
OII Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		11/08/22 13:32	11/09/22 02:01	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane (Surr)	*99*		*70 - 130*	*11/08/22 13:32*	*11/09/22 02:01*	*1*
o-Terphenyl (Surr)	*112*		*70 - 130*	*11/08/22 13:32*	*11/09/22 02:01*	*1*

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**174**		5.00		mg/Kg			11/11/22 07:17	1

Client Sample ID: S-1

Lab Sample ID: 890-3386-2
Matrix: Solid
Date Collected: 11/04/22 08:00
Date Received: 11/04/22 11:38
Sample Depth: 1'

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201		mg/Kg		11/09/22 15:41	11/13/22 04:18	1
Toluene	<0.00201	U	0.00201		mg/Kg		11/09/22 15:41	11/13/22 04:18	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		11/09/22 15:41	11/13/22 04:18	1
m,p-Xylenes	<0.00402	U	0.00402		mg/Kg		11/09/22 15:41	11/13/22 04:18	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		11/09/22 15:41	11/13/22 04:18	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		11/09/22 15:41	11/13/22 04:18	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*105*		*70 - 130*	*11/09/22 15:41*	*11/13/22 04:18*	*1*

Eurofins Carlsbad

Client Sample Results

Client: Talon/LPE
Project/Site: Mesczl SE Fed #1

Job ID: 890-3386-1
SDG: Eddy

Client Sample ID: S-1

Date Collected: 11/04/22 08:00
Date Received: 11/04/22 11:38
Sample Depth: 1'

Lab Sample ID: 890-3386-2

Matrix: Solid

Method: SW846 8021B - Volatile Organic Compounds (GC) (Continued)

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,4-Difluorobenzene (Surr)	*104*		*70 - 130*	*11/09/22 15:41*	*11/13/22 04:18*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00402	U	0.00402	mg/Kg			11/14/22 12:42	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9	mg/Kg			11/09/22 12:26	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9	mg/Kg		11/08/22 13:32	11/09/22 02:22	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9	mg/Kg		11/08/22 13:32	11/09/22 02:22	1
OII Range Organics (Over C28-C36)	<49.9	U	49.9	mg/Kg		11/08/22 13:32	11/09/22 02:22	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane (Surr)	*94*		*70 - 130*	*11/08/22 13:32*	*11/09/22 02:22*	*1*
o-Terphenyl (Surr)	*105*		*70 - 130*	*11/08/22 13:32*	*11/09/22 02:22*	*1*

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**61.6**		4.99	mg/Kg			11/11/22 07:24	1

Client Sample ID: S-2

Date Collected: 11/04/22 08:00
Date Received: 11/04/22 11:38
Sample Depth: 1'

Lab Sample ID: 890-3386-3

Matrix: Solid

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00202	U	0.00202	mg/Kg		11/09/22 15:41	11/13/22 04:38	1
Toluene	<0.00202	U	0.00202	mg/Kg		11/09/22 15:41	11/13/22 04:38	1
Ethylbenzene	<0.00202	U	0.00202	mg/Kg		11/09/22 15:41	11/13/22 04:38	1
m,p-Xylenes	<0.00403	U	0.00403	mg/Kg		11/09/22 15:41	11/13/22 04:38	1
o-Xylene	<0.00202	U	0.00202	mg/Kg		11/09/22 15:41	11/13/22 04:38	1
Xylenes, Total	<0.00403	U	0.00403	mg/Kg		11/09/22 15:41	11/13/22 04:38	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*108*		*70 - 130*	*11/09/22 15:41*	*11/13/22 04:38*	*1*
1,4-Difluorobenzene (Surr)	*104*		*70 - 130*	*11/09/22 15:41*	*11/13/22 04:38*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00403	U	0.00403	mg/Kg			11/14/22 12:42	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0	mg/Kg			11/09/22 12:26	1

Eurofins Carlsbad

Client Sample Results

Client: Talon/LPE
Project/Site: Mesczl SE Fed #1

Job ID: 890-3386-1
SDG: Eddy

Client Sample ID: S-2

Lab Sample ID: 890-3386-3
Matrix: Solid
Date Collected: 11/04/22 08:00
Date Received: 11/04/22 11:38
Sample Depth: 1'

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		11/08/22 13:32	11/09/22 02:44	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		11/08/22 13:32	11/09/22 02:44	1
OII Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		11/08/22 13:32	11/09/22 02:44	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane (Surr)	*93*		*70 - 130*	*11/08/22 13:32*	*11/09/22 02:44*	*1*
o-Terphenyl (Surr)	*103*		*70 - 130*	*11/08/22 13:32*	*11/09/22 02:44*	*1*

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**23.1**		4.95		mg/Kg			11/11/22 07:32	1

Client Sample ID: S-3

Lab Sample ID: 890-3386-4
Matrix: Solid
Date Collected: 11/04/22 08:00
Date Received: 11/04/22 11:38
Sample Depth: 1'

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		11/09/22 15:41	11/13/22 04:58	1
Toluene	<0.00200	U	0.00200		mg/Kg		11/09/22 15:41	11/13/22 04:58	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		11/09/22 15:41	11/13/22 04:58	1
m,p-Xylenes	<0.00400	U	0.00400		mg/Kg		11/09/22 15:41	11/13/22 04:58	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		11/09/22 15:41	11/13/22 04:58	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		11/09/22 15:41	11/13/22 04:58	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*103*		*70 - 130*	*11/09/22 15:41*	*11/13/22 04:58*	*1*
1,4-Difluorobenzene (Surr)	*101*		*70 - 130*	*11/09/22 15:41*	*11/13/22 04:58*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00400	U	0.00400		mg/Kg			11/14/22 12:42	1

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			11/09/22 12:26	1

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		11/08/22 13:32	11/09/22 03:05	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		11/08/22 13:32	11/09/22 03:05	1
OII Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		11/08/22 13:32	11/09/22 03:05	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane (Surr)	*106*		*70 - 130*	*11/08/22 13:32*	*11/09/22 03:05*	*1*
o-Terphenyl (Surr)	*117*		*70 - 130*	*11/08/22 13:32*	*11/09/22 03:05*	*1*

Client Sample Results

Client: Talon/LPE
Project/Site: Mesczl SE Fed #1

Job ID: 890-3386-1
SDG: Eddy

Client Sample ID: S-3

Date Collected: 11/04/22 08:00
Date Received: 11/04/22 11:38
Sample Depth: 1'

Lab Sample ID: 890-3386-4
Matrix: Solid

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	19.0		4.97		mg/Kg			11/11/22 07:39	1

Client Sample ID: S-4

Date Collected: 11/04/22 08:00
Date Received: 11/04/22 11:38
Sample Depth: 1'

Lab Sample ID: 890-3386-5
Matrix: Solid

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		11/09/22 15:41	11/13/22 05:19	1
Toluene	<0.00200	U	0.00200		mg/Kg		11/09/22 15:41	11/13/22 05:19	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		11/09/22 15:41	11/13/22 05:19	1
m,p-Xylenes	<0.00401	U	0.00401		mg/Kg		11/09/22 15:41	11/13/22 05:19	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		11/09/22 15:41	11/13/22 05:19	1
Xylenes, Total	<0.00401	U	0.00401		mg/Kg		11/09/22 15:41	11/13/22 05:19	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*103*		*70 - 130*	*11/09/22 15:41*	*11/13/22 05:19*	*1*
1,4-Difluorobenzene (Surr)	*102*		*70 - 130*	*11/09/22 15:41*	*11/13/22 05:19*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00401	U	0.00401		mg/Kg			11/14/22 12:42	1

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.8	U	49.8		mg/Kg			11/09/22 12:26	1

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	49.8		mg/Kg		11/08/22 13:32	11/09/22 03:26	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		11/08/22 13:32	11/09/22 03:26	1
OII Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		11/08/22 13:32	11/09/22 03:26	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane (Surr)	*104*		*70 - 130*	*11/08/22 13:32*	*11/09/22 03:26*	*1*
o-Terphenyl (Surr)	*115*		*70 - 130*	*11/08/22 13:32*	*11/09/22 03:26*	*1*

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	80.9		5.00		mg/Kg			11/11/22 08:00	1

Surrogate Summary

Client: Talon/LPE
Project/Site: Mesczl SE Fed #1

Job ID: 890-3386-1
SDG: Eddy

Method: 8021B - Volatile Organic Compounds (GC)

Matrix: Solid

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)	
		BFB1	DFBZ1
Lab Sample ID	Client Sample ID	(70-130)	(70-130)
890-3386-1	BG-1	100	110
890-3386-2	S-1	105	104
890-3386-3	S-2	108	104
890-3386-4	S-3	103	101
890-3386-5	S-4	103	102
LCS 880-39142/1-A	Lab Control Sample	97	107
LCSD 880-39142/2-A	Lab Control Sample Dup	91	103
MB 880-39142/5-A	Method Blank	79	106

Surrogate Legend

BFB = 4-Bromofluorobenzene (Surr)
DFBZ = 1,4-Difluorobenzene (Surr)

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

Matrix: Solid

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)	
		1CO1	OTPH1
Lab Sample ID	Client Sample ID	(70-130)	(70-130)
890-3386-1	BG-1	99	112
890-3386-2	S-1	94	105
890-3386-3	S-2	93	103
890-3386-4	S-3	106	117
890-3386-5	S-4	104	115
LCS 880-39001/2-A	Lab Control Sample	109	119
LCSD 880-39001/3-A	Lab Control Sample Dup	100	108
MB 880-39001/1-A	Method Blank	99	114

Surrogate Legend

1CO = 1-Chlorooctane (Surr)
OTPH = o-Terphenyl (Surr)

QC Sample Results

Client: Talon/LPE
Project/Site: Mesczl SE Fed #1

Job ID: 890-3386-1
SDG: Eddy

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 880-39142/5-A
Matrix: Solid
Analysis Batch: 39368

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 39142

Analyte	MB Result	MB Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		11/09/22 15:41	11/12/22 20:53	1
Toluene	<0.00200	U	0.00200		mg/Kg		11/09/22 15:41	11/12/22 20:53	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		11/09/22 15:41	11/12/22 20:53	1
m,p-Xylenes	<0.00400	U	0.00400		mg/Kg		11/09/22 15:41	11/12/22 20:53	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		11/09/22 15:41	11/12/22 20:53	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		11/09/22 15:41	11/12/22 20:53	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*79*		*70 - 130*	*11/09/22 15:41*	*11/12/22 20:53*	*1*
1,4-Difluorobenzene (Surr)	*106*		*70 - 130*	*11/09/22 15:41*	*11/12/22 20:53*	*1*

Lab Sample ID: LCS 880-39142/1-A
Matrix: Solid
Analysis Batch: 39368

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 39142

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Benzene			0.100	0.09979		mg/Kg		100	70 - 130		
Toluene			0.100	0.1127		mg/Kg		113	70 - 130		
Ethylbenzene			0.100	0.1060		mg/Kg		106	70 - 130		
m,p-Xylenes			0.200	0.1925		mg/Kg		96	70 - 130		
o-Xylene			0.100	0.09141		mg/Kg		91	70 - 130		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*97*		*70 - 130*
1,4-Difluorobenzene (Surr)	*107*		*70 - 130*

Lab Sample ID: LCSD 880-39142/2-A
Matrix: Solid
Analysis Batch: 39368

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 39142

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene			0.100	0.09363		mg/Kg		94	70 - 130	6	35
Toluene			0.100	0.09821		mg/Kg		98	70 - 130	14	35
Ethylbenzene			0.100	0.09692		mg/Kg		97	70 - 130	9	35
m,p-Xylenes			0.200	0.1765		mg/Kg		88	70 - 130	9	35
o-Xylene			0.100	0.08453		mg/Kg		85	70 - 130	8	35

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*91*		*70 - 130*
1,4-Difluorobenzene (Surr)	*103*		*70 - 130*

QC Sample Results

Client: Talon/LPE
Project/Site: Mesczl SE Fed #1

Job ID: 890-3386-1
SDG: Eddy

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

Lab Sample ID: MB 880-39001/1-A
Matrix: Solid
Analysis Batch: 38944

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 39001

Analyte	MB Result	MB Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		11/08/22 13:32	11/08/22 20:25	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		11/08/22 13:32	11/08/22 20:25	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		11/08/22 13:32	11/08/22 20:25	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane (Surr)	*99*		*70 - 130*	*11/08/22 13:32*	*11/08/22 20:25*	*1*
o-Terphenyl (Surr)	*114*		*70 - 130*	*11/08/22 13:32*	*11/08/22 20:25*	*1*

Lab Sample ID: LCS 880-39001/2-A
Matrix: Solid
Analysis Batch: 38944

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 39001

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Gasoline Range Organics (GRO)-C6-C10			1000	972.6		mg/Kg		97	70 - 130		
Diesel Range Organics (Over C10-C28)			1000	1026		mg/Kg		103	70 - 130		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1-Chlorooctane (Surr)	*109*		*70 - 130*
o-Terphenyl (Surr)	*119*		*70 - 130*

Lab Sample ID: LCSD 880-39001/3-A
Matrix: Solid
Analysis Batch: 38944

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 39001

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10			1000	826.3		mg/Kg		83	70 - 130	16	20
Diesel Range Organics (Over C10-C28)			1000	911.4		mg/Kg		91	70 - 130	12	20

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
1-Chlorooctane (Surr)	*100*		*70 - 130*
o-Terphenyl (Surr)	*108*		*70 - 130*

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-38849/1-A
Matrix: Solid
Analysis Batch: 39146

Client Sample ID: Method Blank
Prep Type: Soluble

Analyte	MB Result	MB Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<5.00	U	5.00		mg/Kg			11/11/22 05:37	1

QC Sample Results

Client: Talon/LPE
Project/Site: Mesczl SE Fed #1

Job ID: 890-3386-1
SDG: Eddy

Method: 300.0 - Anions, Ion Chromatography (Continued)

Lab Sample ID: LCS 880-38849/2-A
Matrix: Solid
Analysis Batch: 39146

Client Sample ID: Lab Control Sample
Prep Type: Soluble

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Chloride			250	260.5		mg/Kg		104	90 - 110		

Lab Sample ID: LCSD 880-38849/3-A
Matrix: Solid
Analysis Batch: 39146

Client Sample ID: Lab Control Sample Dup
Prep Type: Soluble

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride			250	273.8		mg/Kg		110	90 - 110	5	20

Lab Sample ID: 890-3386-4 MS
Matrix: Solid
Analysis Batch: 39146

Client Sample ID: S-3
Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Chloride	19.0		249	276.1		mg/Kg		103	90 - 110		

Lab Sample ID: 890-3386-4 MSD
Matrix: Solid
Analysis Batch: 39146

Client Sample ID: S-3
Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	19.0		249	274.7		mg/Kg		103	90 - 110	0	20

QC Association Summary

Client: Talon/LPE
Project/Site: Mesczl SE Fed #1

Job ID: 890-3386-1
SDG: Eddy

GC VOA

Prep Batch: 39142

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-3386-1	BG-1	Total/NA	Solid	5035	
890-3386-2	S-1	Total/NA	Solid	5035	
890-3386-3	S-2	Total/NA	Solid	5035	
890-3386-4	S-3	Total/NA	Solid	5035	
890-3386-5	S-4	Total/NA	Solid	5035	
MB 880-39142/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-39142/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-39142/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	

Analysis Batch: 39368

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-3386-1	BG-1	Total/NA	Solid	8021B	39142
890-3386-2	S-1	Total/NA	Solid	8021B	39142
890-3386-3	S-2	Total/NA	Solid	8021B	39142
890-3386-4	S-3	Total/NA	Solid	8021B	39142
890-3386-5	S-4	Total/NA	Solid	8021B	39142
MB 880-39142/5-A	Method Blank	Total/NA	Solid	8021B	39142
LCS 880-39142/1-A	Lab Control Sample	Total/NA	Solid	8021B	39142
LCSD 880-39142/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	39142

Analysis Batch: 39486

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-3386-1	BG-1	Total/NA	Solid	Total BTEX	
890-3386-2	S-1	Total/NA	Solid	Total BTEX	
890-3386-3	S-2	Total/NA	Solid	Total BTEX	
890-3386-4	S-3	Total/NA	Solid	Total BTEX	
890-3386-5	S-4	Total/NA	Solid	Total BTEX	

GC Semi VOA

Analysis Batch: 38944

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-3386-1	BG-1	Total/NA	Solid	8015B NM	39001
890-3386-2	S-1	Total/NA	Solid	8015B NM	39001
890-3386-3	S-2	Total/NA	Solid	8015B NM	39001
890-3386-4	S-3	Total/NA	Solid	8015B NM	39001
890-3386-5	S-4	Total/NA	Solid	8015B NM	39001
MB 880-39001/1-A	Method Blank	Total/NA	Solid	8015B NM	39001
LCS 880-39001/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	39001
LCSD 880-39001/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	39001

Prep Batch: 39001

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-3386-1	BG-1	Total/NA	Solid	8015NM Prep	
890-3386-2	S-1	Total/NA	Solid	8015NM Prep	
890-3386-3	S-2	Total/NA	Solid	8015NM Prep	
890-3386-4	S-3	Total/NA	Solid	8015NM Prep	
890-3386-5	S-4	Total/NA	Solid	8015NM Prep	
MB 880-39001/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-39001/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-39001/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	

QC Association Summary

Client: Talon/LPE
Project/Site: Mesczl SE Fed #1

Job ID: 890-3386-1
SDG: Eddy

GC Semi VOA

Analysis Batch: 39108

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-3386-1	BG-1	Total/NA	Solid	8015 NM	
890-3386-2	S-1	Total/NA	Solid	8015 NM	
890-3386-3	S-2	Total/NA	Solid	8015 NM	
890-3386-4	S-3	Total/NA	Solid	8015 NM	
890-3386-5	S-4	Total/NA	Solid	8015 NM	

HPLC/IC

Leach Batch: 38849

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-3386-1	BG-1	Soluble	Solid	DI Leach	
890-3386-2	S-1	Soluble	Solid	DI Leach	
890-3386-3	S-2	Soluble	Solid	DI Leach	
890-3386-4	S-3	Soluble	Solid	DI Leach	
890-3386-5	S-4	Soluble	Solid	DI Leach	
MB 880-38849/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-38849/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-38849/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
890-3386-4 MS	S-3	Soluble	Solid	DI Leach	
890-3386-4 MSD	S-3	Soluble	Solid	DI Leach	

Analysis Batch: 39146

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-3386-1	BG-1	Soluble	Solid	300.0	38849
890-3386-2	S-1	Soluble	Solid	300.0	38849
890-3386-3	S-2	Soluble	Solid	300.0	38849
890-3386-4	S-3	Soluble	Solid	300.0	38849
890-3386-5	S-4	Soluble	Solid	300.0	38849
MB 880-38849/1-A	Method Blank	Soluble	Solid	300.0	38849
LCS 880-38849/2-A	Lab Control Sample	Soluble	Solid	300.0	38849
LCSD 880-38849/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	38849
890-3386-4 MS	S-3	Soluble	Solid	300.0	38849
890-3386-4 MSD	S-3	Soluble	Solid	300.0	38849

Lab Chronicle

Client: Talon/LPE
Project/Site: Mesczl SE Fed #1

Job ID: 890-3386-1
SDG: Eddy

Client Sample ID: BG-1
Date Collected: 11/04/22 08:00
Date Received: 11/04/22 11:38

Lab Sample ID: 890-3386-1
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.05 g	5 mL	39142	11/09/22 15:41	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	39368	11/13/22 03:57	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			39486	11/14/22 12:42	SM	EET MID
Total/NA	Analysis	8015 NM		1			39108	11/09/22 12:26	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	39001	11/08/22 13:32	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	38944	11/09/22 02:01	AJ	EET MID
Soluble	Leach	DI Leach			5 g	50 mL	38849	11/07/22 10:42	KS	EET MID
Soluble	Analysis	300.0		1			39146	11/11/22 07:17	CH	EET MID

Client Sample ID: S-1
Date Collected: 11/04/22 08:00
Date Received: 11/04/22 11:38

Lab Sample ID: 890-3386-2
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.97 g	5 mL	39142	11/09/22 15:41	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	39368	11/13/22 04:18	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			39486	11/14/22 12:42	SM	EET MID
Total/NA	Analysis	8015 NM		1			39108	11/09/22 12:26	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	39001	11/08/22 13:32	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	38944	11/09/22 02:22	AJ	EET MID
Soluble	Leach	DI Leach			5.01 g	50 mL	38849	11/07/22 10:42	KS	EET MID
Soluble	Analysis	300.0		1			39146	11/11/22 07:24	CH	EET MID

Client Sample ID: S-2
Date Collected: 11/04/22 08:00
Date Received: 11/04/22 11:38

Lab Sample ID: 890-3386-3
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.96 g	5 mL	39142	11/09/22 15:41	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	39368	11/13/22 04:38	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			39486	11/14/22 12:42	SM	EET MID
Total/NA	Analysis	8015 NM		1			39108	11/09/22 12:26	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	39001	11/08/22 13:32	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	38944	11/09/22 02:44	AJ	EET MID
Soluble	Leach	DI Leach			5.05 g	50 mL	38849	11/07/22 10:42	KS	EET MID
Soluble	Analysis	300.0		1			39146	11/11/22 07:32	CH	EET MID

Client Sample ID: S-3
Date Collected: 11/04/22 08:00
Date Received: 11/04/22 11:38

Lab Sample ID: 890-3386-4
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.00 g	5 mL	39142	11/09/22 15:41	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	39368	11/13/22 04:58	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			39486	11/14/22 12:42	SM	EET MID

Lab Chronicle

Client: Talon/LPE
Project/Site: Mesczl SE Fed #1

Job ID: 890-3386-1
SDG: Eddy

Client Sample ID: S-3
Date Collected: 11/04/22 08:00
Date Received: 11/04/22 11:38

Lab Sample ID: 890-3386-4
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	8015 NM		1			39108	11/09/22 12:26	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	39001	11/08/22 13:32	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	38944	11/09/22 03:05	AJ	EET MID
Soluble	Leach	DI Leach			5.03 g	50 mL	38849	11/07/22 10:42	KS	EET MID
Soluble	Analysis	300.0		1			39146	11/11/22 07:39	CH	EET MID

Client Sample ID: S-4
Date Collected: 11/04/22 08:00
Date Received: 11/04/22 11:38

Lab Sample ID: 890-3386-5
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.99 g	5 mL	39142	11/09/22 15:41	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	39368	11/13/22 05:19	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			39486	11/14/22 12:42	SM	EET MID
Total/NA	Analysis	8015 NM		1			39108	11/09/22 12:26	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	39001	11/08/22 13:32	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	38944	11/09/22 03:26	AJ	EET MID
Soluble	Leach	DI Leach			5 g	50 mL	38849	11/07/22 10:42	KS	EET MID
Soluble	Analysis	300.0		1			39146	11/11/22 08:00	CH	EET MID

Laboratory References:

EET MID = Eurofins Midland, 1211 W. Florida Ave, Midland, TX 79701, TEL (432)704-5440

Accreditation/Certification Summary

Client: Talon/LPE
Project/Site: Mesczl SE Fed #1

Job ID: 890-3386-1
SDG: Eddy

Laboratory: Eurofins Midland

Unless otherwise noted, all analytes for this laboratory were covered under each accreditation/certification below.

Authority	Program	Identification Number	Expiration Date
Texas	NELAP	T104704400-22-24	06-30-23

The following analytes are included in this report, but the laboratory is not certified by the governing authority. This list may include analytes for which the agency does not offer certification.

Analysis Method	Prep Method	Matrix	Analyte
8015 NM		Solid	Total TPH
Total BTEX		Solid	Total BTEX

Method Summary

Client: Talon/LPE
Project/Site: Mesczl SE Fed #1

Job ID: 890-3386-1
SDG: Eddy

Method	Method Description	Protocol	Laboratory
8021B	Volatile Organic Compounds (GC)	SW846	EET MID
Total BTEX	Total BTEX Calculation	TAL SOP	EET MID
8015 NM	Diesel Range Organics (DRO) (GC)	SW846	EET MID
8015B NM	Diesel Range Organics (DRO) (GC)	SW846	EET MID
300.0	Anions, Ion Chromatography	MCAWW	EET MID
5035	Closed System Purge and Trap	SW846	EET MID
8015NM Prep	Microextraction	SW846	EET MID
DI Leach	Deionized Water Leaching Procedure	ASTM	EET MID

Protocol References:

ASTM = ASTM International

MCAWW = "Methods For Chemical Analysis Of Water And Wastes", EPA-600/4-79-020, March 1983 And Subsequent Revisions.

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

TAL SOP = TestAmerica Laboratories, Standard Operating Procedure

Laboratory References:

EET MID = Eurofins Midland, 1211 W. Florida Ave, Midland, TX 79701, TEL (432)704-5440

Sample Summary

Client: Talon/LPE
Project/Site: Mesczl SE Fed #1

Job ID: 890-3386-1
SDG: Eddy

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Depth
890-3386-1	BG-1	Solid	11/04/22 08:00	11/04/22 11:38	1'
890-3386-2	S-1	Solid	11/04/22 08:00	11/04/22 11:38	1'
890-3386-3	S-2	Solid	11/04/22 08:00	11/04/22 11:38	1'
890-3386-4	S-3	Solid	11/04/22 08:00	11/04/22 11:38	1'
890-3386-5	S-4	Solid	11/04/22 08:00	11/04/22 11:38	1'

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Chain of Custody

Houston, TX (281) 240-4200, Dallas, TX (214) 902-0300
Midland, TX (432) 704-5440, San Antonio, TX (210) 509-3334
EL Paso, TX (915) 585-3443, Lubbock, TX (806) 794-1296
Hobbs, NM (575) 392-7550, Carlsbad, NM (575) 988-3199

Work Order No: _____

www.xenco.com Page _____ of _____

Project Manager:	Chad Hensley	Bill to: (if different)	EOG
Company Name:	Talon	Company Name:	
Address:	408 W. Texas Ave	Address:	
City, State ZIP:	Artesia, NM 88210	City, State ZIP:	
Phone:	575-746-8768	Email:	

Work Order Comments

Program: UST/PST ☐ PRP ☐ Brownfields ☐ RRC ☐ Superfund ☐
State of Project:
Reporting: Level II ☐ Level III ☐ PST/UST ☐ TRRP ☐ Level IV ☐
Deliverables: EDD ☐ ADaPT ☐ Other:

Project Name:	Mescal SE Fed #1	Turn Around	Pres. Code
Project Number:	700438.304.01	☒ Routine ☐ Rush	
Project Location:	Eddy	Due Date:	
Sampler's Name:	Chad Hensley	TAT starts the day received by the lab, if received by 4:30pm	
PO #:			

SAMPLE RECEIPT			
Temp Blank:	Yes (No)	Wet Ice:	(Yes) No
Samples Received Intact:	(Yes) No	Thermometer ID:	TMM 007
Cooler Custody Seals:	Yes No (N/A)	Correction Factor:	-0.2
Sample Custody Seals:	Yes No (N/A)	Temperature Reading:	14.2
Total Containers:		Corrected Temperature:	14.0

ANALYSIS REQUEST

Parameters: Cl, TPH, BTEX

890-3386 Chain of Custody

Preservative Codes

None: NO — DI Water: H_2O
Cool: Cool — MeOH: Me
HCL: HC — HNO_3: HN
H_2SO_4: H_2 — NaOH: Na
H_3PO_4: HP
$NaHSO_4$: NABIS
$Na_2S_2O_3$: $NaSO_3$
Zn Acetate+NaOH: Zn
NaOH+Ascorbic Acid: SAPC

Sample Identification	Matrix	Date Sampled	Time Sampled	Depth	Grab/ Comp	# of Cont	Sample Comments
BG-1		11/4/22		1	G		
S-1		"		1	G		
S-2		"		1	G		
S-3		"		1	G		
S-4		"		1	G		

Total 200.7 / 6010 200.8 / 6020: 8RCRA 13PPM Texas 11 Al Sb As Ba Be B Cd Ca Cr Co Cu Fe Pb Mg Mn Mo Ni K Se Ag SiO_2 Na Sr Tl Sn U V Zn

Circle Method(s) and Metal(s) to be analyzed **TCLP / SPLP 6010**: 8RCRA Sb As Ba Be Cd Cr Co Cu Pb Mn Mo Ni Se Ag Tl U Hg: 1631 / 245.1 / 7470 / 7471

Relinquished by: (Signature)	Received by: (Signature)	Date/Time	Relinquished by: (Signature)	Received by: (Signature)	Date/Time
1			2		
3			4		
5			6		

Revised Date: 08/25/2020 Rev. 2020.2

Eurofins Carlsbad
1089 N Canal St
Carlsbad NM 88220
Phone: 575-988-3199 Fax 575-988-3199

Chain of Custody Record

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Client Information (Sub Contract Lab)	Sampler	Lab PM: Taylor Holly	Carrier Tracking No(s)	COC No: 890-1010 1
Client Contact: Shipping/Receiving	Phone	E-Mail: Holly Taylor@et.eurofinsus com	State of Origin: Texas	Page: Page 1 of 1
Company: Eurofins Environment Testing South Centr		Accreditations Required (See note): NELAP - Texas		Job #: 890-3386-1
Address: 1211 W Florida Ave	Due Date Requested: 11/10/2022			
City: Midland	TAT Requested (days):			
State Zip: TX 79701				
Phone: 432-704-5440(Tel)	PO #:			
Email	WO #:			
Project Name: Mescal SE Fed #1	Project #: 88000270			
Site	SSOW#:			

Analysis Requested

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, M Hexane, N None, O AsNaO2, P Na2O4S, Q Na2SO3, R Na2S2O3, S - H2SO4, T TSP Dodecahydrate, U Acetone, V MCAA, W pH 4-5, Y Trizma, Z other (specify)

Other:

Sample Identification - Client ID (Lab ID)	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	8015MOD_NM/8015NM_S_Prep (MOD) Full TPH	300_ORGFM_28D/DI_LEACH Chloride	8021B/5035FP_Calc (MOD) BTEX - LL	8021B/5035FM_Calc (MOD) BTEX - ML	8015MOD_Calc	Total Number of containers	Special Instructions/Note
			Preservation Code:										
BG-1 (890-3386-1)	11/4/22	08 00 Central		Solid			X	X	X	X	X	1	
S-1 (890-3386-2)	11/4/22	08 00 Central		Solid			X	X	X	X	X	1	
S-2 (890-3386-3)	11/4/22	08 00 Central		Solid			X	X	X	X	X	1	
S-3 (890-3386-4)	11/4/22	08 00 Central		Solid			X	X	X	X	X	1	
S-4 (890-3386-5)	11/4/22	08 00 Central		Solid			X	X	X	X	X	1	

Note Since laboratory accreditations are subject to change Eurofins Environment Testing South Central LLC places the ownership of method analyte & accreditation compliance upon out 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/tests/matrix being analyzed the samples must be shipped back to the Eurofins Environment Testing South Central LLC laboratory or other instructions will be provided Any changes to accreditation status should be brought to Eurofins Environment Testing South Central, LLC attention immediately If all requested accreditations are current to date return the signed Chain of Custody attesting to said complicance to Eurofins Environment Testing South Central LLC.

Possible Hazard Identification	***Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)***
Unconfirmed	☐ *Return To Client* ☐ *Disposal By Lab* ☐ *Archive For* _____ *Months*
Deliverable Requested I II III IV Other (specify) Primary Deliverable Rank 2	Special Instructions/QC Requirements

Empty Kit Relinquished by	Date	Time	Method of Shipment:

Relinquished by	Date/Time	Company	Received by	Date/Time	Company
Relinquished by	Date/Time	Company	Received by	Date/Time	Company
Relinquished by	Date/Time	Company	Received by	Date/Time	Company

Custody Seals Intact. Δ Yes Δ No	Custody Seal No	Cooler Temperature(s) °C and Other Remarks

Ver: 06/08/2021

Eurofins Carlsbad
1089 N Canal St.
Carlsbad NM 88220
Phone. 575-988-3199 Fax: 575-988-3199

Chain of Custody Record

eurofins | Environment Testing

Client Information (Sub Contract Lab)	Sampler	Lab PM: Builes John	Carrier Tracking No(s):	COC No: 890-1010 2
Client Contact: Shipping/Receiving	Phone.	E-Mail: John Builes@et.eurofinsus.com	State of Origin: New Mexico	Page: Page 2 of 2
Company: Eurofins Environment Testing South Centr		Accreditations Required (See note): NELAP - Texas		Job #: 890-3387-1
Address: 1211 W Florida Ave	Due Date Requested: 11/7/2022			
City: Midland	TAT Requested (days):			
State, Zip: TX, 79701				
Phone: 432-704-5440(Tel)	PO #:			
Email	WO #:			
Project Name: Copperhead	Project #: 89000100			
Site.	SSOW#:			

Analysis Requested

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, M Hexane, N None, O AsNaO2, P Na2O4S, Q Na2SO3, R Na2S2O3, S H2SO4, T TSP Dodecahydrate, U Acetone, V MCAA, W pH 4-5, Y Trizma, Z other (specify)

Other:

Sample Identification - Client ID (Lab ID)	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	8021B/5036FP_Calc BTEX	Total_BTEX_GCV	8015MOD_NM/8015NM_S_Prep Full TPH	8015MOD_Calc	300_ORGFM_28D/DI_LEACH Chloride	Total Number of containers	Special Instructions/Note.
			Preservation Code:										
B-49-4-110322 (890-3387-10)	11/3/22	15 05 Mountain		Solid			X	X	X	X	X	1	
B-50-4-110322 (890-3387-11)	11/3/22	15 10 Mountain		Solid			X	X	X	X	X	1	
B-51-4-110322 (890-3387-12)	11/3/22	15 15 Mountain		Solid			X	X	X	X	X	1	
B-52-4-110322 (890-3387-13)	11/3/22	15 20 Mountain		Solid			X	X	X	X	X	1	
B-53-4-110322 (890-3387-14)	11/3/22	15 25 Mountain		Solid			X	X	X	X	X	1	
B-54-4-110322 (890-3387-15)	11/3/22	15 30 Mountain		Solid			X	X	X	X	X	1	
B-55-4-110322 (890-3387-16)	11/3/22	15 35 Mountain		Solid			X	X	X	X	X	1	
B-56-4-110322 (890-3387-17)	11/3/22	15 40 Mountain		Solid			X	X	X	X	X	1	
B-57-4-110322 (890-3387-18)	11/3/22	15 45 Mountain		Solid			X	X	X	X	X	1	

Note Since laboratory accreditations are subject to change Eurofins Environment Testing South Central LLC places the ownership of method analyte & accreditation compliance upon out 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/tests/matrix being analyzed the samples must be shipped back to the Eurofins Environment Testing South Central LLC laboratory or other instructions will be provided Any changes to accreditation status should be brought to Eurofins Environment Testing South Central, LLC attention immediately If all requested accreditations are current to date, return the signed Chain of Custody attesting to said complicance to Eurofins Environment Testing South Central LLC.

Possible Hazard Identification	Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
Unconfirmed	☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months
Deliverable Requested I II III IV Other (specify) Primary Deliverable Rank 2	Special Instructions/QC Requirements

Empty Kit Relinquished by	Date	Time	Method of Shipment:

Relinquished by:	Date/Time:	Company	Received by:	Date/Time	Company
Relinquished by:	Date/Time	Company	Received by:	Date/Time	Company
Relinquished by:	Date/Time	Company	Received by:	Date/Time	Company

Custody Seals Intact. Δ Yes Δ No	Custody Seal No	Cooler Temperature(s) °C and Other Remarks.

Ver: 06/08/2021

Login Sample Receipt Checklist

Client: Talon/LPE

Job Number: 890-3386-1
SDG Number: Eddy

Login Number: 3386
List Number: 1
Creator: Stutzman, Amanda

List Source: Eurofins Carlsbad

Question	Answer	Comment
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	N/A	Refer to Job Narrative for details.
Sample bottles are completely filled.	True	
Sample Preservation Verified.	N/A	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	N/A	

Login Sample Receipt Checklist

Client: Talon/LPE

Job Number: 890-3386-1
SDG Number: Eddy

Login Number: 3386
List Number: 2
Creator: Teel, Brianna

List Source: Eurofins Midland
List Creation: 11/07/22 09:10 AM

Question	Answer	Comment
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	

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ANALYTICAL REPORT

PREPARED FOR

Attn: Chad Hensley
Talon/LPE
408 W. Texas St.
Artesia, New Mexico 88210

Generated 11/29/2022 3:13:07 PM

JOB DESCRIPTION

Mescal SE Fed #1
SDG NUMBER 700438.304.01

JOB NUMBER

890-3536-1

Eurofins Carlsbad
1089 N Canal St.
Carlsbad NM 88220

See page two for job notes and contact information.

my EOL

Eurofins Carlsbad

Job Notes

Analytical test results meet all requirements of the associated regulatory program (i.e., NELAC (TNI), DoD, and ISO 17025) unless otherwise noted under the individual analysis.

Authorization

Generated
11/29/2022 3:13:07 PM

Authorized for release by
Jessica Kramer, Project Manager
Jessica.Kramer@et.eurofinsus.com
(432)704-5440

Client: Talon/LPE
Project/Site: Mescal SE Fed #1

Laboratory Job ID: 890-3536-1
SDG: 700438.304.01

Table of Contents

Definitions/Glossary

Client: Talon/LPE
Project/Site: Mescal SE Fed #1

Job ID: 890-3536-1
SDG: 700438.304.01

Qualifiers

GC VOA

Qualifier	Qualifier Description
F1	MS and/or MSD recovery exceeds control limits.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
S1-	Surrogate recovery exceeds control limits, low biased.
U	Indicates the analyte was analyzed for but not detected.

GC Semi VOA

Qualifier	Qualifier Description
*1	LCS/LCSD RPD exceeds control limits.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
S1+	Surrogate recovery exceeds control limits, high biased.
U	Indicates the analyte was analyzed for but not detected.

HPLC/IC

Qualifier	Qualifier Description
U	Indicates the analyte was analyzed for but not detected.

Glossary

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

Case Narrative

Client: Talon/LPE
Project/Site: Mescal SE Fed #1

Job ID: 890-3536-1
SDG: 700438.304.01

Job ID: 890-3536-1

Laboratory: Eurofins Carlsbad

Narrative

Job Narrative
890-3536-1

Receipt
The samples were received on 11/18/2022 2:22 PM. 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 18.0°C

Receipt Exceptions
The following samples analyzed for method <FRACTION_METHOD> were received and analyzed from an unpreserved bulk soil jar: T-1 (890-3536-1), T-1 (890-3536-2), T-2 (890-3536-3), T-3 (890-3536-4), T-4 (890-3536-5) and T-5 (890-3536-6).

GC VOA
Method 8021B: The matrix spike (MS) recoveries for preparation batch 880-40470 and analytical batch 880-40541 were outside control limits. Non-homogeneity is suspected because the associated laboratory control sample (LCS) recovery was within acceptance limits.

Method 8021B: Surrogate recovery for the following sample was outside control limits: (890-3536-A-1-D 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.

GC Semi VOA
Method 8015MOD_NM: The surrogate recovery for the blank associated with preparation batch 880-40343 and analytical batch 880-40262 was outside the upper control limits.

Method 8015MOD_NM: Surrogate recovery for the following samples were outside control limits: (LCS 880-40343/2-A) and (LCSD 880-40343/3-A). Evidence of matrix interferences is not obvious.

Method 8015MOD_NM: Surrogate recovery for the following samples were outside control limits: T-1 (890-3536-1), T-1 (890-3536-2) and T-2 (890-3536-3). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

Method 8015MOD_NM: Surrogate recovery for the following samples were outside control limits: T-4 (890-3536-5) and T-5 (890-3536-6). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

Method 8015MOD_NM: The method blank for preparation batch 880-40343 and analytical batch 880-40262 contained Gasoline Range Organics (GRO)-C6-C10 above the method detection limit. This target analyte concentration was less than the reporting limit (RL); therefore, re-extraction and/or re-analysis of samples was not performed.

Method 8015MOD_NM: The RPD of the laboratory control sample (LCS) and laboratory control sample duplicate (LCSD) for preparation batch 880-40343 and analytical batch 880-40262 recovered outside control limits for the following analytes: Gasoline Range Organics (GRO)-C6-C10.

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

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

Client Sample Results

Client: Talon/LPE
Project/Site: Mescal SE Fed #1

Job ID: 890-3536-1
SDG: 700438.304.01

Client Sample ID: T-1
Date Collected: 11/18/22 10:45
Date Received: 11/18/22 14:22
Sample Depth: 2

Lab Sample ID: 890-3536-1
Matrix: Solid

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.000387	U	0.00201	0.000387	mg/Kg		11/28/22 14:18	11/29/22 12:41	1
Toluene	<0.000459	U	0.00201	0.000459	mg/Kg		11/28/22 14:18	11/29/22 12:41	1
Ethylbenzene	<0.000568	U	0.00201	0.000568	mg/Kg		11/28/22 14:18	11/29/22 12:41	1
m-Xylene & p-Xylene	<0.00102	U F1	0.00402	0.00102	mg/Kg		11/28/22 14:18	11/29/22 12:41	1
o-Xylene	**0.000455**	**J F1**	0.00201	0.000346	mg/Kg		11/28/22 14:18	11/29/22 12:41	1
Xylenes, Total	<0.00102	U F1	0.00402	0.00102	mg/Kg		11/28/22 14:18	11/29/22 12:41	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*82*		*70 - 130*	*11/28/22 14:18*	*11/29/22 12:41*	*1*
1,4-Difluorobenzene (Surr)	*106*		*70 - 130*	*11/28/22 14:18*	*11/29/22 12:41*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00102	U	0.00402	0.00102	mg/Kg			11/29/22 15:04	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	**37.8**	**J**	49.8	14.9	mg/Kg			11/28/22 11:40	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<14.9	U *1	49.8	14.9	mg/Kg		11/23/22 15:04	11/24/22 03:35	1
Diesel Range Organics (Over C10-C28)	**17.4**	**J**	49.8	14.9	mg/Kg		11/23/22 15:04	11/24/22 03:35	1
Oil Range Organics (Over C28-C36)	**20.4**	**J**	49.8	14.9	mg/Kg		11/23/22 15:04	11/24/22 03:35	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*109*		*70 - 130*	*11/23/22 15:04*	*11/24/22 03:35*	*1*
o-Terphenyl	*137*	*S1+*	*70 - 130*	*11/23/22 15:04*	*11/24/22 03:35*	*1*

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**228**		5.02	0.397	mg/Kg			11/24/22 00:33	1

Client Sample ID: T-1
Date Collected: 11/18/22 10:43
Date Received: 11/18/22 14:22
Sample Depth: 3.5

Lab Sample ID: 890-3536-2
Matrix: Solid

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.000386	U	0.00200	0.000386	mg/Kg		11/28/22 14:18	11/29/22 13:02	1
Toluene	<0.000457	U	0.00200	0.000457	mg/Kg		11/28/22 14:18	11/29/22 13:02	1
Ethylbenzene	<0.000566	U	0.00200	0.000566	mg/Kg		11/28/22 14:18	11/29/22 13:02	1
m-Xylene & p-Xylene	<0.00101	U	0.00401	0.00101	mg/Kg		11/28/22 14:18	11/29/22 13:02	1
o-Xylene	<0.000345	U	0.00200	0.000345	mg/Kg		11/28/22 14:18	11/29/22 13:02	1
Xylenes, Total	<0.00101	U	0.00401	0.00101	mg/Kg		11/28/22 14:18	11/29/22 13:02	1

Client Sample Results

Client: Talon/LPE
Project/Site: Mescal SE Fed #1

Job ID: 890-3536-1
SDG: 700438.304.01

Client Sample ID: T-1
Date Collected: 11/18/22 10:43
Date Received: 11/18/22 14:22
Sample Depth: 3.5

Lab Sample ID: 890-3536-2
Matrix: Solid

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*88*		*70 - 130*	*11/28/22 14:18*	*11/29/22 13:02*	*1*
1,4-Difluorobenzene (Surr)	*111*		*70 - 130*	*11/28/22 14:18*	*11/29/22 13:02*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00101	U	0.00401	0.00101	mg/Kg			11/29/22 15:04	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	**34.9**	**J**	50.0	15.0	mg/Kg			11/28/22 11:40	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<15.0	U *1	50.0	15.0	mg/Kg		11/23/22 15:04	11/24/22 03:57	1
Diesel Range Organics (Over C10-C28)	**16.1**	**J**	50.0	15.0	mg/Kg		11/23/22 15:04	11/24/22 03:57	1
Oil Range Organics (Over C28-C36)	**18.8**	**J**	50.0	15.0	mg/Kg		11/23/22 15:04	11/24/22 03:57	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*111*		*70 - 130*	*11/23/22 15:04*	*11/24/22 03:57*	*1*
o-Terphenyl	*138*	*S1+*	*70 - 130*	*11/23/22 15:04*	*11/24/22 03:57*	*1*

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**242**		5.04	0.398	mg/Kg			11/24/22 00:40	1

Client Sample ID: T-2
Date Collected: 11/18/22 10:54
Date Received: 11/18/22 14:22
Sample Depth: 2

Lab Sample ID: 890-3536-3
Matrix: Solid

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.000383	U	0.00199	0.000383	mg/Kg		11/28/22 14:18	11/29/22 13:22	1
Toluene	<0.000454	U	0.00199	0.000454	mg/Kg		11/28/22 14:18	11/29/22 13:22	1
Ethylbenzene	<0.000563	U	0.00199	0.000563	mg/Kg		11/28/22 14:18	11/29/22 13:22	1
m-Xylene & p-Xylene	<0.00101	U	0.00398	0.00101	mg/Kg		11/28/22 14:18	11/29/22 13:22	1
o-Xylene	<0.000343	U	0.00199	0.000343	mg/Kg		11/28/22 14:18	11/29/22 13:22	1
Xylenes, Total	<0.00101	U	0.00398	0.00101	mg/Kg		11/28/22 14:18	11/29/22 13:22	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*84*		*70 - 130*	*11/28/22 14:18*	*11/29/22 13:22*	*1*
1,4-Difluorobenzene (Surr)	*105*		*70 - 130*	*11/28/22 14:18*	*11/29/22 13:22*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00101	U	0.00398	0.00101	mg/Kg			11/29/22 15:04	1

Client Sample Results

Client: Talon/LPE
Project/Site: Mescal SE Fed #1

Job ID: 890-3536-1
SDG: 700438.304.01

Client Sample ID: T-2

Lab Sample ID: 890-3536-3
Matrix: Solid
Date Collected: 11/18/22 10:54
Date Received: 11/18/22 14:22
Sample Depth: 2

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	**37.7**	**J**	50.0	15.0	mg/Kg			11/28/22 11:40	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<15.0	U *1	50.0	15.0	mg/Kg		11/23/22 15:04	11/24/22 04:18	1
Diesel Range Organics (Over C10-C28)	**17.5**	**J**	50.0	15.0	mg/Kg		11/23/22 15:04	11/24/22 04:18	1
Oil Range Organics (Over C28-C36)	**20.2**	**J**	50.0	15.0	mg/Kg		11/23/22 15:04	11/24/22 04:18	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*106*		*70 - 130*	*11/23/22 15:04*	*11/24/22 04:18*	*1*
o-Terphenyl	*133*	*S1+*	*70 - 130*	*11/23/22 15:04*	*11/24/22 04:18*	*1*

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**220**		4.97	0.393	mg/Kg			11/24/22 01:00	1

Client Sample ID: T-3

Lab Sample ID: 890-3536-4
Matrix: Solid
Date Collected: 11/18/22 11:05
Date Received: 11/18/22 14:22
Sample Depth: 2

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.000383	U	0.00199	0.000383	mg/Kg		11/28/22 14:18	11/29/22 13:42	1
Toluene	<0.000453	U	0.00199	0.000453	mg/Kg		11/28/22 14:18	11/29/22 13:42	1
Ethylbenzene	<0.000562	U	0.00199	0.000562	mg/Kg		11/28/22 14:18	11/29/22 13:42	1
m-Xylene & p-Xylene	<0.00100	U	0.00398	0.00100	mg/Kg		11/28/22 14:18	11/29/22 13:42	1
o-Xylene	<0.000342	U	0.00199	0.000342	mg/Kg		11/28/22 14:18	11/29/22 13:42	1
Xylenes, Total	<0.00100	U	0.00398	0.00100	mg/Kg		11/28/22 14:18	11/29/22 13:42	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*89*		*70 - 130*	*11/28/22 14:18*	*11/29/22 13:42*	*1*
1,4-Difluorobenzene (Surr)	*102*		*70 - 130*	*11/28/22 14:18*	*11/29/22 13:42*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00100	U	0.00398	0.00100	mg/Kg			11/29/22 15:04	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	**40.8**	**J**	49.9	15.0	mg/Kg			11/28/22 11:40	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<15.0	U *1	49.9	15.0	mg/Kg		11/23/22 15:04	11/24/22 04:40	1
Diesel Range Organics (Over C10-C28)	**24.4**	**J**	49.9	15.0	mg/Kg		11/23/22 15:04	11/24/22 04:40	1

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Client Sample Results

Client: Talon/LPE
Project/Site: Mescal SE Fed #1

Job ID: 890-3536-1
SDG: 700438.304.01

Client Sample ID: T-3
Date Collected: 11/18/22 11:05
Date Received: 11/18/22 14:22
Sample Depth: 2

Lab Sample ID: 890-3536-4
Matrix: Solid

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Oil Range Organics (Over C28-C36)	**16.4**	**J**	49.9	15.0	mg/Kg		11/23/22 15:04	11/24/22 04:40	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*103*		*70 - 130*	*11/23/22 15:04*	*11/24/22 04:40*	*1*
o-Terphenyl	*130*		*70 - 130*	*11/23/22 15:04*	*11/24/22 04:40*	*1*

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**322**		5.05	0.399	mg/Kg			11/24/22 01:07	1

Client Sample ID: T-4
Date Collected: 11/18/22 11:13
Date Received: 11/18/22 14:22
Sample Depth: 2

Lab Sample ID: 890-3536-5
Matrix: Solid

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.000387	U	0.00201	0.000387	mg/Kg		11/28/22 14:18	11/29/22 14:03	1
Toluene	<0.000459	U	0.00201	0.000459	mg/Kg		11/28/22 14:18	11/29/22 14:03	1
Ethylbenzene	<0.000568	U	0.00201	0.000568	mg/Kg		11/28/22 14:18	11/29/22 14:03	1
m-Xylene & p-Xylene	<0.00102	U	0.00402	0.00102	mg/Kg		11/28/22 14:18	11/29/22 14:03	1
o-Xylene	<0.000346	U	0.00201	0.000346	mg/Kg		11/28/22 14:18	11/29/22 14:03	1
Xylenes, Total	<0.00102	U	0.00402	0.00102	mg/Kg		11/28/22 14:18	11/29/22 14:03	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*94*		*70 - 130*	*11/28/22 14:18*	*11/29/22 14:03*	*1*
1,4-Difluorobenzene (Surr)	*113*		*70 - 130*	*11/28/22 14:18*	*11/29/22 14:03*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00102	U	0.00402	0.00102	mg/Kg			11/29/22 15:04	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	**23.4**	**J**	49.8	14.9	mg/Kg			11/28/22 11:40	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<14.9	U *1	49.8	14.9	mg/Kg		11/23/22 15:04	11/24/22 05:02	1
Diesel Range Organics (Over C10-C28)	<14.9	U	49.8	14.9	mg/Kg		11/23/22 15:04	11/24/22 05:02	1
Oil Range Organics (Over C28-C36)	**23.4**	**J**	49.8	14.9	mg/Kg		11/23/22 15:04	11/24/22 05:02	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*107*		*70 - 130*	*11/23/22 15:04*	*11/24/22 05:02*	*1*
o-Terphenyl	*134*	*S1+*	*70 - 130*	*11/23/22 15:04*	*11/24/22 05:02*	*1*

Client Sample Results

Client: Talon/LPE
Project/Site: Mescal SE Fed #1

Job ID: 890-3536-1
SDG: 700438.304.01

Client Sample ID: T-4

Lab Sample ID: 890-3536-5
Matrix: Solid
Date Collected: 11/18/22 11:13
Date Received: 11/18/22 14:22
Sample Depth: 2

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**90.0**		5.04	0.398	mg/Kg			11/24/22 01:13	1

Client Sample ID: T-5

Lab Sample ID: 890-3536-6
Matrix: Solid
Date Collected: 11/18/22 11:20
Date Received: 11/18/22 14:22
Sample Depth: 2

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.000389	U	0.00202	0.000389	mg/Kg		11/28/22 14:18	11/29/22 14:23	1
Toluene	<0.000461	U	0.00202	0.000461	mg/Kg		11/28/22 14:18	11/29/22 14:23	1
Ethylbenzene	<0.000571	U	0.00202	0.000571	mg/Kg		11/28/22 14:18	11/29/22 14:23	1
m-Xylene & p-Xylene	<0.00102	U	0.00404	0.00102	mg/Kg		11/28/22 14:18	11/29/22 14:23	1
o-Xylene	<0.000347	U	0.00202	0.000347	mg/Kg		11/28/22 14:18	11/29/22 14:23	1
Xylenes, Total	<0.00102	U	0.00404	0.00102	mg/Kg		11/28/22 14:18	11/29/22 14:23	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*88*		*70 - 130*	*11/28/22 14:18*	*11/29/22 14:23*	*1*
1,4-Difluorobenzene (Surr)	*115*		*70 - 130*	*11/28/22 14:18*	*11/29/22 14:23*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00102	U	0.00404	0.00102	mg/Kg			11/29/22 15:04	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	**19.9**	**J**	49.9	15.0	mg/Kg			11/28/22 11:40	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<15.0	U *1	49.9	15.0	mg/Kg		11/23/22 15:04	11/24/22 05:23	1
Diesel Range Organics (Over C10-C28)	**19.9**	**J**	49.9	15.0	mg/Kg		11/23/22 15:04	11/24/22 05:23	1
Oil Range Organics (Over C28-C36)	<15.0	U	49.9	15.0	mg/Kg		11/23/22 15:04	11/24/22 05:23	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*123*		*70 - 130*	*11/23/22 15:04*	*11/24/22 05:23*	*1*
o-Terphenyl	*143*	*S1+*	*70 - 130*	*11/23/22 15:04*	*11/24/22 05:23*	*1*

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**63.7**		4.99	0.394	mg/Kg			11/24/22 01:20	1

Surrogate Summary

Client: Talon/LPE
Project/Site: Mescal SE Fed #1

Job ID: 890-3536-1
SDG: 700438.304.01

Method: 8021B - Volatile Organic Compounds (GC)

Matrix: Solid

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)	
		BFB1	DFBZ1
Lab Sample ID	Client Sample ID	(70-130)	(70-130)
890-3536-1	T-1	82	106
890-3536-1 MS	T-1	54 S1-	98
890-3536-1 MSD	T-1	94	110
890-3536-2	T-1	88	111
890-3536-3	T-2	84	105
890-3536-4	T-3	89	102
890-3536-5	T-4	94	113
890-3536-6	T-5	88	115
LCS 880-40470/1-A	Lab Control Sample	87	111
LCSD 880-40470/2-A	Lab Control Sample Dup	83	107
MB 880-40470/5-A	Method Blank	72	109

Surrogate Legend

BFB = 4-Bromofluorobenzene (Surr)
DFBZ = 1,4-Difluorobenzene (Surr)

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

Matrix: Solid

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)	
		1CO1	OTPH1
Lab Sample ID	Client Sample ID	(70-130)	(70-130)
890-3536-1	T-1	109	137 S1+
890-3536-2	T-1	111	138 S1+
890-3536-3	T-2	106	133 S1+
890-3536-4	T-3	103	130
890-3536-5	T-4	107	134 S1+
890-3536-6	T-5	123	143 S1+
LCS 880-40343/2-A	Lab Control Sample	175 S1+	217 S1+
LCSD 880-40343/3-A	Lab Control Sample Dup	200 S1+	240 S1+
MB 880-40343/1-A	Method Blank	155 S1+	184 S1+

Surrogate Legend

1CO = 1-Chlorooctane
OTPH = o-Terphenyl

QC Sample Results

Client: Talon/LPE
Project/Site: Mescal SE Fed #1

Job ID: 890-3536-1
SDG: 700438.304.01

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 880-40470/5-A
Matrix: Solid
Analysis Batch: 40541

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 40470

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.000385	U	0.00200	0.000385	mg/Kg		11/28/22 14:18	11/29/22 12:12	1
Toluene	<0.000456	U	0.00200	0.000456	mg/Kg		11/28/22 14:18	11/29/22 12:12	1
Ethylbenzene	<0.000565	U	0.00200	0.000565	mg/Kg		11/28/22 14:18	11/29/22 12:12	1
m-Xylene & p-Xylene	<0.00101	U	0.00400	0.00101	mg/Kg		11/28/22 14:18	11/29/22 12:12	1
o-Xylene	<0.000344	U	0.00200	0.000344	mg/Kg		11/28/22 14:18	11/29/22 12:12	1
Xylenes, Total	<0.00101	U	0.00400	0.00101	mg/Kg		11/28/22 14:18	11/29/22 12:12	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*72*		*70 - 130*	*11/28/22 14:18*	*11/29/22 12:12*	*1*
1,4-Difluorobenzene (Surr)	*109*		*70 - 130*	*11/28/22 14:18*	*11/29/22 12:12*	*1*

Lab Sample ID: LCS 880-40470/1-A
Matrix: Solid
Analysis Batch: 40541

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 40470

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	0.100	0.09656		mg/Kg		97	70 - 130
Toluene	0.100	0.1057		mg/Kg		106	70 - 130
Ethylbenzene	0.100	0.09986		mg/Kg		100	70 - 130
m-Xylene & p-Xylene	0.200	0.1780		mg/Kg		89	70 - 130
o-Xylene	0.100	0.08731		mg/Kg		87	70 - 130

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*87*		*70 - 130*
1,4-Difluorobenzene (Surr)	*111*		*70 - 130*

Lab Sample ID: LCSD 880-40470/2-A
Matrix: Solid
Analysis Batch: 40541

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 40470

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	0.100	0.09346		mg/Kg		93	70 - 130	3	35
Toluene	0.100	0.1020		mg/Kg		102	70 - 130	4	35
Ethylbenzene	0.100	0.09994		mg/Kg		100	70 - 130	0	35
m-Xylene & p-Xylene	0.200	0.1782		mg/Kg		89	70 - 130	0	35
o-Xylene	0.100	0.08553		mg/Kg		86	70 - 130	2	35

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*83*		*70 - 130*
1,4-Difluorobenzene (Surr)	*107*		*70 - 130*

Lab Sample ID: 890-3536-1 MS
Matrix: Solid
Analysis Batch: 40541

Client Sample ID: T-1
Prep Type: Total/NA
Prep Batch: 40470

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	<0.000387	U	0.0996	0.07790		mg/Kg		78	70 - 130
Toluene	<0.000459	U	0.0996	0.08620		mg/Kg		87	70 - 130

QC Sample Results

Client: Talon/LPE
Project/Site: Mescal SE Fed #1

Job ID: 890-3536-1
SDG: 700438.304.01

Method: 8021B - Volatile Organic Compounds (GC) (Continued)

Lab Sample ID: 890-3536-1 MS
Matrix: Solid
Analysis Batch: 40541

Client Sample ID: T-1
Prep Type: Total/NA
Prep Batch: 40470

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Ethylbenzene	<0.000568	U	0.0996	0.07726		mg/Kg		78	70 - 130
m-Xylene & p-Xylene	<0.00102	U F1	0.199	0.1316	F1	mg/Kg		66	70 - 130
o-Xylene	0.000455	J F1	0.0996	0.06193	F1	mg/Kg		62	70 - 130

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*54*	*S1-*	*70 - 130*
1,4-Difluorobenzene (Surr)	*98*		*70 - 130*

Lab Sample ID: 890-3536-1 MSD
Matrix: Solid
Analysis Batch: 40541

Client Sample ID: T-1
Prep Type: Total/NA
Prep Batch: 40470

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	<0.000387	U	0.0996	0.08851		mg/Kg		89	70 - 130	13	35
Toluene	<0.000459	U	0.0996	0.09697		mg/Kg		97	70 - 130	12	35
Ethylbenzene	<0.000568	U	0.0996	0.08945		mg/Kg		90	70 - 130	15	35
m-Xylene & p-Xylene	<0.00102	U F1	0.199	0.1590		mg/Kg		80	70 - 130	19	35
o-Xylene	0.000455	J F1	0.0996	0.07671		mg/Kg		77	70 - 130	21	35

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*94*		*70 - 130*
1,4-Difluorobenzene (Surr)	*110*		*70 - 130*

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

Lab Sample ID: MB 880-40343/1-A
Matrix: Solid
Analysis Batch: 40262

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 40343

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	23.96	J	50.0	15.0	mg/Kg		11/23/22 15:04	11/23/22 20:46	1
Diesel Range Organics (Over C10-C28)	<15.0	U	50.0	15.0	mg/Kg		11/23/22 15:04	11/23/22 20:46	1
Oil Range Organics (Over C28-C36)	<15.0	U	50.0	15.0	mg/Kg		11/23/22 15:04	11/23/22 20:46	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*155*	*S1+*	*70 - 130*	*11/23/22 15:04*	*11/23/22 20:46*	*1*
o-Terphenyl	*184*	*S1+*	*70 - 130*	*11/23/22 15:04*	*11/23/22 20:46*	*1*

Lab Sample ID: LCS 880-40343/2-A
Matrix: Solid
Analysis Batch: 40262

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 40343

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics (GRO)-C6-C10	1000	949.0		mg/Kg		95	70 - 130
Diesel Range Organics (Over C10-C28)	1000	1030		mg/Kg		103	70 - 130

Eurofins Carlsbad

QC Sample Results

Client: Talon/LPE
Project/Site: Mescal SE Fed #1

Job ID: 890-3536-1
SDG: 700438.304.01

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

Lab Sample ID: LCS 880-40343/2-A
Matrix: Solid
Analysis Batch: 40262

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 40343

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1-Chlorooctane	*175*	*S1+*	*70 - 130*
o-Terphenyl	*217*	*S1+*	*70 - 130*

Lab Sample ID: LCSD 880-40343/3-A
Matrix: Solid
Analysis Batch: 40262

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 40343

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	1000	1193	*1	mg/Kg		119	70 - 130	23	20
Diesel Range Organics (Over C10-C28)	1000	1169		mg/Kg		117	70 - 130	13	20

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
1-Chlorooctane	*200*	*S1+*	*70 - 130*
o-Terphenyl	*240*	*S1+*	*70 - 130*

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-40011/1-A
Matrix: Solid
Analysis Batch: 40326

Client Sample ID: Method Blank
Prep Type: Soluble

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<0.395	U	5.00	0.395	mg/Kg			11/23/22 22:20	1

Lab Sample ID: LCS 880-40011/2-A
Matrix: Solid
Analysis Batch: 40326

Client Sample ID: Lab Control Sample
Prep Type: Soluble

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	250	257.4		mg/Kg		103	90 - 110

Lab Sample ID: LCSD 880-40011/3-A
Matrix: Solid
Analysis Batch: 40326

Client Sample ID: Lab Control Sample Dup
Prep Type: Soluble

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	250	257.7		mg/Kg		103	90 - 110	0	20

QC Association Summary

Client: Talon/LPE
Project/Site: Mescal SE Fed #1

Job ID: 890-3536-1
SDG: 700438.304.01

GC VOA

Prep Batch: 40470

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-3536-1	T-1	Total/NA	Solid	5035	
890-3536-2	T-1	Total/NA	Solid	5035	
890-3536-3	T-2	Total/NA	Solid	5035	
890-3536-4	T-3	Total/NA	Solid	5035	
890-3536-5	T-4	Total/NA	Solid	5035	
890-3536-6	T-5	Total/NA	Solid	5035	
MB 880-40470/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-40470/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-40470/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
890-3536-1 MS	T-1	Total/NA	Solid	5035	
890-3536-1 MSD	T-1	Total/NA	Solid	5035	

Analysis Batch: 40541

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-3536-1	T-1	Total/NA	Solid	8021B	40470
890-3536-2	T-1	Total/NA	Solid	8021B	40470
890-3536-3	T-2	Total/NA	Solid	8021B	40470
890-3536-4	T-3	Total/NA	Solid	8021B	40470
890-3536-5	T-4	Total/NA	Solid	8021B	40470
890-3536-6	T-5	Total/NA	Solid	8021B	40470
MB 880-40470/5-A	Method Blank	Total/NA	Solid	8021B	40470
LCS 880-40470/1-A	Lab Control Sample	Total/NA	Solid	8021B	40470
LCSD 880-40470/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	40470
890-3536-1 MS	T-1	Total/NA	Solid	8021B	40470
890-3536-1 MSD	T-1	Total/NA	Solid	8021B	40470

Analysis Batch: 40623

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-3536-1	T-1	Total/NA	Solid	Total BTEX	
890-3536-2	T-1	Total/NA	Solid	Total BTEX	
890-3536-3	T-2	Total/NA	Solid	Total BTEX	
890-3536-4	T-3	Total/NA	Solid	Total BTEX	
890-3536-5	T-4	Total/NA	Solid	Total BTEX	
890-3536-6	T-5	Total/NA	Solid	Total BTEX	

GC Semi VOA

Analysis Batch: 40262

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-3536-1	T-1	Total/NA	Solid	8015B NM	40343
890-3536-2	T-1	Total/NA	Solid	8015B NM	40343
890-3536-3	T-2	Total/NA	Solid	8015B NM	40343
890-3536-4	T-3	Total/NA	Solid	8015B NM	40343
890-3536-5	T-4	Total/NA	Solid	8015B NM	40343
890-3536-6	T-5	Total/NA	Solid	8015B NM	40343
MB 880-40343/1-A	Method Blank	Total/NA	Solid	8015B NM	40343
LCS 880-40343/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	40343
LCSD 880-40343/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	40343

QC Association Summary

Client: Talon/LPE
Project/Site: Mescal SE Fed #1

Job ID: 890-3536-1
SDG: 700438.304.01

GC Semi VOA

Prep Batch: 40343

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-3536-1	T-1	Total/NA	Solid	8015NM Prep	
890-3536-2	T-1	Total/NA	Solid	8015NM Prep	
890-3536-3	T-2	Total/NA	Solid	8015NM Prep	
890-3536-4	T-3	Total/NA	Solid	8015NM Prep	
890-3536-5	T-4	Total/NA	Solid	8015NM Prep	
890-3536-6	T-5	Total/NA	Solid	8015NM Prep	
MB 880-40343/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-40343/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-40343/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	

Analysis Batch: 40451

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-3536-1	T-1	Total/NA	Solid	8015 NM	
890-3536-2	T-1	Total/NA	Solid	8015 NM	
890-3536-3	T-2	Total/NA	Solid	8015 NM	
890-3536-4	T-3	Total/NA	Solid	8015 NM	
890-3536-5	T-4	Total/NA	Solid	8015 NM	
890-3536-6	T-5	Total/NA	Solid	8015 NM	

HPLC/IC

Leach Batch: 40011

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-3536-1	T-1	Soluble	Solid	DI Leach	
890-3536-2	T-1	Soluble	Solid	DI Leach	
890-3536-3	T-2	Soluble	Solid	DI Leach	
890-3536-4	T-3	Soluble	Solid	DI Leach	
890-3536-5	T-4	Soluble	Solid	DI Leach	
890-3536-6	T-5	Soluble	Solid	DI Leach	
MB 880-40011/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-40011/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-40011/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	

Analysis Batch: 40326

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-3536-1	T-1	Soluble	Solid	300.0	40011
890-3536-2	T-1	Soluble	Solid	300.0	40011
890-3536-3	T-2	Soluble	Solid	300.0	40011
890-3536-4	T-3	Soluble	Solid	300.0	40011
890-3536-5	T-4	Soluble	Solid	300.0	40011
890-3536-6	T-5	Soluble	Solid	300.0	40011
MB 880-40011/1-A	Method Blank	Soluble	Solid	300.0	40011
LCS 880-40011/2-A	Lab Control Sample	Soluble	Solid	300.0	40011
LCSD 880-40011/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	40011

Lab Chronicle

Client: Talon/LPE
Project/Site: Mescal SE Fed #1

Job ID: 890-3536-1
SDG: 700438.304.01

Client Sample ID: T-1
Date Collected: 11/18/22 10:45
Date Received: 11/18/22 14:22

Lab Sample ID: 890-3536-1
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.97 g	5 mL	40470	11/28/22 14:18	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	40541	11/29/22 12:41	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			40623	11/29/22 15:04	SM	EET MID
Total/NA	Analysis	8015 NM		1			40451	11/28/22 11:40	SM	EET MID
Total/NA	Prep	8015NM Prep			10.05 g	10 mL	40343	11/23/22 15:04	AM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	40262	11/24/22 03:35	SM	EET MID
Soluble	Leach	DI Leach			4.98 g	50 mL	40011	11/20/22 12:23	CH	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	40326	11/24/22 00:33	CH	EET MID

Client Sample ID: T-1
Date Collected: 11/18/22 10:43
Date Received: 11/18/22 14:22

Lab Sample ID: 890-3536-2
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.99 g	5 mL	40470	11/28/22 14:18	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	40541	11/29/22 13:02	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			40623	11/29/22 15:04	SM	EET MID
Total/NA	Analysis	8015 NM		1			40451	11/28/22 11:40	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	40343	11/23/22 15:04	AM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	40262	11/24/22 03:57	SM	EET MID
Soluble	Leach	DI Leach			4.96 g	50 mL	40011	11/20/22 12:23	CH	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	40326	11/24/22 00:40	CH	EET MID

Client Sample ID: T-2
Date Collected: 11/18/22 10:54
Date Received: 11/18/22 14:22

Lab Sample ID: 890-3536-3
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.02 g	5 mL	40470	11/28/22 14:18	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	40541	11/29/22 13:22	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			40623	11/29/22 15:04	SM	EET MID
Total/NA	Analysis	8015 NM		1			40451	11/28/22 11:40	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	40343	11/23/22 15:04	AM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	40262	11/24/22 04:18	SM	EET MID
Soluble	Leach	DI Leach			5.03 g	50 mL	40011	11/20/22 12:23	CH	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	40326	11/24/22 01:00	CH	EET MID

Client Sample ID: T-3
Date Collected: 11/18/22 11:05
Date Received: 11/18/22 14:22

Lab Sample ID: 890-3536-4
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.03 g	5 mL	40470	11/28/22 14:18	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	40541	11/29/22 13:42	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			40623	11/29/22 15:04	SM	EET MID

Lab Chronicle

Client: Talon/LPE
Project/Site: Mescal SE Fed #1

Job ID: 890-3536-1
SDG: 700438.304.01

Client Sample ID: T-3
Date Collected: 11/18/22 11:05
Date Received: 11/18/22 14:22

Lab Sample ID: 890-3536-4
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	8015 NM		1			40451	11/28/22 11:40	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	40343	11/23/22 15:04	AM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	40262	11/24/22 04:40	SM	EET MID
Soluble	Leach	DI Leach			4.95 g	50 mL	40011	11/20/22 12:23	CH	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	40326	11/24/22 01:07	CH	EET MID

Client Sample ID: T-4
Date Collected: 11/18/22 11:13
Date Received: 11/18/22 14:22

Lab Sample ID: 890-3536-5
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.97 g	5 mL	40470	11/28/22 14:18	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	40541	11/29/22 14:03	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			40623	11/29/22 15:04	SM	EET MID
Total/NA	Analysis	8015 NM		1			40451	11/28/22 11:40	SM	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	40343	11/23/22 15:04	AM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	40262	11/24/22 05:02	SM	EET MID
Soluble	Leach	DI Leach			4.96 g	50 mL	40011	11/20/22 12:23	CH	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	40326	11/24/22 01:13	CH	EET MID

Client Sample ID: T-5
Date Collected: 11/18/22 11:20
Date Received: 11/18/22 14:22

Lab Sample ID: 890-3536-6
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.95 g	5 mL	40470	11/28/22 14:18	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	40541	11/29/22 14:23	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			40623	11/29/22 15:04	SM	EET MID
Total/NA	Analysis	8015 NM		1			40451	11/28/22 11:40	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	40343	11/23/22 15:04	AM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	40262	11/24/22 05:23	SM	EET MID
Soluble	Leach	DI Leach			5.01 g	50 mL	40011	11/20/22 12:23	CH	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	40326	11/24/22 01:20	CH	EET MID

Laboratory References:
EET MID = Eurofins Midland, 1211 W. Florida Ave, Midland, TX 79701, TEL (432)704-5440

Accreditation/Certification Summary

Client: Talon/LPE
Project/Site: Mescal SE Fed #1

Job ID: 890-3536-1
SDG: 700438.304.01

Laboratory: Eurofins Midland

Unless otherwise noted, all analytes for this laboratory were covered under each accreditation/certification below.

Authority	Program	Identification Number	Expiration Date
Texas	NELAP	T104704400-22-24	06-30-23

The following analytes are included in this report, but the laboratory is not certified by the governing authority. This list may include analytes for which the agency does not offer certification.

Analysis Method	Prep Method	Matrix	Analyte
8015 NM		Solid	Total TPH
Total BTEX		Solid	Total BTEX

Method Summary

Client: Talon/LPE
Project/Site: Mescal SE Fed #1

Job ID: 890-3536-1
SDG: 700438.304.01

Method	Method Description	Protocol	Laboratory
8021B	Volatile Organic Compounds (GC)	SW846	EET MID
Total BTEX	Total BTEX Calculation	TAL SOP	EET MID
8015 NM	Diesel Range Organics (DRO) (GC)	SW846	EET MID
8015B NM	Diesel Range Organics (DRO) (GC)	SW846	EET MID
300.0	Anions, Ion Chromatography	MCAWW	EET MID
5035	Closed System Purge and Trap	SW846	EET MID
8015NM Prep	Microextraction	SW846	EET MID
DI Leach	Deionized Water Leaching Procedure	ASTM	EET MID

Protocol References:

ASTM = ASTM International

MCAWW = "Methods For Chemical Analysis Of Water And Wastes", EPA-600/4-79-020, March 1983 And Subsequent Revisions.

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

TAL SOP = TestAmerica Laboratories, Standard Operating Procedure

Laboratory References:

EET MID = Eurofins Midland, 1211 W. Florida Ave, Midland, TX 79701, TEL (432)704-5440

Sample Summary

Client: Talon/LPE
Project/Site: Mescal SE Fed #1

Job ID: 890-3536-1
SDG: 700438.304.01

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Depth
890-3536-1	T-1	Solid	11/18/22 10:45	11/18/22 14:22	2
890-3536-2	T-1	Solid	11/18/22 10:43	11/18/22 14:22	3.5
890-3536-3	T-2	Solid	11/18/22 10:54	11/18/22 14:22	2
890-3536-4	T-3	Solid	11/18/22 11:05	11/18/22 14:22	2
890-3536-5	T-4	Solid	11/18/22 11:13	11/18/22 14:22	2
890-3536-6	T-5	Solid	11/18/22 11:20	11/18/22 14:22	2

eurofins | Environment Testing Xenco

Chain of Custody

Houston, TX (281) 240-4200, Dallas, TX (214) 902-0300
Midland, TX (432) 704-5440, San Antonio, TX (210) 509-3334
EL Paso, TX (915) 585-3443, Lubbock, TX (806) 794-1296
Hobbs, NM (575) 392-7550, Carlsbad, NM (575) 988-3199

Work Order No: _____

www.xenco.com Page 1 of 1

Project Manager:	Chad Hensley	Bill to: (if different)	Jeremy
Company Name:	Talon LPE	Company Name:	EOG
Address:	408 W. Texas Ave.	Address:	
City, State ZIP:	Artesia, NM 88210	City, State ZIP:	
Phone:	575.746.8768	Email:	Chensley@talonlpe.com

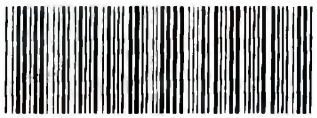
Work Order Comments

Program: UST/PST ☐ PRP ☐ Brownfields ☐ RRC ☐ Superfund ☐
State of Project:
Reporting: Level II ☐ Level III ☐ PST/UST ☐ TRRP ☐ Level IV ☐
Deliverables: EDD ☐ ADaPT ☐ Other:

Project Name:	Mescal SE Fed #1	Turn Around	
Project Number:	700438.304.01	☑ Routine ☐ Rush	
Project Location:	Chavis, NM	Due Date:	
Sampler's Name:	Chad Hensley	TAT starts the day received by the lab, if received by 4:30pm	
PO #:	N/A		

SAMPLE RECEIPT				
Temp Blank:	Yes (No)	Wet Ice:	(Yes) No	
Samples Received Intact:	(Yes) No	Thermometer ID:	TM 007	
Cooler Custody Seals:	Yes No (N/A)	Correction Factor:	-0.2	
Sample Custody Seals:	Yes No (N/A)	Temperature Reading:	18.2	
Total Containers:		Corrected Temperature:	18.0	

ANALYSIS REQUEST



890-3536 Chain of Custody

Preservative Codes

None: NO DI Water: H_2O
Cool: Cool MeOH: Me
HCL: HC HNO_3: HN
H_2SO_4: H_2 NaOH: Na
H_3PO_4: HP
$NaHSO_4$: NABIS
$Na_2S_2O_3$: $NaSO_3$
Zn Acetate+NaOH: Zn
NaOH+Ascorbic Acid: SAPC

Sample Identification	Matrix	Date Sampled	Time Sampled	Depth	Grab/ Comp	# of Cont	Pres. Code	CL	BTEX	TPH	Sample Comments
T-1	Soil	11/18/2022	10:45	2	Grab/	1		x	X	X	
T-1	Soil	11/18/2022	10:43	3.5'	Grab/	1		x	X	X	
T-2	Soil	11/18/2022	10:55	2	Grab/	1		x	X	X	
T-3	Soil	11/18/2022	11:05	2	Grab/	1		x	X	X	
T-4	Soil	11/18/2022	11:13	2	Grab/	1		x	X	X	
T-5	Soil	11/18/2022	11:20	2	Grab/	1		x	X	X	
	Soil	11/18/2022			Grab/	1		x	X	X	
	~~Soil~~	~~11/18/2022~~			Grab/	1		x	X	X	
	Soil	11/18/2022			Grab/	1		x	X	X	
	Soil	11/18/2022			Grab/	1		x	X	X	

Total 200.7 / 6010 200.8 / 6020: 8RCRA 13PPM Texas 11 Al Sb As Ba Be B Cd Ca Cr Co Cu Fe Pb Mg Mn Mo Ni K Se Ag SiO_2 Na Sr Tl Sn U V Zn
Circle Method(s) and Metal(s) to be analyzed TCLP / SPLP 6010: 8RCRA Sb As Ba Be Cd Cr Co Cu Pb Mn Mo Ni Se Ag Tl U Hg: 1631 / 245.1 / 7470 / 7471

	Relinquished by: (Signature)	Received by: (Signature)	Date/Time	Relinquished by: (Signature)	Received by: (Signature)	Date/Time
1		Miranda Stuff	11/18/22 1422			
3				4		
5				6		

Revised Date: 08/25/2020 Rev. 2020.2

Login Sample Receipt Checklist

Client: Talon/LPE

Job Number: 890-3536-1
SDG Number: 700438.304.01

Login Number: 3536
List Number: 1
Creator: Clifton, Cloe

List Source: Eurofins Carlsbad

Question	Answer	Comment
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	N/A	Refer to Job Narrative for details.
Sample bottles are completely filled.	True	
Sample Preservation Verified.	N/A	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	N/A	

Login Sample Receipt Checklist

Client: Talon/LPE

Job Number: 890-3536-1
SDG Number: 700438.304.01

Login Number: 3536
List Number: 2
Creator: Rodriguez, Leticia

List Source: Eurofins Midland
List Creation: 11/22/22 11:47 AM

Question	Answer	Comment
The cooler's custody seal, if present, is intact.	N/A	
Sample custody seals, if present, are intact.	N/A	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	N/A	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	N/A	

Appendix V

C-141

District I
1625 N. French Dr., Hobbs, NM 88240
District II
1301 W. Grand Avenue, Artesia, NM 88210
District III
1000 Rio Brazos Road, Aztec, NM 87410
District IV
1220 S. St. Francis Dr., Santa Fe, NM 87505

State of New Mexico
Energy Minerals and Natural Resources

Oil Conservation Division
1220 South St. Francis Dr.
Santa Fe, NM 87505

Form C-141
Revised October 10, 2003

Submit 2 Copies to appropriate District Office in accordance with Rule 116 on back side of form

nKMW 1101329111

Release Notification and Corrective Action
OPERATOR ☒ Initial Report ☐ Final Report

Name of Company	OGRID Number	Contact
Yates Petroleum Corporation	25575	Amanda Trujillo
Address		**Telephone No.**
104 S. 4TH Street		575-748-1471
Facility Name	**API Number**	**Facility Type** / **Order Number**
Mescal SE #1	30-015-24002	Gas well / 2RP-

Surface Owner	Mineral Owner	Lease No.
Federal	Federal	

LOCATION OF RELEASE

Unit Letter	Section	Township	Range	Feet from the	North/South Line	Feet from the	East/West Line	County
	18	21S	22E	600	North	1750	West	Eddy

Latitude_____ Longitude_____

NATURE OF RELEASE

Type of Release	Volume of Release	Volume Recovered
Condensate	49	0
Source of Release	**Date and Hour of Occurrence**	**Date and Hour of Discovery**
Hole in tank from bullet hole or natural wear	11/18/09	11/18/2009 - AM
Was Immediate Notice Given? ☒ Yes ☐ No ☐ Not Required	**If YES, To Whom?** Mike Bratcher - NMOCD/Artesia	
By Whom? Jerry Fanning – Yates Petroleum Corporation	**Date and Hour** 11/20/2009 am	
Was a Watercourse Reached? ☐ Yes ☒ No	**If YES, Volume Impacting the Watercourse.** N/A	

If a Watercourse was Impacted, Describe Fully.*
N/A

Describe Cause of Problem and Remedial Action Taken.*
The release occurred within the bermed area. No material was able to be recovered.

Describe Area Affected and Cleanup Action Taken.*
An approximate size of 10' x 20' was impacted. The impacted area is located around the oil tank. The tank has been cleaned. Vertical and horizontal delineation samples will taken and analysis ran for TPH, BTEX and Chlorides once all contaminated material has been removed. **Depth to Ground Water: ≤100' (approx. 210' per New Mexico Office of the State Engineer); Wellhead Protection Area: No; Distance to Surface Water Body: <100'; SITE RANKING IS 0. Based on site ground water quality and enclosed analytical results.**

I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to NMOCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the NMOCD marked as "Final Report" does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to ground water, surface water, human health or the environment. In addition, NMOCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations.

Signature: A Trujillo

Printed Name: Amanda Trujillo

Title: Environmental Scientist

E-mail Address: atrujillo@yatespetroleum.com

Date: Tuesday, November 24, 2009 Phone: 575-748-4310

OIL CONSERVATION DIVISION

Approved by District Supervisor: Signed By Mike Bratcher

Approval Date: 3/21/11 Expiration Date:

Conditions of Approval: Attached ☐

Remediation per OCD Rules & Guidelines. **SUBMIT REMEDIATION PROPOSAL NOT LATER THAN:** 4/21/11

2RP-559

* Attach Additional Sheets If Necessary

State of New Mexico
Oil Conservation Division

Incident ID	nkmw1101329111
District RP	
Facility ID	
Application ID	

Site Assessment/Characterization

This information must be provided to the appropriate district office no later than 90 days after the release discovery date.

What is the shallowest depth to groundwater beneath the area affected by the release?	N/A (ft bgs)
Did this release impact groundwater or surface water?	☐ Yes ☒ No
Are the lateral extents of the release within 300 feet of a continuously flowing watercourse or any other significant watercourse?	☐ Yes ☒ No
Are the lateral extents of the release within 200 feet of any lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark)?	☐ Yes ☒ No
Are the lateral extents of the release within 300 feet of an occupied permanent residence, school, hospital, institution, or church?	☐ Yes ☒ No
Are the lateral extents of the release within 500 horizontal feet of a spring or a private domestic fresh water well used by less than five households for domestic or stock watering purposes?	☐ Yes ☒ No
Are the lateral extents of the release within 1000 feet of any other fresh water well or spring?	☐ Yes ☒ No
Are the lateral extents of the release within incorporated municipal boundaries or within a defined municipal fresh water well field?	☐ Yes ☒ No
Are the lateral extents of the release within 300 feet of a wetland?	☐ Yes ☒ No
Are the lateral extents of the release overlying a subsurface mine?	☐ Yes ☒ No
Are the lateral extents of the release overlying an unstable area such as karst geology?	☐ Yes ☒ No
Are the lateral extents of the release within a 100-year floodplain?	☐ Yes ☒ No
Did the release impact areas **not** on an exploration, development, production, or storage site?	☐ Yes ☒ No

Attach a comprehensive report (electronic submittals in .pdf format are preferred) demonstrating the lateral and vertical extents of soil contamination associated with the release have been determined. Refer to 19.15.29.11 NMAC for specifics.

Characterization Report Checklist: ***Each of the following items must be included in the report.***

☒ Scaled site map showing impacted area, surface features, subsurface features, delineation points, and monitoring wells.
☒ Field data
☒ Data table of soil contaminant concentration data
☒ Depth to water determination
☒ Determination of water sources and significant watercourses within ½-mile of the lateral extents of the release
☐ Boring or excavation logs
☒ Photographs including date and GIS information
☒ Topographic/Aerial maps
☒ Laboratory data including chain of custody

If the site characterization report does not include completed efforts at remediation of the release, the report must include a proposed remediation plan. That plan must include the estimated volume of material to be remediated, the proposed remediation technique, proposed sampling plan and methods, anticipated timelines for beginning and completing the remediation. The closure criteria for a release are contained in Table 1 of 19.15.29.12 NMAC, however, use of the table is modified by site- and release-specific parameters.

Form C-141
Page 4

State of New Mexico
Oil Conservation Division

Incident ID	nkmw1101329111
District RP	
Facility ID	
Application ID	

I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to OCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the OCD does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment. In addition, OCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations.

Printed Name: Jeremy Haass Title: Sr. Safety & Enviromental Specialist

Signature: Jy Haass Date: 11/30/2022

email: jeremy_Haass@eogresources.com Telephone: 575-748-4311

OCD Only

Received by: Jocelyn Harimon Date: 11/30/2022

Form C-141
Page 6

State of New Mexico
Oil Conservation Division

Incident ID	nkmw1101329111
District RP	
Facility ID	
Application ID	

Closure

The responsible party must attach information demonstrating they have complied with all applicable closure requirements and any conditions or directives of the OCD. This demonstration should be in the form of a comprehensive report (electronic submittals in .pdf format are preferred) including a scaled site map, sampling diagrams, relevant field notes, photographs of any excavation prior to backfilling, laboratory data including chain of custody documents of final sampling, and a narrative of the remedial activities. Refer to 19.15.29.12 NMAC.

Closure Report Attachment Checklist: ***Each of the following items must be included in the closure report.***

☒ A scaled site and sampling diagram as described in 19.15.29.11 NMAC

☒ Photographs of the remediated site prior to backfill or photos of the liner integrity if applicable (Note: appropriate OCD District office must be notified 2 days prior to liner inspection)

☒ Laboratory analyses of final sampling (Note: appropriate ODC District office must be notified 2 days prior to final sampling)

☒ Description of remediation activities

I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to OCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the OCD does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment. In addition, OCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations. The responsible party acknowledges they must substantially restore, reclaim, and re-vegetate the impacted surface area to the conditions that existed prior to the release or their final land use in accordance with 19.15.29.13 NMAC including notification to the OCD when reclamation and re-vegetation are complete.

Printed Name: Jeremy Haass Title: Sr. Safety & Enviromental Specialist

Signature: Jeremy Haass Date: 11/30/2022

email: jeremy_Haass@eogresources.com Telephone: 575-748-4311

OCD Only

Received by: Jocelyn Harimon Date: 11/30/2022

Closure approval by the OCD does not relieve the responsible party of liability should their operations have failed to adequately investigate and remediate contamination that poses a threat to groundwater, surface water, human health, or the environment nor does not relieve the responsible party of compliance with any other federal, state, or local laws and/or regulations.

Closure Approved by: Ashley Maxwell Date: 2/03/2023

Printed Name: Ashley Maxwell Title: Environmental Specialist

District I
1625 N. French Dr., Hobbs, NM 88240
Phone:(575) 393-6161 Fax:(575) 393-0720
District II
811 S. First St., Artesia, NM 88210
Phone:(575) 748-1283 Fax:(575) 748-9720
District III
1000 Rio Brazos Rd., Aztec, NM 87410
Phone:(505) 334-6178 Fax:(505) 334-6170
District IV
1220 S. St Francis Dr., Santa Fe, NM 87505
Phone:(505) 476-3470 Fax:(505) 476-3462

State of New Mexico
Energy, Minerals and Natural Resources
Oil Conservation Division
1220 S. St Francis Dr.
Santa Fe, NM 87505

CONDITIONS

Action 162694

CONDITIONS

Operator: EOG RESOURCES INC P.O. Box 2267 Midland, TX 79702	OGRID: 7377
	Action Number: 162694
	Action Type: [C-141] Release Corrective Action (C-141)

CONDITIONS

Created By	Condition	Condition Date
amaxwell	None	2/3/2023