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Received by OCD: 11/17/2022 9:10:10 AM

State of New Mexico
Oil Conservation Division

Incident ID	nAPP2128532809
District RP	
Facility ID	fOY1829648635
Application ID	

Remediation Plan

Remediation Plan Checklist: ***Each of the following items must be included in the plan.***

- ☐ Detailed description of proposed remediation technique
- ☐ Scaled site map with GPS coordinates showing delineation points
- ☐ Estimated volume of material to be remediated
- ☐ Closure criteria is to Table 1 specifications subject to 19.15.29.12(C)(4) NMAC
- ☐ Proposed schedule for remediation (note if remediation plan timeline is more than 90 days OCD approval is required)

Deferral Requests Only: ***Each of the following items must be confirmed as part of any request for deferral of remediation.***

☒ Contamination must be in areas immediately under or around production equipment where remediation could cause a major facility deconstruction.

☒ Extents of contamination must be fully delineated.

☒ Contamination does not cause an imminent risk to human health, the environment, or groundwater.

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: Spencer Jackson
Title: Sr Remediation Specialist

Signature:
Date: 11/14/2022

email: spencer.jackson@scoutep.com
Telephone: 972-505-3842

OCD Only

Received by: Jocelyn Harimon
Date: 11/17/2022

☐ Approved ☐ Approved with Attached Conditions of Approval ☐ Denied ☑ Deferral Approved

Signature:
Date: 01/30/2023

talonlpe.com • 866.742.0742

TALON LPE

Deferment Request and Closure Report

Mexico J Battery
Lea County, New Mexico
Facility ID # fOY1829648635
Incident # nAPP2128532809

Prepared For:

Scout Energy Management, LLC
13800 Montfort Road, Suite 100
Dallas, Texas 75240

Prepared By:

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

November 14, 2022

Jennifer Nobui
NMOCD
5200 Oakland Avenue N E Suite, 100
Albuquerque, New Mexico 87113

Subject: **Deferment Request and Closure Report**
Mexico J Battery
Lea County, New Mexico
Facility ID # fOY1829648635
Incident # nAPP2128532809

Ms. Nobui,

Scout Energy Management, LLC (Scout) contracted Talon/LPE (Talon) to perform site delineation activities at the above referenced location. The results of the soil assessment and are provided herein.

Site Information

The Mexico J Battery is located approximately 6.97 miles northeast of Jal, New Mexico. The legal location for this release is Unit Letter B, Section 5, Township 25 South and Range 38 East in Lea County, New Mexico. The latitude and longitude for the site is 32.163089 and -103.082460. Site maps are presented in Appendix I.

According to the soil survey provided by the United States Department of Agriculture National Resources Conservation Services, the soils in the area are made up of Simona-Upton association with 0 to 3 percent slopes, comprised of sandy loam with some gravels. Per the New Mexico Bureau of Geology and Mineral Resources, the local surface and shallow geology consists of alluvial and eolian deposits of the Ogallala Formation, lower Pliocene to middle Miocene in age. Drainage courses in this area are typically well drained.

Groundwater and Site Characterization

Based on New Mexico Office of the State Engineer Database, the nearest reported groundwater depth is 105 feet below ground surface (bgs) but was completed in 1966 and plugged in 1979. On October 12, 2022, a temporary well was drilling by Talon/LPE to a depth of 55 feet bgs on the eastern side of the pad (Figure 1) to conclusively determine the presence or absence of groundwater at that depth. Groundwater was not encountered at 55 feet bgs following a 72-hour period after the installation of the well. The FEMA Flood Map Service Center does not locate the site in a 100-year flood plain.

Further research of the Bureau of Land Management Karst indicates the site is located in a non-karst area. See Appendix II for the site characterization data.

If a release occurs within the following areas, the responsible party must treat the release as if it occurred in an area where the groundwater is less than 50 feet bgs in Table I, New Mexico Oil Conservation Division (NMOCD) Rule 19.15.29 NMAC.

Approximate Depth to Groundwater	**> 55 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

Because the release occurred in a production area and the verified depth to groundwater on location is greater than 55 feet bgs, the clean up criteria for this site is as follows.

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
51-100 feet	Total Chlorides	EPA 300.0 or SM4500 Cl B	10,000 mg/kg
	TPH (GRO+DRO+MRO)	EPA SW-846 Method 8015M	2,500 mg/kg
	TPH (GRO + DRO)	EPA SW-846 Method 8015M	1,000 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

On October 11, 2021, approximately 10 barrels (bbls) of crude oil and 50 bbls of produced water were discharged into the lined battery after the dump valve malfunctioned resulting in all of the liquids to overflow the tanks. A vacuum truck was dispatched and 10 bbls of crude oil and 45 bbls of produced water were recovered from inside the berm containment. The release was reported to the NMOCD and was assigned incident # nAPP2128532809. The impacted soil within the containment was removed, the liner was repaired, and the containment was backfilled with clean material to uniform depth of 4-6 inches.

Site maps of the release are presented in Appendix I. Initial C-141 spill notifications were filed with the NMOCD and are attached in Appendix III.

Site Assessment Activities

On February 1, 2022, after the review of the submitted data and C-141 form, NMOCD requested composite soil samples to be collected in two locations near the documented liner impairments. On, February 10, 2022, two soil samples were collected by Scout personnel in the vicinity of the documented liner tears and associated repairs. All samples were transported via chain of custody to Eurofins Laboratories, Inc., for analysis of Total Chlorides (EPA Method 300.0), Total Petroleum Hydrocarbons (TPH, EPA Method 8015M) and Volatile Organics (BTEX, EPA Method 8021B).

On May 13, 2022, Talon performed soil sampling activities at the site to determine vertical delineation at the sample locations and verify the spill was contained to the containment. The borings at S-1 and S-2 were advanced to 10 feet bgs and surface composite samples were collected on the north, east, and west sides of the containment. The samples were transported via chain of custody to Eurofins Laboratories, Inc., for analysis of Total Chlorides, Total TPH, and BTEX. The analytical results are presented on the following data table.

Table I

Soil Assessment Laboratory Results on Pad Location

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 combined = 1,000 mg/kg			2,500 mg/kg	10,000 mg/kg
S-1	2/10/2022	0.5'	ND	ND	ND	335	ND	335	1490
S-1A	5/13/2022	3'	ND	ND	ND	24.8	34.1	58.9	854
S-1A	5/13/2022	4'	ND	ND	ND	54.9	ND	54.9	915
S-1A	5/13/2022	5'	ND	ND	300	84.2	ND	384.2	647
S-1A	5/13/2022	6'	0.123	ND	26.1	288	ND	314.1	371
S-1A	5/13/2022	8'	ND	ND	37.8	111	ND	148.8	283
S-1A	5/13/2022	10'	0.00426	ND	18.4	55.7	ND	74.1	176
E-COMP	5/13/2022	0-0.5'	ND	ND	ND	ND	ND	-	659
E S-1-6"	6/1/2022	0.5'	NT	NT	ND	ND	ND	ND	11.1
N-COMP	5/13/2022	0-0.5'	ND	ND	ND	199	92.4	291.4	396
N S-1-6"	6/1/2022	0.5'	NT	NT	ND	ND	ND	ND	17.7
W-COMP	5/13/2022	0-0.5'	ND	ND	ND	23.9	ND	23.9	307
BG = Background Sample ND = Analyte Not Detected									

A deferment request was submitted to NMOCD on July 8, 2022. However, on July 19, 2022, NMOCD requested additional vertical delineation sampling be completed within the containment area.

On September 2, 2022, Talon attempted four (4) additional vertical delineation points within the containment at specified locations, per NMOCD request, utilizing a Geoprobe (direct push technology). Refusal was encountered at S-4A, S-5A, and S-6A at approximately 2.5 feet below the liner and delineation was not obtainable at these locations. Vertical delineation was completed at S-3A to a total depth of six (6) feet bgs. This area was heavily comprised of gravel material and adequate sample could only be collected from the five (5) foot and six (6) foot intervals.

On October 12, 2022, Talon mobilized to install a temporary well to confirm groundwater to be greater than 55 feet below the site and complete vertical delineation under the containment pursuant to NMOCD direction. The resulting analytical data is presented in the following table.

Table 2
Soil Delineation Under Containment Laboratory Results

Sample ID	Sample Date	Depth (feet)	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 combined = 1,000 mg/kg			2,500 mg/kg	10,000 mg/kg
S-2A	5/13/2022	4'	ND	ND	ND	382	137	519	2530
S-2A	5/13/2022	6'	ND	ND	ND	21.7	ND	21.7	445
S-2A	5/13/2022	8'	ND	ND	46	ND	16	62	173
S-3A	9/2/2022	5' *	ND	ND	ND	ND	ND	-	338
S-3A	9/2/2022	6' R *	ND	ND	ND	ND	ND	-	278
S-4A	10/12/2022	4' *	6.25	0.0199	1620	8440	4330	14400	1360
S-4A	10/12/2022	6' *	2.52	0.0137	911	4340	2100	7350	1410
S-4A	10/12/2022	8' *	0.49	ND	258	1860	811	2930	926
S-4A	10/12/2022	10' *	6.92	ND	408	2500	1270	4180	971
S-4A	10/12/2022	12' *	0.809	ND	179	1740	759	2680	814
S-4A	10/12/2022	14' *	0.178	ND	68.8	992	419	1480	1170
S-4A	10/12/2022	16' *	ND	ND	30.8	144	96.5	271	1010
S-4A	10/12/2022	18' *	ND	ND	28.4	55.1	113	196	538
S-5A	10/12/2022	4' *	ND	ND	41.7	471	273	786	496
S-5A	10/12/2022	6' *	0.778	ND	136	1300	809	2250	209
S-5A	10/12/2022	8' *	0.0266	ND	36.3	ND	ND	36.3	155
S-6A	10/12/2022	4' *	0.46	0.0102	123	941	552	1620	365
S-6A	10/12/2022	6' *	0.127	0.0593	25.3	281	152	458	355
S-6A	10/12/2022	8' *	ND	ND	22.4	23.4	ND	45.8	181
S-6A	10/12/2022	10' *	ND	0.000385	26.7	16.3	ND	43	196
S-6A	10/12/2022	12' *	ND	ND	29.7	ND	ND	29.7	248
R = Refusal * = feet below the liner ND = Analyte Not Detected									

The areas in the vicinity of sample location S-3A, S-4A, S-5A and S-6A have been vertically delineated as directed by the NMOCD.

Photographic documentation from the drilling and sampling activities are presented in Appendix IV. The complete laboratory reports can be found in Appendix V. Sample locations are shown on the attached Figure 1 in Appendix I.

Deferment Request

- The depth to groundwater at the site was confirmed to be greater than 55 feet bgs through installation of a temporary groundwater monitoring well. The well location is illustrated on Figure 1, Appendix I, and the boring log is presented in Appendix II.

- Closure is requested for the area of S-1A based on the clean-up criteria outlined in Table 1 for groundwater depths between 51-100 feet bgs.

- Deferment of further remedial actions at this time is requested for the containment area due to the presence of existing infrastructure and potential safety concerns of excavation activities in this area. Vertical delineation for BTEX, TPH and Total Chlorides has been established.

Based upon the completed sampling activities, drilling results, remedial actions and analytical data presented herein, on behalf of Scout Energy we respectfully request no further actions be required in the containment area until facility closure.

Should you have any questions or if further information is required, please do not hesitate to contact our office at 575-746-8768.

Respectfully submitted,

Talon/LPE

Kayla Taylor
Project Manager

David J. Adkins
Regional Manager

Attachments:
Appendix I Site Maps
Appendix II Groundwater and Soil Data, FEMA Flood Map
Appendix III C-141 Forms, NMOCD Correspondence
Appendix IV Photographic Documentation
Appendix V Analytical Data

APPENDIX I

Site Maps

Received by OCD: 11/17/2022 9:10:10 AM

TALON LPE

Drafted: 11/4/2022
1 in = 50 ft
Drafted By: JAI

Scout Energy Management, LLC
Mexico J Battery
Lea County, NM
Figure 1 - Site Map

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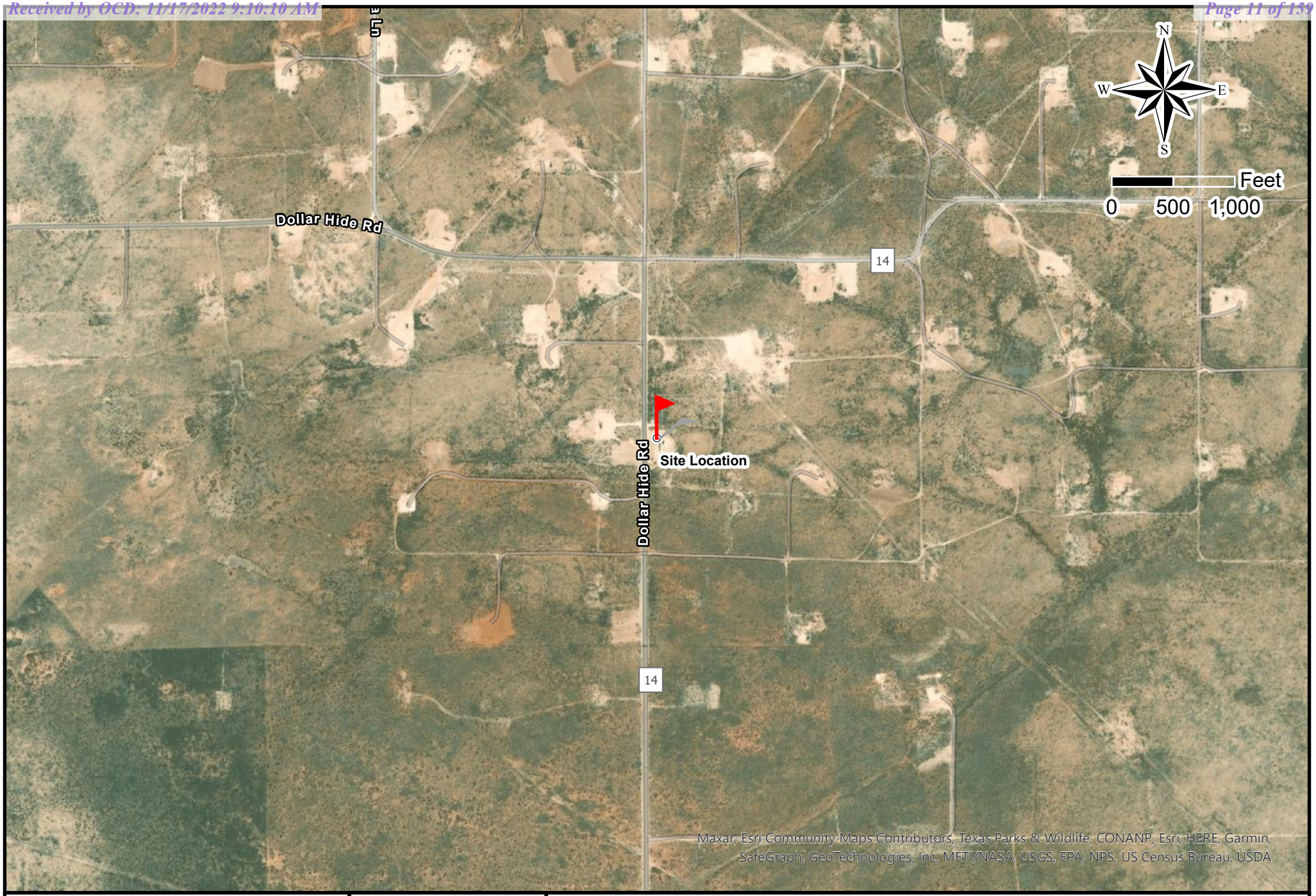
Received by OCD: 11/17/2022 9:10:10 AM

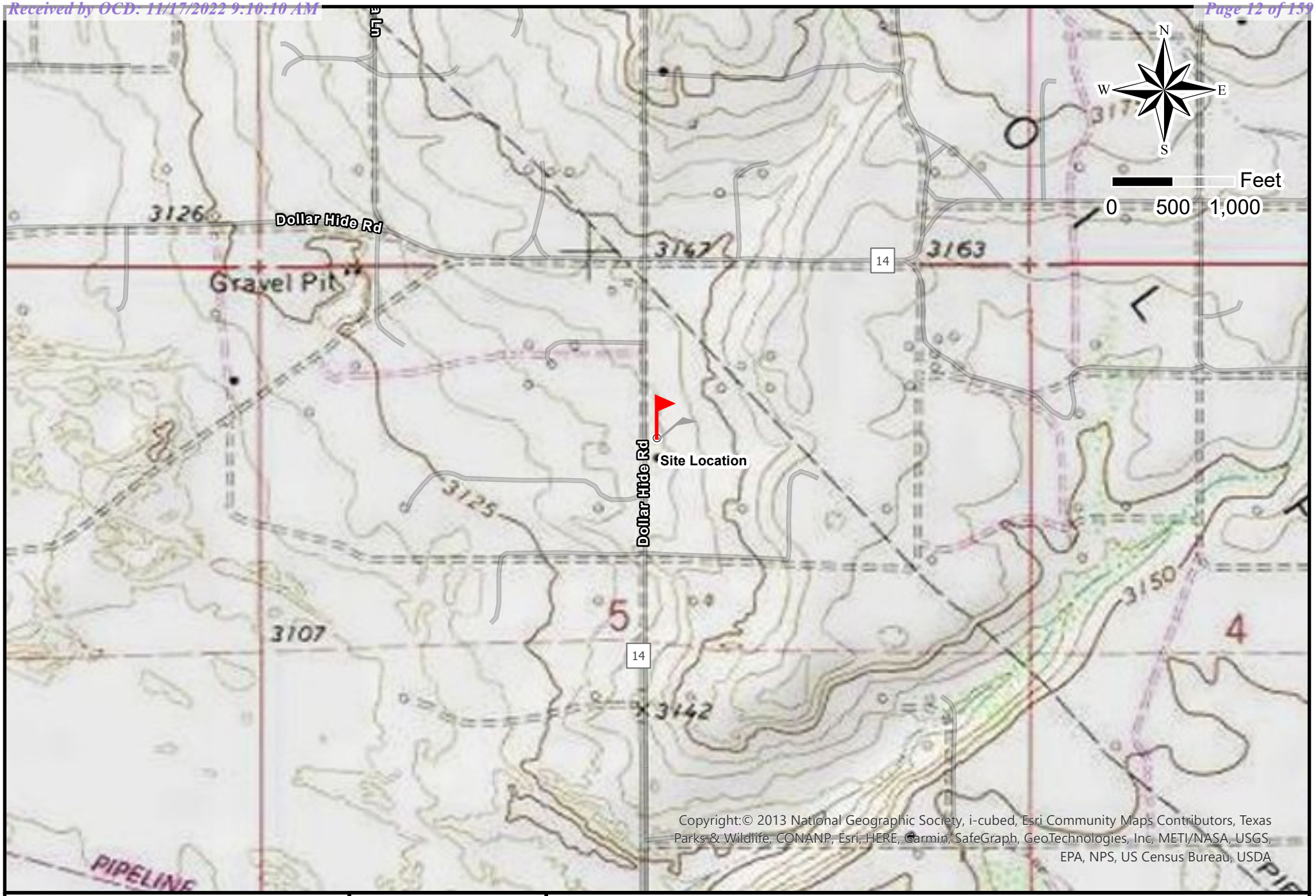


TALON LPE

Drafted: 6/14/2022
1 in = 1,000 ft
Drafted By: IJR

Scout Energy Management, LLC
Mexico J Battery
Lea County, NM
Figure 2 - Site Location Map

Released to Imaging: 1/30/2023 9:47:44 AM

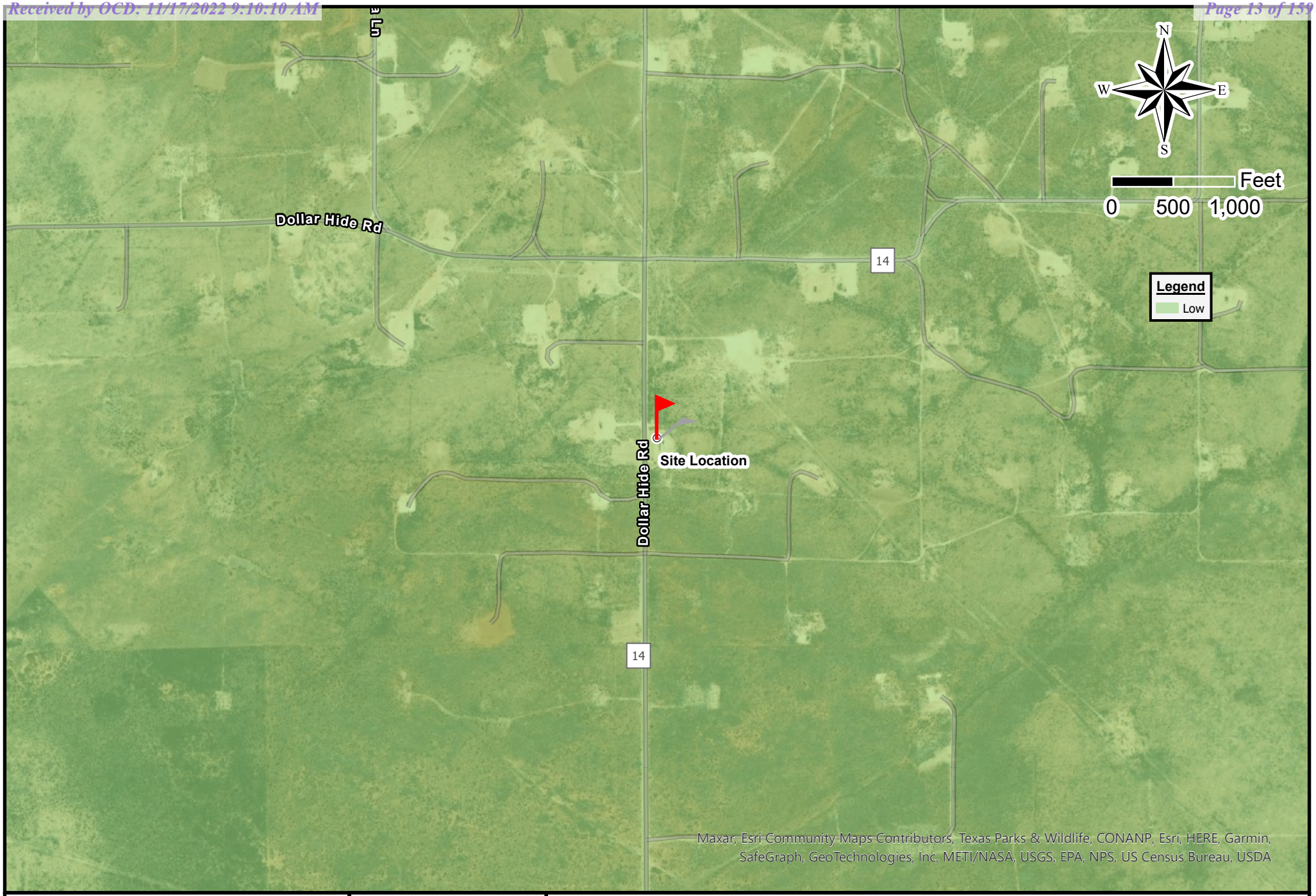


TALON LPE

Drafted: 6/14/2022
1 in = 1,000 ft
Drafted By: IJR

Scout Energy Management, LLC
Mexico J Battery
Lea County, NM
Figure 3 - Topographic Map

Received by OCD: 11/17/2022 9:10:10 AM



TALON LPE

Drafted: 6/14/2022
1 in = 1,000 ft
Drafted By: IJR

Scout Energy Management, LLC
Mexico J Battery
Lea County, NM
Figure 4 - Karst Map

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APPENDIX II

Groundwater and Soil Data

FEMA Flood Map

BORING LOG

Project No.: 702179.08.01
Weather: Clear, Temp.: 78°F
Driller: J. Tausch
Site Name: Mexico J Battery
Logger: K. Taylor
Rig Type: Geoprobe 66/78 Series
Location: Lea County, New Mexico
Field Instrument: NA
Bit Size: 4 1/4 inches
Date: 10/12/2022
Latitude: 32.163007 N
Drilling Method: Auger
Boring Number: B-1
Longitude: -103.082068 W
Sample Retrieval Method: Drill Cuttings

Time	Lab Sample Collected	Sample Interval (ft)	Sample Recovery (ft)	USCS	Composition (%)	Sample Material/Comments Include composition, color, grain size, moisture, hardness, plasticity, density	Hydrocarbon Odor	PID (ppm)
0900	☐	0-5’		SM		Fine grained silty sand, light brown, dry	None	
0905	☐	5-10’		SM		Fine grained sandy silt, reddish brown, dry	None	
0908	☐	10 - 15’		SM		Fine grained silty sand, light brown, dry	None	
0912	☐	15-40’		SM		Fine grained sandy silt, reddish brown, dry	None	
0915	☐	45-55’		SM		Medium to fine grained silty sand, reddish brown, dry	None	
	☐					TD – 55’ Groundwater not encountered		
	☐							
	☐							
	☐							
	☐							

Notes: The borehole was advanced to 55’ below ground surface (bgs). A 2-inch diameter temporary well constructed of schedule 40 PVC thread coupled to 20-feet of machine slotted well screen was installed in the open borehole. 72-hours after installation, a Solinest water level meter was utilized to determine the presence or absence of groundwater. The temporary well casing was subsequently removed and the bore hole backfilled with hole plug (bentonite chips) and hydrated.

Logger Initials: KT

New Mexico Office of the State Engineer

Point of Diversion Summary

(quarters are 1=NW 2=NE 3=SW 4=SE)
(quarters are smallest to largest) (NAD83 UTM in meters)

Well Tag	POD Number	Q64	Q16	Q4	Sec	Tws	Rng	X	Y
	CP 00514 POD1	2	2	2	05	25S	38E	681508	3560414*

Driller License: 99 **Driller Company:** O.R. MUSSELWHITE WATER WELL SE

Driller Name: MUSSELWHITE, O.R.

Drill Start Date:	05/15/1966	**Drill Finish Date:**	05/16/1966	**Plug Date:**	09/25/1979
Log File Date:	05/20/1966	**PCW Rcv Date:**	10/31/1966	**Source:**	Shallow
Pump Type:	TURBIN	**Pipe Discharge Size:**		**Estimated Yield:**	12 GPM
Casing Size:	7.00	**Depth Well:**	140 feet	**Depth Water:**	105 feet

Water Bearing Stratifications:	Top	Bottom	Description
	100	125	Shale/Mudstone/Siltstone

Casing Perforations:	Top	Bottom
	87	140

***UTM location was derived from PLSS - see Help**

The data is furnished by the NMOSE/ISC and is accepted by the recipient with the expressed understanding that the OSE/ISC make no warranties, expressed or implied, concerning the accuracy, completeness, reliability, usability, or suitability for any particular purpose of the data.

Soil Map—Lea County, New Mexico
(Scout Energy Mexico J Battery)

Map Scale: 1:394 if printed on A portrait (8.5" x 11") sheet.

N

Meters: 0 5 10 20 30

Feet: 0 15 30 60 90

Map projection: Web Mercator Corner coordinates: WGS84 Edge tics: UTM Zone 13N WGS84

Received by OCD: 11/17/2022 9:10:10 AM

Lea County, New Mexico

SR—Simona-Upton association

Map Unit Setting

National map unit symbol: dmr3
Elevation: 3,000 to 4,400 feet
Mean annual precipitation: 10 to 16 inches
Mean annual air temperature: 58 to 62 degrees F
Frost-free period: 190 to 205 days
Farmland classification: Not prime farmland

Map Unit Composition

Simona and similar soils: 50 percent
Upton and similar soils: 35 percent
Minor components: 15 percent
Estimates are based on observations, descriptions, and transects of the mapunit.

Description of Simona

Setting

Landform: Ridges
Landform position (two-dimensional): Shoulder
Landform position (three-dimensional): Rise
Down-slope shape: Convex
Across-slope shape: Linear
Parent material: Calcareous eolian deposits derived from sedimentary rock

Typical profile

A - 0 to 8 inches: gravelly fine sandy loam
Bk - 8 to 16 inches: fine sandy loam
Bkm - 16 to 26 inches: cemented material

Properties and qualities

Slope: 0 to 3 percent
Depth to restrictive feature: 7 to 20 inches to petrocalcic
Drainage class: Well drained
Runoff class: Very low
Capacity of the most limiting layer to transmit water (Ksat): Very low to moderately low (0.00 to 0.06 in/hr)
Depth to water table: More than 80 inches
Frequency of flooding: None
Frequency of ponding: None
Calcium carbonate, maximum content: 50 percent
Gypsum, maximum content: 1 percent
Maximum salinity: Nonsaline to very slightly saline (0.0 to 2.0 mmhos/cm)
Sodium adsorption ratio, maximum: 2.0
Available water supply, 0 to 60 inches: Very low (about 1.9 inches)

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Interpretive groups

Land capability classification (irrigated): None specified
Land capability classification (nonirrigated): 7s
Hydrologic Soil Group: D
Ecological site: R042XC002NM - Shallow Sandy
Hydric soil rating: No

Description of Upton

Setting

Landform: Ridges
Landform position (two-dimensional): Shoulder
Landform position (three-dimensional): Rise
Down-slope shape: Convex
Across-slope shape: Linear
Parent material: Calcareous eolian deposits derived from sedimentary rock

Typical profile

A - 0 to 8 inches: gravelly loam
Bkm - 8 to 18 inches: cemented material
BCk - 18 to 60 inches: very gravelly loam

Properties and qualities

Slope: 0 to 3 percent
Depth to restrictive feature: 7 to 20 inches to petrocalcic
Drainage class: Well drained
Runoff class: Medium
Capacity of the most limiting layer to transmit water (Ksat): Low to moderately high (0.01 to 0.60 in/hr)
Depth to water table: More than 80 inches
Frequency of flooding: None
Frequency of ponding: None
Calcium carbonate, maximum content: 75 percent
Gypsum, maximum content: 1 percent
Maximum salinity: Nonsaline to very slightly saline (0.0 to 2.0 mmhos/cm)
Sodium adsorption ratio, maximum: 2.0
Available water supply, 0 to 60 inches: Very low (about 0.9 inches)

Interpretive groups

Land capability classification (irrigated): 6e
Land capability classification (nonirrigated): 7s
Hydrologic Soil Group: D
Ecological site: R042XC025NM - Shallow
Hydric soil rating: No

Minor Components

Kimbrough

Percent of map unit: 6 percent
Ecological site: R077CY037TX - Very Shallow 16-21" PZ
Hydric soil rating: No

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Stegall

Percent of map unit: 5 percent
Ecological site: R077CY028TX - Limy Upland 16-21" PZ
Hydric soil rating: No

Slaughter

Percent of map unit: 4 percent
Ecological site: R077CY028TX - Limy Upland 16-21" PZ
Hydric soil rating: No

Data Source Information

Soil Survey Area: Lea County, New Mexico
Survey Area Data: Version 18, Sep 10, 2021

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National Flood Hazard Layer FIRMette

FEMA

103°5'16"W 32°10'2"N

103°4'38"W 32°9'32"N

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

1:6,000

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

Legend

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

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

OTHER AREAS OF FLOOD HAZARD
- 0.2% Annual Chance Flood Hazard, Areas of 1% annual chance flood with average depth less than one foot or with drainage areas of less than one square mile *Zone X*
- 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 *Zone D*

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
- B 20.2 17.5 Cross Sections with 1% Annual Chance Water Surface Elevation
- 8 Coastal Transect
- 513 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 6/14/2022 at 10:39 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.

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APPENDIX III

C-141 Forms

NMOCD Correspondence

Form C-141
Page 3

State of New Mexico
Oil Conservation Division

Incident ID	nAPP2128532809
District RP	
Facility ID	fOY1829648635
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?	> 55 (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	nAPP2128532809
District RP	
Facility ID	fOY1829648635
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: Spencer Jackson

Title: Sr Remediation Specialist

Signature:

Date: 11/14/2022

email: spencer.jackson@scoutep.com

Telephone: 972-505-3842

OCD Only

Received by: Jocelyn Harimon

Date: 11/17/2022

Form C-141
Page 5

State of New Mexico
Oil Conservation Division

Incident ID	nAPP2128532809
District RP	
Facility ID	fOY1829648635
Application ID	

Remediation Plan

Remediation Plan Checklist: ***Each of the following items must be included in the plan.***

- ☐ Detailed description of proposed remediation technique
- ☐ Scaled site map with GPS coordinates showing delineation points
- ☐ Estimated volume of material to be remediated
- ☐ Closure criteria is to Table 1 specifications subject to 19.15.29.12(C)(4) NMAC
- ☐ Proposed schedule for remediation (note if remediation plan timeline is more than 90 days OCD approval is required)

Deferral Requests Only: ***Each of the following items must be confirmed as part of any request for deferral of remediation.***

☒ Contamination must be in areas immediately under or around production equipment where remediation could cause a major facility deconstruction.

☒ Extents of contamination must be fully delineated.

☒ Contamination does not cause an imminent risk to human health, the environment, or groundwater.

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: Spencer Jackson
Title: Sr Remediation Specialist

Signature: _____
Date: 11/14/2022

email: spencer.jackson@scoutep.com
Telephone: 972-505-3842

OCD Only

Received by: Jocelyn Harimon
Date: 11/17/2022

☐ Approved ☐ Approved with Attached Conditions of Approval ☐ Denied ☐ Deferral Approved

Signature: _____
Date: _____

Form C-141
Page 6

State of New Mexico
Oil Conservation Division

Incident ID	nAPP2128532809
District RP	
Facility ID	fOY1829648635
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: Spencer Jackson

Title: Sr Remediation Specialist

Signature: _____

Date: 11/14/2022

email: spencer.jackson@scoutep.com

Telephone: 972-505-3842

OCD Only

Received by: Jocelyn Harimon

Date: 11/17/2022

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: _____

Date: _____

Printed Name: _____

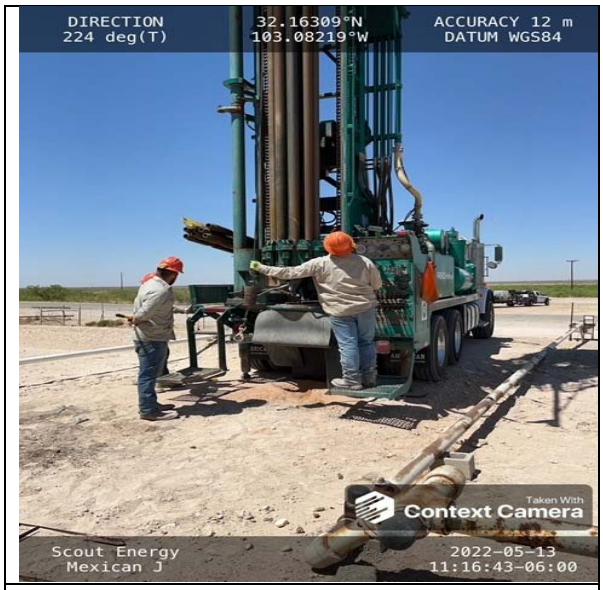
Title: _____

APPENDIX IV

Photographic Documentation

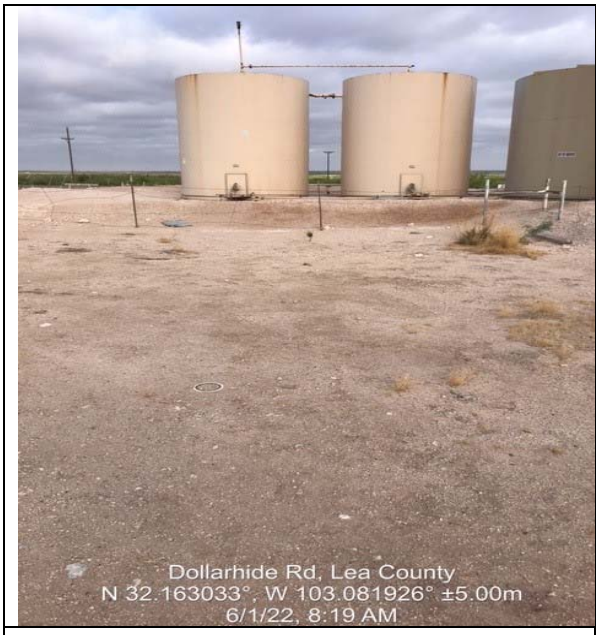
Photograph No.1 Description:

View of S-1A during the assessment.



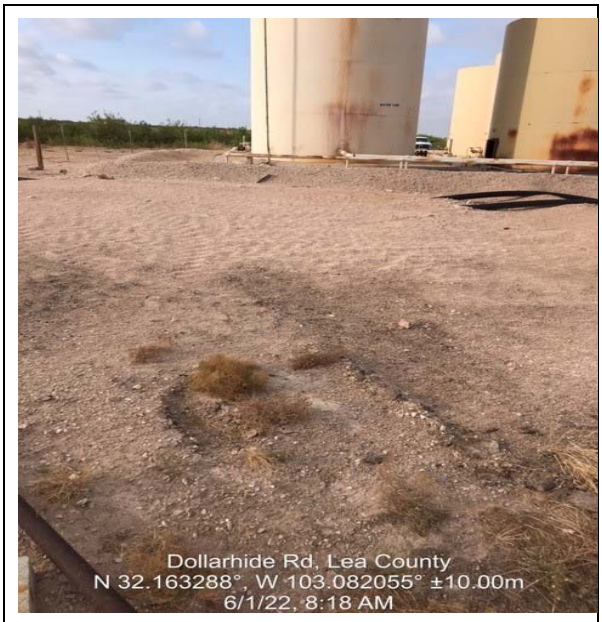
Photograph No.2 Description:

View of S-2A during the assessment.



Photograph No.3 Description:

Area of E-Comp and E-S-1 prior to surface scrape.



Photograph No.4 Description:

Area of N-Comp and N-S-1 prior to surface scrape.

Photograph No.5 Description:

Surface scrape of eastern portion of pad area.

Photograph No.6 Description:

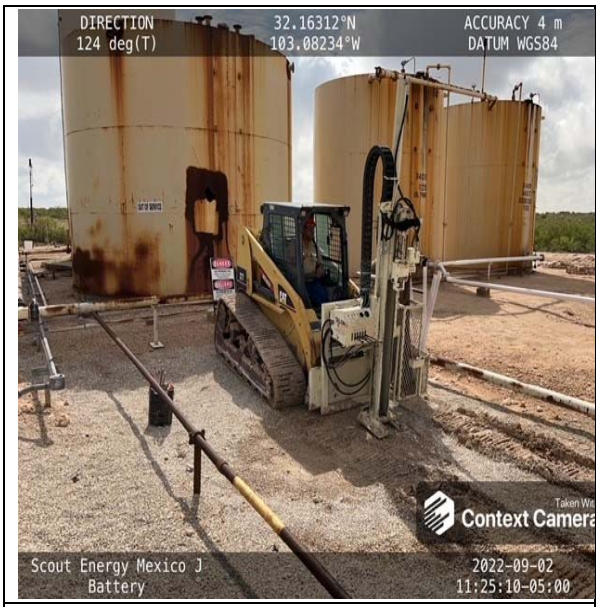
Surface scrape of northern portion of pad area.

Photograph No.7 Description:

Final view of eastern portion of pad area.

Photograph No.8 Description:

Final view of northern portion of pad area.



Photograph No.9 Description:

Geoprobe location of S-3A.

Photograph No.10 Description:

Installation of temporary well on northeastern portion of the pad location.

Photograph No.11 Description:

Gauging of temporary well after 72 hour period.

Photograph No.12 Description:

Location of temporary well on pad location.

APPENDIX V

Analytical Data

eurofins | Environment Testing America

ANALYTICAL REPORT

Eurofins Midland
1211 W. Florida Ave
Midland, TX 79701
Tel: (432)704-5440

Laboratory Job ID: 880-14793-1
Laboratory Sample Delivery Group: Lea Co. NM
Client Project/Site: Mexican J Battery

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

Attn: Kayla Taylor

JKRAMER

Authorized for release by:
5/19/2022 2:03:18 PM

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

LINKS
Review your project results through my EOL
Have a Question? Ask The Expert
Visit us at: www.eurofinsus.com/Env

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

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

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Definitions/Glossary

Client: Talon/LPE
Project/Site: Mexican J Battery

Job ID: 880-14793-1
SDG: Lea Co. NM

Qualifiers

GC VOA

Qualifier	Qualifier Description
*-	LCS and/or LCSD is outside acceptance limits, low biased.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
U	Indicates the analyte was analyzed for but not detected.

GC Semi VOA

Qualifier	Qualifier Description
B	Compound was found in the blank and sample.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
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: Mexican J Battery

Job ID: 880-14793-1
SDG: Lea Co. NM

Job ID: 880-14793-1

Laboratory: Eurofins Midland

Narrative

Job Narrative
880-14793-1

Receipt
The samples were received on 5/13/2022 3:46 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 2.8°C

GC VOA
Method 8021B: The laboratory control sample (LCS) associated with preparation batch 880-25651 and analytical batch 880-25672 was outside acceptance criteria. Re-extraction and/or re-analysis could not be performed; therefore, the data have been reported. The batch matrix spike/matrix spike duplicate (MS/MSD) was within acceptance limits and may be used to evaluate matrix performance.

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 method blank for preparation batch 880-25590 and analytical batch 880-25580 contained C6-C10 and Over C28-C36 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.

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: Mexican J Battery

Job ID: 880-14793-1
SDG: Lea Co. NM

Client Sample ID: S-1A 3'

Lab Sample ID: 880-14793-1
Matrix: Solid

Date Collected: 05/13/22 10:00
Date Received: 05/13/22 15:46
Sample Depth: 3'

Method: 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		05/16/22 15:49	05/18/22 00:40	1
Toluene	<0.000453	U	0.00199	0.000453	mg/Kg		05/16/22 15:49	05/18/22 00:40	1
Ethylbenzene	<0.000562	U	0.00199	0.000562	mg/Kg		05/16/22 15:49	05/18/22 00:40	1
m-Xylene & p-Xylene	<0.00100	U	0.00398	0.00100	mg/Kg		05/16/22 15:49	05/18/22 00:40	1
o-Xylene	**0.000420**	**J *-**	0.00199	0.000342	mg/Kg		05/16/22 15:49	05/18/22 00:40	1
Xylenes, Total	<0.00100	U	0.00398	0.00100	mg/Kg		05/16/22 15:49	05/18/22 00:40	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*105*		*70 - 130*	*05/16/22 15:49*	*05/18/22 00:40*	*1*
1,4-Difluorobenzene (Surr)	*104*		*70 - 130*	*05/16/22 15:49*	*05/18/22 00:40*	*1*

Method: 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			05/18/22 10:20	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	**58.9**		49.9	15.0	mg/Kg			05/17/22 09:43	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
C6-C10	<15.0	U	49.9	15.0	mg/Kg		05/16/22 08:41	05/16/22 17:26	1
Over C10-C28	**24.8**	**J**	49.9	15.0	mg/Kg		05/16/22 08:41	05/16/22 17:26	1
Over C28-C36	**34.1**	**J B**	49.9	15.0	mg/Kg		05/16/22 08:41	05/16/22 17:26	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*109*		*70 - 130*	*05/16/22 08:41*	*05/16/22 17:26*	*1*
o-Terphenyl	*105*		*70 - 130*	*05/16/22 08:41*	*05/16/22 17:26*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**854**		24.8	4.26	mg/Kg			05/18/22 13:24	5

Client Sample ID: S-1A 4'

Lab Sample ID: 880-14793-2
Matrix: Solid

Date Collected: 05/13/22 10:01
Date Received: 05/13/22 15:46
Sample Depth: 4'

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.000382	U	0.00198	0.000382	mg/Kg		05/16/22 15:49	05/18/22 01:01	1
Toluene	<0.000452	U	0.00198	0.000452	mg/Kg		05/16/22 15:49	05/18/22 01:01	1
Ethylbenzene	<0.000561	U	0.00198	0.000561	mg/Kg		05/16/22 15:49	05/18/22 01:01	1
m-Xylene & p-Xylene	<0.00100	U	0.00397	0.00100	mg/Kg		05/16/22 15:49	05/18/22 01:01	1
o-Xylene	**0.000439**	**J *-**	0.00198	0.000341	mg/Kg		05/16/22 15:49	05/18/22 01:01	1
Xylenes, Total	<0.00100	U	0.00397	0.00100	mg/Kg		05/16/22 15:49	05/18/22 01:01	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*101*		*70 - 130*	*05/16/22 15:49*	*05/18/22 01:01*	*1*
1,4-Difluorobenzene (Surr)	*101*		*70 - 130*	*05/16/22 15:49*	*05/18/22 01:01*	*1*

Client Sample Results

Client: Talon/LPE
Project/Site: Mexican J Battery

Job ID: 880-14793-1
SDG: Lea Co. NM

Client Sample ID: S-1A 4'

Lab Sample ID: 880-14793-2
Matrix: Solid

Date Collected: 05/13/22 10:01
Date Received: 05/13/22 15:46
Sample Depth: 4'

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00100	U	0.00397	0.00100	mg/Kg			05/18/22 10:20	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	**54.9**		50.0	15.0	mg/Kg			05/17/22 09:43	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
C6-C10	<15.0	U	50.0	15.0	mg/Kg		05/16/22 08:41	05/16/22 18:55	1
Over C10-C28	**54.9**		50.0	15.0	mg/Kg		05/16/22 08:41	05/16/22 18:55	1
Over C28-C36	<15.0	U	50.0	15.0	mg/Kg		05/16/22 08:41	05/16/22 18:55	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*122*		*70 - 130*	*05/16/22 08:41*	*05/16/22 18:55*	*1*
o-Terphenyl	*117*		*70 - 130*	*05/16/22 08:41*	*05/16/22 18:55*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**915**		5.01	0.860	mg/Kg			05/18/22 13:30	1

Client Sample ID: S-1A 5'

Lab Sample ID: 880-14793-3
Matrix: Solid

Date Collected: 05/13/22 10:02
Date Received: 05/13/22 15:46
Sample Depth: 5'

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.000384	U	0.00200	0.000384	mg/Kg		05/16/22 15:49	05/18/22 01:21	1
Toluene	<0.000455	U	0.00200	0.000455	mg/Kg		05/16/22 15:49	05/18/22 01:21	1
Ethylbenzene	<0.000564	U	0.00200	0.000564	mg/Kg		05/16/22 15:49	05/18/22 01:21	1
m-Xylene & p-Xylene	<0.00101	U	0.00399	0.00101	mg/Kg		05/16/22 15:49	05/18/22 01:21	1
o-Xylene	<0.000343	U *-	0.00200	0.000343	mg/Kg		05/16/22 15:49	05/18/22 01:21	1
Xylenes, Total	<0.00101	U	0.00399	0.00101	mg/Kg		05/16/22 15:49	05/18/22 01:21	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*100*		*70 - 130*	*05/16/22 15:49*	*05/18/22 01:21*	*1*
1,4-Difluorobenzene (Surr)	*104*		*70 - 130*	*05/16/22 15:49*	*05/18/22 01:21*	*1*

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00101	U	0.00399	0.00101	mg/Kg			05/18/22 10:20	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	**384**		49.9	15.0	mg/Kg			05/17/22 09:43	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
C6-C10	<15.0	U	49.9	15.0	mg/Kg		05/16/22 08:41	05/16/22 17:48	1
Over C10-C28	**300**		49.9	15.0	mg/Kg		05/16/22 08:41	05/16/22 17:48	1
Over C28-C36	**84.2**	**B**	49.9	15.0	mg/Kg		05/16/22 08:41	05/16/22 17:48	1

Client Sample Results

Client: Talon/LPE
Project/Site: Mexican J Battery

Job ID: 880-14793-1
SDG: Lea Co. NM

Client Sample ID: S-1A 5'

Lab Sample ID: 880-14793-3
Matrix: Solid

Date Collected: 05/13/22 10:02
Date Received: 05/13/22 15:46
Sample Depth: 5'

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	118		70 - 130	05/16/22 08:41	05/16/22 17:48	1
o-Terphenyl	105		70 - 130	05/16/22 08:41	05/16/22 17:48	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	647		4.98	0.855	mg/Kg			05/18/22 13:36	1

Client Sample ID: S-2A 4'

Lab Sample ID: 880-14793-4
Matrix: Solid

Date Collected: 05/13/22 10:20
Date Received: 05/13/22 15:46
Sample Depth: 4'

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.000385	U	0.00200	0.000385	mg/Kg		05/16/22 15:49	05/18/22 01:42	1
Toluene	0.000503	J	0.00200	0.000456	mg/Kg		05/16/22 15:49	05/18/22 01:42	1
Ethylbenzene	<0.000565	U	0.00200	0.000565	mg/Kg		05/16/22 15:49	05/18/22 01:42	1
m-Xylene & p-Xylene	<0.00101	U	0.00400	0.00101	mg/Kg		05/16/22 15:49	05/18/22 01:42	1
o-Xylene	0.000384	J *-	0.00200	0.000344	mg/Kg		05/16/22 15:49	05/18/22 01:42	1
Xylenes, Total	<0.00101	U	0.00400	0.00101	mg/Kg		05/16/22 15:49	05/18/22 01:42	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	103		70 - 130	05/16/22 15:49	05/18/22 01:42	1
1,4-Difluorobenzene (Surr)	103		70 - 130	05/16/22 15:49	05/18/22 01:42	1

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00101	U	0.00400	0.00101	mg/Kg			05/18/22 10:20	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	519		50.0	15.0	mg/Kg			05/17/22 09:43	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
C6-C10	<15.0	U	50.0	15.0	mg/Kg		05/16/22 08:41	05/16/22 18:10	1
Over C10-C28	382		50.0	15.0	mg/Kg		05/16/22 08:41	05/16/22 18:10	1
Over C28-C36	137	B	50.0	15.0	mg/Kg		05/16/22 08:41	05/16/22 18:10	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	124		70 - 130	05/16/22 08:41	05/16/22 18:10	1
o-Terphenyl	111		70 - 130	05/16/22 08:41	05/16/22 18:10	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	2530		24.8	4.25	mg/Kg			05/18/22 13:55	5

Client Sample Results

Client: Talon/LPE
Project/Site: Mexican J Battery

Job ID: 880-14793-1
SDG: Lea Co. NM

Client Sample ID: S-2A 6'

Lab Sample ID: 880-14793-5
Matrix: Solid

Date Collected: 05/13/22 10:24
Date Received: 05/13/22 15:46
Sample Depth: 6'

Method: 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		05/16/22 15:49	05/18/22 02:02	1
Toluene	<0.000457	U	0.00200	0.000457	mg/Kg		05/16/22 15:49	05/18/22 02:02	1
Ethylbenzene	<0.000566	U	0.00200	0.000566	mg/Kg		05/16/22 15:49	05/18/22 02:02	1
m-Xylene & p-Xylene	<0.00101	U	0.00401	0.00101	mg/Kg		05/16/22 15:49	05/18/22 02:02	1
o-Xylene	**0.000357**	**J *-**	0.00200	0.000345	mg/Kg		05/16/22 15:49	05/18/22 02:02	1
Xylenes, Total	<0.00101	U	0.00401	0.00101	mg/Kg		05/16/22 15:49	05/18/22 02:02	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*100*		*70 - 130*	*05/16/22 15:49*	*05/18/22 02:02*	*1*
1,4-Difluorobenzene (Surr)	*100*		*70 - 130*	*05/16/22 15:49*	*05/18/22 02:02*	*1*

Method: 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			05/18/22 10:20	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	**21.7**	**J**	49.9	15.0	mg/Kg			05/17/22 09:43	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
C6-C10	<15.0	U	49.9	15.0	mg/Kg		05/16/22 08:41	05/16/22 19:38	1
Over C10-C28	**21.7**	**J**	49.9	15.0	mg/Kg		05/16/22 08:41	05/16/22 19:38	1
Over C28-C36	<15.0	U	49.9	15.0	mg/Kg		05/16/22 08:41	05/16/22 19:38	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*121*		*70 - 130*	*05/16/22 08:41*	*05/16/22 19:38*	*1*
o-Terphenyl	*117*		*70 - 130*	*05/16/22 08:41*	*05/16/22 19:38*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**445**		4.97	0.853	mg/Kg			05/18/22 14:02	1

Client Sample ID: S-2A 8'

Lab Sample ID: 880-14793-6
Matrix: Solid

Date Collected: 05/13/22 10:25
Date Received: 05/13/22 15:46
Sample Depth: 8'

Method: 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		05/16/22 15:49	05/18/22 02:23	1
Toluene	<0.000454	U	0.00199	0.000454	mg/Kg		05/16/22 15:49	05/18/22 02:23	1
Ethylbenzene	<0.000563	U	0.00199	0.000563	mg/Kg		05/16/22 15:49	05/18/22 02:23	1
m-Xylene & p-Xylene	<0.00101	U	0.00398	0.00101	mg/Kg		05/16/22 15:49	05/18/22 02:23	1
o-Xylene	<0.000343	U *-	0.00199	0.000343	mg/Kg		05/16/22 15:49	05/18/22 02:23	1
Xylenes, Total	<0.00101	U	0.00398	0.00101	mg/Kg		05/16/22 15:49	05/18/22 02:23	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*103*		*70 - 130*	*05/16/22 15:49*	*05/18/22 02:23*	*1*
1,4-Difluorobenzene (Surr)	*101*		*70 - 130*	*05/16/22 15:49*	*05/18/22 02:23*	*1*

Client Sample Results

Client: Talon/LPE
Project/Site: Mexican J Battery

Job ID: 880-14793-1
SDG: Lea Co. NM

Client Sample ID: S-2A 8'

Lab Sample ID: 880-14793-6
Matrix: Solid

Date Collected: 05/13/22 10:25
Date Received: 05/13/22 15:46
Sample Depth: 8'

Method: 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			05/18/22 10:20	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	**62.0**		50.0	15.0	mg/Kg			05/17/22 09:43	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
C6-C10	**46.0**	**J B**	50.0	15.0	mg/Kg		05/16/22 08:41	05/16/22 16:42	1
Over C10-C28	<15.0	U	50.0	15.0	mg/Kg		05/16/22 08:41	05/16/22 16:42	1
Over C28-C36	**16.0**	**J B**	50.0	15.0	mg/Kg		05/16/22 08:41	05/16/22 16:42	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*104*		*70 - 130*	*05/16/22 08:41*	*05/16/22 16:42*	*1*
o-Terphenyl	*105*		*70 - 130*	*05/16/22 08:41*	*05/16/22 16:42*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**173**		4.99	0.857	mg/Kg			05/18/22 14:50	1

Client Sample ID: E-Composite

Lab Sample ID: 880-14793-7
Matrix: Solid

Date Collected: 05/13/22 09:00
Date Received: 05/13/22 15:46
Sample Depth: 0'

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.000382	U	0.00198	0.000382	mg/Kg		05/16/22 15:49	05/18/22 02:44	1
Toluene	<0.000452	U	0.00198	0.000452	mg/Kg		05/16/22 15:49	05/18/22 02:44	1
Ethylbenzene	<0.000561	U	0.00198	0.000561	mg/Kg		05/16/22 15:49	05/18/22 02:44	1
m-Xylene & p-Xylene	<0.00100	U	0.00397	0.00100	mg/Kg		05/16/22 15:49	05/18/22 02:44	1
o-Xylene	**0.000392**	**J *-**	0.00198	0.000341	mg/Kg		05/16/22 15:49	05/18/22 02:44	1
Xylenes, Total	<0.00100	U	0.00397	0.00100	mg/Kg		05/16/22 15:49	05/18/22 02:44	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*107*		*70 - 130*	*05/16/22 15:49*	*05/18/22 02:44*	*1*
1,4-Difluorobenzene (Surr)	*96*		*70 - 130*	*05/16/22 15:49*	*05/18/22 02:44*	*1*

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00100	U	0.00397	0.00100	mg/Kg			05/18/22 10:20	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<15.0	U	50.0	15.0	mg/Kg			05/17/22 09:43	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
C6-C10	<15.0	U	50.0	15.0	mg/Kg		05/16/22 08:41	05/16/22 18:33	1
Over C10-C28	<15.0	U	50.0	15.0	mg/Kg		05/16/22 08:41	05/16/22 18:33	1
Over C28-C36	<15.0	U	50.0	15.0	mg/Kg		05/16/22 08:41	05/16/22 18:33	1

Client Sample Results

Client: Talon/LPE
Project/Site: Mexican J Battery

Job ID: 880-14793-1
SDG: Lea Co. NM

Client Sample ID: E-Composite

Lab Sample ID: 880-14793-7
Matrix: Solid

Date Collected: 05/13/22 09:00
Date Received: 05/13/22 15:46
Sample Depth: 0'

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	111		70 - 130	05/16/22 08:41	05/16/22 18:33	1
o-Terphenyl	102		70 - 130	05/16/22 08:41	05/16/22 18:33	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	659		5.02	0.862	mg/Kg			05/18/22 14:57	1

Client Sample ID: N-Composite

Lab Sample ID: 880-14793-8
Matrix: Solid

Date Collected: 05/13/22 09:25
Date Received: 05/13/22 15:46
Sample Depth: 0'

Method: 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		05/16/22 15:49	05/18/22 03:04	1
Toluene	<0.000459	U	0.00201	0.000459	mg/Kg		05/16/22 15:49	05/18/22 03:04	1
Ethylbenzene	<0.000568	U	0.00201	0.000568	mg/Kg		05/16/22 15:49	05/18/22 03:04	1
m-Xylene & p-Xylene	<0.00102	U	0.00402	0.00102	mg/Kg		05/16/22 15:49	05/18/22 03:04	1
o-Xylene	<0.000346	U *-	0.00201	0.000346	mg/Kg		05/16/22 15:49	05/18/22 03:04	1
Xylenes, Total	<0.00102	U	0.00402	0.00102	mg/Kg		05/16/22 15:49	05/18/22 03:04	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	106		70 - 130	05/16/22 15:49	05/18/22 03:04	1
1,4-Difluorobenzene (Surr)	102		70 - 130	05/16/22 15:49	05/18/22 03:04	1

Method: 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			05/18/22 10:20	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	291		49.9	15.0	mg/Kg			05/17/22 09:43	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
C6-C10	<15.0	U	49.9	15.0	mg/Kg		05/16/22 08:41	05/16/22 19:16	1
Over C10-C28	199		49.9	15.0	mg/Kg		05/16/22 08:41	05/16/22 19:16	1
Over C28-C36	92.4	B	49.9	15.0	mg/Kg		05/16/22 08:41	05/16/22 19:16	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	105		70 - 130	05/16/22 08:41	05/16/22 19:16	1
o-Terphenyl	98		70 - 130	05/16/22 08:41	05/16/22 19:16	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	396		5.05	0.867	mg/Kg			05/18/22 15:03	1

Client Sample Results

Client: Talon/LPE
Project/Site: Mexican J Battery

Job ID: 880-14793-1
SDG: Lea Co. NM

Client Sample ID: W-Composite

Date Collected: 05/13/22 09:35
Date Received: 05/13/22 15:46
Sample Depth: 0'

Lab Sample ID: 880-14793-9

Matrix: Solid

Method: 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		05/16/22 15:49	05/18/22 04:55	1
Toluene	<0.000458	U	0.00201	0.000458	mg/Kg		05/16/22 15:49	05/18/22 04:55	1
Ethylbenzene	<0.000567	U	0.00201	0.000567	mg/Kg		05/16/22 15:49	05/18/22 04:55	1
m-Xylene & p-Xylene	<0.00101	U	0.00402	0.00101	mg/Kg		05/16/22 15:49	05/18/22 04:55	1
o-Xylene	**0.000434**	**J *-**	0.00201	0.000345	mg/Kg		05/16/22 15:49	05/18/22 04:55	1
Xylenes, Total	<0.00101	U	0.00402	0.00101	mg/Kg		05/16/22 15:49	05/18/22 04:55	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*105*		*70 - 130*	*05/16/22 15:49*	*05/18/22 04:55*	*1*
1,4-Difluorobenzene (Surr)	*99*		*70 - 130*	*05/16/22 15:49*	*05/18/22 04:55*	*1*

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00101	U	0.00402	0.00101	mg/Kg			05/18/22 10:20	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	**23.9**	**J**	49.9	15.0	mg/Kg			05/17/22 09:43	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
C6-C10	<15.0	U	49.9	15.0	mg/Kg		05/16/22 08:41	05/16/22 20:00	1
Over C10-C28	**23.9**	**J**	49.9	15.0	mg/Kg		05/16/22 08:41	05/16/22 20:00	1
Over C28-C36	<15.0	U	49.9	15.0	mg/Kg		05/16/22 08:41	05/16/22 20:00	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*116*		*70 - 130*	*05/16/22 08:41*	*05/16/22 20:00*	*1*
o-Terphenyl	*111*		*70 - 130*	*05/16/22 08:41*	*05/16/22 20:00*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**307**		4.98	0.855	mg/Kg			05/18/22 15:09	1

Surrogate Summary

Client: Talon/LPE
Project/Site: Mexican J Battery

Job ID: 880-14793-1
SDG: Lea Co. NM

Method: 8021B - Volatile Organic Compounds (GC)

Matrix: Solid **Prep Type: Total/NA**

Lab Sample ID	Client Sample ID	BFB1 (70-130)	DFBZ1 (70-130)
880-14744-A-21-C MS	Matrix Spike	101	102
880-14744-A-21-D MSD	Matrix Spike Duplicate	105	102
880-14793-1	S-1A 3'	105	104
880-14793-2	S-1A 4'	101	101
880-14793-3	S-1A 5'	100	104
880-14793-4	S-2A 4'	103	103
880-14793-5	S-2A 6'	100	100
880-14793-6	S-2A 8'	103	101
880-14793-7	E-Composite	107	96
880-14793-8	N-Composite	106	102
880-14793-9	W-Composite	105	99
LCS 880-25651/1-A	Lab Control Sample	99	103
LCSD 880-25651/2-A	Lab Control Sample Dup	95	101
MB 880-25651/5-A	Method Blank	97	99

Percent Surrogate Recovery (Acceptance Limits)

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**

Lab Sample ID	Client Sample ID	1CO1 (70-130)	OTPH1 (70-130)
880-14793-1	S-1A 3'	109	105
880-14793-2	S-1A 4'	122	117
880-14793-3	S-1A 5'	118	105
880-14793-4	S-2A 4'	124	111
880-14793-5	S-2A 6'	121	117
880-14793-6	S-2A 8'	104	105
880-14793-7	E-Composite	111	102
880-14793-8	N-Composite	105	98
880-14793-9	W-Composite	116	111
890-2307-A-1-C MS	Matrix Spike	100	88
890-2307-A-1-D MSD	Matrix Spike Duplicate	98	87
LCS 880-25590/2-A	Lab Control Sample	113	104
LCSD 880-25590/3-A	Lab Control Sample Dup	108	104
MB 880-25590/1-A	Method Blank	113	123

Percent Surrogate Recovery (Acceptance Limits)

Surrogate Legend

1CO = 1-Chlorooctane
OTPH = o-Terphenyl

QC Sample Results

Client: Talon/LPE
Project/Site: Mexican J Battery

Job ID: 880-14793-1
SDG: Lea Co. NM

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 880-25651/5-A
Matrix: Solid
Analysis Batch: 25672

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 25651

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.000385	U	0.00200	0.000385	mg/Kg		05/16/22 15:49	05/17/22 23:30	1
Toluene	<0.000456	U	0.00200	0.000456	mg/Kg		05/16/22 15:49	05/17/22 23:30	1
Ethylbenzene	<0.000565	U	0.00200	0.000565	mg/Kg		05/16/22 15:49	05/17/22 23:30	1
m-Xylene & p-Xylene	<0.00101	U	0.00400	0.00101	mg/Kg		05/16/22 15:49	05/17/22 23:30	1
o-Xylene	<0.000344	U	0.00200	0.000344	mg/Kg		05/16/22 15:49	05/17/22 23:30	1
Xylenes, Total	<0.00101	U	0.00400	0.00101	mg/Kg		05/16/22 15:49	05/17/22 23:30	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*97*		*70 - 130*	*05/16/22 15:49*	*05/17/22 23:30*	*1*
1,4-Difluorobenzene (Surr)	*99*		*70 - 130*	*05/16/22 15:49*	*05/17/22 23:30*	*1*

Lab Sample ID: LCS 880-25651/1-A
Matrix: Solid
Analysis Batch: 25672

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 25651

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	0.100	0.08852		mg/Kg		89	70 - 130
Toluene	0.100	0.08022		mg/Kg		80	70 - 130
Ethylbenzene	0.100	0.09027		mg/Kg		90	70 - 130
m-Xylene & p-Xylene	0.200	0.1609		mg/Kg		80	70 - 130
o-Xylene	0.100	0.07864		mg/Kg		79	70 - 130

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*99*		*70 - 130*
1,4-Difluorobenzene (Surr)	*103*		*70 - 130*

Lab Sample ID: LCSD 880-25651/2-A
Matrix: Solid
Analysis Batch: 25672

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 25651

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	0.100	0.07903		mg/Kg		79	70 - 130	11	35
Toluene	0.100	0.07166		mg/Kg		72	70 - 130	11	35
Ethylbenzene	0.100	0.07996		mg/Kg		80	70 - 130	12	35
m-Xylene & p-Xylene	0.200	0.1426		mg/Kg		71	70 - 130	12	35
o-Xylene	0.100	0.06940	*-	mg/Kg		69	70 - 130	12	35

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*95*		*70 - 130*
1,4-Difluorobenzene (Surr)	*101*		*70 - 130*

Lab Sample ID: 880-14744-A-21-C MS
Matrix: Solid
Analysis Batch: 25672

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 25651

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	<0.000387	U	0.101	0.09729		mg/Kg		97	70 - 130
Toluene	<0.000459	U	0.101	0.08762		mg/Kg		87	70 - 130

QC Sample Results

Client: Talon/LPE
Project/Site: Mexican J Battery

Job ID: 880-14793-1
SDG: Lea Co. NM

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

Lab Sample ID: 880-14744-A-21-C MS — **Client Sample ID: Matrix Spike**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 25672 — **Prep Batch: 25651**

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Ethylbenzene	<0.000568	U	0.101	0.09883		mg/Kg		98	70 - 130
m-Xylene & p-Xylene	<0.00102	U	0.201	0.1736		mg/Kg		86	70 - 130
o-Xylene	0.000607	J *-	0.101	0.08291		mg/Kg		82	70 - 130

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*101*		*70 - 130*
1,4-Difluorobenzene (Surr)	*102*		*70 - 130*

Lab Sample ID: 880-14744-A-21-D MSD — **Client Sample ID: Matrix Spike Duplicate**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 25672 — **Prep Batch: 25651**

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	<0.000387	U	0.100	0.09933		mg/Kg		99	70 - 130	2	35
Toluene	<0.000459	U	0.100	0.09045		mg/Kg		90	70 - 130	3	35
Ethylbenzene	<0.000568	U	0.100	0.1007		mg/Kg		101	70 - 130	2	35
m-Xylene & p-Xylene	<0.00102	U	0.200	0.1779		mg/Kg		89	70 - 130	2	35
o-Xylene	0.000607	J *-	0.100	0.08464		mg/Kg		84	70 - 130	2	35

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*105*		*70 - 130*
1,4-Difluorobenzene (Surr)	*102*		*70 - 130*

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

Lab Sample ID: MB 880-25590/1-A — **Client Sample ID: Method Blank**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 25580 — **Prep Batch: 25590**

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
C6-C10	22.34	J	50.0	15.0	mg/Kg		05/16/22 08:41	05/16/22 11:32	1
Over C10-C28	<15.0	U	50.0	15.0	mg/Kg		05/16/22 08:41	05/16/22 11:32	1
Over C28-C36	17.70	J	50.0	15.0	mg/Kg		05/16/22 08:41	05/16/22 11:32	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*113*		*70 - 130*	*05/16/22 08:41*	*05/16/22 11:32*	*1*
o-Terphenyl	*123*		*70 - 130*	*05/16/22 08:41*	*05/16/22 11:32*	*1*

Lab Sample ID: LCS 880-25590/2-A — **Client Sample ID: Lab Control Sample**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 25580 — **Prep Batch: 25590**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
C6-C10	1000	1299		mg/Kg		130	70 - 130
Over C10-C28	1000	927.4		mg/Kg		93	70 - 130

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1-Chlorooctane	*113*		*70 - 130*

QC Sample Results

Client: Talon/LPE
Project/Site: Mexican J Battery

Job ID: 880-14793-1
SDG: Lea Co. NM

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

Lab Sample ID: LCS 880-25590/2-A
Matrix: Solid
Analysis Batch: 25580

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 25590

Surrogate	LCS %Recovery	LCS Qualifier	Limits
o-Terphenyl	104		70 - 130

Lab Sample ID: LCSD 880-25590/3-A
Matrix: Solid
Analysis Batch: 25580

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 25590

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
C6-C10			1000	1165		mg/Kg		117	70 - 130	11	20
Over C10-C28			1000	884.5		mg/Kg		88	70 - 130	5	20

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
1-Chlorooctane	108		70 - 130
o-Terphenyl	104		70 - 130

Lab Sample ID: 890-2307-A-1-C MS
Matrix: Solid
Analysis Batch: 25580

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 25590

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
C6-C10	41.4	J B	1000	1269		mg/Kg		123	70 - 130		
Over C10-C28	<15.0	U	1000	903.5		mg/Kg		90	70 - 130		

Surrogate	MS %Recovery	MS Qualifier	Limits
1-Chlorooctane	100		70 - 130
o-Terphenyl	88		70 - 130

Lab Sample ID: 890-2307-A-1-D MSD
Matrix: Solid
Analysis Batch: 25580

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA
Prep Batch: 25590

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
C6-C10	41.4	J B	998	1250		mg/Kg		121	70 - 130	2	20
Over C10-C28	<15.0	U	998	948.0		mg/Kg		95	70 - 130	5	20

Surrogate	MSD %Recovery	MSD Qualifier	Limits
1-Chlorooctane	98		70 - 130
o-Terphenyl	87		70 - 130

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-25612/1-A
Matrix: Solid
Analysis Batch: 25728

Client Sample ID: Method Blank
Prep Type: Soluble

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<0.858	U	5.00	0.858	mg/Kg			05/18/22 12:39	1

QC Sample Results

Client: Talon/LPE
Project/Site: Mexican J Battery

Job ID: 880-14793-1
SDG: Lea Co. NM

Method: 300.0 - Anions, Ion Chromatography (Continued)

Lab Sample ID: LCS 880-25612/2-A — **Client Sample ID: Lab Control Sample**
Matrix: Solid — **Prep Type: Soluble**
Analysis Batch: 25728

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Chloride			250	257.7		mg/Kg		103	90 - 110		

Lab Sample ID: LCSD 880-25612/3-A — **Client Sample ID: Lab Control Sample Dup**
Matrix: Solid — **Prep Type: Soluble**
Analysis Batch: 25728

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride			250	258.8		mg/Kg		104	90 - 110	0	20

Lab Sample ID: 880-14793-9 MS — **Client Sample ID: W-Composite**
Matrix: Solid — **Prep Type: Soluble**
Analysis Batch: 25728

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Chloride	307		249	568.3		mg/Kg		105	90 - 110		

Lab Sample ID: 880-14793-9 MSD — **Client Sample ID: W-Composite**
Matrix: Solid — **Prep Type: Soluble**
Analysis Batch: 25728

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	307		249	569.2		mg/Kg		105	90 - 110	0	20

QC Association Summary

Client: Talon/LPE
Project/Site: Mexican J Battery

Job ID: 880-14793-1
SDG: Lea Co. NM

GC VOA

Prep Batch: 25651

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-14793-1	S-1A 3'	Total/NA	Solid	5035	
880-14793-2	S-1A 4'	Total/NA	Solid	5035	
880-14793-3	S-1A 5'	Total/NA	Solid	5035	
880-14793-4	S-2A 4'	Total/NA	Solid	5035	
880-14793-5	S-2A 6'	Total/NA	Solid	5035	
880-14793-6	S-2A 8'	Total/NA	Solid	5035	
880-14793-7	E-Composite	Total/NA	Solid	5035	
880-14793-8	N-Composite	Total/NA	Solid	5035	
880-14793-9	W-Composite	Total/NA	Solid	5035	
MB 880-25651/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-25651/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-25651/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
880-14744-A-21-C MS	Matrix Spike	Total/NA	Solid	5035	
880-14744-A-21-D MSD	Matrix Spike Duplicate	Total/NA	Solid	5035	

Analysis Batch: 25672

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-14793-1	S-1A 3'	Total/NA	Solid	8021B	25651
880-14793-2	S-1A 4'	Total/NA	Solid	8021B	25651
880-14793-3	S-1A 5'	Total/NA	Solid	8021B	25651
880-14793-4	S-2A 4'	Total/NA	Solid	8021B	25651
880-14793-5	S-2A 6'	Total/NA	Solid	8021B	25651
880-14793-6	S-2A 8'	Total/NA	Solid	8021B	25651
880-14793-7	E-Composite	Total/NA	Solid	8021B	25651
880-14793-8	N-Composite	Total/NA	Solid	8021B	25651
880-14793-9	W-Composite	Total/NA	Solid	8021B	25651
MB 880-25651/5-A	Method Blank	Total/NA	Solid	8021B	25651
LCS 880-25651/1-A	Lab Control Sample	Total/NA	Solid	8021B	25651
LCSD 880-25651/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	25651
880-14744-A-21-C MS	Matrix Spike	Total/NA	Solid	8021B	25651
880-14744-A-21-D MSD	Matrix Spike Duplicate	Total/NA	Solid	8021B	25651

Analysis Batch: 25811

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-14793-1	S-1A 3'	Total/NA	Solid	Total BTEX	
880-14793-2	S-1A 4'	Total/NA	Solid	Total BTEX	
880-14793-3	S-1A 5'	Total/NA	Solid	Total BTEX	
880-14793-4	S-2A 4'	Total/NA	Solid	Total BTEX	
880-14793-5	S-2A 6'	Total/NA	Solid	Total BTEX	
880-14793-6	S-2A 8'	Total/NA	Solid	Total BTEX	
880-14793-7	E-Composite	Total/NA	Solid	Total BTEX	
880-14793-8	N-Composite	Total/NA	Solid	Total BTEX	
880-14793-9	W-Composite	Total/NA	Solid	Total BTEX	

GC Semi VOA

Analysis Batch: 25580

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-14793-1	S-1A 3'	Total/NA	Solid	8015B NM	25590
880-14793-2	S-1A 4'	Total/NA	Solid	8015B NM	25590
880-14793-3	S-1A 5'	Total/NA	Solid	8015B NM	25590

QC Association Summary

Client: Talon/LPE
Project/Site: Mexican J Battery

Job ID: 880-14793-1
SDG: Lea Co. NM

GC Semi VOA (Continued)

Analysis Batch: 25580 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-14793-4	S-2A 4'	Total/NA	Solid	8015B NM	25590
880-14793-5	S-2A 6'	Total/NA	Solid	8015B NM	25590
880-14793-6	S-2A 8'	Total/NA	Solid	8015B NM	25590
880-14793-7	E-Composite	Total/NA	Solid	8015B NM	25590
880-14793-8	N-Composite	Total/NA	Solid	8015B NM	25590
880-14793-9	W-Composite	Total/NA	Solid	8015B NM	25590
MB 880-25590/1-A	Method Blank	Total/NA	Solid	8015B NM	25590
LCS 880-25590/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	25590
LCSD 880-25590/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	25590
890-2307-A-1-C MS	Matrix Spike	Total/NA	Solid	8015B NM	25590
890-2307-A-1-D MSD	Matrix Spike Duplicate	Total/NA	Solid	8015B NM	25590

Prep Batch: 25590

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-14793-1	S-1A 3'	Total/NA	Solid	8015NM Prep	
880-14793-2	S-1A 4'	Total/NA	Solid	8015NM Prep	
880-14793-3	S-1A 5'	Total/NA	Solid	8015NM Prep	
880-14793-4	S-2A 4'	Total/NA	Solid	8015NM Prep	
880-14793-5	S-2A 6'	Total/NA	Solid	8015NM Prep	
880-14793-6	S-2A 8'	Total/NA	Solid	8015NM Prep	
880-14793-7	E-Composite	Total/NA	Solid	8015NM Prep	
880-14793-8	N-Composite	Total/NA	Solid	8015NM Prep	
880-14793-9	W-Composite	Total/NA	Solid	8015NM Prep	
MB 880-25590/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-25590/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-25590/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
890-2307-A-1-C MS	Matrix Spike	Total/NA	Solid	8015NM Prep	
890-2307-A-1-D MSD	Matrix Spike Duplicate	Total/NA	Solid	8015NM Prep	

Analysis Batch: 25683

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-14793-1	S-1A 3'	Total/NA	Solid	8015 NM	
880-14793-2	S-1A 4'	Total/NA	Solid	8015 NM	
880-14793-3	S-1A 5'	Total/NA	Solid	8015 NM	
880-14793-4	S-2A 4'	Total/NA	Solid	8015 NM	
880-14793-5	S-2A 6'	Total/NA	Solid	8015 NM	
880-14793-6	S-2A 8'	Total/NA	Solid	8015 NM	
880-14793-7	E-Composite	Total/NA	Solid	8015 NM	
880-14793-8	N-Composite	Total/NA	Solid	8015 NM	
880-14793-9	W-Composite	Total/NA	Solid	8015 NM	

HPLC/IC

Leach Batch: 25612

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-14793-1	S-1A 3'	Soluble	Solid	DI Leach	
880-14793-2	S-1A 4'	Soluble	Solid	DI Leach	
880-14793-3	S-1A 5'	Soluble	Solid	DI Leach	
880-14793-4	S-2A 4'	Soluble	Solid	DI Leach	
880-14793-5	S-2A 6'	Soluble	Solid	DI Leach	
880-14793-6	S-2A 8'	Soluble	Solid	DI Leach	

QC Association Summary

Client: Talon/LPE
Project/Site: Mexican J Battery

Job ID: 880-14793-1
SDG: Lea Co. NM

HPLC/IC (Continued)

Leach Batch: 25612 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-14793-7	E-Composite	Soluble	Solid	DI Leach	
880-14793-8	N-Composite	Soluble	Solid	DI Leach	
880-14793-9	W-Composite	Soluble	Solid	DI Leach	
MB 880-25612/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-25612/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-25612/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
880-14793-9 MS	W-Composite	Soluble	Solid	DI Leach	
880-14793-9 MSD	W-Composite	Soluble	Solid	DI Leach	

Analysis Batch: 25728

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-14793-1	S-1A 3'	Soluble	Solid	300.0	25612
880-14793-2	S-1A 4'	Soluble	Solid	300.0	25612
880-14793-3	S-1A 5'	Soluble	Solid	300.0	25612
880-14793-4	S-2A 4'	Soluble	Solid	300.0	25612
880-14793-5	S-2A 6'	Soluble	Solid	300.0	25612
880-14793-6	S-2A 8'	Soluble	Solid	300.0	25612
880-14793-7	E-Composite	Soluble	Solid	300.0	25612
880-14793-8	N-Composite	Soluble	Solid	300.0	25612
880-14793-9	W-Composite	Soluble	Solid	300.0	25612
MB 880-25612/1-A	Method Blank	Soluble	Solid	300.0	25612
LCS 880-25612/2-A	Lab Control Sample	Soluble	Solid	300.0	25612
LCSD 880-25612/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	25612
880-14793-9 MS	W-Composite	Soluble	Solid	300.0	25612
880-14793-9 MSD	W-Composite	Soluble	Solid	300.0	25612

Lab Chronicle

Client: Talon/LPE
Project/Site: Mexican J Battery

Job ID: 880-14793-1
SDG: Lea Co. NM

Client Sample ID: S-1A 3'

Lab Sample ID: 880-14793-1
Matrix: Solid

Date Collected: 05/13/22 10:00
Date Received: 05/13/22 15:46

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	25651	05/16/22 15:49	MR	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	25672	05/18/22 00:40	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			25811	05/18/22 10:20	SM	XEN MID
Total/NA	Analysis	8015 NM		1			25683	05/17/22 09:43	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	25590	05/16/22 08:41	DM	XEN MID
Total/NA	Analysis	8015B NM		1			25580	05/16/22 17:26	AJ	XEN MID
Soluble	Leach	DI Leach			5.04 g	50 mL	25612	05/16/22 10:49	CH	XEN MID
Soluble	Analysis	300.0		5			25728	05/18/22 13:24	CH	XEN MID

Client Sample ID: S-1A 4'

Lab Sample ID: 880-14793-2
Matrix: Solid

Date Collected: 05/13/22 10:01
Date Received: 05/13/22 15:46

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.04 g	5 mL	25651	05/16/22 15:49	MR	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	25672	05/18/22 01:01	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			25811	05/18/22 10:20	SM	XEN MID
Total/NA	Analysis	8015 NM		1			25683	05/17/22 09:43	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	25590	05/16/22 08:41	DM	XEN MID
Total/NA	Analysis	8015B NM		1			25580	05/16/22 18:55	AJ	XEN MID
Soluble	Leach	DI Leach			4.99 g	50 mL	25612	05/16/22 10:49	CH	XEN MID
Soluble	Analysis	300.0		1			25728	05/18/22 13:30	CH	XEN MID

Client Sample ID: S-1A 5'

Lab Sample ID: 880-14793-3
Matrix: Solid

Date Collected: 05/13/22 10:02
Date Received: 05/13/22 15:46

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.01 g	5 mL	25651	05/16/22 15:49	MR	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	25672	05/18/22 01:21	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			25811	05/18/22 10:20	SM	XEN MID
Total/NA	Analysis	8015 NM		1			25683	05/17/22 09:43	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	25590	05/16/22 08:41	DM	XEN MID
Total/NA	Analysis	8015B NM		1			25580	05/16/22 17:48	AJ	XEN MID
Soluble	Leach	DI Leach			5.02 g	50 mL	25612	05/16/22 10:49	CH	XEN MID
Soluble	Analysis	300.0		1			25728	05/18/22 13:36	CH	XEN MID

Client Sample ID: S-2A 4'

Lab Sample ID: 880-14793-4
Matrix: Solid

Date Collected: 05/13/22 10:20
Date Received: 05/13/22 15:46

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	25651	05/16/22 15:49	MR	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	25672	05/18/22 01:42	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			25811	05/18/22 10:20	SM	XEN MID

Lab Chronicle

Client: Talon/LPE
Project/Site: Mexican J Battery

Job ID: 880-14793-1
SDG: Lea Co. NM

Client Sample ID: S-2A 4'

Lab Sample ID: 880-14793-4
Date Collected: 05/13/22 10:20
Matrix: Solid
Date Received: 05/13/22 15:46

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			25683	05/17/22 09:43	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	25590	05/16/22 08:41	DM	XEN MID
Total/NA	Analysis	8015B NM		1			25580	05/16/22 18:10	AJ	XEN MID
Soluble	Leach	DI Leach			5.05 g	50 mL	25612	05/16/22 10:49	CH	XEN MID
Soluble	Analysis	300.0		5			25728	05/18/22 13:55	CH	XEN MID

Client Sample ID: S-2A 6'

Lab Sample ID: 880-14793-5
Date Collected: 05/13/22 10:24
Matrix: Solid
Date Received: 05/13/22 15:46

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	25651	05/16/22 15:49	MR	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	25672	05/18/22 02:02	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			25811	05/18/22 10:20	SM	XEN MID
Total/NA	Analysis	8015 NM		1			25683	05/17/22 09:43	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	25590	05/16/22 08:41	DM	XEN MID
Total/NA	Analysis	8015B NM		1			25580	05/16/22 19:38	AJ	XEN MID
Soluble	Leach	DI Leach			5.03 g	50 mL	25612	05/16/22 10:49	CH	XEN MID
Soluble	Analysis	300.0		1			25728	05/18/22 14:02	CH	XEN MID

Client Sample ID: S-2A 8'

Lab Sample ID: 880-14793-6
Date Collected: 05/13/22 10:25
Matrix: Solid
Date Received: 05/13/22 15:46

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	25651	05/16/22 15:49	MR	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	25672	05/18/22 02:23	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			25811	05/18/22 10:20	SM	XEN MID
Total/NA	Analysis	8015 NM		1			25683	05/17/22 09:43	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	25590	05/16/22 08:41	DM	XEN MID
Total/NA	Analysis	8015B NM		1			25580	05/16/22 16:42	AJ	XEN MID
Soluble	Leach	DI Leach			5.01 g	50 mL	25612	05/16/22 10:49	CH	XEN MID
Soluble	Analysis	300.0		1			25728	05/18/22 14:50	CH	XEN MID

Client Sample ID: E-Composite

Lab Sample ID: 880-14793-7
Date Collected: 05/13/22 09:00
Matrix: Solid
Date Received: 05/13/22 15:46

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.04 g	5 mL	25651	05/16/22 15:49	MR	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	25672	05/18/22 02:44	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			25811	05/18/22 10:20	SM	XEN MID
Total/NA	Analysis	8015 NM		1			25683	05/17/22 09:43	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	25590	05/16/22 08:41	DM	XEN MID
Total/NA	Analysis	8015B NM		1			25580	05/16/22 18:33	AJ	XEN MID

Lab Chronicle

Client: Talon/LPE
Project/Site: Mexican J Battery

Job ID: 880-14793-1
SDG: Lea Co. NM

Client Sample ID: E-Composite
Lab Sample ID: 880-14793-7
Date Collected: 05/13/22 09:00
Matrix: Solid
Date Received: 05/13/22 15:46

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			4.98 g	50 mL	25612	05/16/22 10:49	CH	XEN MID
Soluble	Analysis	300.0		1			25728	05/18/22 14:57	CH	XEN MID

Client Sample ID: N-Composite
Lab Sample ID: 880-14793-8
Date Collected: 05/13/22 09:25
Matrix: Solid
Date Received: 05/13/22 15:46

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	25651	05/16/22 15:49	MR	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	25672	05/18/22 03:04	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			25811	05/18/22 10:20	SM	XEN MID
Total/NA	Analysis	8015 NM		1			25683	05/17/22 09:43	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	25590	05/16/22 08:41	DM	XEN MID
Total/NA	Analysis	8015B NM		1			25580	05/16/22 19:16	AJ	XEN MID
Soluble	Leach	DI Leach			4.95 g	50 mL	25612	05/16/22 10:49	CH	XEN MID
Soluble	Analysis	300.0		1			25728	05/18/22 15:03	CH	XEN MID

Client Sample ID: W-Composite
Lab Sample ID: 880-14793-9
Date Collected: 05/13/22 09:35
Matrix: Solid
Date Received: 05/13/22 15:46

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.98 g	5 mL	25651	05/16/22 15:49	MR	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	25672	05/18/22 04:55	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			25811	05/18/22 10:20	SM	XEN MID
Total/NA	Analysis	8015 NM		1			25683	05/17/22 09:43	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	25590	05/16/22 08:41	DM	XEN MID
Total/NA	Analysis	8015B NM		1			25580	05/16/22 20:00	AJ	XEN MID
Soluble	Leach	DI Leach			5.02 g	50 mL	25612	05/16/22 10:49	CH	XEN MID
Soluble	Analysis	300.0		1			25728	05/18/22 15:09	CH	XEN MID

Laboratory References:

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

Accreditation/Certification Summary

Client: Talon/LPE
Project/Site: Mexican J Battery

Job ID: 880-14793-1
SDG: Lea Co. NM

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	T104704400-21-22	06-30-22

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: Mexican J Battery

Job ID: 880-14793-1
SDG: Lea Co. NM

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

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

Sample Summary

Client: Talon/LPE
Project/Site: Mexican J Battery

Job ID: 880-14793-1
SDG: Lea Co. NM

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Depth
880-14793-1	S-1A 3'	Solid	05/13/22 10:00	05/13/22 15:46	3'
880-14793-2	S-1A 4'	Solid	05/13/22 10:01	05/13/22 15:46	4'
880-14793-3	S-1A 5'	Solid	05/13/22 10:02	05/13/22 15:46	5'
880-14793-4	S-2A 4'	Solid	05/13/22 10:20	05/13/22 15:46	4'
880-14793-5	S-2A 6'	Solid	05/13/22 10:24	05/13/22 15:46	6'
880-14793-6	S-2A 8'	Solid	05/13/22 10:25	05/13/22 15:46	8'
880-14793-7	E-Composite	Solid	05/13/22 09:00	05/13/22 15:46	0'
880-14793-8	N-Composite	Solid	05/13/22 09:25	05/13/22 15:46	0'
880-14793-9	W-Composite	Solid	05/13/22 09:35	05/13/22 15:46	0'

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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: 14793

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Project Manager:	Kayla Taylor	Bill to: (if different)	Aaron Hickert
Company Name:	Talon LPE	Company Name:	Scout Energy
Address:		Address:	13800 Montfort Dr
City, State ZIP:	Ktaylor@talonlpe.com	City, State ZIP:	Dallas TX 75240
Phone:	432-210-5443	Email	ahickert@scoutep.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:	Mexican J Battery	Turn Around	
Project Number:		☒ Routine ☐ Rush	
Project Location:	Lea Co NM	Due Date:	
Sampler's Name:	K. Taylor	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:	IR8
Cooler Custody Seals:	Yes No (N/A)	Correction Factor:	.2
Sample Custody Seals:	Yes No (N/A)	Temperature Reading:	3.0
Total Containers:		Corrected Temperature:	2.8

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	

ANALYSIS REQUEST

Sample Identification	Matrix	Date Sampled	Time Sampled	Depth	Grab/ Comp	# of Cont	TPH 8015 M	BTEX 8021B	Chlorides 300.0	Sample Comments
S-1A 3'	S	5-13-22	1000	3'	G	1	X	X	X	4oz
S-1A 4'	S	5-13-22	1001	4'	G	1	X	X	X	
S-1A 5'	S	5-13-22	1002	5'	G	1	X	X	X	
S-2A 4'	S	5-13-22	1020	4'	G	1	X	X	X	
S-2A 6'	S	5-13-22	1024	6'	G	1	X	X	X	
S-2A 8'	S	5-13-22	1025	8'	G	1	X	X	X	
E-Composite	S	5-13-22	0900	0'	C	1	X	X	X	
N-Composite	S	5-13-22	0925	0'	C	1	X	X	X	
W-Composite	S	5-13-22	0935	0'	C	1	X	X	X	

880-14793 Chain of Custody

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

Notice: Signature of this document and relinquishment of samples constitutes a valid purchase order from client company to Eurofins Xenco, its affiliates and subcontractors. It assigns standard terms and conditions of service. Eurofins Xenco will be liable only for the cost of samples and shall not assume any responsibility for any losses or expenses incurred by the client if such losses are due to circumstances beyond the control of Eurofins Xenco. A minimum charge of $85.00 will be applied to each project and a charge of $5 for each sample submitted to Eurofins Xenco, but not analyzed. These terms will be enforced unless previously negotiated.

Relinquished by: (Signature)	Received by: (Signature)	Date/Time	Relinquished by: (Signature)	Received by: (Signature)	Date/Time
1 Kayla Taylor	[signature]	5/13/22 1546	2		
3			4		
5			6		

Revised Date: 08/25/2020 Rev. 2020.2

5/19/2022

Received by OCD: 11/17/2022 9:10:10 AM

Released to Imaging: 1/30/2023 9:47:44 AM

Login Sample Receipt Checklist

Client: Talon/LPE

Job Number: 880-14793-1
SDG Number: Lea Co. NM

Login Number: 14793
List Number: 1
Creator: Rodriguez, Leticia

List Source: Eurofins Midland

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	

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ANALYTICAL REPORT

Eurofins Midland
1211 W. Florida Ave
Midland, TX 79701
Tel: (432)704-5440

Laboratory Job ID: 880-15018-1
Laboratory Sample Delivery Group: Lea Co. NM
Client Project/Site: Mexican J Battery

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

Attn: Kayla Taylor

JKramer

Authorized for release by:
5/24/2022 11:14:31 AM

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

LINKS

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

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

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Definitions/Glossary

Client: Talon/LPE
Project/Site: Mexican J Battery

Job ID: 880-15018-1
SDG: Lea Co. NM

Qualifiers

GC VOA

Qualifier	Qualifier Description
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
U	Indicates the analyte was analyzed for but not detected.

GC Semi VOA

Qualifier	Qualifier Description
*-	LCS and/or LCSD is outside acceptance limits, low biased.
B	Compound was found in the blank and sample.
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
F1	MS and/or MSD recovery exceeds control limits.
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: Mexican J Battery

Job ID: 880-15018-1
SDG: Lea Co. NM

Job ID: 880-15018-1

Laboratory: Eurofins Midland

Narrative

Job Narrative
880-15018-1

Receipt
The samples were received on 5/20/2022 2:54 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 1.2°C

GC VOA
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 method blank for preparation batch 880-25983 and analytical batch 880-25940 contained Diesel Range Organics (Over C10-C28) 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 laboratory control sample (LCS) associated with preparation batch 880-25983 and analytical batch 880-25940 was outside acceptance criteria. Re-extraction and/or re-analysis could not be performed; therefore, the data have been reported. The batch matrix spike/matrix spike duplicate (MS/MSD) was within acceptance limits and may be used to evaluate matrix performance.

Method 8015MOD_NM: Surrogate recovery for the following samples were outside control limits: S-1A 6' (880-15018-1) and S-1A 10' (880-15018-3). Evidence of matrix interferences is not obvious.

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

HPLC/IC
Method 300_ORGFM_28D: The matrix spike / matrix spike duplicate (MS/MSD) recoveries and precision for preparation batch 880-25822 and analytical batch 880-26073 were outside control limits. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample / laboratory sample control duplicate (LCS/LCSD) precision was within acceptance limits.

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: Mexican J Battery

Job ID: 880-15018-1
SDG: Lea Co. NM

Client Sample ID: S-1A 6'

Lab Sample ID: 880-15018-1
Matrix: Solid

Date Collected: 05/13/22 09:57
Date Received: 05/20/22 14:54
Sample Depth: 6'

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.0194	U	0.101	0.0194	mg/Kg		05/21/22 14:33	05/21/22 20:36	50
Toluene	<0.0230	U	0.101	0.0230	mg/Kg		05/21/22 14:33	05/21/22 20:36	50
Ethylbenzene	<0.0285	U	0.101	0.0285	mg/Kg		05/21/22 14:33	05/21/22 20:36	50
m-Xylene & p-Xylene	**0.0834**	**J**	0.202	0.0510	mg/Kg		05/21/22 14:33	05/21/22 20:36	50
o-Xylene	**0.0398**	**J**	0.101	0.0174	mg/Kg		05/21/22 14:33	05/21/22 20:36	50
Xylenes, Total	**0.123**	**J**	0.202	0.0510	mg/Kg		05/21/22 14:33	05/21/22 20:36	50

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*115*		*70 - 130*	*05/21/22 14:33*	*05/21/22 20:36*	*50*
1,4-Difluorobenzene (Surr)	*96*		*70 - 130*	*05/21/22 14:33*	*05/21/22 20:36*	*50*

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	**0.123**	**J**	0.202	0.0510	mg/Kg			05/23/22 11:13	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	**314**		49.9	15.0	mg/Kg			05/23/22 09:14	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	**26.1**	**J *-**	49.9	15.0	mg/Kg		05/20/22 16:00	05/21/22 05:45	1
Diesel Range Organics (Over C10-C28)	**288**	**B**	49.9	15.0	mg/Kg		05/20/22 16:00	05/21/22 05:45	1
Oil Range Organics (Over C28-C36)	<15.0	U	49.9	15.0	mg/Kg		05/20/22 16:00	05/21/22 05:45	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*126*		*70 - 130*	*05/20/22 16:00*	*05/21/22 05:45*	*1*
o-Terphenyl	*133*	*S1+*	*70 - 130*	*05/20/22 16:00*	*05/21/22 05:45*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**371**		5.00	0.858	mg/Kg			05/24/22 02:39	1

Client Sample ID: S-1A 8'

Lab Sample ID: 880-15018-2
Matrix: Solid

Date Collected: 05/13/22 09:58
Date Received: 05/20/22 14:54
Sample Depth: 8'

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.0193	U	0.100	0.0193	mg/Kg		05/21/22 14:33	05/21/22 20:57	50
Toluene	<0.0228	U	0.100	0.0228	mg/Kg		05/21/22 14:33	05/21/22 20:57	50
Ethylbenzene	<0.0283	U	0.100	0.0283	mg/Kg		05/21/22 14:33	05/21/22 20:57	50
m-Xylene & p-Xylene	<0.0506	U	0.200	0.0506	mg/Kg		05/21/22 14:33	05/21/22 20:57	50
o-Xylene	<0.0172	U	0.100	0.0172	mg/Kg		05/21/22 14:33	05/21/22 20:57	50
Xylenes, Total	<0.0506	U	0.200	0.0506	mg/Kg		05/21/22 14:33	05/21/22 20:57	50

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*111*		*70 - 130*	*05/21/22 14:33*	*05/21/22 20:57*	*50*

Client Sample Results

Client: Talon/LPE
Project/Site: Mexican J Battery

Job ID: 880-15018-1
SDG: Lea Co. NM

Client Sample ID: S-1A 8'

Lab Sample ID: 880-15018-2
Matrix: Solid

Date Collected: 05/13/22 09:58
Date Received: 05/20/22 14:54
Sample Depth: 8'

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

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,4-Difluorobenzene (Surr)	100		70 - 130	05/21/22 14:33	05/21/22 20:57	50

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.0506	U	0.200	0.0506	mg/Kg			05/23/22 11:13	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	**149**		50.0	15.0	mg/Kg			05/23/22 09:14	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	**37.8**	**J *-**	50.0	15.0	mg/Kg		05/20/22 16:00	05/21/22 06:04	1
Diesel Range Organics (Over C10-C28)	**111**	**B**	50.0	15.0	mg/Kg		05/20/22 16:00	05/21/22 06:04	1
Oil Range Organics (Over C28-C36)	<15.0	U	50.0	15.0	mg/Kg		05/20/22 16:00	05/21/22 06:04	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	113		70 - 130	05/20/22 16:00	05/21/22 06:04	1
o-Terphenyl	121		70 - 130	05/20/22 16:00	05/21/22 06:04	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**283**		4.96	0.851	mg/Kg			05/24/22 02:48	1

Client Sample ID: S-1A 10'

Lab Sample ID: 880-15018-3
Matrix: Solid

Date Collected: 05/13/22 10:00
Date Received: 05/20/22 14:54
Sample Depth: 10'

Method: 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		05/21/22 14:33	05/21/22 18:32	1
Toluene	<0.000454	U	0.00199	0.000454	mg/Kg		05/21/22 14:33	05/21/22 18:32	1
Ethylbenzene	**0.000568**	**J**	0.00199	0.000563	mg/Kg		05/21/22 14:33	05/21/22 18:32	1
m-Xylene & p-Xylene	**0.00219**	**J**	0.00398	0.00101	mg/Kg		05/21/22 14:33	05/21/22 18:32	1
o-Xylene	**0.00150**	**J**	0.00199	0.000343	mg/Kg		05/21/22 14:33	05/21/22 18:32	1
Xylenes, Total	**0.00369**	**J**	0.00398	0.00101	mg/Kg		05/21/22 14:33	05/21/22 18:32	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	108		70 - 130	05/21/22 14:33	05/21/22 18:32	1
1,4-Difluorobenzene (Surr)	97		70 - 130	05/21/22 14:33	05/21/22 18:32	1

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	**0.00426**		0.00398	0.00101	mg/Kg			05/23/22 11:13	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	**74.1**		49.9	15.0	mg/Kg			05/23/22 09:14	1

Client Sample Results

Client: Talon/LPE
Project/Site: Mexican J Battery

Job ID: 880-15018-1
SDG: Lea Co. NM

Client Sample ID: S-1A 10'

Lab Sample ID: 880-15018-3

Date Collected: 05/13/22 10:00
Matrix: Solid
Date Received: 05/20/22 14:54
Sample Depth: 10'

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	18.4	J *-	49.9	15.0	mg/Kg		05/20/22 16:00	05/21/22 06:24	1
Diesel Range Organics (Over C10-C28)	55.7	B	49.9	15.0	mg/Kg		05/20/22 16:00	05/21/22 06:24	1
Oil Range Organics (Over C28-C36)	<15.0	U	49.9	15.0	mg/Kg		05/20/22 16:00	05/21/22 06:24	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*125*		*70 - 130*	*05/20/22 16:00*	*05/21/22 06:24*	*1*
o-Terphenyl	*132*	*S1+*	*70 - 130*	*05/20/22 16:00*	*05/21/22 06:24*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	176		5.04	0.865	mg/Kg			05/24/22 02:57	1

Surrogate Summary

Client: Talon/LPE
Project/Site: Mexican J Battery

Job ID: 880-15018-1
SDG: Lea Co. NM

Method: 8021B - Volatile Organic Compounds (GC)

Matrix: Solid **Prep Type: Total/NA**

Lab Sample ID	Client Sample ID	BFB1 (70-130)	DFBZ1 (70-130)
880-15018-1	S-1A 6'	115	96
880-15018-2	S-1A 8'	111	100
880-15018-3	S-1A 10'	108	97
890-2322-A-1-E MS	Matrix Spike	110	98
890-2322-A-1-F MSD	Matrix Spike Duplicate	110	99
LCS 880-26015/1-A	Lab Control Sample	104	99
LCSD 880-26015/2-A	Lab Control Sample Dup	117	102
MB 880-26015/5-A	Method Blank	104	95

Percent Surrogate Recovery (Acceptance Limits)

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**

Lab Sample ID	Client Sample ID	1CO1 (70-130)	OTPH1 (70-130)
880-15018-1	S-1A 6'	126	133 S1+
880-15018-2	S-1A 8'	113	121
880-15018-3	S-1A 10'	125	132 S1+
890-2320-A-1-B MS	Matrix Spike	115	106
890-2320-A-1-C MSD	Matrix Spike Duplicate	116	107
LCS 880-25983/2-A	Lab Control Sample	89	84
LCSD 880-25983/3-A	Lab Control Sample Dup	91	85
MB 880-25983/1-A	Method Blank	104	115

Percent Surrogate Recovery (Acceptance Limits)

Surrogate Legend

1CO = 1-Chlorooctane
OTPH = o-Terphenyl

QC Sample Results

Client: Talon/LPE
Project/Site: Mexican J Battery

Job ID: 880-15018-1
SDG: Lea Co. NM

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 880-26015/5-A — **Client Sample ID: Method Blank**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 26016 — **Prep Batch: 26015**

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.000385	U	0.00200	0.000385	mg/Kg		05/21/22 14:33	05/21/22 17:29	1
Toluene	<0.000456	U	0.00200	0.000456	mg/Kg		05/21/22 14:33	05/21/22 17:29	1
Ethylbenzene	<0.000565	U	0.00200	0.000565	mg/Kg		05/21/22 14:33	05/21/22 17:29	1
m-Xylene & p-Xylene	<0.00101	U	0.00400	0.00101	mg/Kg		05/21/22 14:33	05/21/22 17:29	1
o-Xylene	<0.000344	U	0.00200	0.000344	mg/Kg		05/21/22 14:33	05/21/22 17:29	1
Xylenes, Total	<0.00101	U	0.00400	0.00101	mg/Kg		05/21/22 14:33	05/21/22 17:29	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*104*		*70 - 130*	*05/21/22 14:33*	*05/21/22 17:29*	*1*
1,4-Difluorobenzene (Surr)	*95*		*70 - 130*	*05/21/22 14:33*	*05/21/22 17:29*	*1*

Lab Sample ID: LCS 880-26015/1-A — **Client Sample ID: Lab Control Sample**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 26016 — **Prep Batch: 26015**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	0.100	0.09750		mg/Kg		97	70 - 130
Toluene	0.100	0.1005		mg/Kg		101	70 - 130
Ethylbenzene	0.100	0.09087		mg/Kg		91	70 - 130
m-Xylene & p-Xylene	0.200	0.1914		mg/Kg		96	70 - 130
o-Xylene	0.100	0.09613		mg/Kg		96	70 - 130

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*104*		*70 - 130*
1,4-Difluorobenzene (Surr)	*99*		*70 - 130*

Lab Sample ID: LCSD 880-26015/2-A — **Client Sample ID: Lab Control Sample Dup**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 26016 — **Prep Batch: 26015**

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	0.100	0.1009		mg/Kg		101	70 - 130	3	35
Toluene	0.100	0.1080		mg/Kg		108	70 - 130	7	35
Ethylbenzene	0.100	0.1029		mg/Kg		103	70 - 130	12	35
m-Xylene & p-Xylene	0.200	0.2221		mg/Kg		111	70 - 130	15	35
o-Xylene	0.100	0.1117		mg/Kg		112	70 - 130	15	35

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*117*		*70 - 130*
1,4-Difluorobenzene (Surr)	*102*		*70 - 130*

Lab Sample ID: 890-2322-A-1-E MS — **Client Sample ID: Matrix Spike**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 26016 — **Prep Batch: 26015**

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	0.000629	J	0.101	0.08874		mg/Kg		88	70 - 130
Toluene	0.00608		0.101	0.09547		mg/Kg		89	70 - 130

QC Sample Results

Client: Talon/LPE
Project/Site: Mexican J Battery

Job ID: 880-15018-1
SDG: Lea Co. NM

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

Lab Sample ID: 890-2322-A-1-E MS — **Client Sample ID: Matrix Spike**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 26016 — **Prep Batch: 26015**

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Ethylbenzene	<0.000571	U	0.101	0.08919		mg/Kg		89	70 - 130
m-Xylene & p-Xylene	0.00117	J	0.201	0.1907		mg/Kg		94	70 - 130
o-Xylene	0.000541	J	0.101	0.09732		mg/Kg		96	70 - 130

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*110*		*70 - 130*
1,4-Difluorobenzene (Surr)	*98*		*70 - 130*

Lab Sample ID: 890-2322-A-1-F MSD — **Client Sample ID: Matrix Spike Duplicate**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 26016 — **Prep Batch: 26015**

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	0.000629	J	0.100	0.08709		mg/Kg		86	70 - 130	2	35
Toluene	0.00608		0.100	0.09498		mg/Kg		89	70 - 130	1	35
Ethylbenzene	<0.000571	U	0.100	0.08905		mg/Kg		89	70 - 130	0	35
m-Xylene & p-Xylene	0.00117	J	0.200	0.1905		mg/Kg		94	70 - 130	0	35
o-Xylene	0.000541	J	0.100	0.09699		mg/Kg		96	70 - 130	0	35

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*110*		*70 - 130*
1,4-Difluorobenzene (Surr)	*99*		*70 - 130*

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

Lab Sample ID: MB 880-25983/1-A — **Client Sample ID: Method Blank**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 25940 — **Prep Batch: 25983**

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<15.0	U	50.0	15.0	mg/Kg		05/20/22 14:10	05/20/22 22:11	1
Diesel Range Organics (Over C10-C28)	20.88	J	50.0	15.0	mg/Kg		05/20/22 14:10	05/20/22 22:11	1
OII Range Organics (Over C28-C36)	<15.0	U	50.0	15.0	mg/Kg		05/20/22 14:10	05/20/22 22:11	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*104*		*70 - 130*	*05/20/22 14:10*	*05/20/22 22:11*	*1*
o-Terphenyl	*115*		*70 - 130*	*05/20/22 14:10*	*05/20/22 22:11*	*1*

Lab Sample ID: LCS 880-25983/2-A — **Client Sample ID: Lab Control Sample**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 25940 — **Prep Batch: 25983**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics (GRO)-C6-C10	1000	614.8	*-	mg/Kg		61	70 - 130
Diesel Range Organics (Over C10-C28)	1000	822.1		mg/Kg		82	70 - 130

QC Sample Results

Client: Talon/LPE
Project/Site: Mexican J Battery

Job ID: 880-15018-1
SDG: Lea Co. NM

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

Lab Sample ID: LCS 880-25983/2-A
Matrix: Solid
Analysis Batch: 25940

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 25983

Surrogate	LCS %Recovery	LCS Qualifier	Limits
1-Chlorooctane	89		70 - 130
o-Terphenyl	84		70 - 130

Lab Sample ID: LCSD 880-25983/3-A
Matrix: Solid
Analysis Batch: 25940

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 25983

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10			1000	709.2		mg/Kg		71	70 - 130	14	20
Diesel Range Organics (Over C10-C28)			1000	963.6		mg/Kg		96	70 - 130	16	20

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
1-Chlorooctane	91		70 - 130
o-Terphenyl	85		70 - 130

Lab Sample ID: 890-2320-A-1-B MS
Matrix: Solid
Analysis Batch: 25940

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 25983

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Gasoline Range Organics (GRO)-C6-C10	16.7	J *-	1000	988.9		mg/Kg		97	70 - 130		
Diesel Range Organics (Over C10-C28)	32.8	J B	1000	1124		mg/Kg		109	70 - 130		

Surrogate	MS %Recovery	MS Qualifier	Limits
1-Chlorooctane	115		70 - 130
o-Terphenyl	106		70 - 130

Lab Sample ID: 890-2320-A-1-C MSD
Matrix: Solid
Analysis Batch: 25940

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA
Prep Batch: 25983

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	16.7	J *-	999	824.8		mg/Kg		81	70 - 130	18	20
Diesel Range Organics (Over C10-C28)	32.8	J B	999	1141		mg/Kg		111	70 - 130	2	20

Surrogate	MSD %Recovery	MSD Qualifier	Limits
1-Chlorooctane	116		70 - 130
o-Terphenyl	107		70 - 130

QC Sample Results

Client: Talon/LPE
Project/Site: Mexican J Battery

Job ID: 880-15018-1
SDG: Lea Co. NM

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-25822/1-A — **Client Sample ID: Method Blank**
Matrix: Solid — **Prep Type: Soluble**
Analysis Batch: 26073

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<0.858	U	5.00	0.858	mg/Kg			05/23/22 22:48	1

Lab Sample ID: LCS 880-25822/2-A — **Client Sample ID: Lab Control Sample**
Matrix: Solid — **Prep Type: Soluble**
Analysis Batch: 26073

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	250	241.8		mg/Kg		97	90 - 110

Lab Sample ID: LCSD 880-25822/3-A — **Client Sample ID: Lab Control Sample Dup**
Matrix: Solid — **Prep Type: Soluble**
Analysis Batch: 26073

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	250	241.5		mg/Kg		97	90 - 110	0	20

Lab Sample ID: 890-2316-A-1-D MS — **Client Sample ID: Matrix Spike**
Matrix: Solid — **Prep Type: Soluble**
Analysis Batch: 26073

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	860	F1	252	1096		mg/Kg		94	90 - 110

Lab Sample ID: 890-2316-A-1-E MSD — **Client Sample ID: Matrix Spike Duplicate**
Matrix: Solid — **Prep Type: Soluble**
Analysis Batch: 26073

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	860	F1	252	1084	F1	mg/Kg		89	90 - 110	1	20

QC Association Summary

Client: Talon/LPE
Project/Site: Mexican J Battery

Job ID: 880-15018-1
SDG: Lea Co. NM

GC VOA

Prep Batch: 26015

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-15018-1	S-1A 6'	Total/NA	Solid	5035	
880-15018-2	S-1A 8'	Total/NA	Solid	5035	
880-15018-3	S-1A 10'	Total/NA	Solid	5035	
MB 880-26015/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-26015/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-26015/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
890-2322-A-1-E MS	Matrix Spike	Total/NA	Solid	5035	
890-2322-A-1-F MSD	Matrix Spike Duplicate	Total/NA	Solid	5035	

Analysis Batch: 26016

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-15018-1	S-1A 6'	Total/NA	Solid	8021B	26015
880-15018-2	S-1A 8'	Total/NA	Solid	8021B	26015
880-15018-3	S-1A 10'	Total/NA	Solid	8021B	26015
MB 880-26015/5-A	Method Blank	Total/NA	Solid	8021B	26015
LCS 880-26015/1-A	Lab Control Sample	Total/NA	Solid	8021B	26015
LCSD 880-26015/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	26015
890-2322-A-1-E MS	Matrix Spike	Total/NA	Solid	8021B	26015
890-2322-A-1-F MSD	Matrix Spike Duplicate	Total/NA	Solid	8021B	26015

Analysis Batch: 26088

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-15018-1	S-1A 6'	Total/NA	Solid	Total BTEX	
880-15018-2	S-1A 8'	Total/NA	Solid	Total BTEX	
880-15018-3	S-1A 10'	Total/NA	Solid	Total BTEX	

GC Semi VOA

Analysis Batch: 25940

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-15018-1	S-1A 6'	Total/NA	Solid	8015B NM	25983
880-15018-2	S-1A 8'	Total/NA	Solid	8015B NM	25983
880-15018-3	S-1A 10'	Total/NA	Solid	8015B NM	25983
MB 880-25983/1-A	Method Blank	Total/NA	Solid	8015B NM	25983
LCS 880-25983/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	25983
LCSD 880-25983/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	25983
890-2320-A-1-B MS	Matrix Spike	Total/NA	Solid	8015B NM	25983
890-2320-A-1-C MSD	Matrix Spike Duplicate	Total/NA	Solid	8015B NM	25983

Prep Batch: 25983

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-15018-1	S-1A 6'	Total/NA	Solid	8015NM Prep	
880-15018-2	S-1A 8'	Total/NA	Solid	8015NM Prep	
880-15018-3	S-1A 10'	Total/NA	Solid	8015NM Prep	
MB 880-25983/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-25983/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-25983/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
890-2320-A-1-B MS	Matrix Spike	Total/NA	Solid	8015NM Prep	
890-2320-A-1-C MSD	Matrix Spike Duplicate	Total/NA	Solid	8015NM Prep	

QC Association Summary

Client: Talon/LPE
Project/Site: Mexican J Battery

Job ID: 880-15018-1
SDG: Lea Co. NM

GC Semi VOA

Analysis Batch: 26041

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-15018-1	S-1A 6'	Total/NA	Solid	8015 NM	
880-15018-2	S-1A 8'	Total/NA	Solid	8015 NM	
880-15018-3	S-1A 10'	Total/NA	Solid	8015 NM	

HPLC/IC

Leach Batch: 25822

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-15018-1	S-1A 6'	Soluble	Solid	DI Leach	
880-15018-2	S-1A 8'	Soluble	Solid	DI Leach	
880-15018-3	S-1A 10'	Soluble	Solid	DI Leach	
MB 880-25822/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-25822/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-25822/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
890-2316-A-1-D MS	Matrix Spike	Soluble	Solid	DI Leach	
890-2316-A-1-E MSD	Matrix Spike Duplicate	Soluble	Solid	DI Leach	

Analysis Batch: 26073

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-15018-1	S-1A 6'	Soluble	Solid	300.0	25822
880-15018-2	S-1A 8'	Soluble	Solid	300.0	25822
880-15018-3	S-1A 10'	Soluble	Solid	300.0	25822
MB 880-25822/1-A	Method Blank	Soluble	Solid	300.0	25822
LCS 880-25822/2-A	Lab Control Sample	Soluble	Solid	300.0	25822
LCSD 880-25822/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	25822
890-2316-A-1-D MS	Matrix Spike	Soluble	Solid	300.0	25822
890-2316-A-1-E MSD	Matrix Spike Duplicate	Soluble	Solid	300.0	25822

Lab Chronicle

Client: Talon/LPE
Project/Site: Mexican J Battery

Job ID: 880-15018-1
SDG: Lea Co. NM

Client Sample ID: S-1A 6'

Lab Sample ID: 880-15018-1
Date Collected: 05/13/22 09:57
Matrix: Solid
Date Received: 05/20/22 14:54

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	26015	05/21/22 14:33	MR	XEN MID
Total/NA	Analysis	8021B		50	5 mL	5 mL	26016	05/21/22 20:36	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			26088	05/23/22 11:13	SM	XEN MID
Total/NA	Analysis	8015 NM		1			26041	05/23/22 09:14	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	25983	05/20/22 16:00	DM	XEN MID
Total/NA	Analysis	8015B NM		1			25940	05/21/22 05:45	AJ	XEN MID
Soluble	Leach	DI Leach			5 g	50 mL	25822	05/20/22 17:05	CH	XEN MID
Soluble	Analysis	300.0		1			26073	05/24/22 02:39	CH	XEN MID

Client Sample ID: S-1A 8'

Lab Sample ID: 880-15018-2
Date Collected: 05/13/22 09:58
Matrix: Solid
Date Received: 05/20/22 14:54

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	26015	05/21/22 14:33	MR	XEN MID
Total/NA	Analysis	8021B		50	5 mL	5 mL	26016	05/21/22 20:57	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			26088	05/23/22 11:13	SM	XEN MID
Total/NA	Analysis	8015 NM		1			26041	05/23/22 09:14	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	25983	05/20/22 16:00	DM	XEN MID
Total/NA	Analysis	8015B NM		1			25940	05/21/22 06:04	AJ	XEN MID
Soluble	Leach	DI Leach			5.04 g	50 mL	25822	05/20/22 17:05	CH	XEN MID
Soluble	Analysis	300.0		1			26073	05/24/22 02:48	CH	XEN MID

Client Sample ID: S-1A 10'

Lab Sample ID: 880-15018-3
Date Collected: 05/13/22 10:00
Matrix: Solid
Date Received: 05/20/22 14:54

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	26015	05/21/22 14:33	MR	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	26016	05/21/22 18:32	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			26088	05/23/22 11:13	SM	XEN MID
Total/NA	Analysis	8015 NM		1			26041	05/23/22 09:14	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	25983	05/20/22 16:00	DM	XEN MID
Total/NA	Analysis	8015B NM		1			25940	05/21/22 06:24	AJ	XEN MID
Soluble	Leach	DI Leach			4.96 g	50 mL	25822	05/20/22 17:05	CH	XEN MID
Soluble	Analysis	300.0		1			26073	05/24/22 02:57	CH	XEN MID

Laboratory References:

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

Accreditation/Certification Summary

Client: Talon/LPE
Project/Site: Mexican J Battery

Job ID: 880-15018-1
SDG: Lea Co. NM

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	T104704400-21-22	06-30-22

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: Mexican J Battery

Job ID: 880-15018-1
SDG: Lea Co. NM

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

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

Sample Summary

Client: Talon/LPE
Project/Site: Mexican J Battery

Job ID: 880-15018-1
SDG: Lea Co. NM

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Depth
880-15018-1	S-1A 6'	Solid	05/13/22 09:57	05/20/22 14:54	6'
880-15018-2	S-1A 8'	Solid	05/13/22 09:58	05/20/22 14:54	8'
880-15018-3	S-1A 10'	Solid	05/13/22 10:00	05/20/22 14:54	10'

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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: 15018

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Project Manager:	Kayla Taylor	Bill to: (if different)	Aaron Hickert
Company Name:	Talon LPE	Company Name:	Scout Energy
Address:		Address	13800 Montfort Dr
City, State ZIP:	ktaylor@talonlpe.com	City, State ZIP:	Dallas, TX 75240
Phone:	Email	ahickert@scoutep.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:	Mexican J Battery	Turn Around	
Project Number:		☐Routine ☐Rush	
Project Location	Lea Co NM	Due Date:	
Sampler's Name:	K. Taylor	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:	IR8
Cooler Custody Seals:	Yes No (N/A)	Correction Factor:	-.2
Sample Custody Seals.	Yes No (N/A)	Temperature Reading	1.4
Total Containers:		Corrected Temperature:	1.2

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	

ANALYSIS REQUEST

Sample Identification	Matrix	Date Sampled	Time Sampled	Depth	Grab/ Comp	# of Cont	TPH 8015M	BTEX 8021B	Chlorides 300.0	Sample Comments
S-1A 6'	S	5-13-22	0957	6'	G	1	X	X	X	
S-1A 8'	S	5-13-22	0958	8'	G	1	X	X	X	
S-1A 10'	S	5-13-22	1000	10'	G	1	X	X	X	

880-15018 Chain of Custody

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

Notice: Signature of this document and relinquishment of samples constitutes a valid purchase order from client company to Eurofins Xenco, its affiliates and subcontractors. It assigns standard terms and conditions of service. Eurofins Xenco will be liable only for the cost of samples and shall not assume any responsibility for any losses or expenses incurred by the client if such losses are due to circumstances beyond the control of Eurofins Xenco. A minimum charge of $85.00 will be applied to each project and a charge of $5 for each sample submitted to Eurofins Xenco, but not analyzed. These terms will be enforced unless previously negotiated.

Relinquished by: (Signature)	Received by: (Signature)	Date/Time	Relinquished by: (Signature)	Received by: (Signature)	Date/Time
1 Kayla Taylor	[signature]	5/20/22 1451	2		
3			4		
5			6		

Revised Date: 08/25/2020 Rev 2020.2

Received by OCD: 11/17/2022 9:10:10 AM

Released to Imaging: 1/30/2023 9:47:44 AM

5/24/2022

Login Sample Receipt Checklist

Client: Talon/LPE

Job Number: 880-15018-1
SDG Number: Lea Co. NM

Login Number: 15018
List Number: 1
Creator: Rodriguez, Leticia

List Source: Eurofins Midland

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	

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ANALYTICAL REPORT

Eurofins Midland
1211 W. Florida Ave
Midland, TX 79701
Tel: (432)704-5440

Laboratory Job ID: 880-15392-1
Laboratory Sample Delivery Group: Tank Battery
Client Project/Site: Mexico J&L Battery

For:
Scout Energy Partners
3375 E Hwy 158
Goldsmith, Texas 79741

Attn: Aaron Hickert

Holly Taylor

Authorized for release by:
6/6/2022 3:14:53 PM

Holly Taylor, Project Manager
(806)794-1296
Holly.Taylor@et.eurofinsus.com

LINKS
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Have a Question? Ask The Expert
Visit us at: www.eurofinsus.com/Env

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

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

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Definitions/Glossary

Client: Scout Energy Partners
Project/Site: Mexico J&L Battery

Job ID: 880-15392-1
SDG: Tank Battery

Qualifiers

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: Scout Energy Partners
Project/Site: Mexico J&L Battery

Job ID: 880-15392-1
SDG: Tank Battery

Job ID: 880-15392-1

Laboratory: Eurofins Midland

Narrative

Job Narrative
880-15392-1

Comments
No additional comments.

Receipt
The samples were received on 6/1/2022 4:05 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 was 5.4º C.

GC Semi VOA
Method 8015B NM: Surrogate recovery for the following sample was outside control limits: (880-15387-A-1-C MS). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

Method 8015B NM: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for preparation batch 880-26719 and analytical batch 880-26700 were outside control limits. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample (LCS) recovery was within acceptance limits.

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

General Chemistry
Method 300.0: The matrix spike / matrix spike duplicate (MS/MSD) recoveries and precision for preparation batch 880-26727 and analytical batch 880-26784 were outside control limits. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample / laboratory sample control duplicate (LCS/LCSD) precision was within acceptance limits.

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

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

Client Sample Results

Client: Scout Energy Partners
Project/Site: Mexico J&L Battery

Job ID: 880-15392-1
SDG: Tank Battery

Client Sample ID: N S-1-6"

Lab Sample ID: 880-15392-1
Matrix: Solid

Date Collected: 06/01/22 09:15
Date Received: 06/01/22 16:05
Sample Depth: 6"

Method: 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			06/02/22 17:28	1

Method: 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		06/02/22 10:21	06/02/22 13:06	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0	mg/Kg		06/02/22 10:21	06/02/22 13:06	1
Oll Range Organics (Over C28-C36)	<50.0	U	50.0	mg/Kg		06/02/22 10:21	06/02/22 13:06	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane (Surr)	*74*		*70 - 130*	*06/02/22 10:21*	*06/02/22 13:06*	*1*
o-Terphenyl (Surr)	*74*		*70 - 130*	*06/02/22 10:21*	*06/02/22 13:06*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**17.7**		4.99	mg/Kg			06/04/22 01:46	1

Client Sample ID: E S-1-6"

Lab Sample ID: 880-15392-2
Matrix: Solid

Date Collected: 06/01/22 09:30
Date Received: 06/01/22 16:05
Sample Depth: 6"

Method: 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			06/02/22 17:28	1

Method: 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		06/02/22 10:21	06/02/22 13:28	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9	mg/Kg		06/02/22 10:21	06/02/22 13:28	1
Oll Range Organics (Over C28-C36)	<49.9	U	49.9	mg/Kg		06/02/22 10:21	06/02/22 13:28	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane (Surr)	*83*		*70 - 130*	*06/02/22 10:21*	*06/02/22 13:28*	*1*
o-Terphenyl (Surr)	*84*		*70 - 130*	*06/02/22 10:21*	*06/02/22 13:28*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**11.1**		5.00	mg/Kg			06/04/22 01:56	1

Surrogate Summary

Client: Scout Energy Partners
Project/Site: Mexico J&L Battery

Job ID: 880-15392-1
SDG: Tank Battery

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

Matrix: Solid

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)	
Lab Sample ID	**Client Sample ID**	**1CO1 (70-130)**	**OTPH1 (70-130)**
880-15392-1	N S-1-6"	74	74
880-15392-2	E S-1-6"	83	84
LCS 880-26719/2-A	Lab Control Sample	118	114
LCSD 880-26719/3-A	Lab Control Sample Dup	114	113
MB 880-26719/1-A	Method Blank	98	109

Surrogate Legend

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

QC Sample Results

Client: Scout Energy Partners
Project/Site: Mexico J&L Battery

Job ID: 880-15392-1
SDG: Tank Battery

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

Lab Sample ID: MB 880-26719/1-A
Matrix: Solid
Analysis Batch: 26700

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 26719

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		06/02/22 10:21	06/02/22 10:38	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		06/02/22 10:21	06/02/22 10:38	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		06/02/22 10:21	06/02/22 10:38	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane (Surr)	*98*		*70 - 130*	*06/02/22 10:21*	*06/02/22 10:38*	*1*
o-Terphenyl (Surr)	*109*		*70 - 130*	*06/02/22 10:21*	*06/02/22 10:38*	*1*

Lab Sample ID: LCS 880-26719/2-A
Matrix: Solid
Analysis Batch: 26700

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 26719

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Gasoline Range Organics (GRO)-C6-C10			1000	959.3		mg/Kg		96	70 - 130		
Diesel Range Organics (Over C10-C28)			1000	877.7		mg/Kg		88	70 - 130		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1-Chlorooctane (Surr)	*118*		*70 - 130*
o-Terphenyl (Surr)	*114*		*70 - 130*

Lab Sample ID: LCSD 880-26719/3-A
Matrix: Solid
Analysis Batch: 26700

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 26719

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10			1000	932.6		mg/Kg		93	70 - 130	3	20
Diesel Range Organics (Over C10-C28)			1000	854.9		mg/Kg		85	70 - 130	3	20

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
1-Chlorooctane (Surr)	*114*		*70 - 130*
o-Terphenyl (Surr)	*113*		*70 - 130*

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-26727/1-A
Matrix: Solid
Analysis Batch: 26784

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			06/03/22 23:28	1

QC Sample Results

Client: Scout Energy Partners
Project/Site: Mexico J&L Battery

Job ID: 880-15392-1
SDG: Tank Battery

Method: 300.0 - Anions, Ion Chromatography (Continued)

Lab Sample ID: LCS 880-26727/2-A
Matrix: Solid
Analysis Batch: 26784

Client Sample ID: Lab Control Sample
Prep Type: Soluble

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Chloride			250	234.8		mg/Kg		94	90 - 110		

Lab Sample ID: LCSD 880-26727/3-A
Matrix: Solid
Analysis Batch: 26784

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	239.3		mg/Kg		96	90 - 110	2	20

QC Association Summary

Client: Scout Energy Partners
Project/Site: Mexico J&L Battery

Job ID: 880-15392-1
SDG: Tank Battery

GC Semi VOA

Analysis Batch: 26700

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-15392-1	N S-1-6"	Total/NA	Solid	8015B NM	26719
880-15392-2	E S-1-6"	Total/NA	Solid	8015B NM	26719
MB 880-26719/1-A	Method Blank	Total/NA	Solid	8015B NM	26719
LCS 880-26719/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	26719
LCSD 880-26719/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	26719

Prep Batch: 26719

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-15392-1	N S-1-6"	Total/NA	Solid	8015NM Prep	
880-15392-2	E S-1-6"	Total/NA	Solid	8015NM Prep	
MB 880-26719/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-26719/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-26719/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	

Analysis Batch: 26768

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-15392-1	N S-1-6"	Total/NA	Solid	8015 NM	
880-15392-2	E S-1-6"	Total/NA	Solid	8015 NM	

HPLC/IC

Leach Batch: 26727

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-15392-1	N S-1-6"	Soluble	Solid	DI Leach	
880-15392-2	E S-1-6"	Soluble	Solid	DI Leach	
MB 880-26727/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-26727/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-26727/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	

Analysis Batch: 26784

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-15392-1	N S-1-6"	Soluble	Solid	300.0	26727
880-15392-2	E S-1-6"	Soluble	Solid	300.0	26727
MB 880-26727/1-A	Method Blank	Soluble	Solid	300.0	26727
LCS 880-26727/2-A	Lab Control Sample	Soluble	Solid	300.0	26727
LCSD 880-26727/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	26727

Lab Chronicle

Client: Scout Energy Partners
Project/Site: Mexico J&L Battery

Job ID: 880-15392-1
SDG: Tank Battery

Client Sample ID: N S-1-6"

Date Collected: 06/01/22 09:15
Date Received: 06/01/22 16:05

Lab Sample ID: 880-15392-1

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8015 NM		1			26768	06/02/22 17:28	SM	XEN MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	26719	06/02/22 10:21	DM	XEN MID
Total/NA	Analysis	8015B NM		1			26700	06/02/22 13:06	SM	XEN MID
Soluble	Leach	DI Leach			5.01 g	50 mL	26727	06/02/22 11:08	SC	XEN MID
Soluble	Analysis	300.0		1			26784	06/04/22 01:46	CH	XEN MID

Client Sample ID: E S-1-6"

Date Collected: 06/01/22 09:30
Date Received: 06/01/22 16:05

Lab Sample ID: 880-15392-2

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8015 NM		1			26768	06/02/22 17:28	SM	XEN MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	26719	06/02/22 10:21	DM	XEN MID
Total/NA	Analysis	8015B NM		1			26700	06/02/22 13:28	SM	XEN MID
Soluble	Leach	DI Leach			5 g	50 mL	26727	06/02/22 11:08	SC	XEN MID
Soluble	Analysis	300.0		1			26784	06/04/22 01:56	CH	XEN MID

Laboratory References:

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

Accreditation/Certification Summary

Client: Scout Energy Partners
Project/Site: Mexico J&L Battery

Job ID: 880-15392-1
SDG: Tank Battery

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	T104704400-21-22	06-30-22

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

Method Summary

Client: Scout Energy Partners
Project/Site: Mexico J&L Battery

Job ID: 880-15392-1
SDG: Tank Battery

Method	Method Description	Protocol	Laboratory
8015 NM	Diesel Range Organics (DRO) (GC)	SW846	XEN MID
8015B NM	Diesel Range Organics (DRO) (GC)	SW846	XEN MID
300.0	Anions, Ion Chromatography	MCAWW	XEN MID
8015NM Prep	Microextraction	SW846	XEN MID
DI Leach	Deionized Water Leaching Procedure	ASTM	XEN 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.

Laboratory References:

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

Sample Summary

Client: Scout Energy Partners
Project/Site: Mexico J&L Battery

Job ID: 880-15392-1
SDG: Tank Battery

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Depth
880-15392-1	N S-1-6"	Solid	06/01/22 09:15	06/01/22 16:05	6"
880-15392-2	E S-1-6"	Solid	06/01/22 09:30	06/01/22 16:05	6"

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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: 15392

www.xenco.com Page _____ of _____

Project Manager:	Aaron Hickert	Bill to: (if different)	
Company Name:	Scout Energy	Company Name	Same
Address:	13800 Montfort Dr	Address:	↓
City, State ZIP:	Dallas TX 75240	City, State ZIP:	
Phone:	620-353-4960	Email	ahickert@scoutep.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:	Mexico J+L Battery	Turn Around	☒ Routine ☐ Rush
Project Number:	—	Pres. Code	
Project Location	Tank Battery	Due Date	
Sampler's Name:	A. Hickert	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:	IR8
Cooler Custody Seals.	Yes No (N/A)	Correction Factor:	-.2
Sample Custody Seals:	Yes No (N/A)	Temperature Reading	5.6
Total Containers.		Corrected Temperature:	5.4

ANALYSIS REQUEST

Sample Identification	Matrix	Date Sampled	Time Sampled	Depth	Grab/ Comp	# of Cont	TPH 8015	Chlorides
NS-1-6"		6/1	9:15A	6"			✓	✓
ES-1-6"		6/1	9:30A	6"			✓	✓

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 Comments

880-15392 Chain of Custody

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

Notice: Signature of this document and relinquishment of samples constitutes a valid purchase order from client company to Eurofins Xenco, its affiliates and subcontractors. It assigns standard terms and conditions of service. Eurofins Xenco will be liable only for the cost of samples and shall not assume any responsibility for any losses or expenses incurred by the client if such losses are due to circumstances beyond the control of Eurofins Xenco. A minimum charge of $85.00 will be applied to each project and a charge of $5 for each sample submitted to Eurofins Xenco, but not analyzed. These terms will be enforced unless previously negotiated.

Relinquished by: (Signature)	Received by: (Signature)	Date/Time	Relinquished by: (Signature)	Received by: (Signature)	Date/Time
1		6/1/22 16:05	2		
3			4		
5			6		

Revised Date: 08/25/2020 Rev 2020.2

Received by OCD: 11/17/2022 9:10:10 AM

Released to Imaging: 1/30/2023 9:47:44 AM

6/6/2022

Login Sample Receipt Checklist

Client: Scout Energy Partners

Job Number: 880-15392-1
SDG Number: Tank Battery

Login Number: 15392
List Number: 1
Creator: Rodriguez, Leticia

List Source: Eurofins Midland

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	

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ANALYTICAL REPORT

Eurofins Midland
1211 W. Florida Ave
Midland, TX 79701
Tel: (432)704-5440

Laboratory Job ID: 880-19057-1
Laboratory Sample Delivery Group: Lea Co, NM
Client Project/Site: Mexico J Battery

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

Attn: Kayla Taylor

JKramer

Authorized for release by:
9/13/2022 12:37:17 PM

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

LINKS
Review your project results through my EOL
Have a Question? Ask The Expert
Visit us at: www.eurofinsus.com/Env

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

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

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Definitions/Glossary

Client: Talon/LPE
Project/Site: Mexico J Battery

Job ID: 880-19057-1
SDG: Lea Co, NM

Qualifiers

GC VOA

Qualifier	Qualifier Description
F1	MS and/or MSD recovery exceeds control limits.
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
F1	MS and/or MSD recovery exceeds control limits.
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: Mexico J Battery

Job ID: 880-19057-1
SDG: Lea Co, NM

Job ID: 880-19057-1

Laboratory: Eurofins Midland

Narrative

Job Narrative
880-19057-1

Receipt
The samples were received on 9/9/2022 4:36 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 4.8°C

GC VOA
Method 8021B: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for preparation batch 880-34213 and analytical batch 880-34173 were outside control limits. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample (LCS) recovery was within acceptance limits.

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
Method 300_ORGFM_28D: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for preparation batch 880-34125 and analytical batch 880-34134 were outside control limits. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample (LCS) recovery was within acceptance limits.

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: Mexico J Battery

Job ID: 880-19057-1
SDG: Lea Co, NM

Client Sample ID: 3A 5'

Lab Sample ID: 880-19057-1
Matrix: Solid

Date Collected: 09/02/22 10:38
Date Received: 09/09/22 16:36
Sample Depth: 5'

Method: 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		09/12/22 09:23	09/12/22 16:10	1
Toluene	<0.000459	U	0.00201	0.000459	mg/Kg		09/12/22 09:23	09/12/22 16:10	1
Ethylbenzene	<0.000568	U	0.00201	0.000568	mg/Kg		09/12/22 09:23	09/12/22 16:10	1
m-Xylene & p-Xylene	<0.00102	U	0.00402	0.00102	mg/Kg		09/12/22 09:23	09/12/22 16:10	1
o-Xylene	<0.000346	U	0.00201	0.000346	mg/Kg		09/12/22 09:23	09/12/22 16:10	1
Xylenes, Total	<0.00102	U	0.00402	0.00102	mg/Kg		09/12/22 09:23	09/12/22 16:10	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*90*		*70 - 130*	*09/12/22 09:23*	*09/12/22 16:10*	*1*
1,4-Difluorobenzene (Surr)	*72*		*70 - 130*	*09/12/22 09:23*	*09/12/22 16:10*	*1*

Method: 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			09/12/22 16:56	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<15.0	U	49.9	15.0	mg/Kg			09/12/22 10:21	1

Method: 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	49.9	15.0	mg/Kg		09/10/22 08:34	09/10/22 18:26	1
Diesel Range Organics (Over C10-C28)	<15.0	U	49.9	15.0	mg/Kg		09/10/22 08:34	09/10/22 18:26	1
OII Range Organics (Over C28-C36)	<15.0	U	49.9	15.0	mg/Kg		09/10/22 08:34	09/10/22 18:26	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*109*		*70 - 130*	*09/10/22 08:34*	*09/10/22 18:26*	*1*
o-Terphenyl	*101*		*70 - 130*	*09/10/22 08:34*	*09/10/22 18:26*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**338**		4.98	0.855	mg/Kg			09/10/22 06:49	1

Client Sample ID: 3A 6'R

Lab Sample ID: 880-19057-2
Matrix: Solid

Date Collected: 09/02/22 10:40
Date Received: 09/09/22 16:36
Sample Depth: 6'

Method: 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		09/12/22 09:23	09/12/22 16:31	1
Toluene	<0.000461	U	0.00202	0.000461	mg/Kg		09/12/22 09:23	09/12/22 16:31	1
Ethylbenzene	<0.000571	U	0.00202	0.000571	mg/Kg		09/12/22 09:23	09/12/22 16:31	1
m-Xylene & p-Xylene	<0.00102	U	0.00404	0.00102	mg/Kg		09/12/22 09:23	09/12/22 16:31	1
o-Xylene	<0.000347	U	0.00202	0.000347	mg/Kg		09/12/22 09:23	09/12/22 16:31	1
Xylenes, Total	<0.00102	U	0.00404	0.00102	mg/Kg		09/12/22 09:23	09/12/22 16:31	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*100*		*70 - 130*	*09/12/22 09:23*	*09/12/22 16:31*	*1*

Client Sample Results

Client: Talon/LPE
Project/Site: Mexico J Battery

Job ID: 880-19057-1
SDG: Lea Co, NM

Client Sample ID: 3A 6'R

Date Collected: 09/02/22 10:40
Date Received: 09/09/22 16:36
Sample Depth: 6'

Lab Sample ID: 880-19057-2

Matrix: Solid

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

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,4-Difluorobenzene (Surr)	*81*		*70 - 130*	*09/12/22 09:23*	*09/12/22 16:31*	*1*

Method: 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			09/12/22 16:56	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<15.0	U	49.9	15.0	mg/Kg			09/12/22 10:21	1

Method: 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	49.9	15.0	mg/Kg		09/10/22 08:34	09/10/22 18:48	1
Diesel Range Organics (Over C10-C28)	<15.0	U	49.9	15.0	mg/Kg		09/10/22 08:34	09/10/22 18:48	1
Oil Range Organics (Over C28-C36)	<15.0	U	49.9	15.0	mg/Kg		09/10/22 08:34	09/10/22 18:48	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*92*		*70 - 130*	*09/10/22 08:34*	*09/10/22 18:48*	*1*
o-Terphenyl	*89*		*70 - 130*	*09/10/22 08:34*	*09/10/22 18:48*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**278**		4.95	0.850	mg/Kg			09/10/22 12:22	1

Surrogate Summary

Client: Talon/LPE
Project/Site: Mexico J Battery

Job ID: 880-19057-1
SDG: Lea Co, NM

Method: 8021B - Volatile Organic Compounds (GC)

Matrix: Solid **Prep Type: Total/NA**

Percent Surrogate Recovery (Acceptance Limits)

Lab Sample ID	Client Sample ID	BFB1 (70-130)	DFBZ1 (70-130)
880-19057-1	3A 5'	90	72
880-19057-2	3A 6'R	100	81
890-2908-A-1-A MS	Matrix Spike	104	104
890-2908-A-1-B MSD	Matrix Spike Duplicate	114	101
LCS 880-34213/1-A	Lab Control Sample	123	109
LCSD 880-34213/2-A	Lab Control Sample Dup	116	111
MB 880-34213/5-A	Method Blank	96	86

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)

Lab Sample ID	Client Sample ID	1CO1 (70-130)	OTPH1 (70-130)
880-19057-1	3A 5'	109	101
880-19057-2	3A 6'R	92	89
890-2900-A-1-E MS	Matrix Spike	97	88
890-2900-A-1-F MSD	Matrix Spike Duplicate	99	90
LCS 880-34143/2-A	Lab Control Sample	116	117
LCSD 880-34143/3-A	Lab Control Sample Dup	117	121
MB 880-34143/1-A	Method Blank	114	111

Surrogate Legend

1CO = 1-Chlorooctane
OTPH = o-Terphenyl

QC Sample Results

Client: Talon/LPE
Project/Site: Mexico J Battery

Job ID: 880-19057-1
SDG: Lea Co, NM

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 880-34213/5-A — **Client Sample ID: Method Blank**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 34173 — **Prep Batch: 34213**

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.000385	U	0.00200	0.000385	mg/Kg		09/12/22 09:23	09/12/22 10:47	1
Toluene	<0.000456	U	0.00200	0.000456	mg/Kg		09/12/22 09:23	09/12/22 10:47	1
Ethylbenzene	<0.000565	U	0.00200	0.000565	mg/Kg		09/12/22 09:23	09/12/22 10:47	1
m-Xylene & p-Xylene	<0.00101	U	0.00400	0.00101	mg/Kg		09/12/22 09:23	09/12/22 10:47	1
o-Xylene	<0.000344	U	0.00200	0.000344	mg/Kg		09/12/22 09:23	09/12/22 10:47	1
Xylenes, Total	<0.00101	U	0.00400	0.00101	mg/Kg		09/12/22 09:23	09/12/22 10:47	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*96*		*70 - 130*	*09/12/22 09:23*	*09/12/22 10:47*	*1*
1,4-Difluorobenzene (Surr)	*86*		*70 - 130*	*09/12/22 09:23*	*09/12/22 10:47*	*1*

Lab Sample ID: LCS 880-34213/1-A — **Client Sample ID: Lab Control Sample**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 34173 — **Prep Batch: 34213**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	0.100	0.09860		mg/Kg		99	70 - 130
Toluene	0.100	0.08836		mg/Kg		88	70 - 130
Ethylbenzene	0.100	0.1006		mg/Kg		101	70 - 130
m-Xylene & p-Xylene	0.200	0.2051		mg/Kg		103	70 - 130
o-Xylene	0.100	0.1210		mg/Kg		121	70 - 130

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*123*		*70 - 130*
1,4-Difluorobenzene (Surr)	*109*		*70 - 130*

Lab Sample ID: LCSD 880-34213/2-A — **Client Sample ID: Lab Control Sample Dup**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 34173 — **Prep Batch: 34213**

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	0.100	0.1015		mg/Kg		102	70 - 130	3	35
Toluene	0.100	0.09147		mg/Kg		91	70 - 130	3	35
Ethylbenzene	0.100	0.09676		mg/Kg		97	70 - 130	4	35
m-Xylene & p-Xylene	0.200	0.1979		mg/Kg		99	70 - 130	4	35
o-Xylene	0.100	0.1142		mg/Kg		114	70 - 130	6	35

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*116*		*70 - 130*
1,4-Difluorobenzene (Surr)	*111*		*70 - 130*

Lab Sample ID: 890-2908-A-1-A MS — **Client Sample ID: Matrix Spike**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 34173 — **Prep Batch: 34213**

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	<0.000386	U F1	0.0998	0.07224		mg/Kg		72	70 - 130
Toluene	<0.000457	U F1	0.0998	0.05673	F1	mg/Kg		57	70 - 130

QC Sample Results

Client: Talon/LPE
Project/Site: Mexico J Battery

Job ID: 880-19057-1
SDG: Lea Co, NM

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

Lab Sample ID: 890-2908-A-1-A MS — **Client Sample ID: Matrix Spike**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 34173 — **Prep Batch: 34213**

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Ethylbenzene	0.00125	J F1	0.0998	0.04833	F1	mg/Kg		47	70 - 130
m-Xylene & p-Xylene	0.00539	F1	0.200	0.1009	F1	mg/Kg		48	70 - 130
o-Xylene	<0.000345	U F1	0.0998	0.04859	F1	mg/Kg		49	70 - 130

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*104*		*70 - 130*
1,4-Difluorobenzene (Surr)	*104*		*70 - 130*

Lab Sample ID: 890-2908-A-1-B MSD — **Client Sample ID: Matrix Spike Duplicate**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 34173 — **Prep Batch: 34213**

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	<0.000386	U F1	0.0996	0.06315	F1	mg/Kg		63	70 - 130	13	35
Toluene	<0.000457	U F1	0.0996	0.04532	F1	mg/Kg		45	70 - 130	22	35
Ethylbenzene	0.00125	J F1	0.0996	0.03541	F1	mg/Kg		34	70 - 130	31	35
m-Xylene & p-Xylene	0.00539	F1	0.199	0.07643	F1	mg/Kg		36	70 - 130	28	35
o-Xylene	<0.000345	U F1	0.0996	0.03406	F1	mg/Kg		34	70 - 130	35	35

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*114*		*70 - 130*
1,4-Difluorobenzene (Surr)	*101*		*70 - 130*

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

Lab Sample ID: MB 880-34143/1-A — **Client Sample ID: Method Blank**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 34139 — **Prep Batch: 34143**

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<15.0	U	50.0	15.0	mg/Kg		09/10/22 08:34	09/10/22 10:04	1
Diesel Range Organics (Over C10-C28)	<15.0	U	50.0	15.0	mg/Kg		09/10/22 08:34	09/10/22 10:04	1
OII Range Organics (Over C28-C36)	<15.0	U	50.0	15.0	mg/Kg		09/10/22 08:34	09/10/22 10:04	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*114*		*70 - 130*	*09/10/22 08:34*	*09/10/22 10:04*	*1*
o-Terphenyl	*111*		*70 - 130*	*09/10/22 08:34*	*09/10/22 10:04*	*1*

Lab Sample ID: LCS 880-34143/2-A — **Client Sample ID: Lab Control Sample**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 34139 — **Prep Batch: 34143**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics (GRO)-C6-C10	1000	1026		mg/Kg		103	70 - 130
Diesel Range Organics (Over C10-C28)	1000	933.9		mg/Kg		93	70 - 130

QC Sample Results

Client: Talon/LPE
Project/Site: Mexico J Battery

Job ID: 880-19057-1
SDG: Lea Co, NM

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

Lab Sample ID: LCS 880-34143/2-A
Matrix: Solid
Analysis Batch: 34139

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 34143

Surrogate	LCS %Recovery	LCS Qualifier	Limits
1-Chlorooctane	116		70 - 130
o-Terphenyl	117		70 - 130

Lab Sample ID: LCSD 880-34143/3-A
Matrix: Solid
Analysis Batch: 34139

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 34143

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10			1000	902.3		mg/Kg		90	70 - 130	13	20
Diesel Range Organics (Over C10-C28)			1000	908.5		mg/Kg		91	70 - 130	3	20

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
1-Chlorooctane	117		70 - 130
o-Terphenyl	121		70 - 130

Lab Sample ID: 890-2900-A-1-E MS
Matrix: Solid
Analysis Batch: 34139

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 34143

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Gasoline Range Organics (GRO)-C6-C10	19.1	J	997	822.0		mg/Kg		81	70 - 130		
Diesel Range Organics (Over C10-C28)	17.8	J	997	897.4		mg/Kg		88	70 - 130		

Surrogate	MS %Recovery	MS Qualifier	Limits
1-Chlorooctane	97		70 - 130
o-Terphenyl	88		70 - 130

Lab Sample ID: 890-2900-A-1-F MSD
Matrix: Solid
Analysis Batch: 34139

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA
Prep Batch: 34143

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	19.1	J	999	849.1		mg/Kg		83	70 - 130	3	20
Diesel Range Organics (Over C10-C28)	17.8	J	999	935.9		mg/Kg		92	70 - 130	4	20

Surrogate	MSD %Recovery	MSD Qualifier	Limits
1-Chlorooctane	99		70 - 130
o-Terphenyl	90		70 - 130

QC Sample Results

Client: Talon/LPE
Project/Site: Mexico J Battery

Job ID: 880-19057-1
SDG: Lea Co, NM

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-34125/1-A — **Client Sample ID: Method Blank**
Matrix: Solid — **Prep Type: Soluble**
Analysis Batch: 34134

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<0.858	U	5.00	0.858	mg/Kg			09/10/22 04:59	1

Lab Sample ID: LCS 880-34125/2-A — **Client Sample ID: Lab Control Sample**
Matrix: Solid — **Prep Type: Soluble**
Analysis Batch: 34134

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Chloride			250	244.4		mg/Kg		98	90 - 110		

Lab Sample ID: LCSD 880-34125/3-A — **Client Sample ID: Lab Control Sample Dup**
Matrix: Solid — **Prep Type: Soluble**
Analysis Batch: 34134

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride			250	245.4		mg/Kg		98	90 - 110	0	20

Lab Sample ID: 880-19024-A-1-B MS — **Client Sample ID: Matrix Spike**
Matrix: Solid — **Prep Type: Soluble**
Analysis Batch: 34134

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Chloride	3510		1250	4824		mg/Kg		106	90 - 110		

Lab Sample ID: 880-19024-A-1-C MSD — **Client Sample ID: Matrix Spike Duplicate**
Matrix: Solid — **Prep Type: Soluble**
Analysis Batch: 34134

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	3510		1250	4821		mg/Kg		105	90 - 110	0	20

Lab Sample ID: 880-19051-A-3-B MS — **Client Sample ID: Matrix Spike**
Matrix: Solid — **Prep Type: Soluble**
Analysis Batch: 34134

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Chloride	1690	F1	1250	3071	F1	mg/Kg		111	90 - 110		

Lab Sample ID: 880-19051-A-3-C MSD — **Client Sample ID: Matrix Spike Duplicate**
Matrix: Solid — **Prep Type: Soluble**
Analysis Batch: 34134

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	1690	F1	1250	3046		mg/Kg		109	90 - 110	1	20

QC Association Summary

Client: Talon/LPE
Project/Site: Mexico J Battery

Job ID: 880-19057-1
SDG: Lea Co, NM

GC VOA

Analysis Batch: 34173

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-19057-1	3A 5'	Total/NA	Solid	8021B	34213
880-19057-2	3A 6'R	Total/NA	Solid	8021B	34213
MB 880-34213/5-A	Method Blank	Total/NA	Solid	8021B	34213
LCS 880-34213/1-A	Lab Control Sample	Total/NA	Solid	8021B	34213
LCSD 880-34213/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	34213
890-2908-A-1-A MS	Matrix Spike	Total/NA	Solid	8021B	34213
890-2908-A-1-B MSD	Matrix Spike Duplicate	Total/NA	Solid	8021B	34213

Prep Batch: 34213

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-19057-1	3A 5'	Total/NA	Solid	5035	
880-19057-2	3A 6'R	Total/NA	Solid	5035	
MB 880-34213/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-34213/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-34213/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
890-2908-A-1-A MS	Matrix Spike	Total/NA	Solid	5035	
890-2908-A-1-B MSD	Matrix Spike Duplicate	Total/NA	Solid	5035	

Analysis Batch: 34316

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-19057-1	3A 5'	Total/NA	Solid	Total BTEX	
880-19057-2	3A 6'R	Total/NA	Solid	Total BTEX	

GC Semi VOA

Analysis Batch: 34139

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-19057-1	3A 5'	Total/NA	Solid	8015B NM	34143
880-19057-2	3A 6'R	Total/NA	Solid	8015B NM	34143
MB 880-34143/1-A	Method Blank	Total/NA	Solid	8015B NM	34143
LCS 880-34143/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	34143
LCSD 880-34143/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	34143
890-2900-A-1-E MS	Matrix Spike	Total/NA	Solid	8015B NM	34143
890-2900-A-1-F MSD	Matrix Spike Duplicate	Total/NA	Solid	8015B NM	34143

Prep Batch: 34143

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-19057-1	3A 5'	Total/NA	Solid	8015NM Prep	
880-19057-2	3A 6'R	Total/NA	Solid	8015NM Prep	
MB 880-34143/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-34143/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-34143/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
890-2900-A-1-E MS	Matrix Spike	Total/NA	Solid	8015NM Prep	
890-2900-A-1-F MSD	Matrix Spike Duplicate	Total/NA	Solid	8015NM Prep	

Analysis Batch: 34270

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-19057-1	3A 5'	Total/NA	Solid	8015 NM	
880-19057-2	3A 6'R	Total/NA	Solid	8015 NM	

QC Association Summary

Client: Talon/LPE
Project/Site: Mexico J Battery

Job ID: 880-19057-1
SDG: Lea Co, NM

HPLC/IC

Leach Batch: 34125

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-19057-1	3A 5'	Soluble	Solid	DI Leach	
880-19057-2	3A 6'R	Soluble	Solid	DI Leach	
MB 880-34125/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-34125/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-34125/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
880-19024-A-1-B MS	Matrix Spike	Soluble	Solid	DI Leach	
880-19024-A-1-C MSD	Matrix Spike Duplicate	Soluble	Solid	DI Leach	
880-19051-A-3-B MS	Matrix Spike	Soluble	Solid	DI Leach	
880-19051-A-3-C MSD	Matrix Spike Duplicate	Soluble	Solid	DI Leach	

Analysis Batch: 34134

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-19057-1	3A 5'	Soluble	Solid	300.0	34125
880-19057-2	3A 6'R	Soluble	Solid	300.0	34125
MB 880-34125/1-A	Method Blank	Soluble	Solid	300.0	34125
LCS 880-34125/2-A	Lab Control Sample	Soluble	Solid	300.0	34125
LCSD 880-34125/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	34125
880-19024-A-1-B MS	Matrix Spike	Soluble	Solid	300.0	34125
880-19024-A-1-C MSD	Matrix Spike Duplicate	Soluble	Solid	300.0	34125
880-19051-A-3-B MS	Matrix Spike	Soluble	Solid	300.0	34125
880-19051-A-3-C MSD	Matrix Spike Duplicate	Soluble	Solid	300.0	34125

Lab Chronicle

Client: Talon/LPE
Project/Site: Mexico J Battery

Job ID: 880-19057-1
SDG: Lea Co, NM

Client Sample ID: 3A 5'

Lab Sample ID: 880-19057-1
Date Collected: 09/02/22 10:38
Matrix: Solid
Date Received: 09/09/22 16:36

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	34213	09/12/22 09:23	MR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	34173	09/12/22 16:10	MR	EET MID
Total/NA	Analysis	Total BTEX		1			34316	09/12/22 16:56	SM	EET MID
Total/NA	Analysis	8015 NM		1			34270	09/12/22 10:21	SM	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	34143	09/10/22 08:34	AM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	34139	09/10/22 18:26	SM	EET MID
Soluble	Leach	DI Leach			5.02 g	50 mL	34125	09/09/22 17:00	KS	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	34134	09/10/22 06:49	CH	EET MID

Client Sample ID: 3A 6'R

Lab Sample ID: 880-19057-2
Date Collected: 09/02/22 10:40
Matrix: Solid
Date Received: 09/09/22 16:36

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	34213	09/12/22 09:23	MR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	34173	09/12/22 16:31	MR	EET MID
Total/NA	Analysis	Total BTEX		1			34316	09/12/22 16:56	SM	EET MID
Total/NA	Analysis	8015 NM		1			34270	09/12/22 10:21	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	34143	09/10/22 08:34	AM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	34139	09/10/22 18:48	SM	EET MID
Soluble	Leach	DI Leach			5.05 g	50 mL	34125	09/09/22 17:00	KS	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	34134	09/10/22 12:22	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: Mexico J Battery

Job ID: 880-19057-1
SDG: Lea Co, NM

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: Mexico J Battery

Job ID: 880-19057-1
SDG: Lea Co, NM

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: Mexico J Battery

Job ID: 880-19057-1
SDG: Lea Co, NM

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Depth
880-19057-1	3A 5'	Solid	09/02/22 10:38	09/09/22 16:36	5'
880-19057-2	3A 6'R	Solid	09/02/22 10:40	09/09/22 16:36	6'

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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: 19057

www.xenco.com Page _____ of _____

Project Manager:	Rayla Taylor	Bill to (if different)	Aaron Hickert
Company Name:	Talon LPE	Company Name:	Scout Energy
Address:		Address	13800 Montfort Dr.
City, State ZIP:	Rtaylor@talonlpe.com	City State ZIP:	Dallas, Tx 75240
Phone:	Email		ahickert@scoutep.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	Mexico J Battery	Turn Around	
Project Number:		☐ Routine	☒ Rush
Project Location	Lea Co, NM	Due Date	48 hr
Sampler's Name:	R. Taylor	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	IR8
Cooler Custody Seals.	Yes No N/A	Correction Factor:	0.20
Sample Custody Seals	Yes No N/A	Temperature Reading	4.4
Total Containers.		Corrected Temperature:	4.6

ANALYSIS REQUEST

Sample Identification	Matrix	Date Sampled	Time Sampled	Depth	Grab/ Comp	# of Cont	Pres. Code	TPH 8015M	BTEX 8021B	Chlorides 300.0	Sample Comments
3A 5'	S	9-2-22	1038	5'	G	1		X	X	X	
3A 6' R	S	9-2-22	1040	6'	G	1		X	X	X	

Parameters

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	

880-19057 Chain of Custody

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 / 2451 / 7470 / 7471

Notice: Signature of this document and relinquishment of samples constitutes a valid purchase order from client company to Eurofins Xenco, its affiliates and subcontractors. It assigns standard terms and conditions of service. Eurofins Xenco will be liable only for the cost of samples and shall not assume any responsibility for any losses or expenses incurred by the client if such losses are due to circumstances beyond the control of Eurofins Xenco. A minimum charge of $85.00 will be applied to each project and a charge of $5 for each sample submitted to Eurofins Xenco, but not analyzed. These terms will be enforced unless previously negotiated.

Relinquished by: (Signature)	Received by: (Signature)	Date/Time	Relinquished by: (Signature)	Received by: (Signature)	Date/Time
1 Rayla Taylor		9/9/22 1636	2		
3			4		
5			6		

Revised Date: 08/25/2020 Rev 2020.2

Received by OCD: 11/17/2022 9:10:10 AM

Released to Imaging: 1/30/2023 9:47:44 AM

9/13/2022

Login Sample Receipt Checklist

Client: Talon/LPE

Job Number: 880-19057-1
SDG Number: Lea Co, NM

Login Number: 19057
List Number: 1
Creator: Rodriguez, Leticia

List Source: Eurofins Midland

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	

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ANALYTICAL REPORT

Eurofins Midland
1211 W. Florida Ave
Midland, TX 79701
Tel: (432)704-5440

Laboratory Job ID: 880-20339-1
Laboratory Sample Delivery Group: Lea Co., New Mexico
Client Project/Site: Mexico J Battery

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

Attn: Kayla Taylor

JKRAMER

Authorized for release by:
10/24/2022 12:36:01 PM

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

LINKS
Review your project results through my EOL
Have a Question? Ask The Expert
Visit us at: www.eurofinsus.com/Env

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

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

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Released to Imaging: 1/30/2023 9:47:44 AM

Definitions/Glossary

Client: Talon/LPE
Job ID: 880-20339-1
Project/Site: Mexico J Battery
SDG: Lea Co., New Mexico

Qualifiers

GC VOA

Qualifier	Qualifier Description
F1	MS and/or MSD recovery exceeds control limits.
F2	MS/MSD 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.

GC Semi VOA

Qualifier	Qualifier Description
F1	MS and/or MSD recovery exceeds control limits.
F2	MS/MSD 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, low biased.
U	Indicates the analyte was analyzed for but not detected.

HPLC/IC

Qualifier	Qualifier Description
4	MS, MSD: The analyte present in the original sample is greater than 4 times the matrix spike concentration; therefore, control limits are not applicable.
E	Result exceeded calibration range.
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)

Definitions/Glossary

Client: Talon/LPE
Job ID: 880-20339-1
Project/Site: Mexico J Battery
SDG: Lea Co., New Mexico

Glossary (Continued)

Abbreviation	These commonly used abbreviations may or may not be present in this report.
TEQ	Toxicity Equivalent Quotient (Dioxin)
TNTC	Too Numerous To Count

Case Narrative

Client: Talon/LPE
Project/Site: Mexico J Battery

Job ID: 880-20339-1
SDG: Lea Co., New Mexico

Job ID: 880-20339-1

Laboratory: Eurofins Midland

Narrative

Job Narrative
880-20339-1

Receipt
The samples were received on 10/13/2022 8:15 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 1.8°C

GC VOA
Method 8021B: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for preparation batch 880-37154 and analytical batch 880-37351 were outside control limits. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample (LCS) recovery was within acceptance limits.

Method 8021B: Surrogate recovery for the following samples were outside control limits: S-4A (880-20339-1) and S-4A (880-20339-2). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

Method 8021B: Surrogate recovery for the following samples were outside control limits: S-4A (880-20339-4) and S-4A (880-20339-5). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

Method 8021B: Surrogate recovery for the following sample was outside control limits: S-5A (880-20339-10). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

Method 8021B: Surrogate recovery for the following sample was outside control limits: S-6A (880-20339-12). 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: Surrogate recovery for the following samples were outside control limits: (880-20328-A-8-E MS) and (880-20328-A-8-F MSD). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

Method 8015MOD_NM: The matrix spike / matrix spike duplicate (MS/MSD) recoveries and precision for preparation batch 880-36937 and analytical batch 880-36924 were outside control limits. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample / laboratory sample control duplicate (LCS/LCSD) precision was within acceptance limits.

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

HPLC/IC
Method 300_ORGFM_28D: The native sample, matrix spike, and matrix spike duplicate (MS/MSD) associated with preparation batch 880-36932 and analytical batch 880-37029 were performed at the same dilution. Due to the additional level of analyte present in the spiked samples, the concentration of Chloride in the MS/MSD was above the instrument calibration range. The data have been reported and qualified.

Method 300_ORGFM_28D: The matrix spike / matrix spike duplicate (MS/MSD) recoveries and precision for preparation batch 880-36932 and analytical batch 880-37029 were outside control limits. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample / laboratory sample control duplicate (LCS/LCSD) precision was within acceptance limits.

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: Mexico J Battery

Job ID: 880-20339-1
SDG: Lea Co., New Mexico

Client Sample ID: S-4A
Lab Sample ID: 880-20339-1

Date Collected: 10/12/22 11:10
Matrix: Solid
Date Received: 10/13/22 08:15
Sample Depth: 4'

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	0.0199	J	0.0501	0.00964	mg/Kg		10/17/22 12:38	10/20/22 17:25	25
Toluene	0.0353	J	0.0501	0.0114	mg/Kg		10/17/22 12:38	10/20/22 17:25	25
Ethylbenzene	1.45		0.0501	0.0142	mg/Kg		10/17/22 12:38	10/20/22 17:25	25
m-Xylene & p-Xylene	3.80		0.100	0.0253	mg/Kg		10/17/22 12:38	10/20/22 17:25	25
o-Xylene	0.943		0.0501	0.00862	mg/Kg		10/17/22 12:38	10/20/22 17:25	25
Xylenes, Total	4.74		0.100	0.0253	mg/Kg		10/17/22 12:38	10/20/22 17:25	25

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*157*	*S1+*	*70 - 130*	*10/17/22 12:38*	*10/20/22 17:25*	*25*
1,4-Difluorobenzene (Surr)	*79*		*70 - 130*	*10/17/22 12:38*	*10/20/22 17:25*	*25*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	6.25		0.100	0.0253	mg/Kg			10/21/22 13:44	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	14400		249	74.8	mg/Kg			10/17/22 08:55	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	1620		249	74.8	mg/Kg		10/14/22 08:59	10/14/22 12:41	5
Diesel Range Organics (Over C10-C28)	8440		249	74.8	mg/Kg		10/14/22 08:59	10/14/22 12:41	5
Oil Range Organics (Over C28-C36)	4330		249	74.8	mg/Kg		10/14/22 08:59	10/14/22 12:41	5

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*116*		*70 - 130*	*10/14/22 08:59*	*10/14/22 12:41*	*5*
o-Terphenyl	*92*		*70 - 130*	*10/14/22 08:59*	*10/14/22 12:41*	*5*

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	1360		5.04	0.398	mg/Kg			10/18/22 16:14	1

Client Sample ID: S-4A
Lab Sample ID: 880-20339-2

Date Collected: 10/12/22 11:12
Matrix: Solid
Date Received: 10/13/22 08:15
Sample Depth: 6'

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	0.0137	J	0.0498	0.00959	mg/Kg		10/17/22 12:38	10/20/22 17:45	25
Toluene	<0.0114	U	0.0498	0.0114	mg/Kg		10/17/22 12:38	10/20/22 17:45	25
Ethylbenzene	0.534		0.0498	0.0141	mg/Kg		10/17/22 12:38	10/20/22 17:45	25
m-Xylene & p-Xylene	1.76		0.0996	0.0251	mg/Kg		10/17/22 12:38	10/20/22 17:45	25
o-Xylene	0.212		0.0498	0.00857	mg/Kg		10/17/22 12:38	10/20/22 17:45	25
Xylenes, Total	1.97		0.0996	0.0251	mg/Kg		10/17/22 12:38	10/20/22 17:45	25

Client Sample Results

Client: Talon/LPE
Project/Site: Mexico J Battery

Job ID: 880-20339-1
SDG: Lea Co., New Mexico

Client Sample ID: S-4A
Lab Sample ID: 880-20339-2

Date Collected: 10/12/22 11:12
Matrix: Solid
Date Received: 10/13/22 08:15
Sample Depth: 6'

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	137	S1+	70 - 130	10/17/22 12:38	10/20/22 17:45	25
1,4-Difluorobenzene (Surr)	84		70 - 130	10/17/22 12:38	10/20/22 17:45	25

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	2.52		0.0996	0.0251	mg/Kg			10/21/22 13:44	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	7350		249	74.7	mg/Kg			10/17/22 08:55	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	911		249	74.7	mg/Kg		10/14/22 08:59	10/14/22 13:02	5
Diesel Range Organics (Over C10-C28)	4340		249	74.7	mg/Kg		10/14/22 08:59	10/14/22 13:02	5
Oil Range Organics (Over C28-C36)	2100		249	74.7	mg/Kg		10/14/22 08:59	10/14/22 13:02	5

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	106		70 - 130	10/14/22 08:59	10/14/22 13:02	5
o-Terphenyl	93		70 - 130	10/14/22 08:59	10/14/22 13:02	5

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	1410		25.0	1.98	mg/Kg			10/18/22 16:29	5

Client Sample ID: S-4A
Lab Sample ID: 880-20339-3

Date Collected: 10/12/22 11:14
Matrix: Solid
Date Received: 10/13/22 08:15
Sample Depth: 8'

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00961	U	0.0499	0.00961	mg/Kg		10/17/22 12:38	10/20/22 18:06	25
Toluene	0.0296	J	0.0499	0.0114	mg/Kg		10/17/22 12:38	10/20/22 18:06	25
Ethylbenzene	0.0451	J	0.0499	0.0141	mg/Kg		10/17/22 12:38	10/20/22 18:06	25
m-Xylene & p-Xylene	0.405		0.0998	0.0252	mg/Kg		10/17/22 12:38	10/20/22 18:06	25
o-Xylene	0.0102	J	0.0499	0.00858	mg/Kg		10/17/22 12:38	10/20/22 18:06	25
Xylenes, Total	0.415		0.0998	0.0252	mg/Kg		10/17/22 12:38	10/20/22 18:06	25

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	120		70 - 130	10/17/22 12:38	10/20/22 18:06	25
1,4-Difluorobenzene (Surr)	81		70 - 130	10/17/22 12:38	10/20/22 18:06	25

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	0.490		0.0998	0.0252	mg/Kg			10/21/22 13:44	1

Client Sample Results

Client: Talon/LPE
Project/Site: Mexico J Battery

Job ID: 880-20339-1
SDG: Lea Co., New Mexico

Client Sample ID: S-4A

Lab Sample ID: 880-20339-3
Matrix: Solid

Date Collected: 10/12/22 11:14
Date Received: 10/13/22 08:15
Sample Depth: 8'

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	2930		49.9	15.0	mg/Kg			10/17/22 08:55	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	258		49.9	15.0	mg/Kg		10/14/22 08:59	10/14/22 13:44	1
Diesel Range Organics (Over C10-C28)	1860		49.9	15.0	mg/Kg		10/14/22 08:59	10/14/22 13:44	1
Oil Range Organics (Over C28-C36)	811		49.9	15.0	mg/Kg		10/14/22 08:59	10/14/22 13:44	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*112*		*70 - 130*	*10/14/22 08:59*	*10/14/22 13:44*	*1*
o-Terphenyl	*104*		*70 - 130*	*10/14/22 08:59*	*10/14/22 13:44*	*1*

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	926		5.00	0.395	mg/Kg			10/18/22 16:33	1

Client Sample ID: S-4A

Lab Sample ID: 880-20339-4
Matrix: Solid

Date Collected: 10/12/22 11:16
Date Received: 10/13/22 08:15
Sample Depth: 10'

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00953	U	0.0495	0.00953	mg/Kg		10/17/22 12:38	10/20/22 18:27	25
Toluene	0.0381	J	0.0495	0.0113	mg/Kg		10/17/22 12:38	10/20/22 18:27	25
Ethylbenzene	1.14		0.0495	0.0140	mg/Kg		10/17/22 12:38	10/20/22 18:27	25
m-Xylene & p-Xylene	4.93		0.0990	0.0250	mg/Kg		10/17/22 12:38	10/20/22 18:27	25
o-Xylene	0.811		0.0495	0.00851	mg/Kg		10/17/22 12:38	10/20/22 18:27	25
Xylenes, Total	5.74		0.0990	0.0250	mg/Kg		10/17/22 12:38	10/20/22 18:27	25

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*232*	*S1+*	*70 - 130*	*10/17/22 12:38*	*10/20/22 18:27*	*25*
1,4-Difluorobenzene (Surr)	*81*		*70 - 130*	*10/17/22 12:38*	*10/20/22 18:27*	*25*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	6.92		0.0990	0.0250	mg/Kg			10/21/22 13:44	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	4180		49.9	15.0	mg/Kg			10/17/22 08:55	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	408		49.9	15.0	mg/Kg		10/14/22 08:59	10/14/22 13:23	1
Diesel Range Organics (Over C10-C28)	2500		49.9	15.0	mg/Kg		10/14/22 08:59	10/14/22 13:23	1

Client Sample Results

Client: Talon/LPE
Project/Site: Mexico J Battery

Job ID: 880-20339-1
SDG: Lea Co., New Mexico

Client Sample ID: S-4A
Lab Sample ID: 880-20339-4

Date Collected: 10/12/22 11:16
Matrix: Solid
Date Received: 10/13/22 08:15
Sample Depth: 10'

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Oll Range Organics (Over C28-C36)	1270		49.9	15.0	mg/Kg		10/14/22 08:59	10/14/22 13:23	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*112*		*70 - 130*	*10/14/22 08:59*	*10/14/22 13:23*	*1*
o-Terphenyl	*105*		*70 - 130*	*10/14/22 08:59*	*10/14/22 13:23*	*1*

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	971		5.01	0.396	mg/Kg			10/18/22 16:38	1

Client Sample ID: S-4A
Lab Sample ID: 880-20339-5

Date Collected: 10/12/22 11:18
Matrix: Solid
Date Received: 10/13/22 08:15
Sample Depth: 12'

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00964	U	0.0501	0.00964	mg/Kg		10/17/22 12:38	10/20/22 18:48	25
Toluene	<0.0114	U	0.0501	0.0114	mg/Kg		10/17/22 12:38	10/20/22 18:48	25
Ethylbenzene	0.106		0.0501	0.0142	mg/Kg		10/17/22 12:38	10/20/22 18:48	25
m-Xylene & p-Xylene	0.673		0.100	0.0253	mg/Kg		10/17/22 12:38	10/20/22 18:48	25
o-Xylene	0.0296	J	0.0501	0.00862	mg/Kg		10/17/22 12:38	10/20/22 18:48	25
Xylenes, Total	0.703		0.100	0.0253	mg/Kg		10/17/22 12:38	10/20/22 18:48	25

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*162*	*S1+*	*70 - 130*	*10/17/22 12:38*	*10/20/22 18:48*	*25*
1,4-Difluorobenzene (Surr)	*86*		*70 - 130*	*10/17/22 12:38*	*10/20/22 18:48*	*25*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	0.809		0.100	0.0253	mg/Kg			10/21/22 13:44	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	2680		49.9	15.0	mg/Kg			10/17/22 08:55	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	179		49.9	15.0	mg/Kg		10/14/22 08:59	10/14/22 14:26	1
Diesel Range Organics (Over C10-C28)	1740		49.9	15.0	mg/Kg		10/14/22 08:59	10/14/22 14:26	1
Oll Range Organics (Over C28-C36)	759		49.9	15.0	mg/Kg		10/14/22 08:59	10/14/22 14:26	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*98*		*70 - 130*	*10/14/22 08:59*	*10/14/22 14:26*	*1*
o-Terphenyl	*87*		*70 - 130*	*10/14/22 08:59*	*10/14/22 14:26*	*1*

Client Sample Results

Client: Talon/LPE
Project/Site: Mexico J Battery

Job ID: 880-20339-1
SDG: Lea Co., New Mexico

Client Sample ID: S-4A
Lab Sample ID: 880-20339-5

Date Collected: 10/12/22 11:18
Matrix: Solid
Date Received: 10/13/22 08:15
Sample Depth: 12'

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	814		5.02	0.397	mg/Kg			10/18/22 16:43	1

Client Sample ID: S-4A
Lab Sample ID: 880-20339-6

Date Collected: 10/12/22 11:20
Matrix: Solid
Date Received: 10/13/22 08:15
Sample Depth: 14'

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00970	U	0.0504	0.00970	mg/Kg		10/17/22 12:38	10/20/22 19:08	25
Toluene	0.0236	J	0.0504	0.0115	mg/Kg		10/17/22 12:38	10/20/22 19:08	25
Ethylbenzene	0.0376	J	0.0504	0.0142	mg/Kg		10/17/22 12:38	10/20/22 19:08	25
m-Xylene & p-Xylene	0.117		0.101	0.0255	mg/Kg		10/17/22 12:38	10/20/22 19:08	25
o-Xylene	<0.00867	U	0.0504	0.00867	mg/Kg		10/17/22 12:38	10/20/22 19:08	25
Xylenes, Total	0.117		0.101	0.0255	mg/Kg		10/17/22 12:38	10/20/22 19:08	25

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*119*		*70 - 130*	*10/17/22 12:38*	*10/20/22 19:08*	*25*
1,4-Difluorobenzene (Surr)	*92*		*70 - 130*	*10/17/22 12:38*	*10/20/22 19:08*	*25*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	0.178		0.101	0.0255	mg/Kg			10/21/22 13:44	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	1480		50.0	15.0	mg/Kg			10/17/22 08:55	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	68.8		50.0	15.0	mg/Kg		10/14/22 08:59	10/14/22 15:07	1
Diesel Range Organics (Over C10-C28)	992		50.0	15.0	mg/Kg		10/14/22 08:59	10/14/22 15:07	1
Oil Range Organics (Over C28-C36)	419		50.0	15.0	mg/Kg		10/14/22 08:59	10/14/22 15:07	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*95*		*70 - 130*	*10/14/22 08:59*	*10/14/22 15:07*	*1*
o-Terphenyl	*97*		*70 - 130*	*10/14/22 08:59*	*10/14/22 15:07*	*1*

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	1170		5.01	0.396	mg/Kg			10/18/22 16:58	1

Client Sample Results

Client: Talon/LPE
Project/Site: Mexico J Battery

Job ID: 880-20339-1
SDG: Lea Co., New Mexico

Client Sample ID: S-4A
Lab Sample ID: 880-20339-7

Date Collected: 10/12/22 11:22
Date Received: 10/13/22 08:15
Sample Depth: 16'
Matrix: Solid

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.000382	U F1 F2	0.00198	0.000382	mg/Kg		10/17/22 12:38	10/20/22 11:12	1
Toluene	<0.000452	U F1 F2	0.00198	0.000452	mg/Kg		10/17/22 12:38	10/20/22 11:12	1
Ethylbenzene	<0.000561	U F1 F2	0.00198	0.000561	mg/Kg		10/17/22 12:38	10/20/22 11:12	1
m-Xylene & p-Xylene	<0.00100	U F1 F2	0.00397	0.00100	mg/Kg		10/17/22 12:38	10/20/22 11:12	1
o-Xylene	<0.000341	U F1 F2	0.00198	0.000341	mg/Kg		10/17/22 12:38	10/20/22 11:12	1
Xylenes, Total	<0.00100	U F1 F2	0.00397	0.00100	mg/Kg		10/17/22 12:38	10/20/22 11:12	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*115*		*70 - 130*	*10/17/22 12:38*	*10/20/22 11:12*	*1*
1,4-Difluorobenzene (Surr)	*90*		*70 - 130*	*10/17/22 12:38*	*10/20/22 11:12*	*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	0.00397	0.00100	mg/Kg			10/20/22 14:48	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	**271**		50.0	15.0	mg/Kg			10/17/22 08:55	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	**30.8**	**J**	50.0	15.0	mg/Kg		10/14/22 08:59	10/14/22 16:59	1
Diesel Range Organics (Over C10-C28)	**144**		50.0	15.0	mg/Kg		10/14/22 08:59	10/14/22 16:59	1
Oil Range Organics (Over C28-C36)	**96.5**		50.0	15.0	mg/Kg		10/14/22 08:59	10/14/22 16:59	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*90*		*70 - 130*	*10/14/22 08:59*	*10/14/22 16:59*	*1*
o-Terphenyl	*96*		*70 - 130*	*10/14/22 08:59*	*10/14/22 16:59*	*1*

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**1010**		4.97	0.393	mg/Kg			10/18/22 17:03	1

Client Sample ID: S-4A
Lab Sample ID: 880-20339-8

Date Collected: 10/12/22 11:24
Date Received: 10/13/22 08:15
Sample Depth: 18'
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		10/17/22 12:38	10/20/22 11:32	1
Toluene	<0.000453	U	0.00199	0.000453	mg/Kg		10/17/22 12:38	10/20/22 11:32	1
Ethylbenzene	<0.000562	U	0.00199	0.000562	mg/Kg		10/17/22 12:38	10/20/22 11:32	1
m-Xylene & p-Xylene	<0.00100	U	0.00398	0.00100	mg/Kg		10/17/22 12:38	10/20/22 11:32	1
o-Xylene	<0.000342	U	0.00199	0.000342	mg/Kg		10/17/22 12:38	10/20/22 11:32	1
Xylenes, Total	<0.00100	U	0.00398	0.00100	mg/Kg		10/17/22 12:38	10/20/22 11:32	1

Client Sample Results

Client: Talon/LPE
Project/Site: Mexico J Battery

Job ID: 880-20339-1
SDG: Lea Co., New Mexico

Client Sample ID: S-4A

Lab Sample ID: 880-20339-8
Matrix: Solid

Date Collected: 10/12/22 11:24
Date Received: 10/13/22 08:15
Sample Depth: 18'

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	106		70 - 130	10/17/22 12:38	10/20/22 11:32	1
1,4-Difluorobenzene (Surr)	90		70 - 130	10/17/22 12:38	10/20/22 11:32	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			10/20/22 14:48	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	**196**		49.8	14.9	mg/Kg			10/17/22 08:55	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	**28.3**	**J**	49.8	14.9	mg/Kg		10/14/22 08:59	10/14/22 17:20	1
Diesel Range Organics (Over C10-C28)	**55.1**		49.8	14.9	mg/Kg		10/14/22 08:59	10/14/22 17:20	1
Oil Range Organics (Over C28-C36)	**113**		49.8	14.9	mg/Kg		10/14/22 08:59	10/14/22 17:20	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	87		70 - 130	10/14/22 08:59	10/14/22 17:20	1
o-Terphenyl	92		70 - 130	10/14/22 08:59	10/14/22 17:20	1

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**538**		4.95	0.391	mg/Kg			10/18/22 17:07	1

Client Sample ID: S-5A

Lab Sample ID: 880-20339-9
Matrix: Solid

Date Collected: 10/12/22 10:50
Date Received: 10/13/22 08:15
Sample Depth: 4'

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00963	U	0.0500	0.00963	mg/Kg		10/17/22 12:38	10/20/22 19:29	25
Toluene	**0.0218**	**J**	0.0500	0.0114	mg/Kg		10/17/22 12:38	10/20/22 19:29	25
Ethylbenzene	<0.0141	U	0.0500	0.0141	mg/Kg		10/17/22 12:38	10/20/22 19:29	25
m-Xylene & p-Xylene	<0.0253	U	0.100	0.0253	mg/Kg		10/17/22 12:38	10/20/22 19:29	25
o-Xylene	<0.00860	U	0.0500	0.00860	mg/Kg		10/17/22 12:38	10/20/22 19:29	25
Xylenes, Total	<0.0253	U	0.100	0.0253	mg/Kg		10/17/22 12:38	10/20/22 19:29	25

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	98		70 - 130	10/17/22 12:38	10/20/22 19:29	25
1,4-Difluorobenzene (Surr)	85		70 - 130	10/17/22 12:38	10/20/22 19:29	25

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.0253	U	0.100	0.0253	mg/Kg			10/21/22 13:44	1

Client Sample Results

Client: Talon/LPE
Project/Site: Mexico J Battery

Job ID: 880-20339-1
SDG: Lea Co., New Mexico

Client Sample ID: S-5A

Lab Sample ID: 880-20339-9
Matrix: Solid

Date Collected: 10/12/22 10:50
Date Received: 10/13/22 08:15
Sample Depth: 4'

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	786		49.8	14.9	mg/Kg			10/17/22 08:55	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	41.7	J	49.8	14.9	mg/Kg		10/14/22 08:59	10/14/22 15:28	1
Diesel Range Organics (Over C10-C28)	471		49.8	14.9	mg/Kg		10/14/22 08:59	10/14/22 15:28	1
Oil Range Organics (Over C28-C36)	273		49.8	14.9	mg/Kg		10/14/22 08:59	10/14/22 15:28	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*92*		*70 - 130*	*10/14/22 08:59*	*10/14/22 15:28*	*1*
o-Terphenyl	*99*		*70 - 130*	*10/14/22 08:59*	*10/14/22 15:28*	*1*

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	496		4.95	0.391	mg/Kg			10/18/22 17:12	1

Client Sample ID: S-5A

Lab Sample ID: 880-20339-10
Matrix: Solid

Date Collected: 10/12/22 10:54
Date Received: 10/13/22 08:15
Sample Depth: 6'

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00964	U	0.0501	0.00964	mg/Kg		10/17/22 12:38	10/20/22 19:50	25
Toluene	<0.0114	U	0.0501	0.0114	mg/Kg		10/17/22 12:38	10/20/22 19:50	25
Ethylbenzene	0.337		0.0501	0.0142	mg/Kg		10/17/22 12:38	10/20/22 19:50	25
m-Xylene & p-Xylene	0.441		0.100	0.0253	mg/Kg		10/17/22 12:38	10/20/22 19:50	25
o-Xylene	<0.00862	U	0.0501	0.00862	mg/Kg		10/17/22 12:38	10/20/22 19:50	25
Xylenes, Total	0.441		0.100	0.0253	mg/Kg		10/17/22 12:38	10/20/22 19:50	25

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*144*	*S1+*	*70 - 130*	*10/17/22 12:38*	*10/20/22 19:50*	*25*
1,4-Difluorobenzene (Surr)	*78*		*70 - 130*	*10/17/22 12:38*	*10/20/22 19:50*	*25*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	0.778		0.100	0.0253	mg/Kg			10/21/22 13:44	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	2250		50.0	15.0	mg/Kg			10/17/22 08:55	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	136		50.0	15.0	mg/Kg		10/14/22 08:59	10/14/22 14:05	1
Diesel Range Organics (Over C10-C28)	1300		50.0	15.0	mg/Kg		10/14/22 08:59	10/14/22 14:05	1

Client Sample Results

Client: Talon/LPE
Project/Site: Mexico J Battery

Job ID: 880-20339-1
SDG: Lea Co., New Mexico

Client Sample ID: S-5A

Lab Sample ID: 880-20339-10
Matrix: Solid

Date Collected: 10/12/22 10:54
Date Received: 10/13/22 08:15
Sample Depth: 6'

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Oll Range Organics (Over C28-C36)	809		50.0	15.0	mg/Kg		10/14/22 08:59	10/14/22 14:05	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*100*		*70 - 130*	*10/14/22 08:59*	*10/14/22 14:05*	*1*
o-Terphenyl	*98*		*70 - 130*	*10/14/22 08:59*	*10/14/22 14:05*	*1*

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	209		5.00	0.395	mg/Kg			10/18/22 17:17	1

Client Sample ID: S-5A

Lab Sample ID: 880-20339-11
Matrix: Solid

Date Collected: 10/12/22 10:58
Date Received: 10/13/22 08:15
Sample Depth: 8'

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00968	U	0.0503	0.00968	mg/Kg		10/17/22 12:38	10/20/22 20:11	25
Toluene	0.0266	J	0.0503	0.0115	mg/Kg		10/17/22 12:38	10/20/22 20:11	25
Ethylbenzene	<0.0142	U	0.0503	0.0142	mg/Kg		10/17/22 12:38	10/20/22 20:11	25
m-Xylene & p-Xylene	<0.0254	U	0.101	0.0254	mg/Kg		10/17/22 12:38	10/20/22 20:11	25
o-Xylene	<0.00865	U	0.0503	0.00865	mg/Kg		10/17/22 12:38	10/20/22 20:11	25
Xylenes, Total	<0.0254	U	0.101	0.0254	mg/Kg		10/17/22 12:38	10/20/22 20:11	25

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*104*		*70 - 130*	*10/17/22 12:38*	*10/20/22 20:11*	*25*
1,4-Difluorobenzene (Surr)	*90*		*70 - 130*	*10/17/22 12:38*	*10/20/22 20:11*	*25*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	0.0266	J	0.101	0.0254	mg/Kg			10/21/22 13:44	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	36.3	J	49.9	15.0	mg/Kg			10/17/22 08:55	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	36.3	J	49.9	15.0	mg/Kg		10/14/22 08:59	10/14/22 17:42	1
Diesel Range Organics (Over C10-C28)	<15.0	U	49.9	15.0	mg/Kg		10/14/22 08:59	10/14/22 17:42	1
Oll Range Organics (Over C28-C36)	<15.0	U	49.9	15.0	mg/Kg		10/14/22 08:59	10/14/22 17:42	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*100*		*70 - 130*	*10/14/22 08:59*	*10/14/22 17:42*	*1*
o-Terphenyl	*110*		*70 - 130*	*10/14/22 08:59*	*10/14/22 17:42*	*1*

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	155		5.01	0.396	mg/Kg			10/18/22 17:22	1

Client Sample Results

Client: Talon/LPE
Project/Site: Mexico J Battery

Job ID: 880-20339-1
SDG: Lea Co., New Mexico

Client Sample ID: S-6A
Lab Sample ID: 880-20339-12

Date Collected: 10/12/22 10:02
Date Received: 10/13/22 08:15
Sample Depth: 4'
Matrix: Solid

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	0.0102	J	0.0501	0.00964	mg/Kg		10/17/22 12:38	10/20/22 20:31	25
Toluene	0.0206	J	0.0501	0.0114	mg/Kg		10/17/22 12:38	10/20/22 20:31	25
Ethylbenzene	0.0761		0.0501	0.0142	mg/Kg		10/17/22 12:38	10/20/22 20:31	25
m-Xylene & p-Xylene	0.330		0.100	0.0253	mg/Kg		10/17/22 12:38	10/20/22 20:31	25
o-Xylene	0.0230	J	0.0501	0.00862	mg/Kg		10/17/22 12:38	10/20/22 20:31	25
Xylenes, Total	0.353		0.100	0.0253	mg/Kg		10/17/22 12:38	10/20/22 20:31	25

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*143*	*S1+*	*70 - 130*	*10/17/22 12:38*	*10/20/22 20:31*	*25*
1,4-Difluorobenzene (Surr)	*86*		*70 - 130*	*10/17/22 12:38*	*10/20/22 20:31*	*25*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	0.460		0.100	0.0253	mg/Kg			10/21/22 13:44	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	1620		50.0	15.0	mg/Kg			10/17/22 08:55	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	123		50.0	15.0	mg/Kg		10/14/22 08:59	10/14/22 14:47	1
Diesel Range Organics (Over C10-C28)	941		50.0	15.0	mg/Kg		10/14/22 08:59	10/14/22 14:47	1
Oil Range Organics (Over C28-C36)	552		50.0	15.0	mg/Kg		10/14/22 08:59	10/14/22 14:47	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*101*		*70 - 130*	*10/14/22 08:59*	*10/14/22 14:47*	*1*
o-Terphenyl	*99*		*70 - 130*	*10/14/22 08:59*	*10/14/22 14:47*	*1*

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	365		4.99	0.394	mg/Kg			10/18/22 17:36	1

Client Sample ID: S-6A
Lab Sample ID: 880-20339-13

Date Collected: 10/12/22 10:04
Date Received: 10/13/22 08:15
Sample Depth: 6'
Matrix: Solid

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	0.0593		0.0200	0.00384	mg/Kg		10/17/22 12:38	10/20/22 14:33	10
Toluene	0.0612		0.0200	0.00455	mg/Kg		10/17/22 12:38	10/20/22 14:33	10
Ethylbenzene	<0.00564	U	0.0200	0.00564	mg/Kg		10/17/22 12:38	10/20/22 14:33	10
m-Xylene & p-Xylene	<0.0101	U	0.0399	0.0101	mg/Kg		10/17/22 12:38	10/20/22 14:33	10
o-Xylene	0.00673	J	0.0200	0.00343	mg/Kg		10/17/22 12:38	10/20/22 14:33	10
Xylenes, Total	<0.0101	U	0.0399	0.0101	mg/Kg		10/17/22 12:38	10/20/22 14:33	10

Client Sample Results

Client: Talon/LPE
Project/Site: Mexico J Battery

Job ID: 880-20339-1
SDG: Lea Co., New Mexico

Client Sample ID: S-6A
Lab Sample ID: 880-20339-13

Date Collected: 10/12/22 10:04
Matrix: Solid
Date Received: 10/13/22 08:15
Sample Depth: 6'

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	116		70 - 130	10/17/22 12:38	10/20/22 14:33	10
1,4-Difluorobenzene (Surr)	93		70 - 130	10/17/22 12:38	10/20/22 14:33	10

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	0.127		0.0399	0.0101	mg/Kg			10/20/22 16:07	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	458		49.8	14.9	mg/Kg			10/17/22 08:55	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	25.3	J	49.8	14.9	mg/Kg		10/14/22 08:59	10/14/22 16:39	1
Diesel Range Organics (Over C10-C28)	281		49.8	14.9	mg/Kg		10/14/22 08:59	10/14/22 16:39	1
Oil Range Organics (Over C28-C36)	152		49.8	14.9	mg/Kg		10/14/22 08:59	10/14/22 16:39	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	86		70 - 130	10/14/22 08:59	10/14/22 16:39	1
o-Terphenyl	91		70 - 130	10/14/22 08:59	10/14/22 16:39	1

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	355		4.98	0.393	mg/Kg			10/18/22 17:41	1

Client Sample ID: S-6A
Lab Sample ID: 880-20339-14

Date Collected: 10/12/22 10:06
Matrix: Solid
Date Received: 10/13/22 08:15
Sample Depth: 8'

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.000388	U	0.00202	0.000388	mg/Kg		10/17/22 12:38	10/20/22 13:31	1
Toluene	<0.000460	U	0.00202	0.000460	mg/Kg		10/17/22 12:38	10/20/22 13:31	1
Ethylbenzene	<0.000570	U	0.00202	0.000570	mg/Kg		10/17/22 12:38	10/20/22 13:31	1
m-Xylene & p-Xylene	<0.00102	U	0.00403	0.00102	mg/Kg		10/17/22 12:38	10/20/22 13:31	1
o-Xylene	<0.000347	U	0.00202	0.000347	mg/Kg		10/17/22 12:38	10/20/22 13:31	1
Xylenes, Total	<0.00102	U	0.00403	0.00102	mg/Kg		10/17/22 12:38	10/20/22 13:31	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	102		70 - 130	10/17/22 12:38	10/20/22 13:31	1
1,4-Difluorobenzene (Surr)	88		70 - 130	10/17/22 12:38	10/20/22 13:31	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	0.00403	0.00102	mg/Kg			10/20/22 14:48	1

Client Sample Results

Client: Talon/LPE
Project/Site: Mexico J Battery

Job ID: 880-20339-1
SDG: Lea Co., New Mexico

Client Sample ID: S-6A
Lab Sample ID: 880-20339-14

Date Collected: 10/12/22 10:06
Date Received: 10/13/22 08:15
Sample Depth: 8'
Matrix: Solid

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	45.8	J	50.0	15.0	mg/Kg			10/17/22 08:55	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	22.4	J	50.0	15.0	mg/Kg		10/14/22 08:59	10/14/22 18:03	1
Diesel Range Organics (Over C10-C28)	23.4	J	50.0	15.0	mg/Kg		10/14/22 08:59	10/14/22 18:03	1
Oil Range Organics (Over C28-C36)	<15.0	U	50.0	15.0	mg/Kg		10/14/22 08:59	10/14/22 18:03	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*96*		*70 - 130*	*10/14/22 08:59*	*10/14/22 18:03*	*1*
o-Terphenyl	*104*		*70 - 130*	*10/14/22 08:59*	*10/14/22 18:03*	*1*

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	181		5.03	0.397	mg/Kg			10/18/22 17:56	1

Client Sample ID: S-6A
Lab Sample ID: 880-20339-15

Date Collected: 10/12/22 10:08
Date Received: 10/13/22 08:15
Sample Depth: 10'
Matrix: Solid

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	0.000385	J	0.00200	0.000384	mg/Kg		10/17/22 12:38	10/20/22 13:52	1
Toluene	0.000494	J	0.00200	0.000455	mg/Kg		10/17/22 12:38	10/20/22 13:52	1
Ethylbenzene	<0.000564	U	0.00200	0.000564	mg/Kg		10/17/22 12:38	10/20/22 13:52	1
m-Xylene & p-Xylene	<0.00101	U	0.00399	0.00101	mg/Kg		10/17/22 12:38	10/20/22 13:52	1
o-Xylene	<0.000343	U	0.00200	0.000343	mg/Kg		10/17/22 12:38	10/20/22 13:52	1
Xylenes, Total	<0.00101	U	0.00399	0.00101	mg/Kg		10/17/22 12:38	10/20/22 13:52	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*121*		*70 - 130*	*10/17/22 12:38*	*10/20/22 13:52*	*1*
1,4-Difluorobenzene (Surr)	*96*		*70 - 130*	*10/17/22 12:38*	*10/20/22 13:52*	*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	0.00399	0.00101	mg/Kg			10/20/22 14:48	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	43.0	J	50.0	15.0	mg/Kg			10/17/22 08:55	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	26.7	J	50.0	15.0	mg/Kg		10/14/22 08:59	10/14/22 18:24	1
Diesel Range Organics (Over C10-C28)	16.3	J	50.0	15.0	mg/Kg		10/14/22 08:59	10/14/22 18:24	1
Oil Range Organics (Over C28-C36)	<15.0	U	50.0	15.0	mg/Kg		10/14/22 08:59	10/14/22 18:24	1

Client Sample Results

Client: Talon/LPE
Project/Site: Mexico J Battery

Job ID: 880-20339-1
SDG: Lea Co., New Mexico

Client Sample ID: S-6A
Lab Sample ID: 880-20339-15

Date Collected: 10/12/22 10:08
Date Received: 10/13/22 08:15
Sample Depth: 10'
Matrix: Solid

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	98		70 - 130	10/14/22 08:59	10/14/22 18:24	1
o-Terphenyl	107		70 - 130	10/14/22 08:59	10/14/22 18:24	1

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	196		5.04	0.398	mg/Kg			10/18/22 18:01	1

Client Sample ID: S-6A
Lab Sample ID: 880-20339-16

Date Collected: 10/12/22 10:10
Date Received: 10/13/22 08:15
Sample Depth: 12'
Matrix: Solid

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.000381	U	0.00198	0.000381	mg/Kg		10/17/22 12:38	10/20/22 14:12	1
Toluene	<0.000451	U	0.00198	0.000451	mg/Kg		10/17/22 12:38	10/20/22 14:12	1
Ethylbenzene	<0.000559	U	0.00198	0.000559	mg/Kg		10/17/22 12:38	10/20/22 14:12	1
m-Xylene & p-Xylene	<0.00100	U	0.00396	0.00100	mg/Kg		10/17/22 12:38	10/20/22 14:12	1
o-Xylene	<0.000341	U	0.00198	0.000341	mg/Kg		10/17/22 12:38	10/20/22 14:12	1
Xylenes, Total	<0.00100	U	0.00396	0.00100	mg/Kg		10/17/22 12:38	10/20/22 14:12	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	107		70 - 130	10/17/22 12:38	10/20/22 14:12	1
1,4-Difluorobenzene (Surr)	91		70 - 130	10/17/22 12:38	10/20/22 14:12	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	0.00396	0.00100	mg/Kg			10/20/22 16:07	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	29.7	J	50.0	15.0	mg/Kg			10/17/22 08:55	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	29.7	J	50.0	15.0	mg/Kg		10/14/22 08:59	10/14/22 18:45	1
Diesel Range Organics (Over C10-C28)	<15.0	U	50.0	15.0	mg/Kg		10/14/22 08:59	10/14/22 18:45	1
OII Range Organics (Over C28-C36)	<15.0	U	50.0	15.0	mg/Kg		10/14/22 08:59	10/14/22 18:45	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	77		70 - 130	10/14/22 08:59	10/14/22 18:45	1
o-Terphenyl	85		70 - 130	10/14/22 08:59	10/14/22 18:45	1

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	248		4.98	0.393	mg/Kg			10/18/22 18:06	1

Surrogate Summary

Client: Talon/LPE
Project/Site: Mexico J Battery

Job ID: 880-20339-1
SDG: Lea Co., New Mexico

Method: 8021B - Volatile Organic Compounds (GC)

Matrix: Solid **Prep Type: Total/NA**

Lab Sample ID	Client Sample ID	BFB1 (70-130)	DFBZ1 (70-130)
880-20339-1	S-4A	157 S1+	79
880-20339-2	S-4A	137 S1+	84
880-20339-3	S-4A	120	81
880-20339-4	S-4A	232 S1+	81
880-20339-5	S-4A	162 S1+	86
880-20339-6	S-4A	119	92
880-20339-7	S-4A	115	90
880-20339-7 MS	S-4A	99	85
880-20339-7 MSD	S-4A	97	87
880-20339-8	S-4A	106	90
880-20339-9	S-5A	98	85
880-20339-10	S-5A	144 S1+	78
880-20339-11	S-5A	104	90
880-20339-12	S-6A	143 S1+	86
880-20339-13	S-6A	116	93
880-20339-14	S-6A	102	88
880-20339-15	S-6A	121	96
880-20339-16	S-6A	107	91
LCS 880-37154/1-A	Lab Control Sample	89	87
LCSD 880-37154/2-A	Lab Control Sample Dup	86	82
MB 880-37154/5-A	Method Blank	98	85

Percent Surrogate Recovery (Acceptance Limits)

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**

Lab Sample ID	Client Sample ID	1CO1 (70-130)	OTPH1 (70-130)
880-20328-A-8-E MS	Matrix Spike	64 S1-	59 S1-
880-20328-A-8-F MSD	Matrix Spike Duplicate	73	67 S1-
880-20339-1	S-4A	116	92
880-20339-2	S-4A	106	93
880-20339-3	S-4A	112	104
880-20339-4	S-4A	112	105
880-20339-5	S-4A	98	87
880-20339-6	S-4A	95	97
880-20339-7	S-4A	90	96
880-20339-8	S-4A	87	92
880-20339-9	S-5A	92	99
880-20339-10	S-5A	100	98
880-20339-11	S-5A	100	110
880-20339-12	S-6A	101	99
880-20339-13	S-6A	86	91
880-20339-14	S-6A	96	104
880-20339-15	S-6A	98	107
880-20339-16	S-6A	77	85

Percent Surrogate Recovery (Acceptance Limits)

Surrogate Summary

Client: Talon/LPE
Job ID: 880-20339-1
Project/Site: Mexico J Battery
SDG: Lea Co., New Mexico

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

Matrix: Solid
Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)							
		1CO1	OTPH1						
Lab Sample ID	**Client Sample ID**	**(70-130)**	**(70-130)**						
LCS 880-36937/2-A	Lab Control Sample	75	82						
LCSD 880-36937/3-A	Lab Control Sample Dup	73	80						
MB 880-36937/1-A	Method Blank	96	108						

Surrogate Legend

1CO = 1-Chlorooctane

OTPH = o-Terphenyl

QC Sample Results

Client: Talon/LPE
Project/Site: Mexico J Battery

Job ID: 880-20339-1
SDG: Lea Co., New Mexico

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 880-37154/5-A
Matrix: Solid
Analysis Batch: 37351

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 37154

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.000385	U	0.00200	0.000385	mg/Kg		10/17/22 12:38	10/20/22 10:51	1
Toluene	<0.000456	U	0.00200	0.000456	mg/Kg		10/17/22 12:38	10/20/22 10:51	1
Ethylbenzene	<0.000565	U	0.00200	0.000565	mg/Kg		10/17/22 12:38	10/20/22 10:51	1
m-Xylene & p-Xylene	<0.00101	U	0.00400	0.00101	mg/Kg		10/17/22 12:38	10/20/22 10:51	1
o-Xylene	<0.000344	U	0.00200	0.000344	mg/Kg		10/17/22 12:38	10/20/22 10:51	1
Xylenes, Total	<0.00101	U	0.00400	0.00101	mg/Kg		10/17/22 12:38	10/20/22 10:51	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*98*		*70 - 130*	*10/17/22 12:38*	*10/20/22 10:51*	*1*
1,4-Difluorobenzene (Surr)	*85*		*70 - 130*	*10/17/22 12:38*	*10/20/22 10:51*	*1*

Lab Sample ID: LCS 880-37154/1-A
Matrix: Solid
Analysis Batch: 37351

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 37154

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	0.100	0.1032		mg/Kg		103	70 - 130
Toluene	0.100	0.1037		mg/Kg		104	70 - 130
Ethylbenzene	0.100	0.09494		mg/Kg		95	70 - 130
m-Xylene & p-Xylene	0.200	0.2086		mg/Kg		104	70 - 130
o-Xylene	0.100	0.09919		mg/Kg		99	70 - 130

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*89*		*70 - 130*
1,4-Difluorobenzene (Surr)	*87*		*70 - 130*

Lab Sample ID: LCSD 880-37154/2-A
Matrix: Solid
Analysis Batch: 37351

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 37154

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	0.100	0.09810		mg/Kg		98	70 - 130	5	35
Toluene	0.100	0.1007		mg/Kg		101	70 - 130	3	35
Ethylbenzene	0.100	0.09366		mg/Kg		94	70 - 130	1	35
m-Xylene & p-Xylene	0.200	0.2002		mg/Kg		100	70 - 130	4	35
o-Xylene	0.100	0.1002		mg/Kg		100	70 - 130	1	35

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*86*		*70 - 130*
1,4-Difluorobenzene (Surr)	*82*		*70 - 130*

Lab Sample ID: 880-20339-7 MS
Matrix: Solid
Analysis Batch: 37351

Client Sample ID: S-4A
Prep Type: Total/NA
Prep Batch: 37154

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	<0.000382	U F1 F2	0.0998	0.05763	F1	mg/Kg		58	70 - 130
Toluene	<0.000452	U F1 F2	0.0998	0.03294	F1	mg/Kg		33	70 - 130

QC Sample Results

Client: Talon/LPE
Project/Site: Mexico J Battery

Job ID: 880-20339-1
SDG: Lea Co., New Mexico

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

Lab Sample ID: 880-20339-7 MS — **Client Sample ID: S-4A**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 37351 — **Prep Batch: 37154**

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Ethylbenzene	<0.000561	U F1 F2	0.0998	0.01587	F1	mg/Kg		16	70 - 130
m-Xylene & p-Xylene	<0.00100	U F1 F2	0.200	0.03284	F1	mg/Kg		16	70 - 130
o-Xylene	<0.000341	U F1 F2	0.0998	0.01956	F1	mg/Kg		20	70 - 130

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*99*		*70 - 130*
1,4-Difluorobenzene (Surr)	*85*		*70 - 130*

Lab Sample ID: 880-20339-7 MSD — **Client Sample ID: S-4A**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 37351 — **Prep Batch: 37154**

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	<0.000382	U F1 F2	0.0996	0.1007	F2	mg/Kg		101	70 - 130	54	35
Toluene	<0.000452	U F1 F2	0.0996	0.08499	F2	mg/Kg		85	70 - 130	88	35
Ethylbenzene	<0.000561	U F1 F2	0.0996	0.05716	F1 F2	mg/Kg		57	70 - 130	113	35
m-Xylene & p-Xylene	<0.00100	U F1 F2	0.199	0.1163	F1 F2	mg/Kg		58	70 - 130	112	35
o-Xylene	<0.000341	U F1 F2	0.0996	0.05883	F1 F2	mg/Kg		59	70 - 130	100	35

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*97*		*70 - 130*
1,4-Difluorobenzene (Surr)	*87*		*70 - 130*

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

Lab Sample ID: MB 880-36937/1-A — **Client Sample ID: Method Blank**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 36924 — **Prep Batch: 36937**

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<15.0	U	50.0	15.0	mg/Kg		10/14/22 08:59	10/14/22 10:34	1
Diesel Range Organics (Over C10-C28)	<15.0	U	50.0	15.0	mg/Kg		10/14/22 08:59	10/14/22 10:34	1
OIl Range Organics (Over C28-C36)	<15.0	U	50.0	15.0	mg/Kg		10/14/22 08:59	10/14/22 10:34	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*96*		*70 - 130*	*10/14/22 08:59*	*10/14/22 10:34*	*1*
o-Terphenyl	*108*		*70 - 130*	*10/14/22 08:59*	*10/14/22 10:34*	*1*

Lab Sample ID: LCS 880-36937/2-A — **Client Sample ID: Lab Control Sample**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 36924 — **Prep Batch: 36937**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics (GRO)-C6-C10	1000	834.9		mg/Kg		83	70 - 130
Diesel Range Organics (Over C10-C28)	1000	811.7		mg/Kg		81	70 - 130

QC Sample Results

Client: Talon/LPE
Project/Site: Mexico J Battery

Job ID: 880-20339-1
SDG: Lea Co., New Mexico

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

Lab Sample ID: LCS 880-36937/2-A
Matrix: Solid
Analysis Batch: 36924

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 36937

Surrogate	LCS %Recovery	LCS Qualifier	Limits
1-Chlorooctane	75		70 - 130
o-Terphenyl	82		70 - 130

Lab Sample ID: LCSD 880-36937/3-A
Matrix: Solid
Analysis Batch: 36924

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 36937

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10			1000	847.6		mg/Kg		85	70 - 130	2	20
Diesel Range Organics (Over C10-C28)			1000	824.3		mg/Kg		82	70 - 130	2	20

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
1-Chlorooctane	73		70 - 130
o-Terphenyl	80		70 - 130

Lab Sample ID: 880-20328-A-8-E MS
Matrix: Solid
Analysis Batch: 36924

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 36937

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Gasoline Range Organics (GRO)-C6-C10	16.6	J F2	998	903.9		mg/Kg		89	70 - 130		
Diesel Range Organics (Over C10-C28)	<14.9	U F1	998	657.7	F1	mg/Kg		66	70 - 130		

Surrogate	MS %Recovery	MS Qualifier	Limits
1-Chlorooctane	64	S1-	70 - 130
o-Terphenyl	59	S1-	70 - 130

Lab Sample ID: 880-20328-A-8-F MSD
Matrix: Solid
Analysis Batch: 36924

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA
Prep Batch: 36937

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	16.6	J F2	998	1217	F2	mg/Kg		120	70 - 130	30	20
Diesel Range Organics (Over C10-C28)	<14.9	U F1	998	734.9		mg/Kg		74	70 - 130	11	20

Surrogate	MSD %Recovery	MSD Qualifier	Limits
1-Chlorooctane	73		70 - 130
o-Terphenyl	67	S1-	70 - 130

QC Sample Results

Client: Talon/LPE
Project/Site: Mexico J Battery

Job ID: 880-20339-1
SDG: Lea Co., New Mexico

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-36932/1-A — **Client Sample ID: Method Blank**
Matrix: Solid — **Prep Type: Soluble**
Analysis Batch: 37029

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<0.395	U	5.00	0.395	mg/Kg			10/18/22 15:59	1

Lab Sample ID: LCS 880-36932/2-A — **Client Sample ID: Lab Control Sample**
Matrix: Solid — **Prep Type: Soluble**
Analysis Batch: 37029

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	250	242.3		mg/Kg		97	90 - 110

Lab Sample ID: LCSD 880-36932/3-A — **Client Sample ID: Lab Control Sample Dup**
Matrix: Solid — **Prep Type: Soluble**
Analysis Batch: 37029

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	250	241.7		mg/Kg		97	90 - 110	0	20

Lab Sample ID: 880-20339-1 MS — **Client Sample ID: S-4A**
Matrix: Solid — **Prep Type: Soluble**
Analysis Batch: 37029

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	1360		252	1568	E 4	mg/Kg		82	90 - 110

Lab Sample ID: 880-20339-1 MSD — **Client Sample ID: S-4A**
Matrix: Solid — **Prep Type: Soluble**
Analysis Batch: 37029

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	1360		252	1569	E 4	mg/Kg		82	90 - 110	0	20

Lab Sample ID: 880-20339-11 MS — **Client Sample ID: S-5A**
Matrix: Solid — **Prep Type: Soluble**
Analysis Batch: 37029

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	155		251	399.9		mg/Kg		98	90 - 110

Lab Sample ID: 880-20339-11 MSD — **Client Sample ID: S-5A**
Matrix: Solid — **Prep Type: Soluble**
Analysis Batch: 37029

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	155		251	401.6		mg/Kg		99	90 - 110	0	20

QC Association Summary

Client: Talon/LPE
Project/Site: Mexico J Battery

Job ID: 880-20339-1
SDG: Lea Co., New Mexico

GC VOA

Prep Batch: 37154

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-20339-1	S-4A	Total/NA	Solid	5035	
880-20339-2	S-4A	Total/NA	Solid	5035	
880-20339-3	S-4A	Total/NA	Solid	5035	
880-20339-4	S-4A	Total/NA	Solid	5035	
880-20339-5	S-4A	Total/NA	Solid	5035	
880-20339-6	S-4A	Total/NA	Solid	5035	
880-20339-7	S-4A	Total/NA	Solid	5035	
880-20339-8	S-4A	Total/NA	Solid	5035	
880-20339-9	S-5A	Total/NA	Solid	5035	
880-20339-10	S-5A	Total/NA	Solid	5035	
880-20339-11	S-5A	Total/NA	Solid	5035	
880-20339-12	S-6A	Total/NA	Solid	5035	
880-20339-13	S-6A	Total/NA	Solid	5035	
880-20339-14	S-6A	Total/NA	Solid	5035	
880-20339-15	S-6A	Total/NA	Solid	5035	
880-20339-16	S-6A	Total/NA	Solid	5035	
MB 880-37154/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-37154/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-37154/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
880-20339-7 MS	S-4A	Total/NA	Solid	5035	
880-20339-7 MSD	S-4A	Total/NA	Solid	5035	

Analysis Batch: 37351

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-20339-1	S-4A	Total/NA	Solid	8021B	37154
880-20339-2	S-4A	Total/NA	Solid	8021B	37154
880-20339-3	S-4A	Total/NA	Solid	8021B	37154
880-20339-4	S-4A	Total/NA	Solid	8021B	37154
880-20339-5	S-4A	Total/NA	Solid	8021B	37154
880-20339-6	S-4A	Total/NA	Solid	8021B	37154
880-20339-7	S-4A	Total/NA	Solid	8021B	37154
880-20339-8	S-4A	Total/NA	Solid	8021B	37154
880-20339-9	S-5A	Total/NA	Solid	8021B	37154
880-20339-10	S-5A	Total/NA	Solid	8021B	37154
880-20339-11	S-5A	Total/NA	Solid	8021B	37154
880-20339-12	S-6A	Total/NA	Solid	8021B	37154
880-20339-13	S-6A	Total/NA	Solid	8021B	37154
880-20339-14	S-6A	Total/NA	Solid	8021B	37154
880-20339-15	S-6A	Total/NA	Solid	8021B	37154
880-20339-16	S-6A	Total/NA	Solid	8021B	37154
MB 880-37154/5-A	Method Blank	Total/NA	Solid	8021B	37154
LCS 880-37154/1-A	Lab Control Sample	Total/NA	Solid	8021B	37154
LCSD 880-37154/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	37154
880-20339-7 MS	S-4A	Total/NA	Solid	8021B	37154
880-20339-7 MSD	S-4A	Total/NA	Solid	8021B	37154

Analysis Batch: 37414

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-20339-1	S-4A	Total/NA	Solid	Total BTEX	
880-20339-2	S-4A	Total/NA	Solid	Total BTEX	
880-20339-3	S-4A	Total/NA	Solid	Total BTEX	

QC Association Summary

Client: Talon/LPE
Project/Site: Mexico J Battery

Job ID: 880-20339-1
SDG: Lea Co., New Mexico

GC VOA (Continued)

Analysis Batch: 37414 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-20339-4	S-4A	Total/NA	Solid	Total BTEX	
880-20339-5	S-4A	Total/NA	Solid	Total BTEX	
880-20339-6	S-4A	Total/NA	Solid	Total BTEX	
880-20339-7	S-4A	Total/NA	Solid	Total BTEX	
880-20339-8	S-4A	Total/NA	Solid	Total BTEX	
880-20339-9	S-5A	Total/NA	Solid	Total BTEX	
880-20339-10	S-5A	Total/NA	Solid	Total BTEX	
880-20339-11	S-5A	Total/NA	Solid	Total BTEX	
880-20339-12	S-6A	Total/NA	Solid	Total BTEX	
880-20339-13	S-6A	Total/NA	Solid	Total BTEX	
880-20339-14	S-6A	Total/NA	Solid	Total BTEX	
880-20339-15	S-6A	Total/NA	Solid	Total BTEX	
880-20339-16	S-6A	Total/NA	Solid	Total BTEX	

GC Semi VOA

Analysis Batch: 36924

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-20339-1	S-4A	Total/NA	Solid	8015B NM	36937
880-20339-2	S-4A	Total/NA	Solid	8015B NM	36937
880-20339-3	S-4A	Total/NA	Solid	8015B NM	36937
880-20339-4	S-4A	Total/NA	Solid	8015B NM	36937
880-20339-5	S-4A	Total/NA	Solid	8015B NM	36937
880-20339-6	S-4A	Total/NA	Solid	8015B NM	36937
880-20339-7	S-4A	Total/NA	Solid	8015B NM	36937
880-20339-8	S-4A	Total/NA	Solid	8015B NM	36937
880-20339-9	S-5A	Total/NA	Solid	8015B NM	36937
880-20339-10	S-5A	Total/NA	Solid	8015B NM	36937
880-20339-11	S-5A	Total/NA	Solid	8015B NM	36937
880-20339-12	S-6A	Total/NA	Solid	8015B NM	36937
880-20339-13	S-6A	Total/NA	Solid	8015B NM	36937
880-20339-14	S-6A	Total/NA	Solid	8015B NM	36937
880-20339-15	S-6A	Total/NA	Solid	8015B NM	36937
880-20339-16	S-6A	Total/NA	Solid	8015B NM	36937
MB 880-36937/1-A	Method Blank	Total/NA	Solid	8015B NM	36937
LCS 880-36937/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	36937
LCSD 880-36937/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	36937
880-20328-A-8-E MS	Matrix Spike	Total/NA	Solid	8015B NM	36937
880-20328-A-8-F MSD	Matrix Spike Duplicate	Total/NA	Solid	8015B NM	36937

Prep Batch: 36937

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-20339-1	S-4A	Total/NA	Solid	8015NM Prep	
880-20339-2	S-4A	Total/NA	Solid	8015NM Prep	
880-20339-3	S-4A	Total/NA	Solid	8015NM Prep	
880-20339-4	S-4A	Total/NA	Solid	8015NM Prep	
880-20339-5	S-4A	Total/NA	Solid	8015NM Prep	
880-20339-6	S-4A	Total/NA	Solid	8015NM Prep	
880-20339-7	S-4A	Total/NA	Solid	8015NM Prep	
880-20339-8	S-4A	Total/NA	Solid	8015NM Prep	
880-20339-9	S-5A	Total/NA	Solid	8015NM Prep	

QC Association Summary

Client: Talon/LPE
Project/Site: Mexico J Battery

Job ID: 880-20339-1
SDG: Lea Co., New Mexico

GC Semi VOA (Continued)

Prep Batch: 36937 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-20339-10	S-5A	Total/NA	Solid	8015NM Prep	
880-20339-11	S-5A	Total/NA	Solid	8015NM Prep	
880-20339-12	S-6A	Total/NA	Solid	8015NM Prep	
880-20339-13	S-6A	Total/NA	Solid	8015NM Prep	
880-20339-14	S-6A	Total/NA	Solid	8015NM Prep	
880-20339-15	S-6A	Total/NA	Solid	8015NM Prep	
880-20339-16	S-6A	Total/NA	Solid	8015NM Prep	
MB 880-36937/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-36937/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-36937/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
880-20328-A-8-E MS	Matrix Spike	Total/NA	Solid	8015NM Prep	
880-20328-A-8-F MSD	Matrix Spike Duplicate	Total/NA	Solid	8015NM Prep	

Analysis Batch: 37050

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-20339-1	S-4A	Total/NA	Solid	8015 NM	
880-20339-2	S-4A	Total/NA	Solid	8015 NM	
880-20339-3	S-4A	Total/NA	Solid	8015 NM	
880-20339-4	S-4A	Total/NA	Solid	8015 NM	
880-20339-5	S-4A	Total/NA	Solid	8015 NM	
880-20339-6	S-4A	Total/NA	Solid	8015 NM	
880-20339-7	S-4A	Total/NA	Solid	8015 NM	
880-20339-8	S-4A	Total/NA	Solid	8015 NM	
880-20339-9	S-5A	Total/NA	Solid	8015 NM	
880-20339-10	S-5A	Total/NA	Solid	8015 NM	
880-20339-11	S-5A	Total/NA	Solid	8015 NM	
880-20339-12	S-6A	Total/NA	Solid	8015 NM	
880-20339-13	S-6A	Total/NA	Solid	8015 NM	
880-20339-14	S-6A	Total/NA	Solid	8015 NM	
880-20339-15	S-6A	Total/NA	Solid	8015 NM	
880-20339-16	S-6A	Total/NA	Solid	8015 NM	

HPLC/IC

Leach Batch: 36932

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-20339-1	S-4A	Soluble	Solid	DI Leach	
880-20339-2	S-4A	Soluble	Solid	DI Leach	
880-20339-3	S-4A	Soluble	Solid	DI Leach	
880-20339-4	S-4A	Soluble	Solid	DI Leach	
880-20339-5	S-4A	Soluble	Solid	DI Leach	
880-20339-6	S-4A	Soluble	Solid	DI Leach	
880-20339-7	S-4A	Soluble	Solid	DI Leach	
880-20339-8	S-4A	Soluble	Solid	DI Leach	
880-20339-9	S-5A	Soluble	Solid	DI Leach	
880-20339-10	S-5A	Soluble	Solid	DI Leach	
880-20339-11	S-5A	Soluble	Solid	DI Leach	
880-20339-12	S-6A	Soluble	Solid	DI Leach	
880-20339-13	S-6A	Soluble	Solid	DI Leach	
880-20339-14	S-6A	Soluble	Solid	DI Leach	
880-20339-15	S-6A	Soluble	Solid	DI Leach	

QC Association Summary

Client: Talon/LPE
Project/Site: Mexico J Battery

Job ID: 880-20339-1
SDG: Lea Co., New Mexico

HPLC/IC (Continued)

Leach Batch: 36932 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-20339-16	S-6A	Soluble	Solid	DI Leach	
MB 880-36932/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-36932/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-36932/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
880-20339-1 MS	S-4A	Soluble	Solid	DI Leach	
880-20339-1 MSD	S-4A	Soluble	Solid	DI Leach	
880-20339-11 MS	S-5A	Soluble	Solid	DI Leach	
880-20339-11 MSD	S-5A	Soluble	Solid	DI Leach	

Analysis Batch: 37029

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-20339-1	S-4A	Soluble	Solid	300.0	36932
880-20339-2	S-4A	Soluble	Solid	300.0	36932
880-20339-3	S-4A	Soluble	Solid	300.0	36932
880-20339-4	S-4A	Soluble	Solid	300.0	36932
880-20339-5	S-4A	Soluble	Solid	300.0	36932
880-20339-6	S-4A	Soluble	Solid	300.0	36932
880-20339-7	S-4A	Soluble	Solid	300.0	36932
880-20339-8	S-4A	Soluble	Solid	300.0	36932
880-20339-9	S-5A	Soluble	Solid	300.0	36932
880-20339-10	S-5A	Soluble	Solid	300.0	36932
880-20339-11	S-5A	Soluble	Solid	300.0	36932
880-20339-12	S-6A	Soluble	Solid	300.0	36932
880-20339-13	S-6A	Soluble	Solid	300.0	36932
880-20339-14	S-6A	Soluble	Solid	300.0	36932
880-20339-15	S-6A	Soluble	Solid	300.0	36932
880-20339-16	S-6A	Soluble	Solid	300.0	36932
MB 880-36932/1-A	Method Blank	Soluble	Solid	300.0	36932
LCS 880-36932/2-A	Lab Control Sample	Soluble	Solid	300.0	36932
LCSD 880-36932/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	36932
880-20339-1 MS	S-4A	Soluble	Solid	300.0	36932
880-20339-1 MSD	S-4A	Soluble	Solid	300.0	36932
880-20339-11 MS	S-5A	Soluble	Solid	300.0	36932
880-20339-11 MSD	S-5A	Soluble	Solid	300.0	36932

Lab Chronicle

Client: Talon/LPE
Project/Site: Mexico J Battery

Job ID: 880-20339-1
SDG: Lea Co., New Mexico

Client Sample ID: S-4A
Lab Sample ID: 880-20339-1
Date Collected: 10/12/22 11:10
Matrix: Solid
Date Received: 10/13/22 08:15

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	37154	10/17/22 12:38	MNR	EET MID
Total/NA	Analysis	8021B		25	5 mL	5 mL	37351	10/20/22 17:25	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			37414	10/21/22 13:44	SM	EET MID
Total/NA	Analysis	8015 NM		1			37050	10/17/22 08:55	SM	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	36937	10/14/22 08:59	DM	EET MID
Total/NA	Analysis	8015B NM		5	1 uL	1 uL	36924	10/14/22 12:41	SM	EET MID
Soluble	Leach	DI Leach			4.96 g	50 mL	36932	10/14/22 08:52	KS	EET MID
Soluble	Analysis	300.0		1			37029	10/18/22 16:14	CH	EET MID

Client Sample ID: S-4A
Lab Sample ID: 880-20339-2
Date Collected: 10/12/22 11:12
Matrix: Solid
Date Received: 10/13/22 08:15

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	37154	10/17/22 12:38	MNR	EET MID
Total/NA	Analysis	8021B		25	5 mL	5 mL	37351	10/20/22 17:45	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			37414	10/21/22 13:44	SM	EET MID
Total/NA	Analysis	8015 NM		1			37050	10/17/22 08:55	SM	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	36937	10/14/22 08:59	DM	EET MID
Total/NA	Analysis	8015B NM		5	1 uL	1 uL	36924	10/14/22 13:02	SM	EET MID
Soluble	Leach	DI Leach			5 g	50 mL	36932	10/14/22 08:52	KS	EET MID
Soluble	Analysis	300.0		5			37029	10/18/22 16:29	CH	EET MID

Client Sample ID: S-4A
Lab Sample ID: 880-20339-3
Date Collected: 10/12/22 11:14
Matrix: Solid
Date Received: 10/13/22 08:15

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.01 g	5 mL	37154	10/17/22 12:38	MNR	EET MID
Total/NA	Analysis	8021B		25	5 mL	5 mL	37351	10/20/22 18:06	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			37414	10/21/22 13:44	SM	EET MID
Total/NA	Analysis	8015 NM		1			37050	10/17/22 08:55	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	36937	10/14/22 08:59	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	36924	10/14/22 13:44	SM	EET MID
Soluble	Leach	DI Leach			5 g	50 mL	36932	10/14/22 08:52	KS	EET MID
Soluble	Analysis	300.0		1			37029	10/18/22 16:33	CH	EET MID

Client Sample ID: S-4A
Lab Sample ID: 880-20339-4
Date Collected: 10/12/22 11:16
Matrix: Solid
Date Received: 10/13/22 08:15

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	37154	10/17/22 12:38	MNR	EET MID
Total/NA	Analysis	8021B		25	5 mL	5 mL	37351	10/20/22 18:27	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			37414	10/21/22 13:44	SM	EET MID

Lab Chronicle

Client: Talon/LPE
Project/Site: Mexico J Battery

Job ID: 880-20339-1
SDG: Lea Co., New Mexico

Client Sample ID: S-4A
Lab Sample ID: 880-20339-4
Date Collected: 10/12/22 11:16
Matrix: Solid
Date Received: 10/13/22 08:15

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			37050	10/17/22 08:55	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	36937	10/14/22 08:59	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	36924	10/14/22 13:23	SM	EET MID
Soluble	Leach	DI Leach			4.99 g	50 mL	36932	10/14/22 08:52	KS	EET MID
Soluble	Analysis	300.0		1			37029	10/18/22 16:38	CH	EET MID

Client Sample ID: S-4A
Lab Sample ID: 880-20339-5
Date Collected: 10/12/22 11:18
Matrix: Solid
Date Received: 10/13/22 08:15

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	37154	10/17/22 12:38	MNR	EET MID
Total/NA	Analysis	8021B		25	5 mL	5 mL	37351	10/20/22 18:48	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			37414	10/21/22 13:44	SM	EET MID
Total/NA	Analysis	8015 NM		1			37050	10/17/22 08:55	SM	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	36937	10/14/22 08:59	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	36924	10/14/22 14:26	SM	EET MID
Soluble	Leach	DI Leach			4.98 g	50 mL	36932	10/14/22 08:52	KS	EET MID
Soluble	Analysis	300.0		1			37029	10/18/22 16:43	CH	EET MID

Client Sample ID: S-4A
Lab Sample ID: 880-20339-6
Date Collected: 10/12/22 11:20
Matrix: Solid
Date Received: 10/13/22 08:15

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	37154	10/17/22 12:38	MNR	EET MID
Total/NA	Analysis	8021B		25	5 mL	5 mL	37351	10/20/22 19:08	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			37414	10/21/22 13:44	SM	EET MID
Total/NA	Analysis	8015 NM		1			37050	10/17/22 08:55	SM	EET MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	36937	10/14/22 08:59	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	36924	10/14/22 15:07	SM	EET MID
Soluble	Leach	DI Leach			4.99 g	50 mL	36932	10/14/22 08:52	KS	EET MID
Soluble	Analysis	300.0		1			37029	10/18/22 16:58	CH	EET MID

Client Sample ID: S-4A
Lab Sample ID: 880-20339-7
Date Collected: 10/12/22 11:22
Matrix: Solid
Date Received: 10/13/22 08:15

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.04 g	5 mL	37154	10/17/22 12:38	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	37351	10/20/22 11:12	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			37414	10/20/22 14:48	SM	EET MID
Total/NA	Analysis	8015 NM		1			37050	10/17/22 08:55	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	36937	10/14/22 08:59	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	36924	10/14/22 16:59	SM	EET MID

Lab Chronicle

Client: Talon/LPE
Project/Site: Mexico J Battery

Job ID: 880-20339-1
SDG: Lea Co., New Mexico

Client Sample ID: S-4A
Lab Sample ID: 880-20339-7
Date Collected: 10/12/22 11:22
Matrix: Solid
Date Received: 10/13/22 08:15

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			5.03 g	50 mL	36932	10/14/22 08:52	KS	EET MID
Soluble	Analysis	300.0		1			37029	10/18/22 17:03	CH	EET MID

Client Sample ID: S-4A
Lab Sample ID: 880-20339-8
Date Collected: 10/12/22 11:24
Matrix: Solid
Date Received: 10/13/22 08:15

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	37154	10/17/22 12:38	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	37351	10/20/22 11:32	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			37414	10/20/22 14:48	SM	EET MID
Total/NA	Analysis	8015 NM		1			37050	10/17/22 08:55	SM	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	36937	10/14/22 08:59	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	36924	10/14/22 17:20	SM	EET MID
Soluble	Leach	DI Leach			5.05 g	50 mL	36932	10/14/22 08:52	KS	EET MID
Soluble	Analysis	300.0		1			37029	10/18/22 17:07	CH	EET MID

Client Sample ID: S-5A
Lab Sample ID: 880-20339-9
Date Collected: 10/12/22 10:50
Matrix: Solid
Date Received: 10/13/22 08:15

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	37154	10/17/22 12:38	MNR	EET MID
Total/NA	Analysis	8021B		25	5 mL	5 mL	37351	10/20/22 19:29	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			37414	10/21/22 13:44	SM	EET MID
Total/NA	Analysis	8015 NM		1			37050	10/17/22 08:55	SM	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	36937	10/14/22 08:59	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	36924	10/14/22 15:28	SM	EET MID
Soluble	Leach	DI Leach			5.05 g	50 mL	36932	10/14/22 08:52	KS	EET MID
Soluble	Analysis	300.0		1			37029	10/18/22 17:12	CH	EET MID

Client Sample ID: S-5A
Lab Sample ID: 880-20339-10
Date Collected: 10/12/22 10:54
Matrix: Solid
Date Received: 10/13/22 08:15

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	37154	10/17/22 12:38	MNR	EET MID
Total/NA	Analysis	8021B		25	5 mL	5 mL	37351	10/20/22 19:50	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			37414	10/21/22 13:44	SM	EET MID
Total/NA	Analysis	8015 NM		1			37050	10/17/22 08:55	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	36937	10/14/22 08:59	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	36924	10/14/22 14:05	SM	EET MID
Soluble	Leach	DI Leach			5 g	50 mL	36932	10/14/22 08:52	KS	EET MID
Soluble	Analysis	300.0		1			37029	10/18/22 17:17	CH	EET MID

Lab Chronicle

Client: Talon/LPE
Project/Site: Mexico J Battery

Job ID: 880-20339-1
SDG: Lea Co., New Mexico

Client Sample ID: S-5A
Date Collected: 10/12/22 10:58
Date Received: 10/13/22 08:15

Lab Sample ID: 880-20339-11
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	37154	10/17/22 12:38	MNR	EET MID
Total/NA	Analysis	8021B		25	5 mL	5 mL	37351	10/20/22 20:11	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			37414	10/21/22 13:44	SM	EET MID
Total/NA	Analysis	8015 NM		1			37050	10/17/22 08:55	SM	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	36937	10/14/22 08:59	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	36924	10/14/22 17:42	SM	EET MID
Soluble	Leach	DI Leach			4.99 g	50 mL	36932	10/14/22 08:52	KS	EET MID
Soluble	Analysis	300.0		1			37029	10/18/22 17:22	CH	EET MID

Client Sample ID: S-6A
Date Collected: 10/12/22 10:02
Date Received: 10/13/22 08:15

Lab Sample ID: 880-20339-12
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	37154	10/17/22 12:38	MNR	EET MID
Total/NA	Analysis	8021B		25	5 mL	5 mL	37351	10/20/22 20:31	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			37414	10/21/22 13:44	SM	EET MID
Total/NA	Analysis	8015 NM		1			37050	10/17/22 08:55	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	36937	10/14/22 08:59	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	36924	10/14/22 14:47	SM	EET MID
Soluble	Leach	DI Leach			5.01 g	50 mL	36932	10/14/22 08:52	KS	EET MID
Soluble	Analysis	300.0		1			37029	10/18/22 17:36	CH	EET MID

Client Sample ID: S-6A
Date Collected: 10/12/22 10:04
Date Received: 10/13/22 08:15

Lab Sample ID: 880-20339-13
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			5.01 g	5 mL	37154	10/17/22 12:38	MNR	EET MID
Total/NA	Analysis	8021B		10	5 mL	5 mL	37351	10/20/22 14:33	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			37414	10/20/22 16:07	SM	EET MID
Total/NA	Analysis	8015 NM		1			37050	10/17/22 08:55	SM	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	36937	10/14/22 08:59	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	36924	10/14/22 16:39	SM	EET MID
Soluble	Leach	DI Leach			5.02 g	50 mL	36932	10/14/22 08:52	KS	EET MID
Soluble	Analysis	300.0		1			37029	10/18/22 17:41	CH	EET MID

Client Sample ID: S-6A
Date Collected: 10/12/22 10:06
Date Received: 10/13/22 08:15

Lab Sample ID: 880-20339-14
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	37154	10/17/22 12:38	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	37351	10/20/22 13:31	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			37414	10/20/22 14:48	SM	EET MID

Lab Chronicle

Client: Talon/LPE
Project/Site: Mexico J Battery

Job ID: 880-20339-1
SDG: Lea Co., New Mexico

Client Sample ID: S-6A
Date Collected: 10/12/22 10:06
Date Received: 10/13/22 08:15

Lab Sample ID: 880-20339-14
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			37050	10/17/22 08:55	SM	EET MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	36937	10/14/22 08:59	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	36924	10/14/22 18:03	SM	EET MID
Soluble	Leach	DI Leach			4.97 g	50 mL	36932	10/14/22 08:52	KS	EET MID
Soluble	Analysis	300.0		1			37029	10/18/22 17:56	CH	EET MID

Client Sample ID: S-6A
Date Collected: 10/12/22 10:08
Date Received: 10/13/22 08:15

Lab Sample ID: 880-20339-15
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			5.01 g	5 mL	37154	10/17/22 12:38	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	37351	10/20/22 13:52	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			37414	10/20/22 14:48	SM	EET MID
Total/NA	Analysis	8015 NM		1			37050	10/17/22 08:55	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	36937	10/14/22 08:59	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	36924	10/14/22 18:24	SM	EET MID
Soluble	Leach	DI Leach			4.96 g	50 mL	36932	10/14/22 08:52	KS	EET MID
Soluble	Analysis	300.0		1			37029	10/18/22 18:01	CH	EET MID

Client Sample ID: S-6A
Date Collected: 10/12/22 10:10
Date Received: 10/13/22 08:15

Lab Sample ID: 880-20339-16
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	37154	10/17/22 12:38	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	37351	10/20/22 14:12	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			37414	10/20/22 16:07	SM	EET MID
Total/NA	Analysis	8015 NM		1			37050	10/17/22 08:55	SM	EET MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	36937	10/14/22 08:59	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	36924	10/14/22 18:45	SM	EET MID
Soluble	Leach	DI Leach			5.02 g	50 mL	36932	10/14/22 08:52	KS	EET MID
Soluble	Analysis	300.0		1			37029	10/18/22 18:06	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: Mexico J Battery

Job ID: 880-20339-1
SDG: Lea Co., New Mexico

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: Mexico J Battery

Job ID: 880-20339-1
SDG: Lea Co., New Mexico

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: Mexico J Battery

Job ID: 880-20339-1
SDG: Lea Co., New Mexico

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Depth
880-20339-1	S-4A	Solid	10/12/22 11:10	10/13/22 08:15	4'
880-20339-2	S-4A	Solid	10/12/22 11:12	10/13/22 08:15	6'
880-20339-3	S-4A	Solid	10/12/22 11:14	10/13/22 08:15	8'
880-20339-4	S-4A	Solid	10/12/22 11:16	10/13/22 08:15	10'
880-20339-5	S-4A	Solid	10/12/22 11:18	10/13/22 08:15	12'
880-20339-6	S-4A	Solid	10/12/22 11:20	10/13/22 08:15	14'
880-20339-7	S-4A	Solid	10/12/22 11:22	10/13/22 08:15	16'
880-20339-8	S-4A	Solid	10/12/22 11:24	10/13/22 08:15	18'
880-20339-9	S-5A	Solid	10/12/22 10:50	10/13/22 08:15	4'
880-20339-10	S-5A	Solid	10/12/22 10:54	10/13/22 08:15	6'
880-20339-11	S-5A	Solid	10/12/22 10:58	10/13/22 08:15	8'
880-20339-12	S-6A	Solid	10/12/22 10:02	10/13/22 08:15	4'
880-20339-13	S-6A	Solid	10/12/22 10:04	10/13/22 08:15	6'
880-20339-14	S-6A	Solid	10/12/22 10:06	10/13/22 08:15	8'
880-20339-15	S-6A	Solid	10/12/22 10:08	10/13/22 08:15	10'
880-20339-16	S-6A	Solid	10/12/22 10:10	10/13/22 08:15	12'

Received by OCD: 11/17/2022 9:10:10 AM

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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: 20339

www.xenco.com Page 1 of 2

Project Manager:	Kayla Taylor	Bill to (if different)	Spencer Jackson
Company Name	Talon LPE	Company Name	Scout Energy
Address	408 W Texas Ave	Address.	13800 Montfort Drive
City, State ZIP·	Artesia, NM 88210	City, State ZIP·	Dallas, Tx 75240
Phone.	575 746 8768	Email	spencer.jackson@scoutep.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.	Mexico J Battery	Turn Around	
Project Number·	702179 008 01	☑ Routine ☐ Rush	
Project Location	Lea Co , New Mexico	Due Date:	
Sampler's Name	K. Taylor	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		188
Cooler Custody Seals	Yes No N/A	Correction Factor·		+0.2
Sample Custody Seals	Yes No N/A	Temperature Reading.		1.0
Total Containers·		Corrected Temperature		1.8

ANALYSIS REQUEST

Preservative Codes

None NO — DI Water· H_2O
Cool Cool — MeOH Me
HCL. HC — HNO_3. HN
H_2S0_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	BTEX 8021B	TPH 8015BNM	Chlorides 300.0	Sample Comments
S-4A	S	10/12/2022	1110	4'	G	1	X	X	X	
S-4A	S	10/12/2022	1112	6'	G	1	X	X	X	
S-4A	S	10/12/2022	1114	8'	G	1	X	X	X	
S-4A	S	10/12/2022	1116	10'	G	1	X	X	X	
S-4A	S	10/12/2022	1118	12'	G	1	X	X	X	
S-4A	S	10/12/2022	1120	14'	G	1	X	X	X	
S-4A	S	10/12/2022	1122	16'	G	1	X	X	X	
S-4A	S	10/12/2022	1124	18'	G	1	X	X	X	
S-5A	S	10/12/2022	1050	4'	G	1	X	X	X	
S-5A	S	10/12/2022	1054	6'	G	1	X	X	X	

880-20339 Chain of Custody

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

Notice: Signature of this document and relinquishment of samples constitutes a valid purchase order from client company to Eurofins Xenco, its affiliates and subcontractors. It assigns standard terms and conditions of service. Eurofins Xenco will be liable only for the cost of samples and shall not assume any responsibility for any losses or expenses incurred by the client if such losses are due to circumstances beyond the control of Eurofins Xenco. A minimum charge of $85.00 will be applied to each project and a charge of $5 for each sample submitted to Eurofins Xenco, but not analyzed. These terms will be enforced unless previously negotiated.

Relinquished by: (Signature)	Received by: (Signature)	Date/Time	Relinquished by: (Signature)	Received by· (Signature)	Date/Time
1		10/13/22	2		
3		0815	4		
5			6		

Revised Date: 08/25/2020 Rev 2020.2

Released to Imaging: 1/30/2023 9:47:44 AM

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: 20339

www.xenco.com Page 2 of 2

Project Manager:	Kayla Taylor	Bill to (if different)	Spencer Jackson
Company Name	Talon LPE	Company Name	Scout Energy
Address:	408 W Texas Ave	Address	13800 Montfort Drive
City, State ZIP:	Artesia, NM 88210	City, State ZIP:	Dallas, Tx 75240
Phone:	575 746 8768	Email	spencer.jackson@scoutep.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:	Mexico J Battery	Turn Around	
Project Number:	702179 008 01	☑ Routine ☐ Rush	
Project Location	Lea Co , New Mexico	Due Date:	
Sampler's Name	K Taylor	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	IR8	
Cooler Custody Seals	Yes No N/A	Correction Factor:	+0.2	
Sample Custody Seals	Yes No N/A	Temperature Reading:	1.6	
Total Containers		Corrected Temperature:	1.8	

Preservative Codes

None NO	DI Water: H_2O
Cool Cool	MeOH Me
HCL. HC	HNO_3 HN
H_2S0_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	

ANALYSIS REQUEST

Sample Identification	Matrix	Date Sampled	Time Sampled	Depth	Grab/ Comp	# of Cont	BTEX 8021B	TPH 8015B NM	Chlorides 300.0	Sample Comments
S-5A	S	10/12/2022	1058	8'	G	1	X	X	X	
S-6A	S	10/12/2022	1002	4'	G	1	X	X	X	
S-6A	S	10/12/2022	1004	6'	G	1	X	X	X	
S-6A	S	10/12/2022	1006	8'	G	1	X	X	X	Loc: 880 20339
S-6A	S	10/12/2022	1008	10'	G	1	X	X	X	
S-6A	S	10/12/2022	1010	12'	G	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

Notice: Signature of this document and relinquishment of samples constitutes a valid purchase order from client company to Eurofins Xenco, its affiliates and subcontractors. It assigns standard terms and conditions of service. Eurofins Xenco will be liable only for the cost of samples and shall not assume any responsibility for any losses or expenses incurred by the client if such losses are due to circumstances beyond the control of Eurofins Xenco. A minimum charge of $85.00 will be applied to each project and a charge of $5 for each sample submitted to Eurofins Xenco, but not analyzed. These terms will be enforced unless previously negotiated.

Relinquished by: (Signature)	Received by: (Signature)	Date/Time	Relinquished by: (Signature)	Received by: (Signature)	Date/Time
1		10/13/22	2		
3		1010	4		
5		0915	6		

Revised Date: 08/25/2020 Rev 2020.2

Received by OCD: 11/17/2022 9:10:10 AM

Released to Imaging: 1/30/2023 9:47:44 AM

10/24/2022

Login Sample Receipt Checklist

Client: Talon/LPE

Job Number: 880-20339-1
SDG Number: Lea Co., New Mexico

Login Number: 20339
List Number: 1
Creator: Rodriguez, Leticia

List Source: Eurofins Midland

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	

From: Spencer Jackson
To: Nobui, Jennifer, EMNRD
Subject: RE: [EXTERNAL] FW: The Oil Conservation Division (OCD) has rejected the application, Application ID: 123826
Date: Friday, January 27, 2023 7:54:13 AM
Attachments: image002.png
(01-05-2023) Mexico J&L Battery Level 2 Final Sample Report.pdf

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Hi Jennifer,

Please see the attached analytical as requested as well as pictures outlining what I explained below.

To remediate the S-4A and S-6A areas would cause us to get dangerously close to the tanks and based on the size of the tanks and age of the battery, I do not feel comfortable that the integrity of the base would hold up.

Also, as I mentioned, our concern is unknown piping running through the S-5A area as we've found piping at other locations that we inherited from Chevron that wasn't previously outlined or mapped in the information provided by Chevron when we acquired the field.

Based on this information, we respectfully request that we defer this case until after the well and battery has been P&Ad.

Please let me know if you have any questions.

Thanks,

Spencer Jackson
Senior Remediation Specialist
SCOUT ENERGY PARTNERS
13800 Montfort Drive
Dallas, TX 75240
spencer.jackson@scoutep.com
O) 972-505-3842
M) 972-965-5580

From: Nobui, Jennifer, EMNRD <Jennifer.Nobui@emnrd.nm.gov>
Sent: Tuesday, January 3, 2023 12:46 PM
To: Spencer Jackson <Spencer.Jackson@scoutep.com>
Cc: Bratcher, Michael, EMNRD <mike.bratcher@emnrd.nm.gov>
Subject: RE: [EXTERNAL] FW: The Oil Conservation Division (OCD) has rejected the application, Application ID: 123826

Hello Spencer

Happy New Year!

I have updated the contact info in our system.
If you can provide OCD with the additional data requested and some photos, we can defer this case until P&A. I will leave this case open and HOLD it until you can email me the additional data, which I can add to this submittal. Let me know if you have any questions.

Thanks,
Jennifer Nobui

From: Spencer Jackson <Spencer.Jackson@scoutep.com>
Sent: Wednesday, December 21, 2022 1:30 PM
To: Nobui, Jennifer, EMNRD <Jennifer.Nobui@emnrd.nm.gov>
Cc: Billings, Bradford, EMNRD <Bradford.Billings@emnrd.nm.gov>; Bratcher, Michael, EMNRD <mike.bratcher@emnrd.nm.gov>
Subject: FW: [EXTERNAL] FW: The Oil Conservation Division (OCD) has rejected the application, Application ID: 123826

Hi Jennifer,

Hope this email finds you well. I got a couple things I wanted to email you about. First, Aaron Hickert who originally started this cleanup as the Scout representative and submitted the initial C-141 forms is no longer with Scout. Would you mind updating this project to reflect my name and email address?

Secondly, we initially remediated the original spill in areas S-4A, S-5A and S-6A, which was the main spill area, so the top 2 feet or so are fresh dirt and shouldn't have any contamination. Through this process we found historic contamination under the liner. My fear, especially in digging around areas S-4A and S-6A is that we could weaken the structural integrity and base of the storage tanks as those areas are very close to the tanks. I can get you pictures of that to show you the infrastructure in relation to areas of S-4A and S-6A per your request below. Also, based on the age of this battery and the not very good data that was provided to us from Chevron, who we bought the assets from, I don't necessarily feel super great about digging in the area around S-5A and risk hitting a pipe or something that we don't know about. We know where some stuff is but are not entirely sure there aren't hidden gems somewhere that we could risk hitting and damaging and causing further problems. Unfortunately, that's not something I can get a you a picture of. These are the reasons we have not done any additional remediation in those areas.

If we Collect samples at .5' and 2' in areas S-4A, S-5A and S-6A, based on what I described above, would that be sufficient to obtain a deferral for this location until the battery is no longer in use? We are not trying to close this site out and in hindsight, probably should not have signed and filled out the closure portion of the C-141 form but in fact defer the cleanup until the asset is no longer used. If we collect these samples you've requested and with the other samples we've taken, we feel that we've accurately delineated the area enough to show what contamination is being left in place per the cleanup standards associated with groundwater being >55' from surface which was indicated

in the well that was drilled and outlined in the package previously sent.

I just wanted to get your thoughts on this before we proceed and determine next steps before we spend more money.

I look forward to hearing from you.

Thanks,

Spencer Jackson
Senior Remediation Specialist
SCOUT ENERGY PARTNERS
13800 Montfort Drive
Dallas, TX 75240
spencer.jackson@scoutep.com
O) 972-505-3842
M) 972-965-5580

From: Nobui, Jennifer, EMNRD <Jennifer.Nobui@emnrd.nm.gov>
Sent: Monday, December 19, 2022 11:45 AM
To: Aaron Hickert <ahickert@scoutep.com>
Cc: Billings, Bradford, EMNRD <Bradford.Billings@emnrd.nm.gov>; Bratcher, Michael, EMNRD <mike.bratcher@emnrd.nm.gov>
Subject: RE: [EXTERNAL] FW: The Oil Conservation Division (OCD) has rejected the application, Application ID: 123826

Hello Aaron

OCD has reviewed your revised Deferral Request for Mexico J Battery – nAPP2128532809 App ID# 118833, and at this time we cannot close this release out. We need to know what the soil concentrations are from 0-4' at S-4A, S-5A, and S-6A, as they potentially can be quite high based on what was detected at 4' and below. For a deferral, we need to know what concentrations are going to be left in place. A deferral around critical infrastructure will need to be submitted after all possible contaminated soil is removed. This site has not been remediated. Specifying exactly which sample points you are asking for a deferral on and the reason the contaminants cannot be removed is needed. Only sample locations that are right adjacent to equipment and require a major deconstruction will be available for a deferral.

Can you collect some additional samples from 0-4' from S-4A, S-5A, and S-6A (0.5'&2')? Also can you provide us with photos from S-4A, S-5A, and S-6A showing what infrastructure is preventing remediation? Do you have maps of underground pipelines in those areas?

Also, please note that a Deferral Request will keep the release to remain open in OCD database files

and reflect an open environmental issue. The OCD will not close a release, where contaminants are left in place, due to close proximity to equipment. The incident will only be closed after all contaminated soil has been remediated to meet OCD Spill Rule Standards. The deferral is a promise to address soils when the pad is decommissioned or when major reconstruction occurs. You cannot close a release out if you are also requesting a deferral.

Please let me know if you wish to discuss this release and a path forward further with OCD.

Thanks,

Jennifer Nobui, PG • Environmental Specialist A
Environmental Bureau
EMNRD - Oil Conservation Division
5200 Oakland Avenue N.E Suite 100 | Albuquerque, NM 87113
505.470-3407 | Jennifer.Nobui@state.nm.us
http://www.emnrd.state.nm.us/OCD/

From: Aaron Hickert <ahickert@scoutep.com>
Sent: Friday, September 16, 2022 8:59 AM
To: Nobui, Jennifer, EMNRD <Jennifer.Nobui@state.nm.us>
Subject: RE: [EXTERNAL] FW: The Oil Conservation Division (OCD) has rejected the application, Application ID: 123826

Thank you very much!!
Aaron

From: Nobui, Jennifer, EMNRD <Jennifer.Nobui@state.nm.us>
Sent: Friday, September 16, 2022 9:58 AM
To: Aaron Hickert <ahickert@scoutep.com>
Cc: Bratcher, Mike, EMNRD <mike.bratcher@state.nm.us>; Hamlet, Robert, EMNRD <Robert.Hamlet@state.nm.us>; Harimon, Jocelyn, EMNRD <Jocelyn.Harimon@state.nm.us>
Subject: RE: [EXTERNAL] FW: The Oil Conservation Division (OCD) has rejected the application, Application ID: 123826

Aaron

OCD approves your request for a 90-day extension to November 18, 2022 to submit a closure report. Please include a copy of this and all notifications in the remedial and/or closure reports to ensure the notifications are documented in the project file.

Thanks,
Jennifer Nobui

From: Aaron Hickert <ahickert@scoutep.com>
Sent: Friday, September 16, 2022 6:34 AM
To: Nobui, Jennifer, EMNRD <Jennifer.Nobui@state.nm.us>
Cc: Kayla Taylor <ktaylor@talonlpe.com>
Subject: RE: [EXTERNAL] FW: The Oil Conservation Division (OCD) has rejected the application, Application ID: 123826

Good Morning Jennifer,
As anticipated, we had scheduling issues with drill rig and geo-probe. Scout Energy is requesting a 60 or 90-day extension for the remediation of the Mexico J Battery for incident #nAPP2128532809. Site delineation as requested was attempted but not achieved through the use of a geo-probe rig due to refusal. Drilling has been scheduled for the 2nd week of October. Once laboratory data is received and reviewed, the information will be incorporated in the final closure and deferment request. We also plan to drill to establish depth to water for this site. Please advise of your concurrence.
Thank you,

Aaron Hickert
Sr EHS Coordinator
SCOUT
3375 E. Hwy 158
Goldsmith, TX 79741
O – 432-614-0356
C – 620-353-4960
ahickert@scoutep.com

From: Nobui, Jennifer, EMNRD <Jennifer.Nobui@state.nm.us>
Sent: Friday, July 29, 2022 10:07 AM
To: Aaron Hickert <ahickert@scoutep.com>; Kayla Taylor <ktaylor@talonlpe.com>
Subject: RE: [EXTERNAL] FW: The Oil Conservation Division (OCD) has rejected the application, Application ID: 123826

Hi Aaron

OCD is going to need a fourth boring for a deferral. I have added an X where it should go (see attachment). Three borings would have been ok for delineation followed by remediation, but since you are asking for a deferral covering a large part of the pad, we need to know what is being deferred. Please make sure you get bottoms to the most stringent criteria. Please let me know if you need an extension. Let me know if you have any questions.

Thanks

Jennifer Nobui, PG • Environmental Specialist A
Environmental Bureau
EMNRD - Oil Conservation Division
5200 Oakland Avenue N.E Suite 100 | Albuquerque, NM 87113

505.470-3407 | Jennifer.Nobui@state.nm.us
http://www.emnrd.state.nm.us/OCD/

From: Aaron Hickert <ahickert@scoutep.com>
Sent: Friday, July 29, 2022 7:31 AM
To: Nobui, Jennifer, EMNRD <Jennifer.Nobui@state.nm.us>; Kayla Taylor <ktaylor@talonlpe.com>
Subject: [EXTERNAL] FW: The Oil Conservation Division (OCD) has rejected the application, Application ID: 123826

CAUTION: This email originated outside of our organization. Exercise caution prior to clicking on links or opening attachments.

Jennifer,

Thank you for returning my call on Wednesday and providing clarification on the rejection of our deferment request. I also wanted to circle back with you and make sure I have the correct path forward because we discussed a lot in a short amount of time.
I have attached a copy of page 8 (Figure 1) with notes I made on what we discussed about how Scout/Talon would be able to provide the NMOCD Full Delineation of the site in order to get acceptance of deferment on this site. At this time, we are working on scheduling a drill rig to complete three borings at the specified locations shown in the attachment that we discussed for soil sampling down to clearance levels. Talon or I will reach out to you if an extension is needed due to drill rig availability and scheduling issues. Finally, when we submit the updated deferment request, in our cover letter, we will ask that the request be directed to you and we will email you separately that we have submitted the updated request.
Please let me know if there is anything we discussed that I need to include in our plan.

Thank you,

Aaron Hickert
Sr EHS Coordinator
SCOUT
3375 E. Hwy 158
Goldsmith, TX 79741
O – 432-614-0356
C – 620-353-4960
ahickert@scoutep.com

From: Kayla Taylor <ktaylor@talonlpe.com>
Sent: Tuesday, July 19, 2022 9:03 PM
To: Aaron Hickert <ahickert@scoutep.com>
Subject: Fwd: The Oil Conservation Division (OCD) has rejected the application, Application ID: 123826
Aaron,
See the response below. I am in the field this week with limited cell service but will review more in

depth and get back with you on Friday.
-Kayla

From: Rebecca Pons <rpons@talonlpe.com>
Sent: Tuesday, July 19, 2022 4:23 PM
To: Kayla Taylor <ktaylor@talonlpe.com>
Cc: David J. Adkins <dadkins@talonlpe.com>
Subject: FW: The Oil Conservation Division (OCD) has rejected the application, Application ID: 123826

Hi Kayla,
The NMOCD had denied the deferral request for the Scout Energy Mexico Battery. The details are in the following email.

From: OCDOnline@state.nm.us <OCDOnline@state.nm.us>
Sent: Tuesday, July 19, 2022 9:03 AM
To: Rebecca Pons <rpons@talonlpe.com>
Subject: The Oil Conservation Division (OCD) has rejected the application, Application ID: 123826

This message originated from an **External Source**. Please use proper judgment and caution when opening attachments, clicking links, or responding to this email.

To whom it may concern (c/o Rebecca Pons for Talon LPE),

The OCD has rejected the submitted *Application for administrative approval of a release notification and corrective action* (C-141), for incident ID (n#) nAPP2128532809, for the following reasons:

- **Deferral Request Denied. Site not sufficiently delineated for deferral consideration. OCD requires additional soil samples be collected from the spill areas. See 19.15.29.12.C(2) NMAC for deferral requirements. Please complete delineation and remediation activities at the site and please submit a Closure report to the OCD portal by August 19, 2022.**

The rejected C-141 can be found in the OCD Online: Permitting - Action Status, under the Application ID: 123826.
Please review and make the required correction(s) prior to resubmitting.
If you have any questions why this application was rejected or believe it was rejected in error, please contact me prior to submitting an additional C-141.

Thank you,
Jennifer Nobui
Environmental Specialist-Advanced
505-470-3407
Jennifer.Nobui@state.nm.us

New Mexico Energy, Minerals and Natural Resources Department
1220 South St. Francis Drive
Santa Fe, NM 87505

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

Operator: Talon LPE 408 W Texas Artesia, NM 88210	OGRID: 329944
	Action Number: 118833
	Action Type: [C-141] Release Corrective Action (C-141)

CONDITIONS

Created By	Condition	Condition Date
jnobui	Deferral Request Approved. The Deferral Request and C-141 will be accepted for record and marked accordingly. The release will remain open in OCD database files and reflect an open environmental issue. The OCD will not close a release, where contaminants are left in place, due to close proximity to equipment. The incident will only be closed after all contaminated soil has been remediated to meet OCD Spill Rule Standards.	1/30/2023