

Carlsbad Fee #1

OCD incident nAPP2228659547

10/13/2022

Spill Volume(Bbls) Calculator	
<i>Inputs in blue, Outputs in red</i>	
Contaminated Soil measurement	
Area (sq feet)	Depth (in)
<u>3,156.00</u>	<u>1.00</u>
Cubic Feet of Soil Impacted	<u>263.00</u>
Barrels of Soil Impacted	<u>46.88</u>
Soil Type	Clay/Sand
Barrels of Oil Assuming 100% Saturation	<u>7.03</u>
Saturation	Fluid present when squeezed
Estimated Barrels of Oil Released	3.52
Free Standing Fluid Only	
Area (sq feet)	Depth (inches))
<u>2,000.00</u>	<u>0.250</u>
Standing fluid	<u>7.41</u>
Total fluids spilled	<u>10.93</u>

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Closure Report

Carlsbad Fee #1

Eddy County, New Mexico

Incident # nAPP2228659547

Prepared For:

Devon Energy Production Company

6488 Seven Rivers Highway

Artesia, New Mexico 88210

Prepared By:

Talon/LPE, Ltd.

408 W. Texas Avenue

Artesia, New Mexico 88210

June 24, 2024

**NMOCD**

506 W. Texas Ave
Artesia, New Mexico 88210

Subject: **Closure Report**
Carlsbad Fee #1
Eddy County, New Mexico
Incident # nAPP2228659547

To Whom It May Concern,

Devon Energy Production Company contracted Talon/LPE, Ltd. (Talon) to complete closure activities at the above referenced location. The incident description, soil sampling results and closure request are presented herein.

Site Information

The Carlsbad Fee #1 is located approximately 6 miles southeast of Carlsbad, New Mexico. The legal location for this release is Unit Letter P, Section 35, Township 22 South, and Range 27 East in Eddy County, New Mexico. The latitude and longitude for the site is 32.34437, -104.15523. 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 soil in the area is made up of Upton soils with 0 to 1 percent slopes. The referenced soil data is presented in [Appendix III](#). Per the New Mexico Bureau of Geology and Mineral Resources, the local surface and shallow geology consists of alluvium deposits, Holocene to upper Pleistocene in age. Drainage courses in this area are typically well drained. Groundwater and site characterization data is summarized in the following table.

Groundwater and Site Characterization

What is the shallowest depth to groundwater beneath the area affected by the release?	Between 75 and 100 (ft bgs)
What method was used to determine the depth to groundwater?	US Geological Survey
Did the release impact groundwater or surface water?	No
Distance from a flowing watercourse or any other significant watercourse.	Between 1 and 5 mile
Distance from any lakebed, sinkhole, or playa lake.	Between 1 and 5 mile
Distance from an occupied permanent residence, school, hospital, institution, or church.	Between 1 and 5 mile
Distance from a spring or private domestic fresh water well used by less than five households for domestic or stock watering purposes.	Between 1 and 5 mile
Distance from any fresh water well or spring.	Between 1 and 5 mile
Distance from incorporated municipal boundaries or a defined municipal fresh water field.	Greater than 5 miles
Distance from a wetland.	Between 1 and 5 mile
Distance from a subsurface mine.	Between 1 and 5 mile
Distance from (non-karst) unstable area.	Greater than 5 miles
Categorize the risk of this well/site being in a karst geology.	Medium
Distance from a 100 year floodplain.	Between 1 and 5 mile
Did the release impact areas not on an exploration, development, production, or storage site?	Yes

With depth to water source available that meets New Mexico Oil Conservation Division's (NMOCD) criteria within ½ mile of the site, the responsible party must therefore, adhere to the cleanup criteria for this site of groundwater greater than 51 feet bgs, Table I, NMOCD Rule 19.15.29 NMAC.

Table I - Closure Criteria for Soils Impacted by a Release			
Depth below horizontal extents of release to ground water less than 10,000 mg/l TDS	Constituent	Method*	Limit**
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

*Or other test methods approved by the division,

**Numerical limits or natural background level, whichever is greater.

***This applies to releases of produced water or other fluids, which may contain chloride.

[19.15.29.12 NMAC - N, 8/14/2018]

Incident Description

On October 13, 2022, approximately seven (7) barrels (bbls) of oil and four (4) bbls of produced water were discharged onto the well pad and adjoining pasture due to valve leak. A vacuum truck was dispatched and five (5) bbls of oil and two (2) bbls of produced water was recovered. The release was reported to the NMOCD and was assigned incident # nAPP2228659547.

Site maps of the release are presented in [Appendix I](#). Initial C-141 spill notifications were filed with the NMOCD.

Site Assessment Activities

On March 13, 2023, Talon personnel conducted a site assessment by collecting soil assessment samples from test trenches completed by a backhoe within the release area. Five (5) test trenches were completed on the well pad until refusal was encountered on a hard rock subsurface layer (Figure 1). The test trenches (TT-1, TT-2, TT-3, TT-4, and TT-5) were completed to refusal depths of 10 feet, 6 feet, 8 feet, 8 feet, and 6 feet bgs, respectively. Three (3) test trenches were completed in the adjacent pasture to depths of six (6) feet bgs. The soil samples were properly contained, preserved, and transported to Eurofins Laboratories for analyses of Total Chlorides (EPA 300.0), Total Petroleum Hydrocarbons (TPH by EPA Method 8015M), and Volatile Organics (BTEX by EPA Method 8021B).

Talon returned to location during August 30, 2023, to attempt vertical chloride delineation in the areas of TT-1, TT-2, and TT-3. However, refusal was encountered with an excavator in TT-1 at 9.5 feet bgs, TT-2 at 11 feet bgs, and TT-3 at 10.5 feet bgs. Due to the refusals, a more thorough depth to water search led to the discovery of USGS 322033104093501 that was last tested for depth to water on January 11, 2014. DTW was confirmed at 77.8 feet bgs.

On March 6, 2024, Talon returned to location to acquire eight (8) background samples to fully delineate the release horizontally.

The soil samples were properly packaged in laboratory provided glassware, preserved on ice in the custody of Talon personnel, and transported to Cardinal Laboratories for analysis of Total Chlorides (SM4500Cl-B), Total Petroleum Hydrocarbons (TPH by EPA Method 8015M), and Volatile Organics (BTEX by EPA Method 8021B).

Results from the initial sampling event are presented on Table 1 and background sampling data is included in Table 2 in [Appendix II](#) and the complete laboratory reports can be found in [Appendix VI](#). Sample locations are shown on the attached [Figure 1](#) in [Appendix I](#).

Regulatory Response

On May 7, 2024, the NMOCD denied the submitted closure report. The NMOCD stated the closure was denied based upon the GRO + DRO concentrations of 1,073.1 mg/kg for the assessment area of TT-4 at one (1) foot bgs. Additionally, the estimate surface area to be reclaimed once the site is no longer being used for oil and gas operations would need to be recalculated.

Remediation Activities

Upon client authorization, excavation activities were completed on June 3, 2024. The assessment area of TT-4 was excavated to remove TPH exceedances.

The area was excavated to a depth of two (2) feet bgs. Composite samples were collected from the excavation bottom (C-1 and C-2) and sidewalls (SW-1, SW-2, SW-3, and SW-4).

Final confirmation samples were collected on June 6, 2024, to confirm that NMOCD closure criteria had been met for the excavated area, the results of which can be found Table 3 in [Appendix II](#). Confirmation sample locations and excavation dimensions can be found on the confirmation sample map, Figure 2 in [Appendix I](#). Confirmation 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 8015B NM) and Volatile Organics

(BTEX, EPA Method 8021B). The laboratory report for the remediation effort is included in [Appendix V](#).

Remedial Action Summary

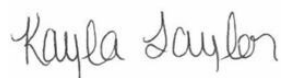
- The area of TT-4 on the pad location was excavated to a final depth of two (2) feet bgs. The confirmation samples were labeled C-1 and C-2 for the bottom of the excavation and SW-1 through SW-4 for the corresponding sidewalls.
- Pad sample assessment areas (TT-1, TT-2, TT-3, and TT-5) did not have any documented laboratory exceedances above their respective groundwater depth NMOCD closure criteria.
- Pasture sample assessment areas (TT-6, TT-7, and TT-8) did not have any documented laboratory exceedances above NMOCD closure criteria.
- Horizontal delineation of the release was established by the background samples (BG-1 through BG-6).
- Pursuant to NMOCD guidance, confirmation soil samples were collected at 200 square foot intervals and analyzed for TPH, BTEX, and Total Chlorides to insure all other areas outside of deferment had reached NMOCD closure criteria.
- The excavated area on the well pad was backfilled with new caliche, machine compacted and contoured to match the surrounding location.
- Approximately 11 cubic yards of excavated material was transported an NMOCD approved solid waste disposal facility.
- Photographic documentation is provided in [Appendix IV](#).

Closure

Based on the site assessment and characterization data, on behalf of Devon Energy Production Company, we respectfully request that no further actions be required, and that closure of this incident be granted.

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, Ltd.



Kayla Taylor
Project Manager



David Adkins
Regional Manager

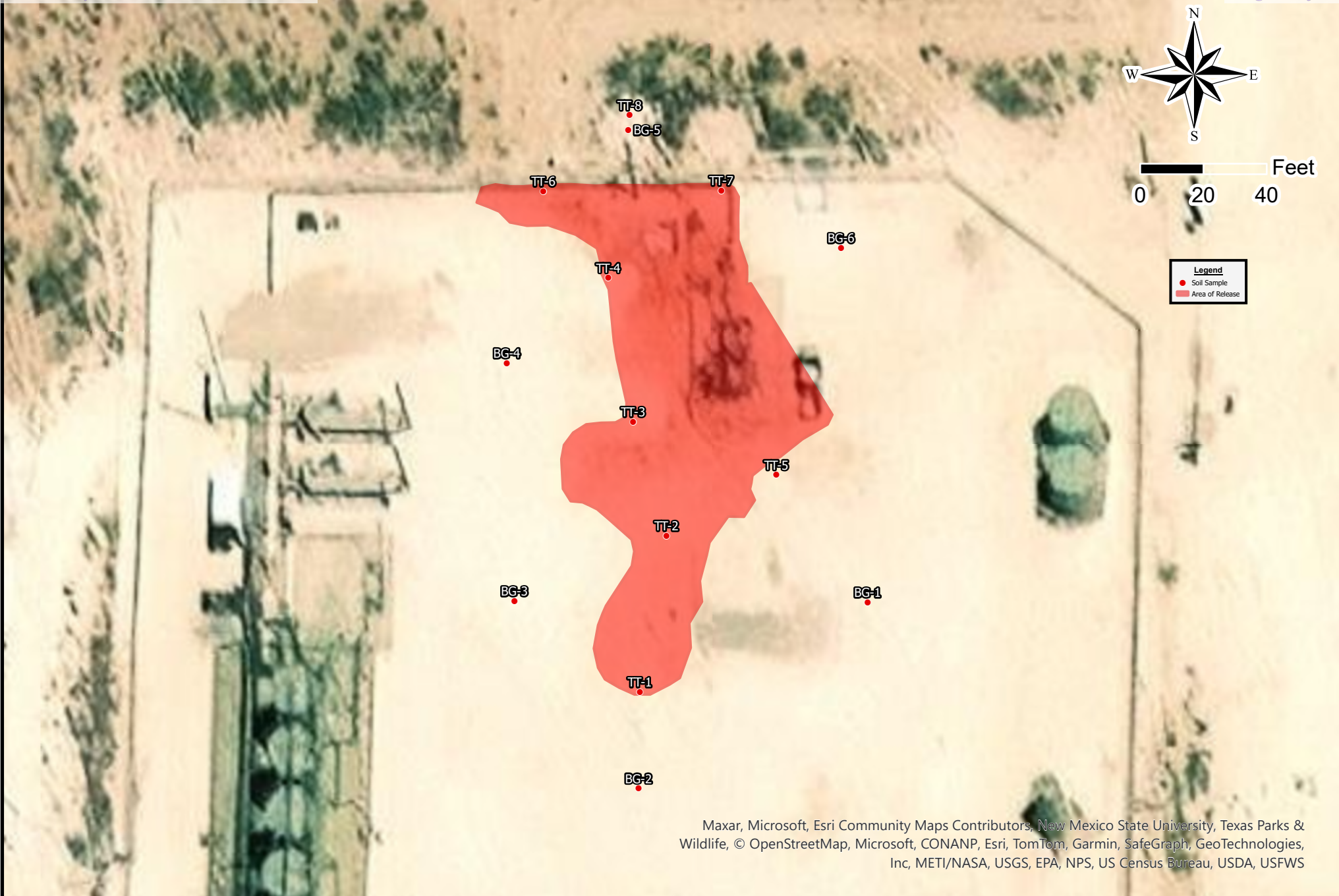
Attachments:

Appendix I	Site Maps
Appendix II	Tables
Appendix III	Site Characterization
Appendix IV	Photographic Documentation
Appendix V	Laboratory Analytical Data



APPENDIX I

Site Maps



Maxar, Microsoft, Esri Community Maps Contributors, New Mexico State University, Texas Parks & Wildlife, © OpenStreetMap, Microsoft, CONANP, Esri, TomTom, Garmin, SafeGraph, GeoTechnologies, Inc, METI/NASA, USGS, EPA, NPS, US Census Bureau, USDA, USFWS



Drafted: 4/2/2024
1 in = 40 ft
Drafted By: IJR

Devon Energy
Carlsbad Fee 1
Carlsbad, New Mexico
Figure 1 - Site Assessment Map

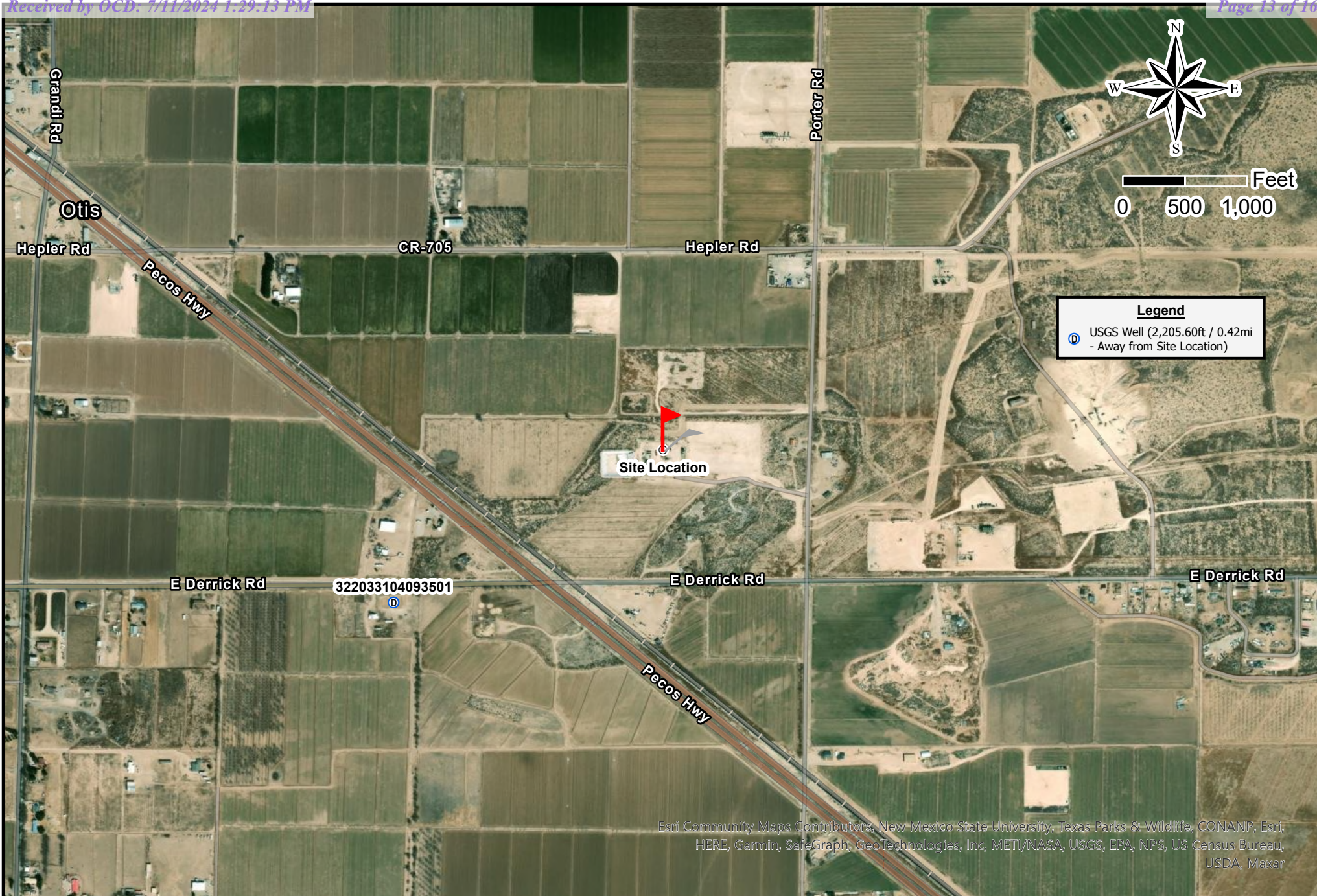


Drafted: 6/20/2024

1 in = 20 ft

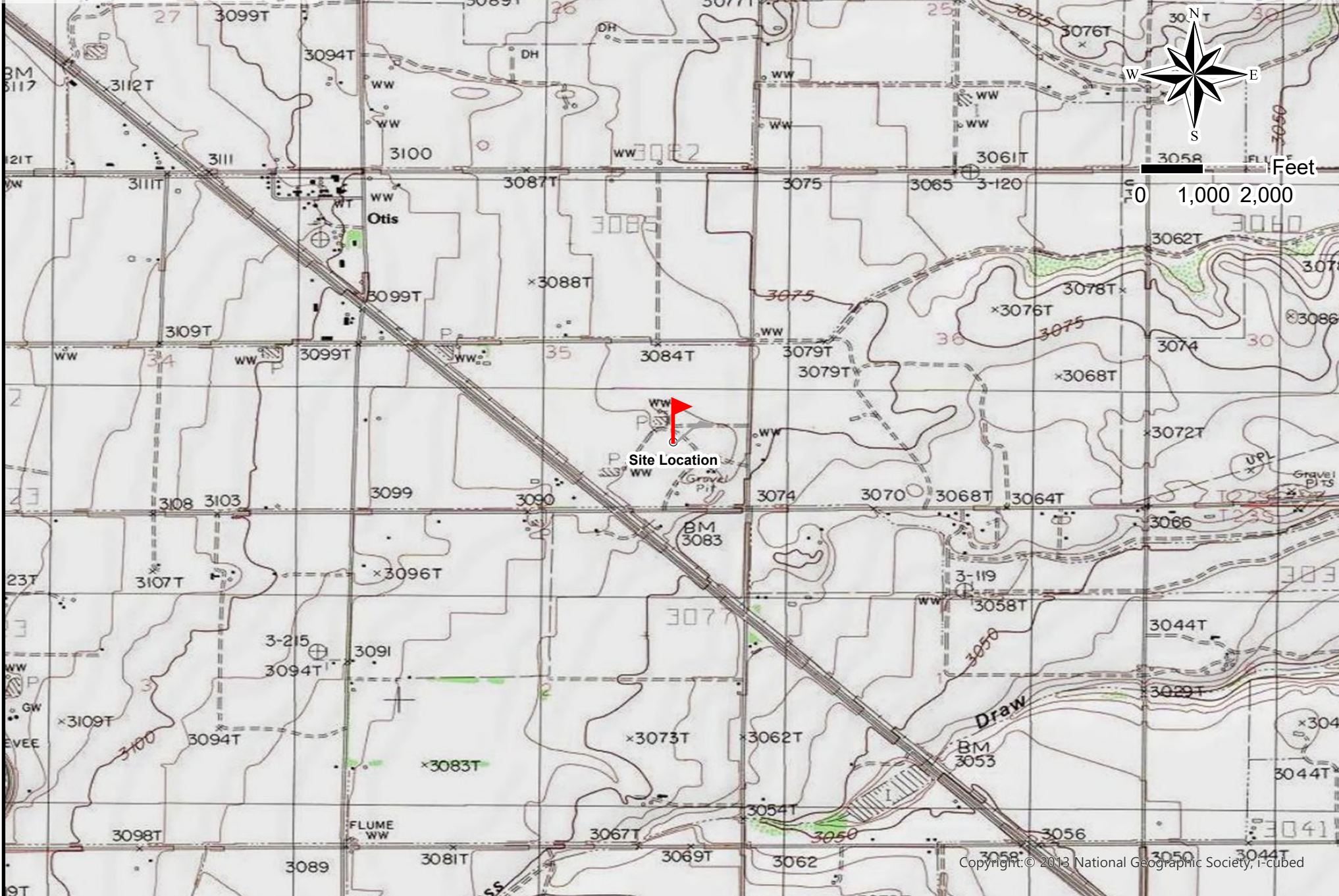
Drafted By: IJR

Devon Energy
Carlsbad Fee 1
Carlsbad, New Mexico
Figure 2 - Confirmation Sampling Map



Drafted: 11/2/2023
1 in = 1,000 ft
Drafted By: IJR

Devon Energy
Carlsbad Fee 1
Carlsbad, New Mexico
Figure 3 - Site Location Map

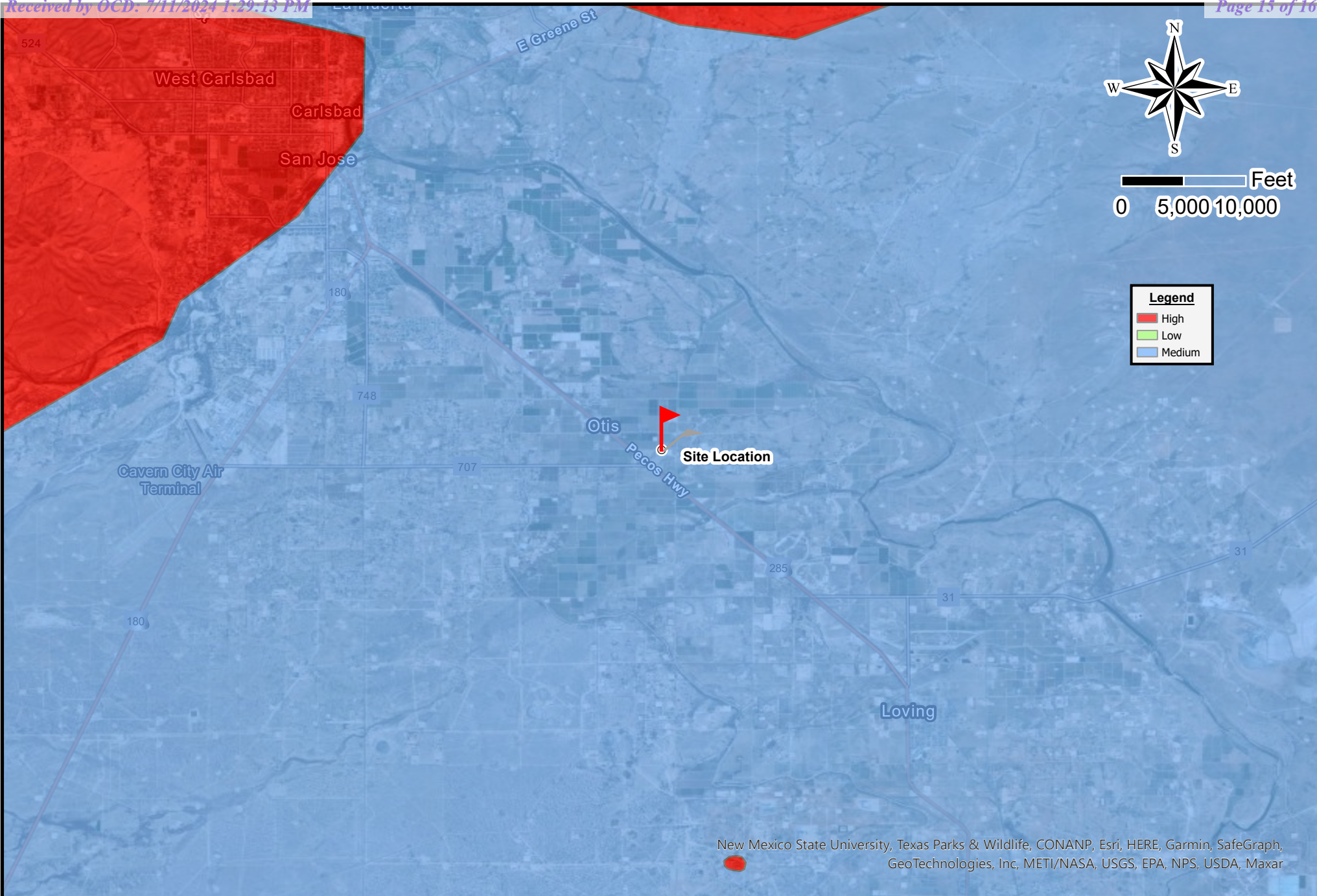


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Drafted: 11/2/2023
1 in = 2,000 ft
Drafted By: IJR

Devon Energy
Carlsbad Fee 1
Carlsbad, New Mexico
Figure 4 - Topographic Map



Drafted: 11/2/2023
1 in = 10,000 ft
Drafted By: IJR

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Carlsbad Fee 1
Carlsbad, New Mexico
Figure 5 - Karst Map



APPENDIX II

Tables

Table 1
Assessment Analytical Data Summary

Carlsbad Fee #1 On Pad									
Sample ID	Sample Date	Depth (BGS)	Benzene mg/kg	BTEX 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			10 mg/kg	50 mg/kg	DRO + GRO combined = 1,000 mg/kg			2,500 mg/kg	10,000 mg/kg
TT-1	3/13/2023	1'	ND	ND	45.7	32.7	ND	78.4	4900
	3/13/2023	2'	ND	ND	23.4	29.6	-	53	2760
	3/13/2023	4'	ND	ND	ND	278	ND	278	2020
	3/13/2023	6'	NT	NT	24.4	18.9	-	43.3	2080
	3/13/2023	8'	NT	NT	46.7	17.6	-	64.3	1540
	8/30/2023	9.5' R	ND	ND	ND	ND	ND	-	1260
	3/13/2023	10' R	NT	NT	NT	NT	NT	-	1180
TT-2	3/13/2023	1'	ND	ND	20.2	89.8	ND	110	3860
	3/13/2023	2'	ND	ND	21.1	23.6	18.8	63.5	3190
	3/13/2023	4'	ND	ND	28.8	23.9	ND	52.7	1910
	3/13/2023	6' R	NT	NT	NT	NT	NT	-	2290
	8/31/2023	11' R	ND	ND	ND	125	37.3	162.3	1660
TT-3	3/13/2023	1'	ND	ND	16.8	70.8	-	87.6	322
	3/13/2023	2'	ND	ND	ND	35.6	ND	35.6	172
	3/13/2023	4'	ND	ND	31.2	19.1	ND	50.3	1280
	3/13/2023	6'	NT	NT	NT	NT	NT	-	1830
	3/13/2023	8' R	NT	NT	NT	NT	NT	-	1730
	8/31/2023	10.5' R	ND	ND	ND	ND	ND	-	1440
TT-4	3/13/2023	1'	ND	0.0046	93.1	1080	ND	1173.1	2950
	3/13/2023	2'	ND	ND	30.4	33.7	-	64.1	114
	3/13/2023	4'	ND	ND	24.2	19.5	-	43.7	28.9
	3/13/2023	6'	NT	NT	NT	NT	NT	-	NT
	3/13/2023	8' R	NT	NT	NT	NT	NT	-	NT
TT-5	3/13/2023	1'	ND	0.00611	36.2	31.8	-	68	583
	3/13/2023	2'	ND	ND	22.1	ND	ND	22.1	544
	3/13/2023	4'	ND	ND	37.7	ND	ND	37.7	93.3
	3/13/2023	6' R	NT	NT	NT	NT	NT	-	NT

Table 1
Assessment Analytical Data Summary

Carlsbad Fee #1 Pasture									
Sample ID	Sample Date	Depth (BGS)	Benzene mg/kg	BTEX mg/kg	GRO mg/kg	DRO mg/kg	MRO mg/kg	Total TPH mg/kg	Chlorides mg/kg
NMOCD Table 1 Closure Criteria			10 mg/kg	50 mg/kg	DRO + GRO + MRO combined = 100			100 mg/kg	600 mg/kg
TT-6	3/13/2023	1'	ND	ND	31.3	38	ND	69.3	194
	3/13/2023	2'	ND	ND	17.2	66.2	ND	83.4	199
	3/13/2023	4'	ND	ND	28.6	ND	ND	28.6	119
	3/13/2023	6'	NT	NT	NT	NT	NT	-	NT
TT-7	3/13/2023	1'	ND	0.00113	30	20.8	ND	50.8	95.6
	3/13/2023	2'	ND	ND	29.8	24.8	ND	54.6	63.3
	3/13/2023	4'	ND	ND	28.2	ND	ND	28.2	154
	3/13/2023	6'	NT	NT	NT	NT	NT	-	NT
TT-8	3/13/2023	1'	ND	ND	43.1	ND	ND	43.1	45.3
	3/13/2023	2'	ND	ND	48.5	24	16.8	89.3	77.2
	3/13/2023	4'	ND	ND	18.9	18.2	15.1	52.2	129
	3/13/2023	6'	NT	NT	NT	NT	NT	-	NT

NOTES:

BGS Below ground surface
mg/kg Milligrams per kilogram
TPH Total Petroleum Hydrocarbons
GRO Gasoline range organics
DRO Diesel range organics
TT Test Trench
ND Analyte Not Detected
NT Analyte Not Tested

Highlighted cells indicate exceedance of NMOCD Table 1 Closure Criteria

Table 2
Background Analytical Data Summary

Sample ID	Sample Date	Depth (BGS)	Benzene mg/kg	BTEX 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			10 mg/kg	50 mg/kg	DRO + GRO + MRO combined = 100 mg/kg			100 mg/kg	600 mg/kg
BG-1	3/6/24	1'	ND	ND	ND	ND	ND	-	320
BG-2	3/6/24	1'	ND	ND	ND	ND	ND	-	384
BG-3	3/6/24	1'	ND	ND	ND	ND	ND	-	128
BG-4	3/6/24	1'	ND	ND	ND	ND	ND	-	496
BG-5	3/6/24	1'	ND	ND	ND	ND	ND	-	32
BG-6	3/6/24	1'	ND	ND	ND	ND	ND	-	496

NOTES:

BGS Below ground surface
mg/kg Milligrams per kilogram
TPH Total Petroleum Hydrocarbons
GRO Gasoline range organics
DRO Diesel range organics
MRO Motor oil range organics
BG Background Sample
ND Analyte Not Detected

**Highlighted cells indicate exceedance of NMOCD Table
1 Closure Criteria**

Table 3
Confirmation Analytical Data Summary

Sample ID	Sample Date	Depth (BGS)	Benzene mg/kg	BTEX 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			10 mg/kg	50 mg/kg	DRO + GRO + MRO combined = 100 mg/kg			100 mg/kg	600 mg/kg
C-1	6/6/2024	2'	ND	ND	ND	ND	ND	-	378
C-2	6/6/2024	2'	ND	ND	ND	ND	ND	-	387
SW-1	6/6/2024	2'	ND	ND	ND	ND	ND	-	323
SW-2	6/6/2024	2'	ND	ND	ND	ND	ND	-	264
SW-3	6/6/2024	2'	ND	ND	ND	ND	ND	-	236
SW-4	6/6/2024	2'	ND	ND	ND	ND	ND	-	500

NOTES:

BGS Below ground surface
mg/kg Milligrams per kilogram
TPH Total Petroleum Hydrocarbons
GRO Gasoline range organics
DRO Diesel range organics
MRO Motor oil range organics
ND Analyte Not Detected

**Highlighted cells indicate exceedance of NMOCD Table
1 Closure Criteria**



APPENDIX III

Site Characterization



USGS Home
Contact USGS
Search USGS

National Water Information System: Web Interface

USGS Water Resources

Data Category:
Groundwater

Geographic Area:
United States

GO

Click to hideNews Bulletins

- Explore the NEW [USGS National Water Dashboard](#) interactive map to access real-time water data from over 13,500 stations nationwide.
- [Full News](#)

Groundwater levels for the Nation

Important: [Next Generation Monitoring Location Page](#)

Search Results -- 1 sites found

Agency code = usgs
site_no list =

- 322033104093501

Minimum number of levels = 1
[Save file of selected sites](#) to local disk for future upload

USGS 322033104093501 23S.27E.02.122221

Eddy County, New Mexico
Latitude 32°20'28.2", Longitude 104°09'40.2" NAD83
Land-surface elevation 3,092.10 feet above NGVD29
The depth of the well is 186 feet below land surface.
This well is completed in the Other aquifers (N9999OTHER) national aquifer.
This well is completed in the Alluvium, Bolson Deposits and Other Surface Deposits (110AVMB) local aquifer.

Output formats

Table of data
Tab-separated data
Graph of data
Reselect period

Date	Time	? Water-level date-time accuracy	? Parameter code	Water level, feet below land surface	Water level, feet above specific vertical datum	Referenced vertical datum	? Status	? Method of measurement	? Measuring agency	? Source measu
1946-10-25			D 62610		3065.70	NGVD29	1		Z	
1946-10-25			D 62611		3067.32	NAVD88	1		Z	
1946-10-25			D 72019	26.40			1		Z	
1947-02-08			D 62610		3064.00	NGVD29	1		Z	
1947-02-08			D 62611		3065.62	NAVD88	1		Z	
1947-02-08			D 72019	28.10			1		Z	
1947-09-26			D 62610		3022.14	NGVD29	P		Z	
1947-09-26			D 62611		3023.76	NAVD88	P		Z	
1947-09-26			D 72019	69.96			P		Z	
1948-02-09			D 62610		3052.62	NGVD29	1		Z	
1948-02-09			D 62611		3054.24	NAVD88	1		Z	
1948-02-09			D 72019	39.48			1		Z	
1949-01-28			D 62610		3054.33	NGVD29	1		Z	
1949-01-28			D 62611		3055.95	NAVD88	1		Z	
1949-01-28			D 72019	37.77			1		Z	
1950-01-18			D 62610		3061.42	NGVD29	1		Z	

Date	Time	? Water-level date-time accuracy	? Parameter code	Water level, feet below land surface	Water level, feet above specific vertical datum	Referenced vertical datum	? Status	? Method of measurement	? Measuring agency	? Source measu
1950-01-18			D 62611		3063.04	NAVD88	1		Z	
1950-01-18			D 72019	30.68			1		Z	
1951-01-16			D 62610		3028.10	NGVD29	P		Z	
1951-01-16			D 62611		3029.72	NAVD88	P		Z	
1951-01-16			D 72019	64.00			P		Z	
1952-01-14			D 62610		3057.03	NGVD29	1		Z	
1952-01-14			D 62611		3058.65	NAVD88	1		Z	
1952-01-14			D 72019	35.07			1		Z	
1953-01-24			D 62610		3042.66	NGVD29	1		Z	
1953-01-24			D 62611		3044.28	NAVD88	1		Z	
1953-01-24			D 72019	49.44			1		Z	
1953-11-27			D 62610		3035.71	NGVD29	1		Z	
1953-11-27			D 62611		3037.33	NAVD88	1		Z	
1953-11-27			D 72019	56.39			1		Z	
1954-01-13			D 62610		3037.12	NGVD29	1		Z	
1954-01-13			D 62611		3038.74	NAVD88	1		Z	
1954-01-13			D 72019	54.98			1		Z	
1954-03-10			D 62610		3037.16	NGVD29	1		Z	
1954-03-10			D 62611		3038.78	NAVD88	1		Z	
1954-03-10			D 72019	54.94			1		Z	
1954-05-05			D 62610		3032.70	NGVD29	1		Z	
1954-05-05			D 62611		3034.32	NAVD88	1		Z	
1954-05-05			D 72019	59.40			1		Z	
1954-07-07			D 62610		3024.00	NGVD29	1		Z	
1954-07-07			D 62611		3025.62	NAVD88	1		Z	
1954-07-07			D 72019	68.10			1		Z	
1954-08-31			D 62610		3025.35	NGVD29	1		Z	
1954-08-31			D 62611		3026.97	NAVD88	1		Z	
1954-08-31			D 72019	66.75			1		Z	
1954-10-12			D 62610		3028.76	NGVD29	1		Z	
1954-10-12			D 62611		3030.38	NAVD88	1		Z	
1954-10-12			D 72019	63.34			1		Z	
1954-11-08			D 62610		3031.02	NGVD29	1		Z	
1954-11-08			D 62611		3032.64	NAVD88	1		Z	
1954-11-08			D 72019	61.08			1		Z	
1955-01-14			D 62610		3034.15	NGVD29	1		Z	
1955-01-14			D 62611		3035.77	NAVD88	1		Z	
1955-01-14			D 72019	57.95			1		Z	
1955-03-16			D 62610		3031.05	NGVD29	1		Z	
1955-03-16			D 62611		3032.67	NAVD88	1		Z	
1955-03-16			D 72019	61.05			1		Z	
1955-05-07			D 62610		3033.86	NGVD29	1		Z	
1955-05-07			D 62611		3035.48	NAVD88	1		Z	
1955-05-07			D 72019	58.24			1		Z	
1955-07-08			D 62610		3038.41	NGVD29	1		Z	
1955-07-08			D 62611		3040.03	NAVD88	1		Z	
1955-07-08			D 72019	53.69			1		Z	
1955-09-13			D 62610		3043.60	NGVD29	1		Z	
1955-09-13			D 62611		3045.22	NAVD88	1		Z	
1955-09-13			D 72019	48.50			1		Z	

Date	Time	? Water-level date-time accuracy	? Parameter code	Water level, feet below land surface	Water level, feet above specific vertical datum	Referenced vertical datum	? Status	? Method of measurement	? Measuring agency	? Source measu
1955-11-07			D	62610	3047.38	NGVD29	1		Z	
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1955-11-07			D	72019	44.72		1		Z	
1956-01-09			D	62610	3048.05	NGVD29	1		Z	
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1956-03-12			D	72019	43.93		1		Z	
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1959-05-29			D	62610	3048.86	NGVD29	1		Z	
1959-05-29			D	62611	3050.48	NAVD88	1		Z	

Date	Time	? Water-level date-time accuracy	? Parameter code	Water level, feet below land surface	Water level, feet above specific vertical datum	Referenced vertical datum	? Status	? Method of measurement	? Measuring agency	? Source measu
1959-05-29			D 72019	43.24			1	Z		
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1962-11-19			D 72019	40.94			1	Z		
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1963-01-17			D 72019	39.66			1	Z		
1963-09-03			D 62610		3039.56	NGVD29	1	Z		
1963-09-03			D 62611		3041.18	NAVD88	1	Z		
1963-09-03			D 72019	52.54			1	Z		
1964-01-16			D 62610		3043.67	NGVD29	1	Z		

Date	Time	? Water-level date-time accuracy	? Parameter code	Water level, feet below land surface	Water level, feet above specific vertical datum	Referenced vertical datum	? Status	? Method of measurement	? Measuring agency	? Source measu
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1964-01-16			D72019	48.43			1		Z	
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1965-09-07			D72019	78.92			1		Z	
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1966-01-12			D72019	68.65			1		Z	
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1966-09-22			D72019	71.70			1		Z	
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1995-07-20			D62611		3055.37	NAVD88	1		S	
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2003-01-22			D72019	58.69			1		S	USGS
2013-01-11	21:10 UTC		m62610		3014.28	NGVD29	1		S	USGS
2013-01-11	21:10 UTC		m62611		3015.90	NAVD88	1		S	USGS
2013-01-11	21:10 UTC		m72019	77.82			1		S	USGS

Explanation		
Section	Code	Description
Water-level date-time accuracy	D	Date is accurate to the Day
Water-level date-time accuracy	m	Date is accurate to the Minute
Parameter code	62610	Groundwater level above NGVD 1929, feet
Parameter code	62611	Groundwater level above NAVD 1988, feet
Parameter code	72019	Depth to water level, feet below land surface
Referenced vertical datum	NAVD88	North American Vertical Datum of 1988
Referenced vertical datum	NGVD29	National Geodetic Vertical Datum of 1929
Status	1	Static
Status	P	Pumping
Method of measurement	S	Steel-tape measurement.
Method of measurement	Z	Other.
Measuring agency		Not determined
Measuring agency	USGS	U.S. Geological Survey
Source of measurement		Not determined
Source of measurement	S	Measured by personnel of reporting agency.
Water-level approval status	A	Approved for publication -- Processing and review completed.

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[U.S. Department of the Interior](#) | [U.S. Geological Survey](#)
Title: Groundwater for USA: Water Levels
URL: <https://nwis.waterdata.usgs.gov/nwis/gwlevels?>



Page Contact Information: [USGS Water Data Support Team](#)
Page Last Modified: 2023-11-02 09:44:13 EDT
0.3 0.26 nadww02

IMPORTANT [Inventory Page](#) ⓘ

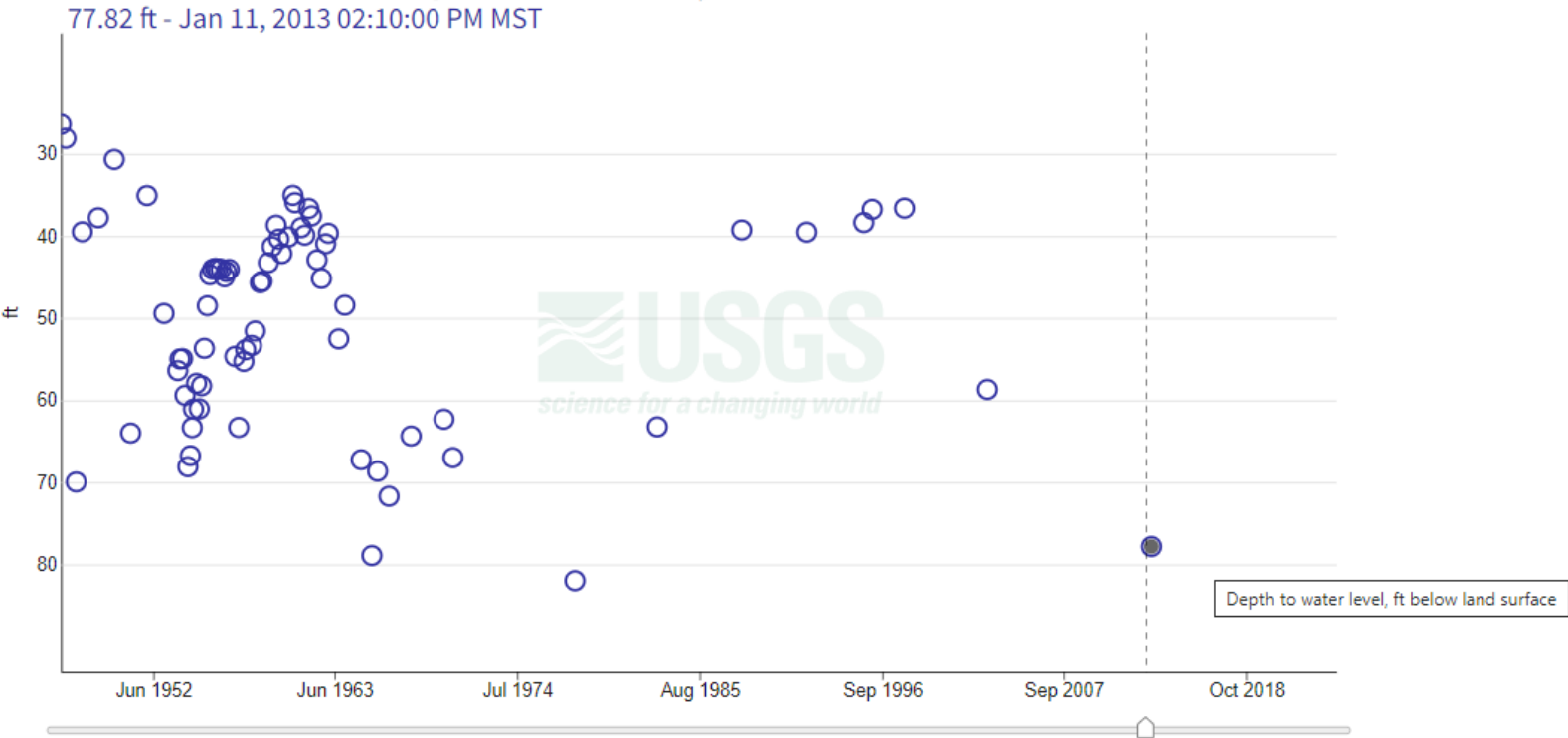


☐ 1 year ☐ 10 years ☒ Period of record

23S.27E.02.122221 - 322033104093501

October 25, 1946 - April 1, 2024

Depth to water level, ft below land surface



IMPORTANT Data may be [provisional](#)

Show legend ▾

	Value	Status	Time
<input checked="" type="radio"/> Selected	77.82 ft	Approved	Jan 11, 2013 02:10:00 PM MST

Questions or Comments



United States
Department of
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NRCS

Natural
Resources
Conservation
Service

A product of the National
Cooperative Soil Survey,
a joint effort of the United
States Department of
Agriculture and other
Federal agencies, State
agencies including the
Agricultural Experiment
Stations, and local
participants

Custom Soil Resource Report for Eddy Area, New Mexico



October 24, 2022

Preface

Soil surveys contain information that affects land use planning in survey areas. They highlight soil limitations that affect various land uses and provide information about the properties of the soils in the survey areas. Soil surveys are designed for many different users, including farmers, ranchers, foresters, agronomists, urban planners, community officials, engineers, developers, builders, and home buyers. Also, conservationists, teachers, students, and specialists in recreation, waste disposal, and pollution control can use the surveys to help them understand, protect, or enhance the environment.

Various land use regulations of Federal, State, and local governments may impose special restrictions on land use or land treatment. Soil surveys identify soil properties that are used in making various land use or land treatment decisions. The information is intended to help the land users identify and reduce the effects of soil limitations on various land uses. The landowner or user is responsible for identifying and complying with existing laws and regulations.

Although soil survey information can be used for general farm, local, and wider area planning, onsite investigation is needed to supplement this information in some cases. Examples include soil quality assessments (<http://www.nrcs.usda.gov/wps/portal/nrcs/main/soils/health/>) and certain conservation and engineering applications. For more detailed information, contact your local USDA Service Center (<https://offices.sc.egov.usda.gov/locator/app?agency=nrcs>) or your NRCS State Soil Scientist (http://www.nrcs.usda.gov/wps/portal/nrcs/detail/soils/contactus/?cid=nrcs142p2_053951).

Great differences in soil properties can occur within short distances. Some soils are seasonally wet or subject to flooding. Some are too unstable to be used as a foundation for buildings or roads. Clayey or wet soils are poorly suited to use as septic tank absorption fields. A high water table makes a soil poorly suited to basements or underground installations.

The National Cooperative Soil Survey is a joint effort of the United States Department of Agriculture and other Federal agencies, State agencies including the Agricultural Experiment Stations, and local agencies. The Natural Resources Conservation Service (NRCS) has leadership for the Federal part of the National Cooperative Soil Survey.

Information about soils is updated periodically. Updated information is available through the NRCS Web Soil Survey, the site for official soil survey information.

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How Soil Surveys Are Made

Soil surveys are made to provide information about the soils and miscellaneous areas in a specific area. They include a description of the soils and miscellaneous areas and their location on the landscape and tables that show soil properties and limitations affecting various uses. Soil scientists observed the steepness, length, and shape of the slopes; the general pattern of drainage; the kinds of crops and native plants; and the kinds of bedrock. They observed and described many soil profiles. A soil profile is the sequence of natural layers, or horizons, in a soil. The profile extends from the surface down into the unconsolidated material in which the soil formed or from the surface down to bedrock. The unconsolidated material is devoid of roots and other living organisms and has not been changed by other biological activity.

Currently, soils are mapped according to the boundaries of major land resource areas (MLRAs). MLRAs are geographically associated land resource units that share common characteristics related to physiography, geology, climate, water resources, soils, biological resources, and land uses (USDA, 2006). Soil survey areas typically consist of parts of one or more MLRA.

The soils and miscellaneous areas in a survey area occur in an orderly pattern that is related to the geology, landforms, relief, climate, and natural vegetation of the area. Each kind of soil and miscellaneous area is associated with a particular kind of landform or with a segment of the landform. By observing the soils and miscellaneous areas in the survey area and relating their position to specific segments of the landform, a soil scientist develops a concept, or model, of how they were formed. Thus, during mapping, this model enables the soil scientist to predict with a considerable degree of accuracy the kind of soil or miscellaneous area at a specific location on the landscape.

Commonly, individual soils on the landscape merge into one another as their characteristics gradually change. To construct an accurate soil map, however, soil scientists must determine the boundaries between the soils. They can observe only a limited number of soil profiles. Nevertheless, these observations, supplemented by an understanding of the soil-vegetation-landscape relationship, are sufficient to verify predictions of the kinds of soil in an area and to determine the boundaries.

Soil scientists recorded the characteristics of the soil profiles that they studied. They noted soil color, texture, size and shape of soil aggregates, kind and amount of rock fragments, distribution of plant roots, reaction, and other features that enable them to identify soils. After describing the soils in the survey area and determining their properties, the soil scientists assigned the soils to taxonomic classes (units). Taxonomic classes are concepts. Each taxonomic class has a set of soil characteristics with precisely defined limits. The classes are used as a basis for comparison to classify soils systematically. Soil taxonomy, the system of taxonomic classification used in the United States, is based mainly on the kind and character of soil properties and the arrangement of horizons within the profile. After the soil

Custom Soil Resource Report

scientists classified and named the soils in the survey area, they compared the individual soils with similar soils in the same taxonomic class in other areas so that they could confirm data and assemble additional data based on experience and research.

The objective of soil mapping is not to delineate pure map unit components; the objective is to separate the landscape into landforms or landform segments that have similar use and management requirements. Each map unit is defined by a unique combination of soil components and/or miscellaneous areas in predictable proportions. Some components may be highly contrasting to the other components of the map unit. The presence of minor components in a map unit in no way diminishes the usefulness or accuracy of the data. The delineation of such landforms and landform segments on the map provides sufficient information for the development of resource plans. If intensive use of small areas is planned, onsite investigation is needed to define and locate the soils and miscellaneous areas.

Soil scientists make many field observations in the process of producing a soil map. The frequency of observation is dependent upon several factors, including scale of mapping, intensity of mapping, design of map units, complexity of the landscape, and experience of the soil scientist. Observations are made to test and refine the soil-landscape model and predictions and to verify the classification of the soils at specific locations. Once the soil-landscape model is refined, a significantly smaller number of measurements of individual soil properties are made and recorded. These measurements may include field measurements, such as those for color, depth to bedrock, and texture, and laboratory measurements, such as those for content of sand, silt, clay, salt, and other components. Properties of each soil typically vary from one point to another across the landscape.

Observations for map unit components are aggregated to develop ranges of characteristics for the components. The aggregated values are presented. Direct measurements do not exist for every property presented for every map unit component. Values for some properties are estimated from combinations of other properties.

While a soil survey is in progress, samples of some of the soils in the area generally are collected for laboratory analyses and for engineering tests. Soil scientists interpret the data from these analyses and tests as well as the field-observed characteristics and the soil properties to determine the expected behavior of the soils under different uses. Interpretations for all of the soils are field tested through observation of the soils in different uses and under different levels of management. Some interpretations are modified to fit local conditions, and some new interpretations are developed to meet local needs. Data are assembled from other sources, such as research information, production records, and field experience of specialists. For example, data on crop yields under defined levels of management are assembled from farm records and from field or plot experiments on the same kinds of soil.

Predictions about soil behavior are based not only on soil properties but also on such variables as climate and biological activity. Soil conditions are predictable over long periods of time, but they are not predictable from year to year. For example, soil scientists can predict with a fairly high degree of accuracy that a given soil will have a high water table within certain depths in most years, but they cannot predict that a high water table will always be at a specific level in the soil on a specific date.

After soil scientists located and identified the significant natural bodies of soil in the survey area, they drew the boundaries of these bodies on aerial photographs and

Custom Soil Resource Report

identified each as a specific map unit. Aerial photographs show trees, buildings, fields, roads, and rivers, all of which help in locating boundaries accurately.

Soil Map

The soil map section includes the soil map for the defined area of interest, a list of soil map units on the map and extent of each map unit, and cartographic symbols displayed on the map. Also presented are various metadata about data used to produce the map, and a description of each soil map unit.


Custom Soil Resource Report Soil Map



Custom Soil Resource Report

MAP LEGEND

Area of Interest (AOI)

 Area of Interest (AOI)


Soils


 Soil Map Unit Polygons


 Soil Map Unit Lines


 Soil Map Unit Points

Special Point Features

 Blowout

 Borrow Pit

 Clay Spot

 Closed Depression

 Gravel Pit

 Gravelly Spot

 Landfill

 Lava Flow

 Marsh or swamp

 Mine or Quarry

 Miscellaneous Water


 Perennial Water

 Rock Outcrop


 Saline Spot

 Sandy Spot

 Severely Eroded Spot


 Sinkhole

 Slide or Slip


 Sodic Spot

 Spoil Area

 Stony Spot


 Very Stony Spot

 Wet Spot

 Other

 Special Line Features

Water Features

 Streams and Canals

Transportation

 Rails


 Interstate Highways

 US Routes

 Major Roads

 Local Roads

Background

 Aerial Photography

MAP INFORMATION

The soil surveys that comprise your AOI were mapped at 1:20,000.

Warning: Soil Map may not be valid at this scale.

Enlargement of maps beyond the scale of mapping can cause misunderstanding of the detail of mapping and accuracy of soil line placement. The maps do not show the small areas of contrasting soils that could have been shown at a more detailed scale.

Please rely on the bar scale on each map sheet for map measurements.

Source of Map: Natural Resources Conservation Service
Web Soil Survey URL:
Coordinate System: Web Mercator (EPSG:3857)

Maps from the Web Soil Survey are based on the Web Mercator projection, which preserves direction and shape but distorts distance and area. A projection that preserves area, such as the Albers equal-area conic projection, should be used if more accurate calculations of distance or area are required.

This product is generated from the USDA-NRCS certified data as of the version date(s) listed below.

Soil Survey Area: Eddy Area, New Mexico
Survey Area Data: Version 18, Sep 8, 2022

Soil map units are labeled (as space allows) for map scales 1:50,000 or larger.

Date(s) aerial images were photographed: Feb 27, 2020—Feb 28, 2020

The orthophoto or other base map on which the soil lines were compiled and digitized probably differs from the background imagery displayed on these maps. As a result, some minor shifting of map unit boundaries may be evident.

Custom Soil Resource Report

Map Unit Legend

Map Unit Symbol	Map Unit Name	Acres in AOI	Percent of AOI
Rc	Reagan loam, 0 to 1 percent slopes	1.6	13.2%
Uo	Upton gravelly loam, 0 to 9 percent slopes	2.4	19.9%
Up	Upton soils, 0 to 1 percent slopes	8.2	67.0%
Totals for Area of Interest		12.3	100.0%

Map Unit Descriptions

The map units delineated on the detailed soil maps in a soil survey represent the soils or miscellaneous areas in the survey area. The map unit descriptions, along with the maps, can be used to determine the composition and properties of a unit.

A map unit delineation on a soil map represents an area dominated by one or more major kinds of soil or miscellaneous areas. A map unit is identified and named according to the taxonomic classification of the dominant soils. Within a taxonomic class there are precisely defined limits for the properties of the soils. On the landscape, however, the soils are natural phenomena, and they have the characteristic variability of all natural phenomena. Thus, the range of some observed properties may extend beyond the limits defined for a taxonomic class. Areas of soils of a single taxonomic class rarely, if ever, can be mapped without including areas of other taxonomic classes. Consequently, every map unit is made up of the soils or miscellaneous areas for which it is named and some minor components that belong to taxonomic classes other than those of the major soils.

Most minor soils have properties similar to those of the dominant soil or soils in the map unit, and thus they do not affect use and management. These are called noncontrasting, or similar, components. They may or may not be mentioned in a particular map unit description. Other minor components, however, have properties and behavioral characteristics divergent enough to affect use or to require different management. These are called contrasting, or dissimilar, components. They generally are in small areas and could not be mapped separately because of the scale used. Some small areas of strongly contrasting soils or miscellaneous areas are identified by a special symbol on the maps. If included in the database for a given area, the contrasting minor components are identified in the map unit descriptions along with some characteristics of each. A few areas of minor components may not have been observed, and consequently they are not mentioned in the descriptions, especially where the pattern was so complex that it was impractical to make enough observations to identify all the soils and miscellaneous areas on the landscape.

The presence of minor components in a map unit in no way diminishes the usefulness or accuracy of the data. The objective of mapping is not to delineate pure taxonomic classes but rather to separate the landscape into landforms or

Custom Soil Resource Report

landform segments that have similar use and management requirements. The delineation of such segments on the map provides sufficient information for the development of resource plans. If intensive use of small areas is planned, however, onsite investigation is needed to define and locate the soils and miscellaneous areas.

An identifying symbol precedes the map unit name in the map unit descriptions. Each description includes general facts about the unit and gives important soil properties and qualities.

Soils that have profiles that are almost alike make up a *soil series*. Except for differences in texture of the surface layer, all the soils of a series have major horizons that are similar in composition, thickness, and arrangement.

Soils of one series can differ in texture of the surface layer, slope, stoniness, salinity, degree of erosion, and other characteristics that affect their use. On the basis of such differences, a soil series is divided into *soil phases*. Most of the areas shown on the detailed soil maps are phases of soil series. The name of a soil phase commonly indicates a feature that affects use or management. For example, Alpha silt loam, 0 to 2 percent slopes, is a phase of the Alpha series.

Some map units are made up of two or more major soils or miscellaneous areas. These map units are complexes, associations, or undifferentiated groups.

A *complex* consists of two or more soils or miscellaneous areas in such an intricate pattern or in such small areas that they cannot be shown separately on the maps. The pattern and proportion of the soils or miscellaneous areas are somewhat similar in all areas. Alpha-Beta complex, 0 to 6 percent slopes, is an example.

An *association* is made up of two or more geographically associated soils or miscellaneous areas that are shown as one unit on the maps. Because of present or anticipated uses of the map units in the survey area, it was not considered practical or necessary to map the soils or miscellaneous areas separately. The pattern and relative proportion of the soils or miscellaneous areas are somewhat similar. Alpha-Beta association, 0 to 2 percent slopes, is an example.

An *undifferentiated group* is made up of two or more soils or miscellaneous areas that could be mapped individually but are mapped as one unit because similar interpretations can be made for use and management. The pattern and proportion of the soils or miscellaneous areas in a mapped area are not uniform. An area can be made up of only one of the major soils or miscellaneous areas, or it can be made up of all of them. Alpha and Beta soils, 0 to 2 percent slopes, is an example.

Some surveys include *miscellaneous areas*. Such areas have little or no soil material and support little or no vegetation. Rock outcrop is an example.

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Eddy Area, New Mexico**Rc—Reagan loam, 0 to 1 percent slopes****Map Unit Setting***National map unit symbol: 1w5l**Elevation: 1,100 to 5,300 feet**Mean annual precipitation: 7 to 15 inches**Mean annual air temperature: 57 to 70 degrees F**Frost-free period: 200 to 240 days**Farmland classification: Farmland of statewide importance***Map Unit Composition***Reagan and similar soils: 97 percent**Minor components: 3 percent**Estimates are based on observations, descriptions, and transects of the mapunit.***Description of Reagan****Setting***Landform: Fan remnants, alluvial fans**Landform position (three-dimensional): Rise**Down-slope shape: Convex, linear**Across-slope shape: Linear**Parent material: Alluvium and/or eolian deposits***Typical profile***H1 - 0 to 8 inches: loam**H2 - 8 to 82 inches: loam***Properties and qualities***Slope: 0 to 1 percent**Depth to restrictive feature: More than 80 inches**Drainage class: Well drained**Runoff class: Low**Capacity of the most limiting layer to transmit water (Ksat): Moderately high to high
(0.60 to 2.00 in/hr)**Depth to water table: More than 80 inches**Frequency of flooding: None**Frequency of ponding: None**Calcium carbonate, maximum content: 40 percent**Maximum salinity: Very slightly saline to moderately saline (2.0 to 8.0 mmhos/cm)**Sodium adsorption ratio, maximum: 1.0**Available water supply, 0 to 60 inches: Moderate (about 8.2 inches)***Interpretive groups***Land capability classification (irrigated): 2e**Land capability classification (nonirrigated): 6c**Hydrologic Soil Group: B**Ecological site: R070BC007NM - Loamy**Hydric soil rating: No***Minor Components****Reagan***Percent of map unit: 1 percent*

Custom Soil Resource Report

Ecological site: R070BC007NM - Loamy

Hydric soil rating: No

Upton

Percent of map unit: 1 percent

Ecological site: R070BC025NM - Shallow

Hydric soil rating: No

Reeves

Percent of map unit: 1 percent

Ecological site: R070BC007NM - Loamy

Hydric soil rating: No

Uo—Upton gravelly loam, 0 to 9 percent slopes**Map Unit Setting**

National map unit symbol: 1w67

Elevation: 1,100 to 4,400 feet

Mean annual precipitation: 7 to 15 inches

Mean annual air temperature: 60 to 70 degrees F

Frost-free period: 200 to 240 days

Farmland classification: Not prime farmland

Map Unit Composition

Upton and similar soils: 96 percent

Minor components: 4 percent

Estimates are based on observations, descriptions, and transects of the mapunit.

Description of Upton**Setting**

Landform: Ridges, fans

Landform position (three-dimensional): Side slope, rise

Down-slope shape: Convex

Across-slope shape: Convex

Parent material: Residuum weathered from limestone

Typical profile

H1 - 0 to 9 inches: gravelly loam

H2 - 9 to 13 inches: gravelly loam

H3 - 13 to 21 inches: cemented

H4 - 21 to 60 inches: very gravelly loam

Properties and qualities

Slope: 0 to 9 percent

Depth to restrictive feature: 7 to 20 inches to petrocalcic

Drainage class: Well drained

Runoff class: High

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

Custom Soil Resource Report

Frequency of flooding: None
Frequency of ponding: None
Calcium carbonate, maximum content: 75 percent
Maximum salinity: Nonsaline to very slightly saline (0.0 to 2.0 mmhos/cm)
Sodium adsorption ratio, maximum: 1.0
Available water supply, 0 to 60 inches: Very low (about 1.4 inches)

Interpretive groups

Land capability classification (irrigated): None specified
Land capability classification (nonirrigated): 7s
Hydrologic Soil Group: D
Ecological site: R070BC025NM - Shallow
Hydric soil rating: No

Minor Components**Atoka**

Percent of map unit: 1 percent
Ecological site: R070BC007NM - Loamy
Hydric soil rating: No

Atoka

Percent of map unit: 1 percent
Ecological site: R070BC007NM - Loamy
Hydric soil rating: No

Upton

Percent of map unit: 1 percent
Ecological site: R070BC025NM - Shallow
Hydric soil rating: No

Reagan

Percent of map unit: 1 percent
Ecological site: R070BC007NM - Loamy
Hydric soil rating: No

Up—Upton soils, 0 to 1 percent slopes**Map Unit Setting**

National map unit symbol: 1w68
Elevation: 1,100 to 4,400 feet
Mean annual precipitation: 7 to 14 inches
Mean annual air temperature: 60 to 70 degrees F
Frost-free period: 200 to 240 days
Farmland classification: Not prime farmland

Map Unit Composition

Upton and similar soils: 98 percent
Minor components: 2 percent
Estimates are based on observations, descriptions, and transects of the mapunit.

Custom Soil Resource Report

Description of Upton**Setting**

Landform: Ridges, fans

Landform position (three-dimensional): Side slope, rise

Down-slope shape: Convex

Across-slope shape: Convex

Parent material: Residuum weathered from limestone

Typical profile

H1 - 0 to 8 inches: gravelly loam

H2 - 8 to 18 inches: gravelly loam

H3 - 18 to 40 inches: cemented

H4 - 40 to 60 inches: very gravelly loam

Properties and qualities

Slope: 0 to 1 percent

Depth to restrictive feature: 7 to 20 inches to petrocalcic

Drainage class: Well drained

Runoff class: High

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

Maximum salinity: Nonsaline to very slightly saline (0.0 to 2.0 mmhos/cm)

Sodium adsorption ratio, maximum: 1.0

Available water supply, 0 to 60 inches: Very low (about 1.9 inches)

Interpretive groups

Land capability classification (irrigated): 4s

Land capability classification (nonirrigated): 7s

Hydrologic Soil Group: D

Ecological site: R070BC025NM - Shallow

Hydric soil rating: No

Minor Components**Upton**

Percent of map unit: 1 percent

Ecological site: R070BC025NM - Shallow

Hydric soil rating: No

Atoka

Percent of map unit: 1 percent

Ecological site: R070BC007NM - Loamy

Hydric soil rating: No

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- United States Department of Agriculture, Natural Resources Conservation Service. National range and pasture handbook. <http://www.nrcs.usda.gov/wps/portal/nrcs/detail/national/landuse/rangepasture/?cid=stelprdb1043084>

Custom Soil Resource Report

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National Flood Hazard Layer FIRMette



104°9'38"W 32°20'55"N



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		20.2 Cross Sections with 1% Annual Chance Water Surface Elevation
		17.5
		Coastal Transect
		Base Flood Elevation Line (BFE)
		Limit of Study
		Jurisdiction Boundary
		Coastal Transect Baseline
		Profile Baseline
MAP PANELS		Digital Data Available
		No Digital Data Available
		Unmapped



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

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

The flood hazard information is derived directly from the authoritative NFHL web services provided by FEMA. This map was exported on 10/24/2022 at 11:55 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.



APPENDIX IV

Photographic Documentation

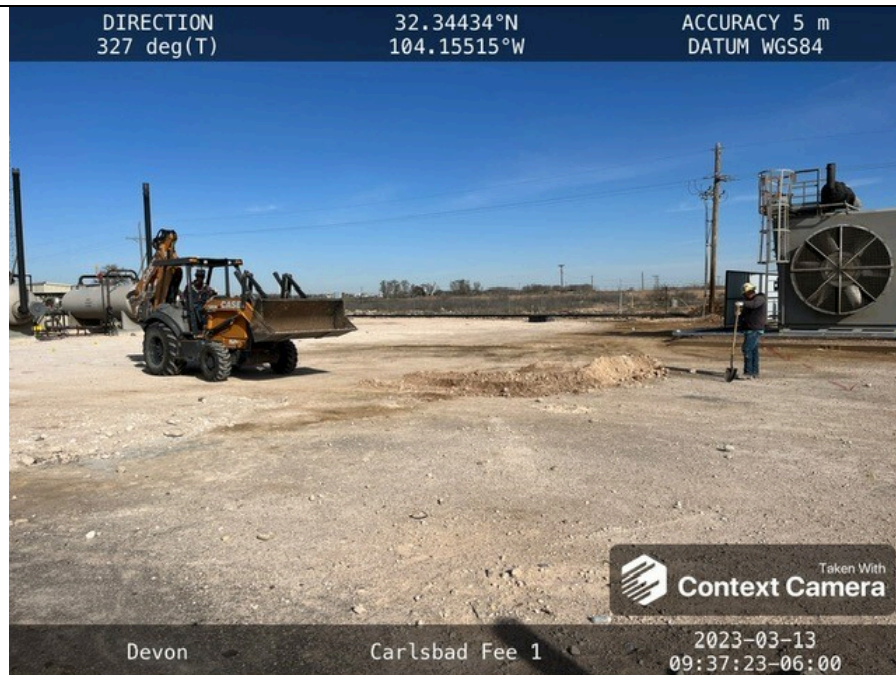


Carlsbad Fee #1
Eddy County, New Mexico



Photograph No. 1
Description:

View of TT-1

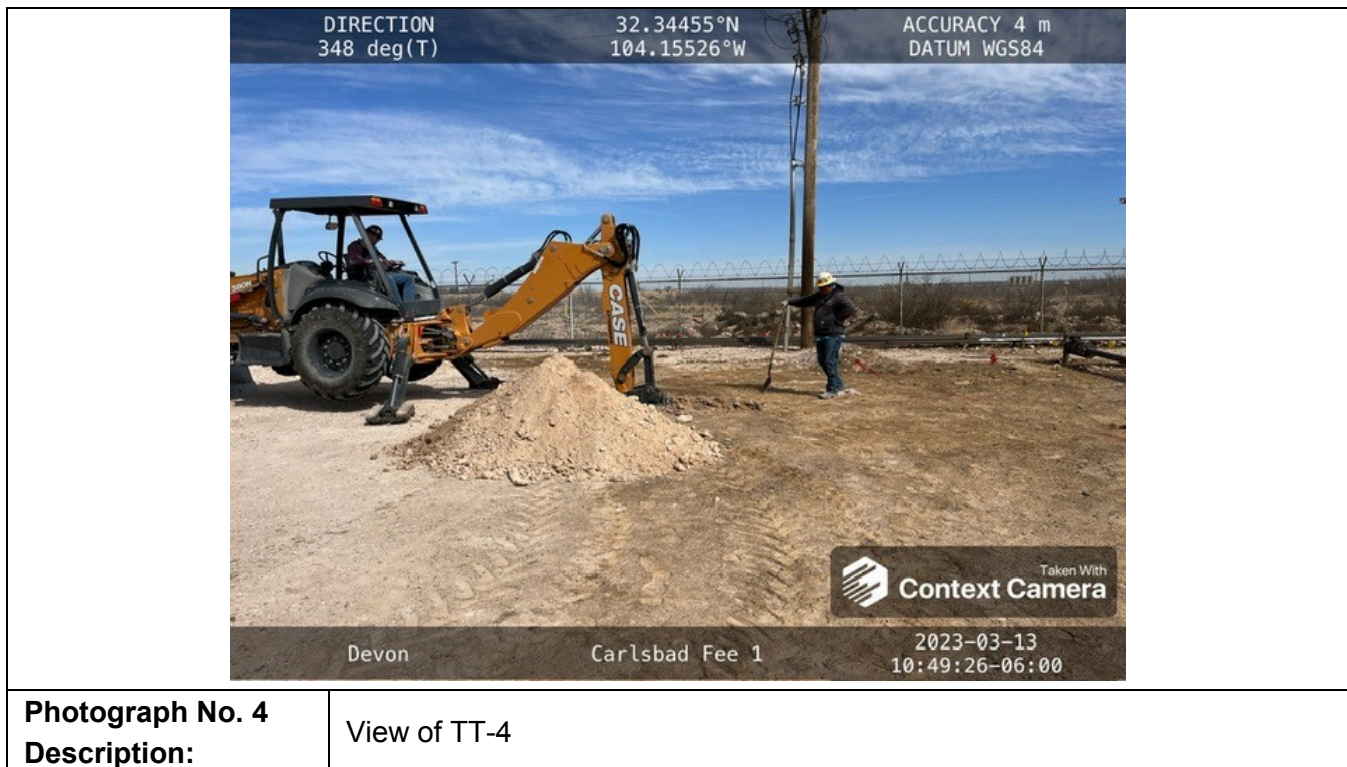
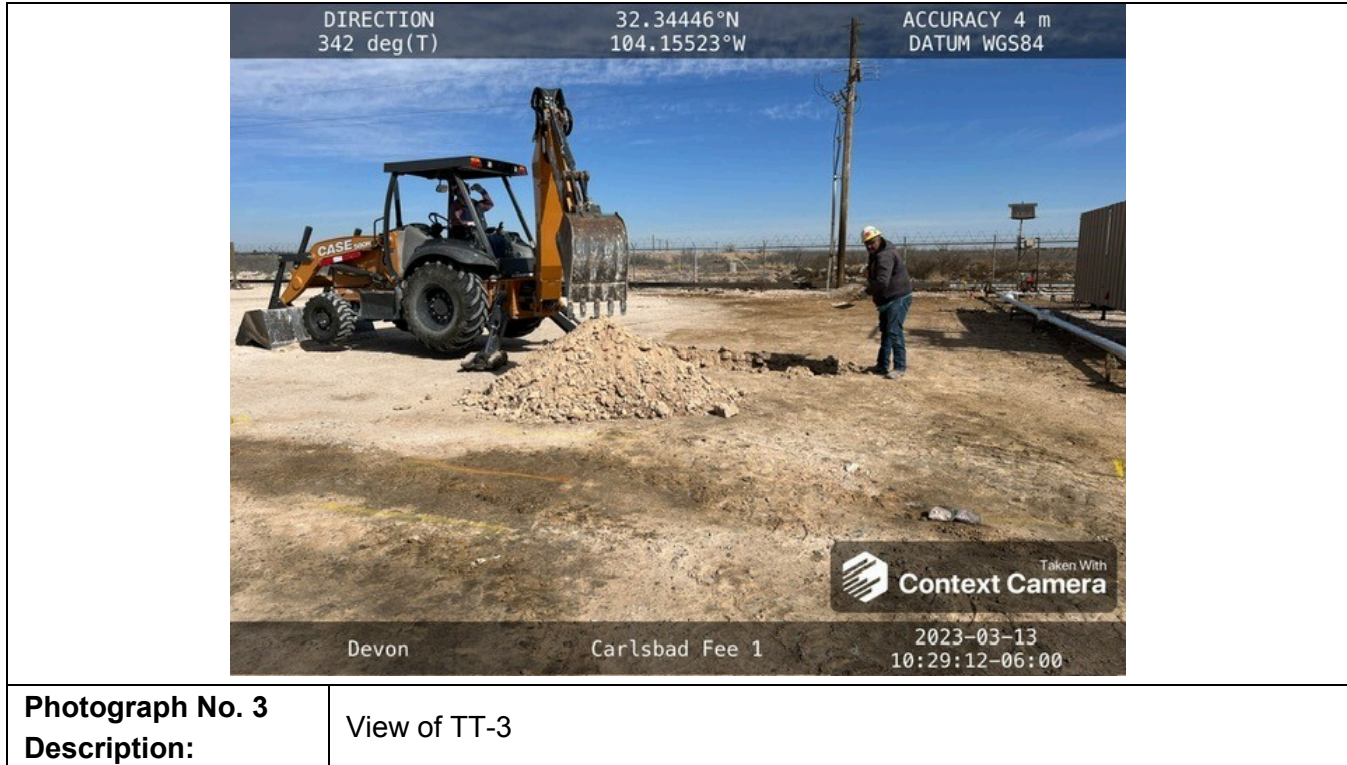


Photograph No. 2
Description:

View of TT-2

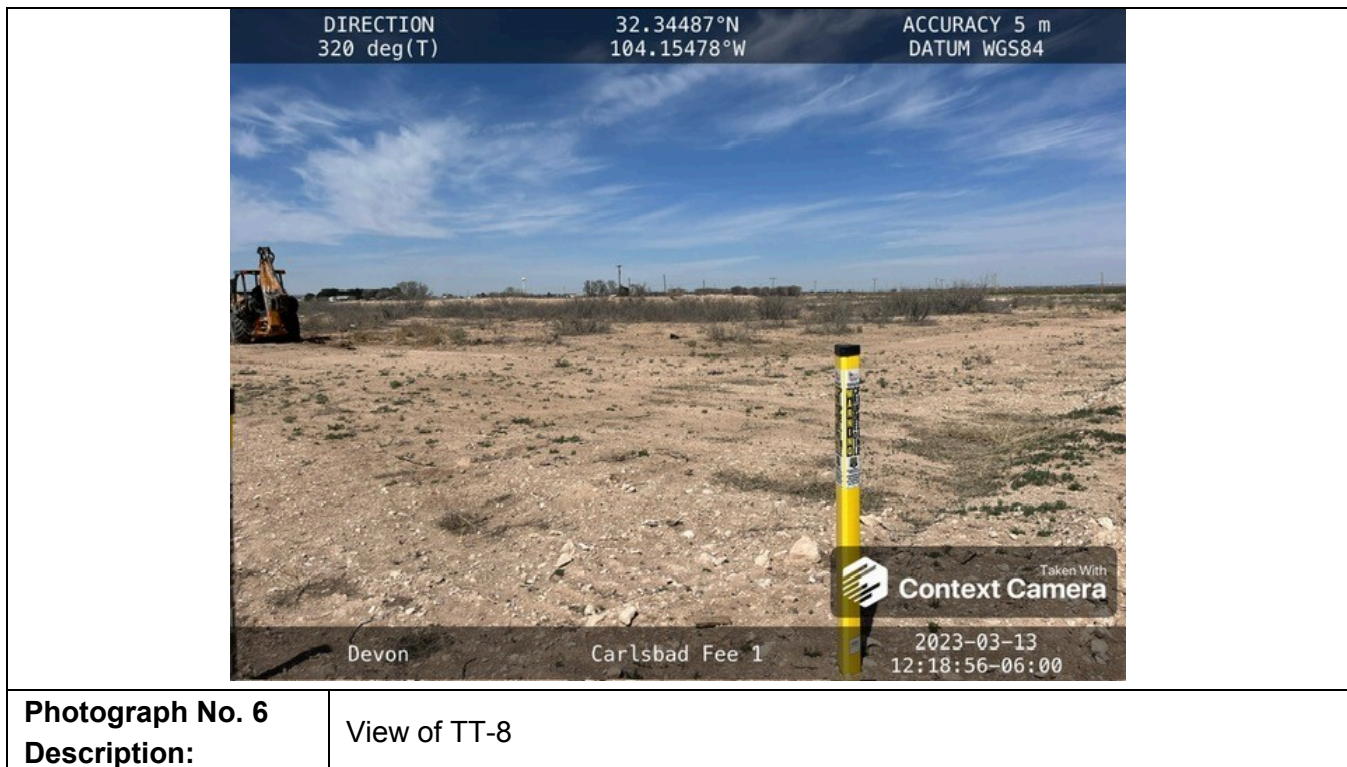


Carlsbad Fee #1
Eddy County, New Mexico





Carlsbad Fee #1
Eddy County, New Mexico





Carlsbad Fee #1
Eddy County, New Mexico





APPENDIX V

Laboratory Analytical Data



Environment Testing

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ANALYTICAL REPORT

PREPARED FOR

Attn: Kayla Taylor

Talon/LPE

408 W. Texas St.

Artesia, New Mexico 88210

Generated 4/6/2023 12:04:01 PM Revision 1

JOB DESCRIPTION

Devon Carlsbad Fee #1

SDG NUMBER Eddy Co. NM

JOB NUMBER

880-25879-1


Eurofins Midland
1211 W. Florida Ave
Midland TX 79701

Eurofins Midland

Job Notes

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

Authorization



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

Generated
4/6/2023 12:04:01 PM
Revision 1

Client: Talon/LPE
Project/Site: Devon Carlsbad Fee #1

Laboratory Job ID: 880-25879-1
SDG: Eddy Co. NM

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Definitions/Glossary

Client: Talon/LPE
Project/Site: Devon Carlsbad Fee #1

Job ID: 880-25879-1
SDG: Eddy Co. NM

Qualifiers

GC VOA

Qualifier	Qualifier Description
*-	LCS and/or LCSD is outside acceptance limits, low biased.
*1	LCS/LCSD RPD exceeds control limits.
F1	MS and/or MSD recovery exceeds control limits.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
S1-	Surrogate recovery exceeds control limits, low biased.
S1+	Surrogate recovery exceeds control limits, high biased.
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.
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.

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)

Eurofins Midland

Definitions/Glossary

Client: Talon/LPE
Project/Site: Devon Carlsbad Fee #1

Job ID: 880-25879-1
SDG: Eddy Co. NM

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

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Case Narrative

Client: Talon/LPE
Project/Site: Devon Carlsbad Fee #1

Job ID: 880-25879-1
SDG: Eddy Co. NM

Job ID: 880-25879-1**Laboratory: Eurofins Midland****Narrative****Job Narrative
880-25879-1**REVISION

The report being provided is a revision of the original report sent on 3/31/2023. The report (revision 1) is being revised due to Per client email, needing deeper chlorides.

Report revision history

Receipt

The samples were received on 3/14/2023 9:48 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 0.1°C

Receipt Exceptions

The following samples were received and analyzed from an unpreserved bulk soil jar: TT-1 1' (880-25879-1), TT-1 2' (880-25879-2), TT-1 4' (880-25879-3), TT-1 6' (880-25879-4), TT-1 8' (880-25879-5), TT-1 10' (880-25879-6), TT-2 1' (880-25879-7), TT-2 2' (880-25879-8), TT-2 4' (880-25879-9), TT-2 6' (880-25879-10), TT-3 1' (880-25879-11), TT-3 2' (880-25879-12), TT-3 4' (880-25879-13), TT-3 6' (880-25879-14), TT-3 8' (880-25879-15), TT-4 1' (880-25879-16), TT-4 2' (880-25879-17), TT-4 4' (880-25879-18), TT-4 6' (880-25879-19), TT-4 8' (880-25879-20), TT-5 1' (880-25879-21), TT-5 2' (880-25879-22), TT-5 4' (880-25879-23), TT-5 6' (880-25879-24), TT-6 1' (880-25879-25), TT-6 2' (880-25879-26), TT-6 4' (880-25879-27), TT-6 6' (880-25879-28), TT-7 1' (880-25879-29), TT-7 2' (880-25879-30), TT-7 4' (880-25879-31), TT-7 6' (880-25879-32), TT-8 1' (880-25879-33), TT-8 2' (880-25879-34), TT-8 4' (880-25879-35) and TT-8 6' (880-25879-36).

GC VOA

Method 8021B: Surrogate recovery for the following samples were outside control limits: TT-1 1' (880-25879-1), TT-1 2' (880-25879-2), TT-1 4' (880-25879-3), TT-1 6' (880-25879-4), TT-1 8' (880-25879-5), TT-1 10' (880-25879-6), TT-2 1' (880-25879-7), TT-2 2' (880-25879-8), TT-2 4' (880-25879-9), TT-2 6' (880-25879-10), TT-3 1' (880-25879-11), TT-3 2' (880-25879-12), TT-3 4' (880-25879-13), TT-3 6' (880-25879-14), TT-3 8' (880-25879-15), TT-4 1' (880-25879-16), TT-4 2' (880-25879-17), TT-4 4' (880-25879-18), TT-4 6' (880-25879-19), TT-4 8' (880-25879-20), (LCS 880-49330/1-A), (LCSD 880-49330/2-A), (880-25879-A-1-C MS) and (880-25879-A-1-D MSD). 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: (LCS 880-48866/2-A) and (LCSD 880-48866/3-A). Evidence of matrix interferences is not obvious.

Method 8015MOD_NM: Surrogate recovery for the following sample was outside control limits: (890-4371-A-1-A). 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) precision for preparation batch 880-49652 and analytical batch 880-49691 was outside control limits. Sample non-homogeneity is suspected.

Method 8015MOD_NM: The method blank for preparation batch 880-49652 and analytical batch 880-49691 contained Gasoline Range Organics (GRO)-C6-C10 above the method detection limit. This target analyte concentration was less than the reporting limit (RL); therefore, re-extraction and/or re-analysis of samples was not performed.

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.

Case Narrative

Client: Talon/LPE
Project/Site: Devon Carlsbad Fee #1

Job ID: 880-25879-1
SDG: Eddy Co. NM

Job ID: 880-25879-1 (Continued)

Laboratory: Eurofins Midland (Continued)

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Client Sample Results

Client: Talon/LPE
Project/Site: Devon Carlsbad Fee #1

Job ID: 880-25879-1
SDG: Eddy Co. NM

Client Sample ID: TT-1 1'

Lab Sample ID: 880-25879-1

Date Collected: 03/13/23 08:30

Matrix: Solid

Date Received: 03/14/23 09:48

Sample Depth: 1'

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.000388	U F1	0.00202	0.000388	mg/Kg	-	03/23/23 13:22	03/25/23 03:10	1
Toluene	<0.000460	U	0.00202	0.000460	mg/Kg	-	03/23/23 13:22	03/25/23 03:10	1
Ethylbenzene	<0.000570	U	0.00202	0.000570	mg/Kg	-	03/23/23 13:22	03/25/23 03:10	1
m-Xylene & p-Xylene	<0.00102	U *- *1	0.00403	0.00102	mg/Kg	-	03/23/23 13:22	03/25/23 03:10	1
o-Xylene	<0.000347	U	0.00202	0.000347	mg/Kg	-	03/23/23 13:22	03/25/23 03:10	1
Xylenes, Total	<0.00102	U *- *1	0.00403	0.00102	mg/Kg	-	03/23/23 13:22	03/25/23 03:10	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	170	S1+	70 - 130	03/23/23 13:22	03/25/23 03:10	1
1,4-Difluorobenzene (Surr)	75		70 - 130	03/23/23 13:22	03/25/23 03:10	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	-		03/27/23 10:35	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	78.4		50.0	15.0	mg/Kg	-		03/20/23 18:04	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	45.7	J	50.0	15.0	mg/Kg	-	03/17/23 14:39	03/18/23 12:57	1
Diesel Range Organics (Over C10-C28)	32.7	J	50.0	15.0	mg/Kg	-	03/17/23 14:39	03/18/23 12:57	1
Oil Range Organics (Over C28-C36)	<15.0	U	50.0	15.0	mg/Kg	-	03/17/23 14:39	03/18/23 12:57	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	113		70 - 130	03/17/23 14:39	03/18/23 12:57	1
o-Terphenyl	105		70 - 130	03/17/23 14:39	03/18/23 12:57	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	4900		100	7.90	mg/Kg	-		03/24/23 11:34	20

Client Sample ID: TT-1 2'

Lab Sample ID: 880-25879-2

Date Collected: 03/13/23 08:32

Matrix: Solid

Date Received: 03/14/23 09:48

Sample Depth: 2'

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.000383	U	0.00199	0.000383	mg/Kg	-	03/23/23 13:22	03/25/23 03:37	1
Toluene	<0.000454	U	0.00199	0.000454	mg/Kg	-	03/23/23 13:22	03/25/23 03:37	1
Ethylbenzene	<0.000563	U	0.00199	0.000563	mg/Kg	-	03/23/23 13:22	03/25/23 03:37	1
m-Xylene & p-Xylene	<0.00101	U *- *1	0.00398	0.00101	mg/Kg	-	03/23/23 13:22	03/25/23 03:37	1
o-Xylene	<0.000343	U	0.00199	0.000343	mg/Kg	-	03/23/23 13:22	03/25/23 03:37	1
Xylenes, Total	<0.00101	U *- *1	0.00398	0.00101	mg/Kg	-	03/23/23 13:22	03/25/23 03:37	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	177	S1+	70 - 130	03/23/23 13:22	03/25/23 03:37	1

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Client Sample Results

Client: Talon/LPE
Project/Site: Devon Carlsbad Fee #1

Job ID: 880-25879-1
SDG: Eddy Co. NM

Client Sample ID: TT-1 2'

Date Collected: 03/13/23 08:32

Date Received: 03/14/23 09:48

Sample Depth: 2'

Lab Sample ID: 880-25879-2

Matrix: Solid

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

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,4-Difluorobenzene (Surr)	78		70 - 130	03/23/23 13:22	03/25/23 03:37	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00101	U	0.00398	0.00101	mg/Kg			03/27/23 10:35	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	53.0		49.9	15.0	mg/Kg			03/20/23 18:04	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	23.4	J	49.9	15.0	mg/Kg		03/17/23 14:39	03/18/23 11:52	1
Diesel Range Organics (Over C10-C28)	29.6	J	49.9	15.0	mg/Kg		03/17/23 14:39	03/18/23 11:52	1
Oil Range Organics (Over C28-C36)	<15.0	U	49.9	15.0	mg/Kg		03/17/23 14:39	03/18/23 11:52	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	101		70 - 130	03/17/23 14:39	03/18/23 11:52	1
o-Terphenyl	97		70 - 130	03/17/23 14:39	03/18/23 11:52	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	2760		24.8	1.96	mg/Kg			03/24/23 11:39	5

Client Sample ID: TT-1 4'

Date Collected: 03/13/23 08:35

Date Received: 03/14/23 09:48

Sample Depth: 4'

Lab Sample ID: 880-25879-3

Matrix: Solid

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.000383	U	0.00199	0.000383	mg/Kg		03/23/23 13:22	03/25/23 04:04	1
Toluene	<0.000453	U	0.00199	0.000453	mg/Kg		03/23/23 13:22	03/25/23 04:04	1
Ethylbenzene	<0.000562	U	0.00199	0.000562	mg/Kg		03/23/23 13:22	03/25/23 04:04	1
m-Xylene & p-Xylene	<0.00100	U *- *1	0.00398	0.00100	mg/Kg		03/23/23 13:22	03/25/23 04:04	1
o-Xylene	<0.000342	U	0.00199	0.000342	mg/Kg		03/23/23 13:22	03/25/23 04:04	1
Xylenes, Total	<0.00100	U *- *1	0.00398	0.00100	mg/Kg		03/23/23 13:22	03/25/23 04:04	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	190	S1+	70 - 130	03/23/23 13:22	03/25/23 04:04	1
1,4-Difluorobenzene (Surr)	80		70 - 130	03/23/23 13:22	03/25/23 04:04	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			03/27/23 10:35	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	278		49.8	14.9	mg/Kg			03/20/23 18:04	1

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Client Sample Results

Client: Talon/LPE
Project/Site: Devon Carlsbad Fee #1

Job ID: 880-25879-1
SDG: Eddy Co. NM

Client Sample ID: TT-1 4'

Lab Sample ID: 880-25879-3

Date Collected: 03/13/23 08:35

Matrix: Solid

Date Received: 03/14/23 09:48

Sample Depth: 4'

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<14.9	U	49.8	14.9	mg/Kg		03/17/23 14:39	03/18/23 13:20	1
Diesel Range Organics (Over C10-C28)	278		49.8	14.9	mg/Kg		03/17/23 14:39	03/18/23 13:20	1
Oil Range Organics (Over C28-C36)	<14.9	U	49.8	14.9	mg/Kg		03/17/23 14:39	03/18/23 13:20	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	92		70 - 130				03/17/23 14:39	03/18/23 13:20	1
o-Terphenyl	87		70 - 130				03/17/23 14:39	03/18/23 13:20	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	2020		25.1	1.98	mg/Kg			03/24/23 11:44	5

Client Sample ID: TT-1 6'

Lab Sample ID: 880-25879-4

Date Collected: 03/13/23 08:38

Matrix: Solid

Date Received: 03/14/23 09:48

Sample Depth: 6'

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	43.3	J	49.9	15.0	mg/Kg			03/29/23 12:10	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	24.4	J B	49.9	15.0	mg/Kg		03/27/23 14:32	03/29/23 02:44	1
Diesel Range Organics (Over C10-C28)	18.9	J	49.9	15.0	mg/Kg		03/27/23 14:32	03/29/23 02:44	1
Oil Range Organics (Over C28-C36)	<15.0	U	49.9	15.0	mg/Kg		03/27/23 14:32	03/29/23 02:44	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	94		70 - 130				03/27/23 14:32	03/29/23 02:44	1
o-Terphenyl	92		70 - 130				03/27/23 14:32	03/29/23 02:44	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	2080		25.0	1.98	mg/Kg			04/05/23 14:33	5

Client Sample ID: TT-1 8'

Lab Sample ID: 880-25879-5

Date Collected: 03/13/23 08:40

Matrix: Solid

Date Received: 03/14/23 09:48

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	64.3		50.0	15.0	mg/Kg			03/29/23 12:10	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	46.7	J B	50.0	15.0	mg/Kg		03/27/23 14:32	03/29/23 03:28	1

Eurofins Midland

Client Sample Results

Client: Talon/LPE
Project/Site: Devon Carlsbad Fee #1

Job ID: 880-25879-1
SDG: Eddy Co. NM

Client Sample ID: TT-1 8'

Date Collected: 03/13/23 08:40

Date Received: 03/14/23 09:48

Sample Depth: 8

Lab Sample ID: 880-25879-5

Matrix: Solid

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics (Over C10-C28)	17.6	J	50.0	15.0	mg/Kg	-	03/27/23 14:32	03/29/23 03:28	1
Oil Range Organics (Over C28-C36)	<15.0	U	50.0	15.0	mg/Kg	-	03/27/23 14:32	03/29/23 03:28	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	106		70 - 130				03/27/23 14:32	03/29/23 03:28	1
o-Terphenyl	105		70 - 130				03/27/23 14:32	03/29/23 03:28	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	1540		25.0	1.98	mg/Kg	-		04/05/23 14:38	5

Client Sample ID: TT-1 10'

Date Collected: 03/13/23 08:45

Date Received: 03/14/23 09:48

Sample Depth: 10

Lab Sample ID: 880-25879-6

Matrix: Solid

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	1180		25.3	1.99	mg/Kg	-		04/05/23 14:42	5

Client Sample ID: TT-2 1'

Date Collected: 03/13/23 08:55

Date Received: 03/14/23 09:48

Sample Depth: 1

Lab Sample ID: 880-25879-7

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	-	03/23/23 13:22	03/25/23 05:52	1
Toluene	<0.000451	U	0.00198	0.000451	mg/Kg	-	03/23/23 13:22	03/25/23 05:52	1
Ethylbenzene	<0.000559	U	0.00198	0.000559	mg/Kg	-	03/23/23 13:22	03/25/23 05:52	1
m-Xylene & p-Xylene	<0.00100	U * - *1	0.00396	0.00100	mg/Kg	-	03/23/23 13:22	03/25/23 05:52	1
o-Xylene	<0.000341	U	0.00198	0.000341	mg/Kg	-	03/23/23 13:22	03/25/23 05:52	1
Xylenes, Total	<0.00100	U * - *1	0.00396	0.00100	mg/Kg	-	03/23/23 13:22	03/25/23 05:52	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	177	S1+	70 - 130				03/23/23 13:22	03/25/23 05:52	1
1,4-Difluorobenzene (Surr)	80		70 - 130				03/23/23 13:22	03/25/23 05:52	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	-		03/27/23 10:35	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	110		49.9	15.0	mg/Kg	-		03/20/23 18:04	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	20.2	J	49.9	15.0	mg/Kg	-	03/17/23 14:39	03/18/23 13:42	1

Eurofins Midland

Client Sample Results

Client: Talon/LPE
Project/Site: Devon Carlsbad Fee #1

Job ID: 880-25879-1
SDG: Eddy Co. NM

Client Sample ID: TT-2 1'
Date Collected: 03/13/23 08:55
Date Received: 03/14/23 09:48
Sample Depth: 1

Lab Sample ID: 880-25879-7
Matrix: Solid

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC) (Continued)									
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics (Over C10-C28)	89.8		49.9	15.0	mg/Kg		03/17/23 14:39	03/18/23 13:42	1
Oil Range Organics (Over C28-C36)	<15.0	U	49.9	15.0	mg/Kg		03/17/23 14:39	03/18/23 13:42	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	97		70 - 130				03/17/23 14:39	03/18/23 13:42	1
o-Terphenyl	95		70 - 130				03/17/23 14:39	03/18/23 13:42	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble									
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	3860		50.1	3.96	mg/Kg			03/24/23 11:49	10

Client Sample ID: TT-2 2'
Date Collected: 03/13/23 08:58
Date Received: 03/14/23 09:48
Sample Depth: 2

Lab Sample ID: 880-25879-8
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		03/23/23 13:22	03/25/23 06:19	1
Toluene	<0.000453	U	0.00199	0.000453	mg/Kg		03/23/23 13:22	03/25/23 06:19	1
Ethylbenzene	<0.000562	U	0.00199	0.000562	mg/Kg		03/23/23 13:22	03/25/23 06:19	1
m-Xylene & p-Xylene	<0.00100	U *- *1	0.00398	0.00100	mg/Kg		03/23/23 13:22	03/25/23 06:19	1
o-Xylene	<0.000342	U	0.00199	0.000342	mg/Kg		03/23/23 13:22	03/25/23 06:19	1
Xylenes, Total	<0.00100	U *- *1	0.00398	0.00100	mg/Kg		03/23/23 13:22	03/25/23 06:19	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	198	S1+	70 - 130				03/23/23 13:22	03/25/23 06:19	1
1,4-Difluorobenzene (Surr)	76		70 - 130				03/23/23 13:22	03/25/23 06:19	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			03/27/23 10:35	1

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)									
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	63.5		49.9	15.0	mg/Kg			03/20/23 18:20	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	21.1	J	49.9	15.0	mg/Kg		03/17/23 17:28	03/18/23 11:52	1
Diesel Range Organics (Over C10-C28)	23.6	J	49.9	15.0	mg/Kg		03/17/23 17:28	03/18/23 11:52	1
Oil Range Organics (Over C28-C36)	18.8	J	49.9	15.0	mg/Kg		03/17/23 17:28	03/18/23 11:52	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	110		70 - 130				03/17/23 17:28	03/18/23 11:52	1
o-Terphenyl	115		70 - 130				03/17/23 17:28	03/18/23 11:52	1

Eurofins Midland

Client Sample Results

Client: Talon/LPE
Project/Site: Devon Carlsbad Fee #1

Job ID: 880-25879-1
SDG: Eddy Co. NM

Client Sample ID: TT-2 2'

Lab Sample ID: 880-25879-8

Date Collected: 03/13/23 08:58

Matrix: Solid

Date Received: 03/14/23 09:48

Sample Depth: 2

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	3190		49.7	3.93	mg/Kg			03/24/23 11:54	10

Client Sample ID: TT-2 4'

Lab Sample ID: 880-25879-9

Date Collected: 03/13/23 09:00

Matrix: Solid

Date Received: 03/14/23 09:48

Sample Depth: 4

Method: SW846 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		03/23/23 13:22	03/25/23 06:45	1
Toluene	<0.000455	U	0.00200	0.000455	mg/Kg		03/23/23 13:22	03/25/23 06:45	1
Ethylbenzene	<0.000564	U	0.00200	0.000564	mg/Kg		03/23/23 13:22	03/25/23 06:45	1
m-Xylene & p-Xylene	<0.00101	U * - *1	0.00399	0.00101	mg/Kg		03/23/23 13:22	03/25/23 06:45	1
o-Xylene	<0.000343	U	0.00200	0.000343	mg/Kg		03/23/23 13:22	03/25/23 06:45	1
Xylenes, Total	<0.00101	U * - *1	0.00399	0.00101	mg/Kg		03/23/23 13:22	03/25/23 06:45	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	184	S1+	70 - 130				03/23/23 13:22	03/25/23 06:45	1
1,4-Difluorobenzene (Surr)	79		70 - 130				03/23/23 13:22	03/25/23 06:45	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			03/27/23 10:35	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	52.7		49.9	15.0	mg/Kg			03/20/23 18:20	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	28.8	J	49.9	15.0	mg/Kg		03/17/23 17:28	03/18/23 12:57	1
Diesel Range Organics (Over C10-C28)	23.9	J	49.9	15.0	mg/Kg		03/17/23 17:28	03/18/23 12:57	1
Oil Range Organics (Over C28-C36)	<15.0	U	49.9	15.0	mg/Kg		03/17/23 17:28	03/18/23 12:57	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	89		70 - 130				03/17/23 17:28	03/18/23 12:57	1
o-Terphenyl	97		70 - 130				03/17/23 17:28	03/18/23 12:57	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	1910		24.8	1.96	mg/Kg			03/24/23 11:59	5

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Client Sample Results

Client: Talon/LPE
Project/Site: Devon Carlsbad Fee #1

Job ID: 880-25879-1
SDG: Eddy Co. NM

Client Sample ID: TT-2 6'

Lab Sample ID: 880-25879-10

Date Collected: 03/13/23 09:05

Matrix: Solid

Date Received: 03/14/23 09:48

Sample Depth: 6

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	2290		25.0	1.98	mg/Kg			04/05/23 14:47	5

Client Sample ID: TT-3 1'

Lab Sample ID: 880-25879-11

Date Collected: 03/13/23 09:15

Matrix: Solid

Date Received: 03/14/23 09:48

Sample Depth: 1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.000386	U	0.00200	0.000386	mg/Kg		03/23/23 13:22	03/25/23 09:00	1
Toluene	<0.000457	U	0.00200	0.000457	mg/Kg		03/23/23 13:22	03/25/23 09:00	1
Ethylbenzene	<0.000566	U	0.00200	0.000566	mg/Kg		03/23/23 13:22	03/25/23 09:00	1
m-Xylene & p-Xylene	<0.00101	U *- *1	0.00401	0.00101	mg/Kg		03/23/23 13:22	03/25/23 09:00	1
o-Xylene	<0.000345	U	0.00200	0.000345	mg/Kg		03/23/23 13:22	03/25/23 09:00	1
Xylenes, Total	<0.00101	U *- *1	0.00401	0.00101	mg/Kg		03/23/23 13:22	03/25/23 09:00	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	165	S1+	70 - 130				03/23/23 13:22	03/25/23 09:00	1
1,4-Difluorobenzene (Surr)	67	S1-	70 - 130				03/23/23 13:22	03/25/23 09:00	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00101	U	0.00401	0.00101	mg/Kg			03/27/23 10:35	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	87.6		49.8	14.9	mg/Kg			03/20/23 18:04	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	16.8	J	49.8	14.9	mg/Kg		03/17/23 14:39	03/18/23 14:04	1
Diesel Range Organics (Over C10-C28)	70.8		49.8	14.9	mg/Kg		03/17/23 14:39	03/18/23 14:04	1
Oil Range Organics (Over C28-C36)	<14.9	U	49.8	14.9	mg/Kg		03/17/23 14:39	03/18/23 14:04	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	105		70 - 130				03/17/23 14:39	03/18/23 14:04	1
o-Terphenyl	102		70 - 130				03/17/23 14:39	03/18/23 14:04	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	322		49.7	3.93	mg/Kg			03/24/23 12:13	10

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Client Sample Results

Client: Talon/LPE
Project/Site: Devon Carlsbad Fee #1

Job ID: 880-25879-1
SDG: Eddy Co. NM

Client Sample ID: TT-3 2'

Date Collected: 03/13/23 09:18

Date Received: 03/14/23 09:48

Sample Depth: 2

Lab Sample ID: 880-25879-12

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		03/23/23 13:22	03/25/23 09:26	1
Toluene	<0.000454	U	0.00199	0.000454	mg/Kg		03/23/23 13:22	03/25/23 09:26	1
Ethylbenzene	<0.000563	U	0.00199	0.000563	mg/Kg		03/23/23 13:22	03/25/23 09:26	1
m-Xylene & p-Xylene	<0.00101	U *- *1	0.00398	0.00101	mg/Kg		03/23/23 13:22	03/25/23 09:26	1
o-Xylene	<0.000343	U	0.00199	0.000343	mg/Kg		03/23/23 13:22	03/25/23 09:26	1
Xylenes, Total	<0.00101	U *- *1	0.00398	0.00101	mg/Kg		03/23/23 13:22	03/25/23 09:26	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	184	S1+	70 - 130	03/23/23 13:22	03/25/23 09:26	1
1,4-Difluorobenzene (Surr)	77		70 - 130	03/23/23 13:22	03/25/23 09:26	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00101	U	0.00398	0.00101	mg/Kg			03/27/23 10:35	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	35.6	J	49.9	15.0	mg/Kg			03/20/23 18:04	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<15.0	U	49.9	15.0	mg/Kg		03/17/23 14:39	03/18/23 14:25	1
Diesel Range Organics (Over C10-C28)	35.6	J	49.9	15.0	mg/Kg		03/17/23 14:39	03/18/23 14:25	1
Oil Range Organics (Over C28-C36)	<15.0	U	49.9	15.0	mg/Kg		03/17/23 14:39	03/18/23 14:25	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	90		70 - 130	03/17/23 14:39	03/18/23 14:25	1
o-Terphenyl	89		70 - 130	03/17/23 14:39	03/18/23 14:25	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	172		5.04	0.398	mg/Kg			03/24/23 12:18	1

Client Sample ID: TT-3 4'

Date Collected: 03/13/23 09:20

Date Received: 03/14/23 09:48

Sample Depth: 4

Lab Sample ID: 880-25879-13

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		03/23/23 13:22	03/25/23 09:53	1
Toluene	<0.000453	U	0.00199	0.000453	mg/Kg		03/23/23 13:22	03/25/23 09:53	1
Ethylbenzene	<0.000562	U	0.00199	0.000562	mg/Kg		03/23/23 13:22	03/25/23 09:53	1
m-Xylene & p-Xylene	<0.00100	U *- *1	0.00398	0.00100	mg/Kg		03/23/23 13:22	03/25/23 09:53	1
o-Xylene	<0.000342	U	0.00199	0.000342	mg/Kg		03/23/23 13:22	03/25/23 09:53	1
Xylenes, Total	<0.00100	U *- *1	0.00398	0.00100	mg/Kg		03/23/23 13:22	03/25/23 09:53	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	188	S1+	70 - 130	03/23/23 13:22	03/25/23 09:53	1

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Client Sample Results

Client: Talon/LPE
Project/Site: Devon Carlsbad Fee #1

Job ID: 880-25879-1
SDG: Eddy Co. NM

Client Sample ID: TT-3 4'

Date Collected: 03/13/23 09:20

Date Received: 03/14/23 09:48

Sample Depth: 4

Lab Sample ID: 880-25879-13

Matrix: Solid

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

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,4-Difluorobenzene (Surr)	79		70 - 130	03/23/23 13:22	03/25/23 09:53	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			03/27/23 10:35	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	50.3		50.0	15.0	mg/Kg			03/20/23 18:04	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	31.2	J	50.0	15.0	mg/Kg		03/17/23 14:39	03/18/23 14:47	1
Diesel Range Organics (Over C10-C28)	19.1	J	50.0	15.0	mg/Kg		03/17/23 14:39	03/18/23 14:47	1
Oil Range Organics (Over C28-C36)	<15.0	U	50.0	15.0	mg/Kg		03/17/23 14:39	03/18/23 14:47	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	98		70 - 130	03/17/23 14:39	03/18/23 14:47	1
o-Terphenyl	95		70 - 130	03/17/23 14:39	03/18/23 14:47	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	1280		25.3	1.99	mg/Kg			03/24/23 12:33	5

Client Sample ID: TT-3 6'

Date Collected: 03/13/23 09:23

Date Received: 03/14/23 09:48

Sample Depth: 6

Lab Sample ID: 880-25879-14

Matrix: Solid

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	1830		25.1	1.98	mg/Kg			04/05/23 17:19	5

Client Sample ID: TT-3 8'

Date Collected: 03/13/23 09:25

Date Received: 03/14/23 09:48

Sample Depth: 8

Lab Sample ID: 880-25879-15

Matrix: Solid

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	1730		25.0	1.97	mg/Kg			04/05/23 15:05	5

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Client Sample Results

Client: Talon/LPE
Project/Site: Devon Carlsbad Fee #1

Job ID: 880-25879-1
SDG: Eddy Co. NM

Client Sample ID: TT-4 1'

Date Collected: 03/13/23 09:35

Date Received: 03/14/23 09:48

Sample Depth: 1

Lab Sample ID: 880-25879-16

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	-	03/26/23 17:25	03/27/23 01:34	1
Toluene	<0.000451	U	0.00198	0.000451	mg/Kg	-	03/26/23 17:25	03/27/23 01:34	1
Ethylbenzene	<0.000559	U	0.00198	0.000559	mg/Kg	-	03/26/23 17:25	03/27/23 01:34	1
m-Xylene & p-Xylene	<0.00100	U	0.00396	0.00100	mg/Kg	-	03/26/23 17:25	03/27/23 01:34	1
o-Xylene	0.00460		0.00198	0.000341	mg/Kg	-	03/26/23 17:25	03/27/23 01:34	1
Xylenes, Total	0.00460		0.00396	0.00100	mg/Kg	-	03/26/23 17:25	03/27/23 01:34	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	123		70 - 130	03/26/23 17:25	03/27/23 01:34	1
1,4-Difluorobenzene (Surr)	88		70 - 130	03/26/23 17:25	03/27/23 01:34	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	0.00460		0.00396	0.00100	mg/Kg	-		03/27/23 10:34	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	1170		49.9	15.0	mg/Kg	-		03/20/23 18:04	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	93.1		49.9	15.0	mg/Kg	-	03/17/23 14:39	03/18/23 15:09	1
Diesel Range Organics (Over C10-C28)	1080		49.9	15.0	mg/Kg	-	03/17/23 14:39	03/18/23 15:09	1
Oil Range Organics (Over C28-C36)	<15.0	U	49.9	15.0	mg/Kg	-	03/17/23 14:39	03/18/23 15:09	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	90		70 - 130	03/17/23 14:39	03/18/23 15:09	1
o-Terphenyl	90		70 - 130	03/17/23 14:39	03/18/23 15:09	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	2950		25.3	1.99	mg/Kg	-		03/24/23 12:37	5

Client Sample ID: TT-4 2'

Date Collected: 03/13/23 09:38

Date Received: 03/14/23 09:48

Sample Depth: 2

Lab Sample ID: 880-25879-17

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	-	03/23/23 13:22	03/25/23 12:14	1
Toluene	<0.000453	U	0.00199	0.000453	mg/Kg	-	03/23/23 13:22	03/25/23 12:14	1
Ethylbenzene	0.000943	J	0.00199	0.000562	mg/Kg	-	03/23/23 13:22	03/25/23 12:14	1
m-Xylene & p-Xylene	<0.00100	U *- *1	0.00398	0.00100	mg/Kg	-	03/23/23 13:22	03/25/23 12:14	1
o-Xylene	<0.000342	U	0.00199	0.000342	mg/Kg	-	03/23/23 13:22	03/25/23 12:14	1
Xylenes, Total	<0.00100	U *- *1	0.00398	0.00100	mg/Kg	-	03/23/23 13:22	03/25/23 12:14	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	218	S1+	70 - 130	03/23/23 13:22	03/25/23 12:14	1

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Client Sample Results

Client: Talon/LPE
Project/Site: Devon Carlsbad Fee #1

Job ID: 880-25879-1
SDG: Eddy Co. NM

Client Sample ID: TT-4 2'

Date Collected: 03/13/23 09:38

Date Received: 03/14/23 09:48

Sample Depth: 2

Lab Sample ID: 880-25879-17

Matrix: Solid

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

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,4-Difluorobenzene (Surr)	75		70 - 130	03/23/23 13:22	03/25/23 12:14	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			03/27/23 10:35	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	64.1		49.9	15.0	mg/Kg			03/20/23 18:04	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	30.4	J	49.9	15.0	mg/Kg		03/17/23 14:39	03/18/23 15:31	1
Diesel Range Organics (Over C10-C28)	33.7	J	49.9	15.0	mg/Kg		03/17/23 14:39	03/18/23 15:31	1
Oil Range Organics (Over C28-C36)	<15.0	U	49.9	15.0	mg/Kg		03/17/23 14:39	03/18/23 15:31	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	84		70 - 130	03/17/23 14:39	03/18/23 15:31	1
o-Terphenyl	82		70 - 130	03/17/23 14:39	03/18/23 15:31	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	114		5.02	0.397	mg/Kg			03/24/23 12:42	1

Client Sample ID: TT-4 4'

Date Collected: 03/13/23 09:40

Date Received: 03/14/23 09:48

Sample Depth: 4

Lab Sample ID: 880-25879-18

Matrix: Solid

Method: SW846 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		03/23/23 13:22	03/25/23 12:41	1
Toluene	<0.000455	U	0.00200	0.000455	mg/Kg		03/23/23 13:22	03/25/23 12:41	1
Ethylbenzene	<0.000564	U	0.00200	0.000564	mg/Kg		03/23/23 13:22	03/25/23 12:41	1
m-Xylene & p-Xylene	<0.00101	U *- *1	0.00399	0.00101	mg/Kg		03/23/23 13:22	03/25/23 12:41	1
o-Xylene	<0.000343	U	0.00200	0.000343	mg/Kg		03/23/23 13:22	03/25/23 12:41	1
Xylenes, Total	<0.00101	U *- *1	0.00399	0.00101	mg/Kg		03/23/23 13:22	03/25/23 12:41	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	179	S1+	70 - 130	03/23/23 13:22	03/25/23 12:41	1
1,4-Difluorobenzene (Surr)	75		70 - 130	03/23/23 13:22	03/25/23 12:41	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00101	U	0.00399	0.00101	mg/Kg			03/27/23 10:35	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	43.7	J	49.9	15.0	mg/Kg			03/20/23 18:04	1

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Client Sample Results

Client: Talon/LPE
Project/Site: Devon Carlsbad Fee #1

Job ID: 880-25879-1
SDG: Eddy Co. NM

Client Sample ID: TT-4 4'

Lab Sample ID: 880-25879-18

Date Collected: 03/13/23 09:40

Matrix: Solid

Date Received: 03/14/23 09:48

Sample Depth: 4

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	24.2	J	49.9	15.0	mg/Kg		03/17/23 14:39	03/18/23 15:52	1
Diesel Range Organics (Over C10-C28)	19.5	J	49.9	15.0	mg/Kg		03/17/23 14:39	03/18/23 15:52	1
Oil Range Organics (Over C28-C36)	<15.0	U	49.9	15.0	mg/Kg		03/17/23 14:39	03/18/23 15:52	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	100		70 - 130				03/17/23 14:39	03/18/23 15:52	1
o-Terphenyl	93		70 - 130				03/17/23 14:39	03/18/23 15:52	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	28.9		4.98	0.393	mg/Kg			03/24/23 12:47	1

Client Sample ID: TT-5 1'

Lab Sample ID: 880-25879-21

Date Collected: 03/13/23 10:00

Matrix: Solid

Date Received: 03/14/23 09:48

Sample Depth: 1

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		03/23/23 13:25	03/24/23 13:04	1
Toluene	<0.000453	U	0.00199	0.000453	mg/Kg		03/23/23 13:25	03/24/23 13:04	1
Ethylbenzene	0.00162	J	0.00199	0.000562	mg/Kg		03/23/23 13:25	03/24/23 13:04	1
m-Xylene & p-Xylene	0.00272	J	0.00398	0.00100	mg/Kg		03/23/23 13:25	03/24/23 13:04	1
o-Xylene	0.00177	J	0.00199	0.000342	mg/Kg		03/23/23 13:25	03/24/23 13:04	1
Xylenes, Total	0.00449		0.00398	0.00100	mg/Kg		03/23/23 13:25	03/24/23 13:04	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	117		70 - 130				03/23/23 13:25	03/24/23 13:04	1
1,4-Difluorobenzene (Surr)	94		70 - 130				03/23/23 13:25	03/24/23 13:04	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	0.00611		0.00398	0.00100	mg/Kg			03/24/23 17:22	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	68.0		49.8	14.9	mg/Kg			03/20/23 18:04	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	36.2	J	49.8	14.9	mg/Kg		03/17/23 14:39	03/18/23 16:35	1
Diesel Range Organics (Over C10-C28)	31.8	J	49.8	14.9	mg/Kg		03/17/23 14:39	03/18/23 16:35	1
Oil Range Organics (Over C28-C36)	<14.9	U	49.8	14.9	mg/Kg		03/17/23 14:39	03/18/23 16:35	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	97		70 - 130				03/17/23 14:39	03/18/23 16:35	1
o-Terphenyl	90		70 - 130				03/17/23 14:39	03/18/23 16:35	1

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Client Sample Results

Client: Talon/LPE
Project/Site: Devon Carlsbad Fee #1

Job ID: 880-25879-1
SDG: Eddy Co. NM

Client Sample ID: TT-5 1'

Date Collected: 03/13/23 10:00

Date Received: 03/14/23 09:48

Sample Depth: 1

Lab Sample ID: 880-25879-21

Matrix: Solid

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	583		25.0	1.97	mg/Kg			03/24/23 12:52	5

Client Sample ID: TT-5 2'

Date Collected: 03/13/23 10:02

Date Received: 03/14/23 09:48

Sample Depth: 2

Lab Sample ID: 880-25879-22

Matrix: Solid

Method: SW846 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		03/23/23 13:25	03/24/23 13:24	1
Toluene	<0.000455	U	0.00200	0.000455	mg/Kg		03/23/23 13:25	03/24/23 13:24	1
Ethylbenzene	<0.000564	U	0.00200	0.000564	mg/Kg		03/23/23 13:25	03/24/23 13:24	1
m-Xylene & p-Xylene	<0.00101	U	0.00399	0.00101	mg/Kg		03/23/23 13:25	03/24/23 13:24	1
o-Xylene	<0.000343	U	0.00200	0.000343	mg/Kg		03/23/23 13:25	03/24/23 13:24	1
Xylenes, Total	<0.00101	U	0.00399	0.00101	mg/Kg		03/23/23 13:25	03/24/23 13:24	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	119		70 - 130				03/23/23 13:25	03/24/23 13:24	1
1,4-Difluorobenzene (Surr)	106		70 - 130				03/23/23 13:25	03/24/23 13:24	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			03/24/23 17:22	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	22.1	J	49.9	15.0	mg/Kg			03/20/23 18:04	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	22.1	J	49.9	15.0	mg/Kg		03/17/23 14:39	03/18/23 16:57	1
Diesel Range Organics (Over C10-C28)	<15.0	U	49.9	15.0	mg/Kg		03/17/23 14:39	03/18/23 16:57	1
Oil Range Organics (Over C28-C36)	<15.0	U	49.9	15.0	mg/Kg		03/17/23 14:39	03/18/23 16:57	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	86		70 - 130				03/17/23 14:39	03/18/23 16:57	1
o-Terphenyl	84		70 - 130				03/17/23 14:39	03/18/23 16:57	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	544		24.9	1.96	mg/Kg			03/24/23 12:57	5

Eurofins Midland

Client Sample Results

Client: Talon/LPE
Project/Site: Devon Carlsbad Fee #1

Job ID: 880-25879-1
SDG: Eddy Co. NM

Client Sample ID: TT-5 4'

Date Collected: 03/13/23 10:05

Date Received: 03/14/23 09:48

Sample Depth: 4

Lab Sample ID: 880-25879-23

Matrix: Solid

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.000387	U	0.00201	0.000387	mg/Kg	-	03/23/23 13:25	03/24/23 13:45	1
Toluene	<0.000459	U	0.00201	0.000459	mg/Kg	-	03/23/23 13:25	03/24/23 13:45	1
Ethylbenzene	<0.000568	U	0.00201	0.000568	mg/Kg	-	03/23/23 13:25	03/24/23 13:45	1
m-Xylene & p-Xylene	<0.00102	U	0.00402	0.00102	mg/Kg	-	03/23/23 13:25	03/24/23 13:45	1
o-Xylene	<0.000346	U	0.00201	0.000346	mg/Kg	-	03/23/23 13:25	03/24/23 13:45	1
Xylenes, Total	<0.00102	U	0.00402	0.00102	mg/Kg	-	03/23/23 13:25	03/24/23 13:45	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	117		70 - 130	03/23/23 13:25	03/24/23 13:45	1
1,4-Difluorobenzene (Surr)	107		70 - 130	03/23/23 13:25	03/24/23 13:45	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00102	U	0.00402	0.00102	mg/Kg	-		03/24/23 17:22	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	37.7	J	49.9	15.0	mg/Kg	-		03/20/23 18:04	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	37.7	J	49.9	15.0	mg/Kg	-	03/17/23 14:39	03/18/23 17:18	1
Diesel Range Organics (Over C10-C28)	<15.0	U	49.9	15.0	mg/Kg	-	03/17/23 14:39	03/18/23 17:18	1
Oil Range Organics (Over C28-C36)	<15.0	U	49.9	15.0	mg/Kg	-	03/17/23 14:39	03/18/23 17:18	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	85		70 - 130	03/17/23 14:39	03/18/23 17:18	1
o-Terphenyl	82		70 - 130	03/17/23 14:39	03/18/23 17:18	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	93.3		4.97	0.393	mg/Kg	-		03/24/23 13:02	1

Client Sample ID: TT-6 1'

Date Collected: 03/13/23 11:00

Date Received: 03/14/23 09:48

Sample Depth: 1

Lab Sample ID: 880-25879-25

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	-	03/23/23 13:25	03/24/23 14:26	1
Toluene	<0.000454	U	0.00199	0.000454	mg/Kg	-	03/23/23 13:25	03/24/23 14:26	1
Ethylbenzene	<0.000563	U	0.00199	0.000563	mg/Kg	-	03/23/23 13:25	03/24/23 14:26	1
m-Xylene & p-Xylene	<0.00101	U	0.00398	0.00101	mg/Kg	-	03/23/23 13:25	03/24/23 14:26	1
o-Xylene	0.000398	J	0.00199	0.000343	mg/Kg	-	03/23/23 13:25	03/24/23 14:26	1
Xylenes, Total	<0.00101	U	0.00398	0.00101	mg/Kg	-	03/23/23 13:25	03/24/23 14:26	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	119		70 - 130	03/23/23 13:25	03/24/23 14:26	1

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Client Sample Results

Client: Talon/LPE
Project/Site: Devon Carlsbad Fee #1

Job ID: 880-25879-1
SDG: Eddy Co. NM

Client Sample ID: TT-6 1'

Date Collected: 03/13/23 11:00

Date Received: 03/14/23 09:48

Sample Depth: 1

Lab Sample ID: 880-25879-25

Matrix: Solid

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

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,4-Difluorobenzene (Surr)	110		70 - 130	03/23/23 13:25	03/24/23 14:26	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00101	U	0.00398	0.00101	mg/Kg			03/24/23 17:22	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	69.3		49.9	15.0	mg/Kg			03/20/23 18:04	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	31.3	J	49.9	15.0	mg/Kg		03/17/23 14:39	03/18/23 17:40	1
Diesel Range Organics (Over C10-C28)	38.0	J	49.9	15.0	mg/Kg		03/17/23 14:39	03/18/23 17:40	1
Oil Range Organics (Over C28-C36)	<15.0	U	49.9	15.0	mg/Kg		03/17/23 14:39	03/18/23 17:40	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	85		70 - 130	03/17/23 14:39	03/18/23 17:40	1
o-Terphenyl	84		70 - 130	03/17/23 14:39	03/18/23 17:40	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	194		5.03	0.397	mg/Kg			03/24/23 10:25	1

Client Sample ID: TT-6 2'

Date Collected: 03/13/23 11:05

Date Received: 03/14/23 09:48

Sample Depth: 2

Lab Sample ID: 880-25879-26

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		03/23/23 13:25	03/24/23 14:46	1
Toluene	<0.000453	U	0.00199	0.000453	mg/Kg		03/23/23 13:25	03/24/23 14:46	1
Ethylbenzene	<0.000562	U	0.00199	0.000562	mg/Kg		03/23/23 13:25	03/24/23 14:46	1
m-Xylene & p-Xylene	<0.00100	U	0.00398	0.00100	mg/Kg		03/23/23 13:25	03/24/23 14:46	1
o-Xylene	<0.000342	U	0.00199	0.000342	mg/Kg		03/23/23 13:25	03/24/23 14:46	1
Xylenes, Total	<0.00100	U	0.00398	0.00100	mg/Kg		03/23/23 13:25	03/24/23 14:46	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	114		70 - 130	03/23/23 13:25	03/24/23 14:46	1
1,4-Difluorobenzene (Surr)	106		70 - 130	03/23/23 13:25	03/24/23 14:46	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			03/24/23 17:22	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	83.4		49.8	14.9	mg/Kg			03/20/23 18:04	1

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Client Sample Results

Client: Talon/LPE
Project/Site: Devon Carlsbad Fee #1

Job ID: 880-25879-1
SDG: Eddy Co. NM

Client Sample ID: TT-6 2'

Lab Sample ID: 880-25879-26

Date Collected: 03/13/23 11:05

Matrix: Solid

Date Received: 03/14/23 09:48

Sample Depth: 2

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	17.2	J	49.8	14.9	mg/Kg	-	03/17/23 14:39	03/18/23 18:01	1
Diesel Range Organics (Over C10-C28)	66.2		49.8	14.9	mg/Kg		03/17/23 14:39	03/18/23 18:01	1
Oil Range Organics (Over C28-C36)	<14.9	U	49.8	14.9	mg/Kg		03/17/23 14:39	03/18/23 18:01	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	88		70 - 130				03/17/23 14:39	03/18/23 18:01	1
o-Terphenyl	85		70 - 130				03/17/23 14:39	03/18/23 18:01	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	199		4.97	0.393	mg/Kg	-		03/24/23 10:39	1

Client Sample ID: TT-6 4'

Lab Sample ID: 880-25879-27

Date Collected: 03/13/23 11:10

Matrix: Solid

Date Received: 03/14/23 09:48

Sample Depth: 4

Method: SW846 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	-	03/23/23 13:25	03/24/23 15:07	1
Toluene	<0.000455	U	0.00200	0.000455	mg/Kg	-	03/23/23 13:25	03/24/23 15:07	1
Ethylbenzene	<0.000564	U	0.00200	0.000564	mg/Kg	-	03/23/23 13:25	03/24/23 15:07	1
m-Xylene & p-Xylene	<0.00101	U	0.00399	0.00101	mg/Kg	-	03/23/23 13:25	03/24/23 15:07	1
o-Xylene	<0.000343	U	0.00200	0.000343	mg/Kg	-	03/23/23 13:25	03/24/23 15:07	1
Xylenes, Total	<0.00101	U	0.00399	0.00101	mg/Kg	-	03/23/23 13:25	03/24/23 15:07	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	115		70 - 130				03/23/23 13:25	03/24/23 15:07	1
1,4-Difluorobenzene (Surr)	106		70 - 130				03/23/23 13:25	03/24/23 15:07	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	-		03/24/23 17:22	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	28.6	J	49.9	15.0	mg/Kg	-		03/20/23 18:04	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	28.6	J	49.9	15.0	mg/Kg	-	03/17/23 14:39	03/18/23 18:22	1
Diesel Range Organics (Over C10-C28)	<15.0	U	49.9	15.0	mg/Kg		03/17/23 14:39	03/18/23 18:22	1
Oil Range Organics (Over C28-C36)	<15.0	U	49.9	15.0	mg/Kg		03/17/23 14:39	03/18/23 18:22	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	87		70 - 130				03/17/23 14:39	03/18/23 18:22	1
o-Terphenyl	88		70 - 130				03/17/23 14:39	03/18/23 18:22	1

Eurofins Midland

Client Sample Results

Client: Talon/LPE
Project/Site: Devon Carlsbad Fee #1

Job ID: 880-25879-1
SDG: Eddy Co. NM

Client Sample ID: TT-6 4'

Date Collected: 03/13/23 11:10

Date Received: 03/14/23 09:48

Sample Depth: 4

Lab Sample ID: 880-25879-27

Matrix: Solid

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	119		24.9	1.96	mg/Kg			03/24/23 10:44	5

Client Sample ID: TT-7 1'

Date Collected: 03/13/23 11:30

Date Received: 03/14/23 09:48

Sample Depth: 1

Lab Sample ID: 880-25879-29

Matrix: Solid

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.000386	U	0.00200	0.000386	mg/Kg		03/23/23 13:25	03/24/23 18:55	1
Toluene	0.00113	J	0.00200	0.000457	mg/Kg		03/23/23 13:25	03/24/23 18:55	1
Ethylbenzene	<0.000566	U	0.00200	0.000566	mg/Kg		03/23/23 13:25	03/24/23 18:55	1
m-Xylene & p-Xylene	<0.00101	U	0.00401	0.00101	mg/Kg		03/23/23 13:25	03/24/23 18:55	1
o-Xylene	<0.000345	U	0.00200	0.000345	mg/Kg		03/23/23 13:25	03/24/23 18:55	1
Xylenes, Total	<0.00101	U	0.00401	0.00101	mg/Kg		03/23/23 13:25	03/24/23 18:55	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	110		70 - 130				03/23/23 13:25	03/24/23 18:55	1
1,4-Difluorobenzene (Surr)	104		70 - 130				03/23/23 13:25	03/24/23 18:55	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	0.00113	J	0.00401	0.00101	mg/Kg			03/25/23 16:16	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	50.8		49.9	15.0	mg/Kg			03/20/23 18:04	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	30.0	J	49.9	15.0	mg/Kg		03/17/23 14:39	03/18/23 18:44	1
Diesel Range Organics (Over C10-C28)	20.8	J	49.9	15.0	mg/Kg		03/17/23 14:39	03/18/23 18:44	1
Oil Range Organics (Over C28-C36)	<15.0	U	49.9	15.0	mg/Kg		03/17/23 14:39	03/18/23 18:44	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	86		70 - 130				03/17/23 14:39	03/18/23 18:44	1
o-Terphenyl	84		70 - 130				03/17/23 14:39	03/18/23 18:44	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	95.6		4.95	0.391	mg/Kg			03/24/23 10:49	1

Eurofins Midland

Client Sample Results

Client: Talon/LPE
Project/Site: Devon Carlsbad Fee #1

Job ID: 880-25879-1
SDG: Eddy Co. NM

Client Sample ID: TT-7 2'

Date Collected: 03/13/23 11:35

Date Received: 03/14/23 09:48

Sample Depth: 2

Lab Sample ID: 880-25879-30

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	-	03/23/23 13:25	03/24/23 19:15	1
Toluene	<0.000454	U	0.00199	0.000454	mg/Kg	-	03/23/23 13:25	03/24/23 19:15	1
Ethylbenzene	<0.000563	U	0.00199	0.000563	mg/Kg	-	03/23/23 13:25	03/24/23 19:15	1
m-Xylene & p-Xylene	<0.00101	U	0.00398	0.00101	mg/Kg	-	03/23/23 13:25	03/24/23 19:15	1
o-Xylene	<0.000343	U	0.00199	0.000343	mg/Kg	-	03/23/23 13:25	03/24/23 19:15	1
Xylenes, Total	<0.00101	U	0.00398	0.00101	mg/Kg	-	03/23/23 13:25	03/24/23 19:15	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	115		70 - 130	03/23/23 13:25	03/24/23 19:15	1
1,4-Difluorobenzene (Surr)	107		70 - 130	03/23/23 13:25	03/24/23 19:15	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00101	U	0.00398	0.00101	mg/Kg	-		03/25/23 16:16	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	54.6		49.9	15.0	mg/Kg	-		03/20/23 18:04	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	29.8	J	49.9	15.0	mg/Kg	-	03/17/23 14:39	03/18/23 19:05	1
Diesel Range Organics (Over C10-C28)	24.8	J	49.9	15.0	mg/Kg	-	03/17/23 14:39	03/18/23 19:05	1
Oil Range Organics (Over C28-C36)	<15.0	U	49.9	15.0	mg/Kg	-	03/17/23 14:39	03/18/23 19:05	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	95		70 - 130	03/17/23 14:39	03/18/23 19:05	1
o-Terphenyl	93		70 - 130	03/17/23 14:39	03/18/23 19:05	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	63.3		5.01	0.396	mg/Kg	-		03/24/23 10:54	1

Client Sample ID: TT-7 4'

Date Collected: 03/13/23 11:40

Date Received: 03/14/23 09:48

Sample Depth: 4

Lab Sample ID: 880-25879-31

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	-	03/23/23 13:25	03/24/23 19:36	1
Toluene	<0.000451	U	0.00198	0.000451	mg/Kg	-	03/23/23 13:25	03/24/23 19:36	1
Ethylbenzene	<0.000559	U	0.00198	0.000559	mg/Kg	-	03/23/23 13:25	03/24/23 19:36	1
m-Xylene & p-Xylene	<0.00100	U	0.00396	0.00100	mg/Kg	-	03/23/23 13:25	03/24/23 19:36	1
o-Xylene	<0.000341	U	0.00198	0.000341	mg/Kg	-	03/23/23 13:25	03/24/23 19:36	1
Xylenes, Total	<0.00100	U	0.00396	0.00100	mg/Kg	-	03/23/23 13:25	03/24/23 19:36	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	114		70 - 130	03/23/23 13:25	03/24/23 19:36	1

Eurofins Midland

Client Sample Results

Client: Talon/LPE
Project/Site: Devon Carlsbad Fee #1

Job ID: 880-25879-1
SDG: Eddy Co. NM

Client Sample ID: TT-7 4'

Date Collected: 03/13/23 11:40

Date Received: 03/14/23 09:48

Sample Depth: 4

Lab Sample ID: 880-25879-31

Matrix: Solid

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

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,4-Difluorobenzene (Surr)	106		70 - 130	03/23/23 13:25	03/24/23 19:36	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			03/25/23 16:16	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	28.2	J	49.8	14.9	mg/Kg			03/20/23 18:04	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	28.2	J	49.8	14.9	mg/Kg		03/17/23 14:39	03/18/23 19:27	1
Diesel Range Organics (Over C10-C28)	<14.9	U	49.8	14.9	mg/Kg		03/17/23 14:39	03/18/23 19:27	1
Oil Range Organics (Over C28-C36)	<14.9	U	49.8	14.9	mg/Kg		03/17/23 14:39	03/18/23 19:27	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	85		70 - 130				03/17/23 14:39	03/18/23 19:27	1
o-Terphenyl	83		70 - 130				03/17/23 14:39	03/18/23 19:27	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	154		5.04	0.398	mg/Kg			03/24/23 11:23	1

Client Sample ID: TT-8 1'

Date Collected: 03/13/23 12:10

Date Received: 03/14/23 09:48

Sample Depth: 1

Lab Sample ID: 880-25879-33

Matrix: Solid

Method: SW846 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		03/23/23 13:25	03/24/23 20:17	1
Toluene	<0.000455	U	0.00200	0.000455	mg/Kg		03/23/23 13:25	03/24/23 20:17	1
Ethylbenzene	<0.000564	U	0.00200	0.000564	mg/Kg		03/23/23 13:25	03/24/23 20:17	1
m-Xylene & p-Xylene	<0.00101	U	0.00399	0.00101	mg/Kg		03/23/23 13:25	03/24/23 20:17	1
o-Xylene	<0.000343	U	0.00200	0.000343	mg/Kg		03/23/23 13:25	03/24/23 20:17	1
Xylenes, Total	<0.00101	U	0.00399	0.00101	mg/Kg		03/23/23 13:25	03/24/23 20:17	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	114		70 - 130	03/23/23 13:25	03/24/23 20:17	1
1,4-Difluorobenzene (Surr)	107		70 - 130	03/23/23 13:25	03/24/23 20:17	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			03/25/23 16:16	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	43.1	J	50.0	15.0	mg/Kg			03/20/23 18:04	1

Eurofins Midland

Client Sample Results

Client: Talon/LPE
Project/Site: Devon Carlsbad Fee #1

Job ID: 880-25879-1
SDG: Eddy Co. NM

Client Sample ID: TT-8 1'

Date Collected: 03/13/23 12:10

Date Received: 03/14/23 09:48

Sample Depth: 1

Lab Sample ID: 880-25879-33

Matrix: Solid

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	43.1	J	50.0	15.0	mg/Kg		03/17/23 14:39	03/18/23 19:48	1
Diesel Range Organics (Over C10-C28)	<15.0	U	50.0	15.0	mg/Kg		03/17/23 14:39	03/18/23 19:48	1
Oil Range Organics (Over C28-C36)	<15.0	U	50.0	15.0	mg/Kg		03/17/23 14:39	03/18/23 19:48	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	96		70 - 130				03/17/23 14:39	03/18/23 19:48	1
o-Terphenyl	93		70 - 130				03/17/23 14:39	03/18/23 19:48	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	45.3		5.03	0.397	mg/Kg			03/27/23 18:31	1

Client Sample ID: TT-8 2'

Date Collected: 03/13/23 12:15

Date Received: 03/14/23 09:48

Sample Depth: 2

Lab Sample ID: 880-25879-34

Matrix: Solid

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.000387	U	0.00201	0.000387	mg/Kg		03/23/23 13:25	03/24/23 20:37	1
Toluene	<0.000459	U	0.00201	0.000459	mg/Kg		03/23/23 13:25	03/24/23 20:37	1
Ethylbenzene	<0.000568	U	0.00201	0.000568	mg/Kg		03/23/23 13:25	03/24/23 20:37	1
m-Xylene & p-Xylene	<0.00102	U	0.00402	0.00102	mg/Kg		03/23/23 13:25	03/24/23 20:37	1
o-Xylene	<0.000346	U	0.00201	0.000346	mg/Kg		03/23/23 13:25	03/24/23 20:37	1
Xylenes, Total	<0.00102	U	0.00402	0.00102	mg/Kg		03/23/23 13:25	03/24/23 20:37	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	119		70 - 130				03/23/23 13:25	03/24/23 20:37	1
1,4-Difluorobenzene (Surr)	106		70 - 130				03/23/23 13:25	03/24/23 20:37	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00102	U	0.00402	0.00102	mg/Kg			03/25/23 16:16	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	89.3		50.0	15.0	mg/Kg			03/20/23 18:20	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	48.5	J	50.0	15.0	mg/Kg		03/17/23 17:28	03/18/23 13:20	1
Diesel Range Organics (Over C10-C28)	24.0	J	50.0	15.0	mg/Kg		03/17/23 17:28	03/18/23 13:20	1
Oil Range Organics (Over C28-C36)	16.8	J	50.0	15.0	mg/Kg		03/17/23 17:28	03/18/23 13:20	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	77		70 - 130				03/17/23 17:28	03/18/23 13:20	1
o-Terphenyl	82		70 - 130				03/17/23 17:28	03/18/23 13:20	1

Eurofins Midland

Client Sample Results

Client: Talon/LPE
Project/Site: Devon Carlsbad Fee #1

Job ID: 880-25879-1
SDG: Eddy Co. NM

Client Sample ID: TT-8 2'

Lab Sample ID: 880-25879-34

Date Collected: 03/13/23 12:15

Matrix: Solid

Date Received: 03/14/23 09:48

Sample Depth: 2

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	77.2		4.98	0.393	mg/Kg			03/27/23 18:35	1

Client Sample ID: TT-8 4'

Lab Sample ID: 880-25879-35

Date Collected: 03/13/23 12:20

Matrix: Solid

Date Received: 03/14/23 09:48

Sample Depth: 4

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.000389	U	0.00202	0.000389	mg/Kg		03/23/23 13:25	03/24/23 20:58	1
Toluene	<0.000461	U	0.00202	0.000461	mg/Kg		03/23/23 13:25	03/24/23 20:58	1
Ethylbenzene	<0.000571	U	0.00202	0.000571	mg/Kg		03/23/23 13:25	03/24/23 20:58	1
m-Xylene & p-Xylene	<0.00102	U	0.00404	0.00102	mg/Kg		03/23/23 13:25	03/24/23 20:58	1
o-Xylene	<0.000347	U	0.00202	0.000347	mg/Kg		03/23/23 13:25	03/24/23 20:58	1
Xylenes, Total	<0.00102	U	0.00404	0.00102	mg/Kg		03/23/23 13:25	03/24/23 20:58	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	121		70 - 130				03/23/23 13:25	03/24/23 20:58	1
1,4-Difluorobenzene (Surr)	105		70 - 130				03/23/23 13:25	03/24/23 20:58	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00102	U	0.00404	0.00102	mg/Kg			03/25/23 16:16	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	52.2		50.0	15.0	mg/Kg			03/20/23 18:20	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	18.9	J	50.0	15.0	mg/Kg		03/17/23 17:28	03/18/23 13:42	1
Diesel Range Organics (Over C10-C28)	18.2	J	50.0	15.0	mg/Kg		03/17/23 17:28	03/18/23 13:42	1
Oil Range Organics (Over C28-C36)	15.1	J	50.0	15.0	mg/Kg		03/17/23 17:28	03/18/23 13:42	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	82		70 - 130				03/17/23 17:28	03/18/23 13:42	1
o-Terphenyl	88		70 - 130				03/17/23 17:28	03/18/23 13:42	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	129		24.8	1.96	mg/Kg			03/24/23 11:18	5

Eurofins Midland

Surrogate Summary

Client: Talon/LPE
Project/Site: Devon Carlsbad Fee #1

Job ID: 880-25879-1
SDG: Eddy Co. NM

Method: 8021B - Volatile Organic Compounds (GC)

Matrix: Solid

Prep Type: Total/NA

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits)	
		BFB1 (70-130)	DFBZ1 (70-130)
880-25879-1	TT-1 1'	170 S1+	75
880-25879-1 MS	TT-1 1'	179 S1+	86
880-25879-1 MSD	TT-1 1'	185 S1+	99
880-25879-2	TT-1 2'	177 S1+	78
880-25879-3	TT-1 4'	190 S1+	80
880-25879-7	TT-2 1'	177 S1+	80
880-25879-8	TT-2 2'	198 S1+	76
880-25879-9	TT-2 4'	184 S1+	79
880-25879-11	TT-3 1'	165 S1+	67 S1-
880-25879-12	TT-3 2'	184 S1+	77
880-25879-13	TT-3 4'	188 S1+	79
880-25879-16	TT-4 1'	123	88
880-25879-17	TT-4 2'	218 S1+	75
880-25879-18	TT-4 4'	179 S1+	75
880-25879-21	TT-5 1'	117	94
880-25879-21 MS	TT-5 1'	116	107
880-25879-21 MSD	TT-5 1'	115	106
880-25879-22	TT-5 2'	119	106
880-25879-23	TT-5 4'	117	107
880-25879-25	TT-6 1'	119	110
880-25879-26	TT-6 2'	114	106
880-25879-27	TT-6 4'	115	106
880-25879-29	TT-7 1'	110	104
880-25879-30	TT-7 2'	115	107
880-25879-31	TT-7 4'	114	106
880-25879-33	TT-8 1'	114	107
880-25879-34	TT-8 2'	119	106
880-25879-35	TT-8 4'	121	105
880-25960-A-19-E MS	Matrix Spike	104	110
880-25960-A-19-F MSD	Matrix Spike Duplicate	114	105
LCS 880-49330/1-A	Lab Control Sample	166 S1+	94
LCS 880-49331/1-A	Lab Control Sample	110	110
LCS 880-49553/1-A	Lab Control Sample	96	111
LCSD 880-49330/2-A	Lab Control Sample Dup	158 S1+	89
LCSD 880-49331/2-A	Lab Control Sample Dup	114	110
LCSD 880-49553/2-A	Lab Control Sample Dup	105	89
MB 880-49330/5-A	Method Blank	115	72
MB 880-49331/5-A	Method Blank	101	100
MB 880-49334/5-A	Method Blank	108	74
MB 880-49339/5-A	Method Blank	76	97
MB 880-49553/5-A	Method Blank	109	107

Surrogate Legend

BFB = 4-Bromofluorobenzene (Surr)

DFBZ = 1,4-Difluorobenzene (Surr)

Eurofins Midland

Surrogate Summary

Client: Talon/LPE
Project/Site: Devon Carlsbad Fee #1

Job ID: 880-25879-1
SDG: Eddy Co. NM

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)
880-25879-1	TT-1 1'	113	105
880-25879-2	TT-1 2'	101	97
880-25879-2 MS	TT-1 2'	86	80
880-25879-2 MSD	TT-1 2'	85	79
880-25879-3	TT-1 4'	92	87
880-25879-4	TT-1 6'	94	92
880-25879-5	TT-1 8'	106	105
880-25879-7	TT-2 1'	97	95
880-25879-8	TT-2 2'	110	115
880-25879-8 MS	TT-2 2'	100	100
880-25879-8 MSD	TT-2 2'	109	108
880-25879-9	TT-2 4'	89	97
880-25879-11	TT-3 1'	105	102
880-25879-12	TT-3 2'	90	89
880-25879-13	TT-3 4'	98	95
880-25879-16	TT-4 1'	90	90
880-25879-17	TT-4 2'	84	82
880-25879-18	TT-4 4'	100	93
880-25879-21	TT-5 1'	97	90
880-25879-22	TT-5 2'	86	84
880-25879-23	TT-5 4'	85	82
880-25879-25	TT-6 1'	85	84
880-25879-26	TT-6 2'	88	85
880-25879-27	TT-6 4'	87	88
880-25879-29	TT-7 1'	86	84
880-25879-30	TT-7 2'	95	93
880-25879-31	TT-7 4'	85	83
880-25879-33	TT-8 1'	96	93
880-25879-34	TT-8 2'	77	82
880-25879-35	TT-8 4'	82	88
890-4371-A-1-B MS	Matrix Spike	88	80
890-4371-A-1-C MSD	Matrix Spike Duplicate	103	91
LCS 880-48849/2-A	Lab Control Sample	97	96
LCS 880-48866/2-A	Lab Control Sample	128	146 S1+
LCS 880-49652/2-A	Lab Control Sample	103	103
LCSD 880-48849/3-A	Lab Control Sample Dup	94	96
LCSD 880-48866/3-A	Lab Control Sample Dup	131 S1+	150 S1+
LCSD 880-49652/3-A	Lab Control Sample Dup	102	106
MB 880-48849/1-A	Method Blank	100	103
MB 880-48866/1-A	Method Blank	106	119
MB 880-49652/1-A	Method Blank	124	124

Surrogate Legend

1CO = 1-Chlorooctane

OTPH = o-Terphenyl

Eurofins Midland

QC Sample Results

Client: Talon/LPE
Project/Site: Devon Carlsbad Fee #1

Job ID: 880-25879-1
SDG: Eddy Co. NM

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 880-49330/5-A

Matrix: Solid

Analysis Batch: 49363

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 49330

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.000385	U	0.00200	0.000385	mg/Kg		03/23/23 13:22	03/25/23 02:44	1
Toluene	<0.000456	U	0.00200	0.000456	mg/Kg		03/23/23 13:22	03/25/23 02:44	1
Ethylbenzene	<0.000565	U	0.00200	0.000565	mg/Kg		03/23/23 13:22	03/25/23 02:44	1
m-Xylene & p-Xylene	<0.00101	U	0.00400	0.00101	mg/Kg		03/23/23 13:22	03/25/23 02:44	1
o-Xylene	<0.000344	U	0.00200	0.000344	mg/Kg		03/23/23 13:22	03/25/23 02:44	1
Xylenes, Total	<0.00101	U	0.00400	0.00101	mg/Kg		03/23/23 13:22	03/25/23 02:44	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	115		70 - 130	03/23/23 13:22	03/25/23 02:44	1
1,4-Difluorobenzene (Surr)	72		70 - 130	03/23/23 13:22	03/25/23 02:44	1

Lab Sample ID: LCS 880-49330/1-A

Matrix: Solid

Analysis Batch: 49363

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 49330

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	0.100	0.1273		mg/Kg		127	70 - 130
Toluene	0.100	0.1132		mg/Kg		113	70 - 130
Ethylbenzene	0.100	0.1064		mg/Kg		106	70 - 130
m-Xylene & p-Xylene	0.200	0.02446	*-	mg/Kg		12	70 - 130
o-Xylene	0.100	0.1204		mg/Kg		120	70 - 130

Surrogate	LCS %Recovery	LCS Qualifier	Limits
4-Bromofluorobenzene (Surr)	166	S1+	70 - 130
1,4-Difluorobenzene (Surr)	94		70 - 130

Lab Sample ID: LCSD 880-49330/2-A

Matrix: Solid

Analysis Batch: 49363

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 49330

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	0.100	0.1280		mg/Kg		128	70 - 130	1	35
Toluene	0.100	0.1035		mg/Kg		103	70 - 130	9	35
Ethylbenzene	0.100	0.1113		mg/Kg		111	70 - 130	5	35
m-Xylene & p-Xylene	0.200	0.2313	*1	mg/Kg		116	70 - 130	162	35
o-Xylene	0.100	0.1118		mg/Kg		112	70 - 130	7	35

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	158	S1+	70 - 130
1,4-Difluorobenzene (Surr)	89		70 - 130

Lab Sample ID: 880-25879-1 MS

Matrix: Solid

Analysis Batch: 49363

Client Sample ID: TT-1 1'

Prep Type: Total/NA

Prep Batch: 49330

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	<0.000388	U F1	0.0990	0.1100		mg/Kg		111	70 - 130
Toluene	<0.000460	U	0.0990	0.09959		mg/Kg		101	70 - 130

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QC Sample Results

Client: Talon/LPE
Project/Site: Devon Carlsbad Fee #1

Job ID: 880-25879-1
SDG: Eddy Co. NM

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

Lab Sample ID: 880-25879-1 MS

Matrix: Solid

Analysis Batch: 49363

Client Sample ID: TT-1 1'

Prep Type: Total/NA

Prep Batch: 49330

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Ethylbenzene	<0.000570	U	0.0990	0.1043		mg/Kg		105	70 - 130
m-Xylene & p-Xylene	<0.00102	U *- *1	0.198	0.2114		mg/Kg		107	70 - 130
o-Xylene	<0.000347	U	0.0990	0.1026		mg/Kg		104	70 - 130

Surrogate	MS %Recovery	MS Qualifier	Limits
4-Bromofluorobenzene (Surr)	179	S1+	70 - 130
1,4-Difluorobenzene (Surr)	86		70 - 130

Lab Sample ID: 880-25879-1 MSD

Matrix: Solid

Analysis Batch: 49363

Client Sample ID: TT-1 1'

Prep Type: Total/NA

Prep Batch: 49330

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	<0.000388	U F1	0.0998	0.1343	F1	mg/Kg		135	70 - 130	20	35
Toluene	<0.000460	U	0.0998	0.1123		mg/Kg		113	70 - 130	12	35
Ethylbenzene	<0.000570	U	0.0998	0.1157		mg/Kg		116	70 - 130	10	35
m-Xylene & p-Xylene	<0.00102	U *- *1	0.200	0.2319		mg/Kg		116	70 - 130	9	35
o-Xylene	<0.000347	U	0.0998	0.1151		mg/Kg		115	70 - 130	11	35

Surrogate	MSD %Recovery	MSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	185	S1+	70 - 130
1,4-Difluorobenzene (Surr)	99		70 - 130

Lab Sample ID: MB 880-49331/5-A

Matrix: Solid

Analysis Batch: 49375

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 49331

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.000385	U	0.00200	0.000385	mg/Kg		03/23/23 13:25	03/24/23 12:35	1
Toluene	<0.000456	U	0.00200	0.000456	mg/Kg		03/23/23 13:25	03/24/23 12:35	1
Ethylbenzene	<0.000565	U	0.00200	0.000565	mg/Kg		03/23/23 13:25	03/24/23 12:35	1
m-Xylene & p-Xylene	<0.00101	U	0.00400	0.00101	mg/Kg		03/23/23 13:25	03/24/23 12:35	1
o-Xylene	<0.000344	U	0.00200	0.000344	mg/Kg		03/23/23 13:25	03/24/23 12:35	1
Xylenes, Total	<0.00101	U	0.00400	0.00101	mg/Kg		03/23/23 13:25	03/24/23 12:35	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	101		70 - 130	03/23/23 13:25	03/24/23 12:35	1
1,4-Difluorobenzene (Surr)	100		70 - 130	03/23/23 13:25	03/24/23 12:35	1

Lab Sample ID: LCS 880-49331/1-A

Matrix: Solid

Analysis Batch: 49375

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 49331

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	0.100	0.1018		mg/Kg		102	70 - 130
Toluene	0.100	0.09887		mg/Kg		99	70 - 130
Ethylbenzene	0.100	0.08829		mg/Kg		88	70 - 130
m-Xylene & p-Xylene	0.200	0.1746		mg/Kg		87	70 - 130

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QC Sample Results

Client: Talon/LPE
Project/Site: Devon Carlsbad Fee #1

Job ID: 880-25879-1
SDG: Eddy Co. NM

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

Lab Sample ID: LCS 880-49331/1-A

Matrix: Solid

Analysis Batch: 49375

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 49331

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
o-Xylene	0.100	0.09060		mg/Kg		91	70 - 130

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

Lab Sample ID: LCSD 880-49331/2-A

Matrix: Solid

Analysis Batch: 49375

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 49331

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	Limit
Benzene	0.100	0.1088		mg/Kg		109	70 - 130	7	35
Toluene	0.100	0.1074		mg/Kg		107	70 - 130	8	35
Ethylbenzene	0.100	0.09586		mg/Kg		96	70 - 130	8	35
m-Xylene & p-Xylene	0.200	0.1907		mg/Kg		95	70 - 130	9	35
o-Xylene	0.100	0.09659		mg/Kg		97	70 - 130	6	35

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	114		70 - 130
1,4-Difluorobenzene (Surr)	110		70 - 130

Lab Sample ID: 880-25879-21 MS

Matrix: Solid

Analysis Batch: 49375

Client Sample ID: TT-5 1'

Prep Type: Total/NA

Prep Batch: 49331

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	<0.000383	U	0.100	0.09973		mg/Kg		99	70 - 130
Toluene	<0.000453	U	0.100	0.09887		mg/Kg		98	70 - 130
Ethylbenzene	0.00162	J	0.100	0.08495		mg/Kg		83	70 - 130
m-Xylene & p-Xylene	0.00272	J	0.201	0.1686		mg/Kg		83	70 - 130
o-Xylene	0.00177	J	0.100	0.08512		mg/Kg		83	70 - 130

Surrogate	MS %Recovery	MS Qualifier	Limits
4-Bromofluorobenzene (Surr)	116		70 - 130
1,4-Difluorobenzene (Surr)	107		70 - 130

Lab Sample ID: 880-25879-21 MSD

Matrix: Solid

Analysis Batch: 49375

Client Sample ID: TT-5 1'

Prep Type: Total/NA

Prep Batch: 49331

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	Limit
Benzene	<0.000383	U	0.0990	0.09939		mg/Kg		100	70 - 130	0	35
Toluene	<0.000453	U	0.0990	0.09537		mg/Kg		96	70 - 130	4	35
Ethylbenzene	0.00162	J	0.0990	0.08693		mg/Kg		86	70 - 130	2	35
m-Xylene & p-Xylene	0.00272	J	0.198	0.1721		mg/Kg		86	70 - 130	2	35
o-Xylene	0.00177	J	0.0990	0.08653		mg/Kg		86	70 - 130	2	35

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QC Sample Results

Client: Talon/LPE
Project/Site: Devon Carlsbad Fee #1

Job ID: 880-25879-1
SDG: Eddy Co. NM

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

Lab Sample ID: 880-25879-21 MSD

Matrix: Solid

Analysis Batch: 49375

Client Sample ID: TT-5 1'

Prep Type: Total/NA

Prep Batch: 49331

	MSD	MSD	
Surrogate	%Recovery	Qualifier	Limits
4-Bromofluorobenzene (Surr)	115		70 - 130
1,4-Difluorobenzene (Surr)	106		70 - 130

Lab Sample ID: MB 880-49334/5-A

Matrix: Solid

Analysis Batch: 49363

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 49334

Analyte	MB	MB							
	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.000385	U	0.00200	0.000385	mg/Kg		03/23/23 14:49	03/24/23 12:55	1
Toluene	<0.000456	U	0.00200	0.000456	mg/Kg		03/23/23 14:49	03/24/23 12:55	1
Ethylbenzene	<0.000565	U	0.00200	0.000565	mg/Kg		03/23/23 14:49	03/24/23 12:55	1
m-Xylene & p-Xylene	0.001601	J	0.00400	0.00101	mg/Kg		03/23/23 14:49	03/24/23 12:55	1
o-Xylene	<0.000344	U	0.00200	0.000344	mg/Kg		03/23/23 14:49	03/24/23 12:55	1
Xylenes, Total	0.001601	J	0.00400	0.00101	mg/Kg		03/23/23 14:49	03/24/23 12:55	1

	MB	MB	
Surrogate	%Recovery	Qualifier	Limits
4-Bromofluorobenzene (Surr)	108		70 - 130
1,4-Difluorobenzene (Surr)	74		70 - 130

	Prepared	Analyzed	Dil Fac
	03/23/23 14:49	03/24/23 12:55	1
	03/23/23 14:49	03/24/23 12:55	1

Lab Sample ID: MB 880-49339/5-A

Matrix: Solid

Analysis Batch: 49531

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 49339

Analyte	MB	MB							
	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.000385	U	0.00200	0.000385	mg/Kg		03/23/23 15:10	03/26/23 13:55	1
Toluene	<0.000456	U	0.00200	0.000456	mg/Kg		03/23/23 15:10	03/26/23 13:55	1
Ethylbenzene	<0.000565	U	0.00200	0.000565	mg/Kg		03/23/23 15:10	03/26/23 13:55	1
m-Xylene & p-Xylene	<0.00101	U	0.00400	0.00101	mg/Kg		03/23/23 15:10	03/26/23 13:55	1
o-Xylene	<0.000344	U	0.00200	0.000344	mg/Kg		03/23/23 15:10	03/26/23 13:55	1
Xylenes, Total	<0.00101	U	0.00400	0.00101	mg/Kg		03/23/23 15:10	03/26/23 13:55	1

	MB	MB	
Surrogate	%Recovery	Qualifier	Limits
4-Bromofluorobenzene (Surr)	76		70 - 130
1,4-Difluorobenzene (Surr)	97		70 - 130

	Prepared	Analyzed	Dil Fac
	03/23/23 15:10	03/26/23 13:55	1
	03/23/23 15:10	03/26/23 13:55	1

Lab Sample ID: MB 880-49553/5-A

Matrix: Solid

Analysis Batch: 49531

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 49553

Analyte	MB	MB							
	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.000385	U	0.00200	0.000385	mg/Kg		03/26/23 17:25	03/27/23 00:32	1
Toluene	<0.000456	U	0.00200	0.000456	mg/Kg		03/26/23 17:25	03/27/23 00:32	1
Ethylbenzene	<0.000565	U	0.00200	0.000565	mg/Kg		03/26/23 17:25	03/27/23 00:32	1
m-Xylene & p-Xylene	<0.00101	U	0.00400	0.00101	mg/Kg		03/26/23 17:25	03/27/23 00:32	1
o-Xylene	<0.000344	U	0.00200	0.000344	mg/Kg		03/26/23 17:25	03/27/23 00:32	1
Xylenes, Total	<0.00101	U	0.00400	0.00101	mg/Kg		03/26/23 17:25	03/27/23 00:32	1

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QC Sample Results

Client: Talon/LPE
Project/Site: Devon Carlsbad Fee #1

Job ID: 880-25879-1
SDG: Eddy Co. NM

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

Lab Sample ID: MB 880-49553/5-A

Matrix: Solid

Analysis Batch: 49531

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 49553

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	109		70 - 130	03/26/23 17:25	03/27/23 00:32	1
1,4-Difluorobenzene (Surr)	107		70 - 130	03/26/23 17:25	03/27/23 00:32	1

Lab Sample ID: LCS 880-49553/1-A

Matrix: Solid

Analysis Batch: 49531

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 49553

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	0.100	0.09250		mg/Kg		93	70 - 130
Toluene	0.100	0.08123		mg/Kg		81	70 - 130
Ethylbenzene	0.100	0.07763		mg/Kg		78	70 - 130
m-Xylene & p-Xylene	0.200	0.1593		mg/Kg		80	70 - 130
o-Xylene	0.100	0.08146		mg/Kg		81	70 - 130

Surrogate	LCS %Recovery	LCS Qualifier	Limits
4-Bromofluorobenzene (Surr)	96		70 - 130
1,4-Difluorobenzene (Surr)	111		70 - 130

Lab Sample ID: LCSD 880-49553/2-A

Matrix: Solid

Analysis Batch: 49531

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 49553

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	Limit
Benzene	0.100	0.09074		mg/Kg		91	70 - 130	2	35
Toluene	0.100	0.09036		mg/Kg		90	70 - 130	11	35
Ethylbenzene	0.100	0.08650		mg/Kg		87	70 - 130	11	35
m-Xylene & p-Xylene	0.200	0.1802		mg/Kg		90	70 - 130	12	35
o-Xylene	0.100	0.09187		mg/Kg		92	70 - 130	12	35

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	105		70 - 130
1,4-Difluorobenzene (Surr)	89		70 - 130

Lab Sample ID: 880-25960-A-19-E MS

Matrix: Solid

Analysis Batch: 49531

Client Sample ID: Matrix Spike

Prep Type: Total/NA

Prep Batch: 49553

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	<0.000387	U	0.100	0.1007		mg/Kg		101	70 - 130
Toluene	0.000503	J	0.100	0.09426		mg/Kg		94	70 - 130
Ethylbenzene	<0.000568	U	0.100	0.08781		mg/Kg		88	70 - 130
m-Xylene & p-Xylene	<0.00102	U	0.200	0.1863		mg/Kg		93	70 - 130
o-Xylene	<0.000346	U	0.100	0.09528		mg/Kg		95	70 - 130

Surrogate	MS %Recovery	MS Qualifier	Limits
4-Bromofluorobenzene (Surr)	104		70 - 130
1,4-Difluorobenzene (Surr)	110		70 - 130

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QC Sample Results

Client: Talon/LPE
Project/Site: Devon Carlsbad Fee #1

Job ID: 880-25879-1
SDG: Eddy Co. NM

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

Lab Sample ID: 880-25960-A-19-F MSD

Matrix: Solid

Analysis Batch: 49531

Client Sample ID: Matrix Spike Duplicate

Prep Type: Total/NA

Prep Batch: 49553

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	<0.000387	U	0.0990	0.08427		mg/Kg		85	70 - 130	18	35
Toluene	0.000503	J	0.0990	0.08308		mg/Kg		83	70 - 130	13	35
Ethylbenzene	<0.000568	U	0.0990	0.08616		mg/Kg		87	70 - 130	2	35
m-Xylene & p-Xylene	<0.00102	U	0.198	0.1837		mg/Kg		93	70 - 130	1	35
o-Xylene	<0.000346	U	0.0990	0.09442		mg/Kg		95	70 - 130	1	35

Surrogate	MSD %Recovery	MSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	114		70 - 130
1,4-Difluorobenzene (Surr)	105		70 - 130

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

Lab Sample ID: MB 880-48849/1-A

Matrix: Solid

Analysis Batch: 48876

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 48849

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		03/17/23 14:39	03/18/23 09:16	1
Diesel Range Organics (Over C10-C28)	<15.0	U	50.0	15.0	mg/Kg		03/17/23 14:39	03/18/23 09:16	1
Oil Range Organics (Over C28-C36)	<15.0	U	50.0	15.0	mg/Kg		03/17/23 14:39	03/18/23 09:16	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	100		70 - 130	03/17/23 14:39	03/18/23 09:16	1
o-Terphenyl	103		70 - 130	03/17/23 14:39	03/18/23 09:16	1

Lab Sample ID: LCS 880-48849/2-A

Matrix: Solid

Analysis Batch: 48876

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 48849

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics (GRO)-C6-C10	1000	836.6		mg/Kg		84	70 - 130
Diesel Range Organics (Over C10-C28)	1000	755.5		mg/Kg		76	70 - 130

Surrogate	LCS %Recovery	LCS Qualifier	Limits
1-Chlorooctane	97		70 - 130
o-Terphenyl	96		70 - 130

Lab Sample ID: LCSD 880-48849/3-A

Matrix: Solid

Analysis Batch: 48876

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 48849

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	1000	884.4		mg/Kg		88	70 - 130	6	20

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QC Sample Results

Client: Talon/LPE
Project/Site: Devon Carlsbad Fee #1

Job ID: 880-25879-1
SDG: Eddy Co. NM

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

Lab Sample ID: LCSD 880-48849/3-A

Matrix: Solid

Analysis Batch: 48876

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 48849

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Diesel Range Organics (Over C10-C28)	1000	763.5		mg/Kg		76	70 - 130	1	20

	LCSD %Recovery	LCSD Qualifier	Limits
Surrogate			
1-Chlorooctane	94		70 - 130
o-Terphenyl	96		70 - 130

Lab Sample ID: 880-25879-2 MS

Matrix: Solid

Analysis Batch: 48876

Client Sample ID: TT-1 2'

Prep Type: Total/NA

Prep Batch: 48849

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	23.4	J	997	1062		mg/Kg		104	70 - 130		
Diesel Range Organics (Over C10-C28)	29.6	J	997	734.4		mg/Kg		71	70 - 130		

	MS %Recovery	MS Qualifier	Limits
Surrogate			
1-Chlorooctane	86		70 - 130
o-Terphenyl	80		70 - 130

Lab Sample ID: 880-25879-2 MSD

Matrix: Solid

Analysis Batch: 48876

Client Sample ID: TT-1 2'

Prep Type: Total/NA

Prep Batch: 48849

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	23.4	J	998	1003		mg/Kg		98	70 - 130	6	20
Diesel Range Organics (Over C10-C28)	29.6	J	998	732.4		mg/Kg		70	70 - 130	0	20

	MSD %Recovery	MSD Qualifier	Limits
Surrogate			
1-Chlorooctane	85		70 - 130
o-Terphenyl	79		70 - 130

Lab Sample ID: MB 880-48866/1-A

Matrix: Solid

Analysis Batch: 48874

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 48866

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		03/17/23 17:28	03/18/23 09:16	1
Diesel Range Organics (Over C10-C28)	<15.0	U	50.0	15.0	mg/Kg		03/17/23 17:28	03/18/23 09:16	1
Oil Range Organics (Over C28-C36)	<15.0	U	50.0	15.0	mg/Kg		03/17/23 17:28	03/18/23 09:16	1

	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
Surrogate						
1-Chlorooctane	106		70 - 130	03/17/23 17:28	03/18/23 09:16	1
o-Terphenyl	119		70 - 130	03/17/23 17:28	03/18/23 09:16	1

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QC Sample Results

Client: Talon/LPE
Project/Site: Devon Carlsbad Fee #1

Job ID: 880-25879-1
SDG: Eddy Co. NM

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

Lab Sample ID: LCS 880-48866/2-A

Matrix: Solid

Analysis Batch: 48874

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 48866

Analyte			Spike	LCS	LCS	Unit	D	%Rec	%Rec		
			Added	Result	Qualifier			Limits	Limits		
Gasoline Range Organics (GRO)-C6-C10			1000	935.6		mg/Kg		94	70 - 130		
Diesel Range Organics (Over C10-C28)			1000	785.5		mg/Kg		79	70 - 130		
Surrogate	LCS		Limits								
	%Recovery	Qualifier									
1-Chlorooctane	128		70 - 130								
o-Terphenyl	146	S1+	70 - 130								

Lab Sample ID: LCSD 880-48866/3-A

Matrix: Solid

Analysis Batch: 48874

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 48866

Report Date: 10/01/2024											
Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10			1000	940.1		mg/Kg		94	70 - 130	0	20
Diesel Range Organics (Over C10-C28)			1000	811.0		mg/Kg		81	70 - 130	3	20
Surrogate	LCSD %Recovery	LCSD Qualifier	Limits								
1-Chlorooctane	131	S1+	70 - 130								
o-Terphenyl	150	S1+	70 - 130								

Lab Sample ID: 880-25879-8 MS

Matrix: Solid

Analysis Batch: 48874

Client Sample ID: TT-2 2'

Prep Type: Total/NA

Prep Batch: 48866

Analyte	Sample	Sample	Spike	MS	MS	Unit	D	%Rec	%Rec		
	Result	Qualifier	Added	Result	Qualifier				Limits		
Gasoline Range Organics (GRO)-C6-C10	21.1	J	998	901.7		mg/Kg		88	70 - 130		
Diesel Range Organics (Over C10-C28)	23.6	J	998	911.8		mg/Kg		89	70 - 130		
Surrogate	MS %Recovery	MS Qualifier	Limits								
1-Chlorooctane	100		70 - 130								
o-Terphenyl	100		70 - 130								

Lab Sample ID: 880-25879-8 MSD

Matrix: Solid

Analysis Batch: 48874

Client Sample ID: TT-2 2'

Prep Type: Total/NA

Prep Batch: 48866

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	21.1	J	996	950.7		mg/Kg	-	93	70 - 130	5	20
Diesel Range Organics (Over C10-C28)	23.6	J	996	993.2		mg/Kg		97	70 - 130	9	20
Surrogate	MSD %Recovery	MSD Qualifier	Limits								
1-Chlorooctane	109		70 - 130								

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QC Sample Results

Client: Talon/LPE
Project/Site: Devon Carlsbad Fee #1

Job ID: 880-25879-1
SDG: Eddy Co. NM

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

Lab Sample ID: 880-25879-8 MSD
Matrix: Solid
Analysis Batch: 48874

Client Sample ID: TT-2 2'
Prep Type: Total/NA
Prep Batch: 48866

	MSD	MSD	
Surrogate	%Recovery	Qualifier	Limits
<i>o</i> -Terphenyl	108		70 - 130

Lab Sample ID: MB 880-49652/1-A
Matrix: Solid
Analysis Batch: 49691

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 49652

	MB	MB								
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac	
Gasoline Range Organics (GRO)-C6-C10	23.55	J	50.0	15.0	mg/Kg		03/27/23 14:32	03/28/23 21:43	1	
Diesel Range Organics (Over C10-C28)	<15.0	U	50.0	15.0	mg/Kg		03/27/23 14:32	03/28/23 21:43	1	
Oil Range Organics (Over C28-C36)	<15.0	U	50.0	15.0	mg/Kg		03/27/23 14:32	03/28/23 21:43	1	
	MB	MB								
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac	
1-Chlorooctane	124		70 - 130				03/27/23 14:32	03/28/23 21:43	1	
<i>o</i> -Terphenyl	124		70 - 130				03/27/23 14:32	03/28/23 21:43	1	

Lab Sample ID: LCS 880-49652/2-A
Matrix: Solid
Analysis Batch: 49691

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 49652

		Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Gasoline Range Organics (GRO)-C6-C10		1000	869.0		mg/Kg		87	70 - 130		
Diesel Range Organics (Over C10-C28)		1000	875.2		mg/Kg		88	70 - 130		
	LCS	LCS								
Surrogate	%Recovery	Qualifier	Limits							
1-Chlorooctane	103		70 - 130							
<i>o</i> -Terphenyl	103		70 - 130							

Lab Sample ID: LCSD 880-49652/3-A
Matrix: Solid
Analysis Batch: 49691

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 49652

		Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10		1000	972.5		mg/Kg		97	70 - 130	11	20
Diesel Range Organics (Over C10-C28)		1000	912.9		mg/Kg		91	70 - 130	4	20
	LCSD	LCSD								
Surrogate	%Recovery	Qualifier	Limits							
1-Chlorooctane	102		70 - 130							
<i>o</i> -Terphenyl	106		70 - 130							

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QC Sample Results

Client: Talon/LPE
Project/Site: Devon Carlsbad Fee #1

Job ID: 880-25879-1
SDG: Eddy Co. NM

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

Lab Sample ID: 890-4371-A-1-B MS

Matrix: Solid

Analysis Batch: 49691

Client Sample ID: Matrix Spike

Prep Type: Total/NA

Prep Batch: 49652

Analyte	Sample	Sample	Spike	MS	MS	Unit	D	%Rec	%Rec		
	Result	Qualifier	Added	Result	Qualifier			Limits	Limits		
Gasoline Range Organics (GRO)-C6-C10	<15.0	U F2	997	862.1		mg/Kg		86	70 - 130		
Diesel Range Organics (Over C10-C28)	<15.0	U	997	895.2		mg/Kg		90	70 - 130		
Surrogate	MS %Recovery	MS Qualifier	Limits								
1-Chlorooctane	88		70 - 130								
o-Terphenyl	80		70 - 130								

Lab Sample ID: 890-4371-A-1-C MSD

Matrix: Solid

Analysis Batch: 49691

Client Sample ID: Matrix Spike Duplicate

Prep Type: Total/NA

Prep Batch: 49652

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	<15.0	U F2	999	1185	F2	mg/Kg		119	70 - 130	32	20
Diesel Range Organics (Over C10-C28)	<15.0	U	999	1014		mg/Kg		102	70 - 130	12	20
Surrogate	MSD %Recovery	MSD Qualifier	Limits								
1-Chlorooctane	103		70 - 130								
o-Terphenyl	91		70 - 130								

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-48971/1-A

Matrix: Solid

Analysis Batch: 49464

Client Sample ID: Method Blank

Prep Type: Soluble

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<0.395	U	5.00	0.395	mg/Kg			03/24/23 10:10	1

Lab Sample ID: LCS 880-48971/2-A

Matrix: Solid

Analysis Batch: 49464

Client Sample ID: Lab Control Sample

Prep Type: Soluble

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	250	265.0		mg/Kg		106	90 - 110

Lab Sample ID: LCSD 880-48971/3-A

Matrix: Solid

Analysis Batch: 49464

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	265.5		mg/Kg		106	90 - 110	0	20

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QC Sample Results

Client: Talon/LPE
Project/Site: Devon Carlsbad Fee #1

Job ID: 880-25879-1
SDG: Eddy Co. NM

Method: 300.0 - Anions, Ion Chromatography (Continued)

Lab Sample ID: 880-25879-25 MS

Matrix: Solid

Analysis Batch: 49464

Client Sample ID: TT-6 1'

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	194		252	450.9		mg/Kg		102	90 - 110

Lab Sample ID: 880-25879-25 MSD

Matrix: Solid

Analysis Batch: 49464

Client Sample ID: TT-6 1'

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	194		252	452.5		mg/Kg		103	90 - 110	0	20

Lab Sample ID: MB 880-48970/1-A

Matrix: Solid

Analysis Batch: 49465

Client Sample ID: Method Blank

Prep Type: Soluble

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<0.395	U	5.00	0.395	mg/Kg			03/24/23 10:36	1

Lab Sample ID: LCS 880-48970/2-A

Matrix: Solid

Analysis Batch: 49465

Client Sample ID: Lab Control Sample

Prep Type: Soluble

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	250	240.4		mg/Kg		96	90 - 110

Lab Sample ID: LCSD 880-48970/3-A

Matrix: Solid

Analysis Batch: 49465

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	239.8		mg/Kg		96	90 - 110	0	20

Lab Sample ID: 880-25879-9 MS

Matrix: Solid

Analysis Batch: 49465

Client Sample ID: TT-2 4'

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	1910		1240	3101		mg/Kg		96	90 - 110

Lab Sample ID: 880-25879-9 MSD

Matrix: Solid

Analysis Batch: 49465

Client Sample ID: TT-2 4'

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	1910		1240	3082		mg/Kg		95	90 - 110	1	20

Lab Sample ID: MB 880-50402/1-A

Matrix: Solid

Analysis Batch: 50408

Client Sample ID: Method Blank

Prep Type: Soluble

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<0.395	U	5.00	0.395	mg/Kg			04/05/23 13:34	1

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QC Sample Results

Client: Talon/LPE
Project/Site: Devon Carlsbad Fee #1

Job ID: 880-25879-1
SDG: Eddy Co. NM

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: LCS 880-50402/2-A					Client Sample ID: Lab Control Sample						
Matrix: Solid					Prep Type: Soluble						
Analysis Batch: 50408											
Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Chloride			250	245.1		mg/Kg		98	90 - 110		

Lab Sample ID: LCSD 880-50402/3-A					Client Sample ID: Lab Control Sample Dup						
Matrix: Solid					Prep Type: Soluble						
Analysis Batch: 50408											
Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride			250	241.4		mg/Kg		97	90 - 110	2	20

Lab Sample ID: 880-25879-14 MS					Client Sample ID: TT-3 6'						
Matrix: Solid					Prep Type: Soluble						
Analysis Batch: 50408											
Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Chloride	1830		1250	3206		mg/Kg		110	90 - 110		

Lab Sample ID: 880-25879-14 MSD					Client Sample ID: TT-3 6'						
Matrix: Solid					Prep Type: Soluble						
Analysis Batch: 50408											
Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	1830		1250	3207		mg/Kg		110	90 - 110	0	20

QC Association Summary

Client: Talon/LPE
Project/Site: Devon Carlsbad Fee #1

Job ID: 880-25879-1
SDG: Eddy Co. NM

GC VOA

Prep Batch: 49330

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-25879-1	TT-1 1'	Total/NA	Solid	5035	
880-25879-2	TT-1 2'	Total/NA	Solid	5035	
880-25879-3	TT-1 4'	Total/NA	Solid	5035	
880-25879-7	TT-2 1'	Total/NA	Solid	5035	
880-25879-8	TT-2 2'	Total/NA	Solid	5035	
880-25879-9	TT-2 4'	Total/NA	Solid	5035	
880-25879-11	TT-3 1'	Total/NA	Solid	5035	
880-25879-12	TT-3 2'	Total/NA	Solid	5035	
880-25879-13	TT-3 4'	Total/NA	Solid	5035	
880-25879-17	TT-4 2'	Total/NA	Solid	5035	
880-25879-18	TT-4 4'	Total/NA	Solid	5035	
MB 880-49330/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-49330/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-49330/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
880-25879-1 MS	TT-1 1'	Total/NA	Solid	5035	
880-25879-1 MSD	TT-1 1'	Total/NA	Solid	5035	

Prep Batch: 49331

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-25879-21	TT-5 1'	Total/NA	Solid	5035	
880-25879-22	TT-5 2'	Total/NA	Solid	5035	
880-25879-23	TT-5 4'	Total/NA	Solid	5035	
880-25879-25	TT-6 1'	Total/NA	Solid	5035	
880-25879-26	TT-6 2'	Total/NA	Solid	5035	
880-25879-27	TT-6 4'	Total/NA	Solid	5035	
880-25879-29	TT-7 1'	Total/NA	Solid	5035	
880-25879-30	TT-7 2'	Total/NA	Solid	5035	
880-25879-31	TT-7 4'	Total/NA	Solid	5035	
880-25879-33	TT-8 1'	Total/NA	Solid	5035	
880-25879-34	TT-8 2'	Total/NA	Solid	5035	
880-25879-35	TT-8 4'	Total/NA	Solid	5035	
MB 880-49331/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-49331/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-49331/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
880-25879-21 MS	TT-5 1'	Total/NA	Solid	5035	
880-25879-21 MSD	TT-5 1'	Total/NA	Solid	5035	

Prep Batch: 49334

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 880-49334/5-A	Method Blank	Total/NA	Solid	5035	

Prep Batch: 49339

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 880-49339/5-A	Method Blank	Total/NA	Solid	5035	

Analysis Batch: 49363

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-25879-1	TT-1 1'	Total/NA	Solid	8021B	49330
880-25879-2	TT-1 2'	Total/NA	Solid	8021B	49330
880-25879-3	TT-1 4'	Total/NA	Solid	8021B	49330
880-25879-7	TT-2 1'	Total/NA	Solid	8021B	49330

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QC Association Summary

Client: Talon/LPE
Project/Site: Devon Carlsbad Fee #1

Job ID: 880-25879-1
SDG: Eddy Co. NM

GC VOA (Continued)

Analysis Batch: 49363 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-25879-8	TT-2 2'	Total/NA	Solid	8021B	49330
880-25879-9	TT-2 4'	Total/NA	Solid	8021B	49330
880-25879-11	TT-3 1'	Total/NA	Solid	8021B	49330
880-25879-12	TT-3 2'	Total/NA	Solid	8021B	49330
880-25879-13	TT-3 4'	Total/NA	Solid	8021B	49330
880-25879-17	TT-4 2'	Total/NA	Solid	8021B	49330
880-25879-18	TT-4 4'	Total/NA	Solid	8021B	49330
MB 880-49330/5-A	Method Blank	Total/NA	Solid	8021B	49330
MB 880-49334/5-A	Method Blank	Total/NA	Solid	8021B	49334
LCS 880-49330/1-A	Lab Control Sample	Total/NA	Solid	8021B	49330
LCSD 880-49330/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	49330
880-25879-1 MS	TT-1 1'	Total/NA	Solid	8021B	49330
880-25879-1 MSD	TT-1 1'	Total/NA	Solid	8021B	49330

Analysis Batch: 49375

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-25879-21	TT-5 1'	Total/NA	Solid	8021B	49331
880-25879-22	TT-5 2'	Total/NA	Solid	8021B	49331
880-25879-23	TT-5 4'	Total/NA	Solid	8021B	49331
880-25879-25	TT-6 1'	Total/NA	Solid	8021B	49331
880-25879-26	TT-6 2'	Total/NA	Solid	8021B	49331
880-25879-27	TT-6 4'	Total/NA	Solid	8021B	49331
880-25879-29	TT-7 1'	Total/NA	Solid	8021B	49331
880-25879-30	TT-7 2'	Total/NA	Solid	8021B	49331
880-25879-31	TT-7 4'	Total/NA	Solid	8021B	49331
880-25879-33	TT-8 1'	Total/NA	Solid	8021B	49331
880-25879-34	TT-8 2'	Total/NA	Solid	8021B	49331
880-25879-35	TT-8 4'	Total/NA	Solid	8021B	49331
MB 880-49331/5-A	Method Blank	Total/NA	Solid	8021B	49331
LCS 880-49331/1-A	Lab Control Sample	Total/NA	Solid	8021B	49331
LCSD 880-49331/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	49331
880-25879-21 MS	TT-5 1'	Total/NA	Solid	8021B	49331
880-25879-21 MSD	TT-5 1'	Total/NA	Solid	8021B	49331

Analysis Batch: 49458

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-25879-1	TT-1 1'	Total/NA	Solid	Total BTEX	
880-25879-2	TT-1 2'	Total/NA	Solid	Total BTEX	
880-25879-3	TT-1 4'	Total/NA	Solid	Total BTEX	
880-25879-7	TT-2 1'	Total/NA	Solid	Total BTEX	
880-25879-8	TT-2 2'	Total/NA	Solid	Total BTEX	
880-25879-9	TT-2 4'	Total/NA	Solid	Total BTEX	
880-25879-11	TT-3 1'	Total/NA	Solid	Total BTEX	
880-25879-12	TT-3 2'	Total/NA	Solid	Total BTEX	
880-25879-13	TT-3 4'	Total/NA	Solid	Total BTEX	
880-25879-16	TT-4 1'	Total/NA	Solid	Total BTEX	
880-25879-17	TT-4 2'	Total/NA	Solid	Total BTEX	
880-25879-18	TT-4 4'	Total/NA	Solid	Total BTEX	
880-25879-21	TT-5 1'	Total/NA	Solid	Total BTEX	
880-25879-22	TT-5 2'	Total/NA	Solid	Total BTEX	
880-25879-23	TT-5 4'	Total/NA	Solid	Total BTEX	

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QC Association Summary

Client: Talon/LPE
Project/Site: Devon Carlsbad Fee #1

Job ID: 880-25879-1
SDG: Eddy Co. NM

GC VOA (Continued)

Analysis Batch: 49458 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-25879-25	TT-6 1'	Total/NA	Solid	Total BTEX	
880-25879-26	TT-6 2'	Total/NA	Solid	Total BTEX	
880-25879-27	TT-6 4'	Total/NA	Solid	Total BTEX	
880-25879-29	TT-7 1'	Total/NA	Solid	Total BTEX	
880-25879-30	TT-7 2'	Total/NA	Solid	Total BTEX	
880-25879-31	TT-7 4'	Total/NA	Solid	Total BTEX	
880-25879-33	TT-8 1'	Total/NA	Solid	Total BTEX	
880-25879-34	TT-8 2'	Total/NA	Solid	Total BTEX	
880-25879-35	TT-8 4'	Total/NA	Solid	Total BTEX	

Analysis Batch: 49531

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-25879-16	TT-4 1'	Total/NA	Solid	8021B	49553
MB 880-49339/5-A	Method Blank	Total/NA	Solid	8021B	49339
MB 880-49553/5-A	Method Blank	Total/NA	Solid	8021B	49553
LCS 880-49553/1-A	Lab Control Sample	Total/NA	Solid	8021B	49553
LCSD 880-49553/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	49553
880-25960-A-19-E MS	Matrix Spike	Total/NA	Solid	8021B	49553
880-25960-A-19-F MSD	Matrix Spike Duplicate	Total/NA	Solid	8021B	49553

Prep Batch: 49553

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-25879-16	TT-4 1'	Total/NA	Solid	5035	
MB 880-49553/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-49553/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-49553/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
880-25960-A-19-E MS	Matrix Spike	Total/NA	Solid	5035	
880-25960-A-19-F MSD	Matrix Spike Duplicate	Total/NA	Solid	5035	

GC Semi VOA

Prep Batch: 48849

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-25879-1	TT-1 1'	Total/NA	Solid	8015NM Prep	
880-25879-2	TT-1 2'	Total/NA	Solid	8015NM Prep	
880-25879-3	TT-1 4'	Total/NA	Solid	8015NM Prep	
880-25879-7	TT-2 1'	Total/NA	Solid	8015NM Prep	
880-25879-11	TT-3 1'	Total/NA	Solid	8015NM Prep	
880-25879-12	TT-3 2'	Total/NA	Solid	8015NM Prep	
880-25879-13	TT-3 4'	Total/NA	Solid	8015NM Prep	
880-25879-16	TT-4 1'	Total/NA	Solid	8015NM Prep	
880-25879-17	TT-4 2'	Total/NA	Solid	8015NM Prep	
880-25879-18	TT-4 4'	Total/NA	Solid	8015NM Prep	
880-25879-21	TT-5 1'	Total/NA	Solid	8015NM Prep	
880-25879-22	TT-5 2'	Total/NA	Solid	8015NM Prep	
880-25879-23	TT-5 4'	Total/NA	Solid	8015NM Prep	
880-25879-25	TT-6 1'	Total/NA	Solid	8015NM Prep	
880-25879-26	TT-6 2'	Total/NA	Solid	8015NM Prep	
880-25879-27	TT-6 4'	Total/NA	Solid	8015NM Prep	
880-25879-29	TT-7 1'	Total/NA	Solid	8015NM Prep	
880-25879-30	TT-7 2'	Total/NA	Solid	8015NM Prep	

Eurofins Midland

QC Association Summary

Client: Talon/LPE
Project/Site: Devon Carlsbad Fee #1

Job ID: 880-25879-1
SDG: Eddy Co. NM

GC Semi VOA (Continued)

Prep Batch: 48849 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-25879-31	TT-7 4'	Total/NA	Solid	8015NM Prep	
880-25879-33	TT-8 1'	Total/NA	Solid	8015NM Prep	
MB 880-48849/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-48849/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-48849/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
880-25879-2 MS	TT-1 2'	Total/NA	Solid	8015NM Prep	
880-25879-2 MSD	TT-1 2'	Total/NA	Solid	8015NM Prep	

Prep Batch: 48866

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-25879-8	TT-2 2'	Total/NA	Solid	8015NM Prep	
880-25879-9	TT-2 4'	Total/NA	Solid	8015NM Prep	
880-25879-34	TT-8 2'	Total/NA	Solid	8015NM Prep	
880-25879-35	TT-8 4'	Total/NA	Solid	8015NM Prep	
MB 880-48866/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-48866/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-48866/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
880-25879-8 MS	TT-2 2'	Total/NA	Solid	8015NM Prep	
880-25879-8 MSD	TT-2 2'	Total/NA	Solid	8015NM Prep	

Analysis Batch: 48874

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-25879-8	TT-2 2'	Total/NA	Solid	8015B NM	48866
880-25879-9	TT-2 4'	Total/NA	Solid	8015B NM	48866
880-25879-34	TT-8 2'	Total/NA	Solid	8015B NM	48866
880-25879-35	TT-8 4'	Total/NA	Solid	8015B NM	48866
MB 880-48866/1-A	Method Blank	Total/NA	Solid	8015B NM	48866
LCS 880-48866/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	48866
LCSD 880-48866/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	48866
880-25879-8 MS	TT-2 2'	Total/NA	Solid	8015B NM	48866
880-25879-8 MSD	TT-2 2'	Total/NA	Solid	8015B NM	48866

Analysis Batch: 48876

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-25879-1	TT-1 1'	Total/NA	Solid	8015B NM	48849
880-25879-2	TT-1 2'	Total/NA	Solid	8015B NM	48849
880-25879-3	TT-1 4'	Total/NA	Solid	8015B NM	48849
880-25879-7	TT-2 1'	Total/NA	Solid	8015B NM	48849
880-25879-11	TT-3 1'	Total/NA	Solid	8015B NM	48849
880-25879-12	TT-3 2'	Total/NA	Solid	8015B NM	48849
880-25879-13	TT-3 4'	Total/NA	Solid	8015B NM	48849
880-25879-16	TT-4 1'	Total/NA	Solid	8015B NM	48849
880-25879-17	TT-4 2'	Total/NA	Solid	8015B NM	48849
880-25879-18	TT-4 4'	Total/NA	Solid	8015B NM	48849
880-25879-21	TT-5 1'	Total/NA	Solid	8015B NM	48849
880-25879-22	TT-5 2'	Total/NA	Solid	8015B NM	48849
880-25879-23	TT-5 4'	Total/NA	Solid	8015B NM	48849
880-25879-25	TT-6 1'	Total/NA	Solid	8015B NM	48849
880-25879-26	TT-6 2'	Total/NA	Solid	8015B NM	48849
880-25879-27	TT-6 4'	Total/NA	Solid	8015B NM	48849
880-25879-29	TT-7 1'	Total/NA	Solid	8015B NM	48849

Eurofins Midland

QC Association Summary

Client: Talon/LPE
Project/Site: Devon Carlsbad Fee #1

Job ID: 880-25879-1
SDG: Eddy Co. NM

GC Semi VOA (Continued)

Analysis Batch: 48876 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-25879-30	TT-7 2'	Total/NA	Solid	8015B NM	48849
880-25879-31	TT-7 4'	Total/NA	Solid	8015B NM	48849
880-25879-33	TT-8 1'	Total/NA	Solid	8015B NM	48849
MB 880-48849/1-A	Method Blank	Total/NA	Solid	8015B NM	48849
LCS 880-48849/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	48849
LCSD 880-48849/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	48849
880-25879-2 MS	TT-1 2'	Total/NA	Solid	8015B NM	48849
880-25879-2 MSD	TT-1 2'	Total/NA	Solid	8015B NM	48849

Analysis Batch: 49055

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-25879-1	TT-1 1'	Total/NA	Solid	8015 NM	
880-25879-2	TT-1 2'	Total/NA	Solid	8015 NM	
880-25879-3	TT-1 4'	Total/NA	Solid	8015 NM	
880-25879-4	TT-1 6'	Total/NA	Solid	8015 NM	
880-25879-5	TT-1 8'	Total/NA	Solid	8015 NM	
880-25879-7	TT-2 1'	Total/NA	Solid	8015 NM	
880-25879-8	TT-2 2'	Total/NA	Solid	8015 NM	
880-25879-9	TT-2 4'	Total/NA	Solid	8015 NM	
880-25879-11	TT-3 1'	Total/NA	Solid	8015 NM	
880-25879-12	TT-3 2'	Total/NA	Solid	8015 NM	
880-25879-13	TT-3 4'	Total/NA	Solid	8015 NM	
880-25879-16	TT-4 1'	Total/NA	Solid	8015 NM	
880-25879-17	TT-4 2'	Total/NA	Solid	8015 NM	
880-25879-18	TT-4 4'	Total/NA	Solid	8015 NM	
880-25879-21	TT-5 1'	Total/NA	Solid	8015 NM	
880-25879-22	TT-5 2'	Total/NA	Solid	8015 NM	
880-25879-23	TT-5 4'	Total/NA	Solid	8015 NM	
880-25879-25	TT-6 1'	Total/NA	Solid	8015 NM	
880-25879-26	TT-6 2'	Total/NA	Solid	8015 NM	
880-25879-27	TT-6 4'	Total/NA	Solid	8015 NM	
880-25879-29	TT-7 1'	Total/NA	Solid	8015 NM	
880-25879-30	TT-7 2'	Total/NA	Solid	8015 NM	
880-25879-31	TT-7 4'	Total/NA	Solid	8015 NM	
880-25879-33	TT-8 1'	Total/NA	Solid	8015 NM	
880-25879-34	TT-8 2'	Total/NA	Solid	8015 NM	
880-25879-35	TT-8 4'	Total/NA	Solid	8015 NM	

Prep Batch: 49652

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-25879-4	TT-1 6'	Total/NA	Solid	8015NM Prep	
880-25879-5	TT-1 8'	Total/NA	Solid	8015NM Prep	
MB 880-49652/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-49652/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-49652/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
890-4371-A-1-B MS	Matrix Spike	Total/NA	Solid	8015NM Prep	
890-4371-A-1-C MSD	Matrix Spike Duplicate	Total/NA	Solid	8015NM Prep	

Analysis Batch: 49691

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-25879-4	TT-1 6'	Total/NA	Solid	8015B NM	49652

Eurofins Midland

QC Association Summary

Client: Talon/LPE
Project/Site: Devon Carlsbad Fee #1

Job ID: 880-25879-1
SDG: Eddy Co. NM

GC Semi VOA (Continued)

Analysis Batch: 49691 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-25879-5	TT-1 8'	Total/NA	Solid	8015B NM	49652
MB 880-49652/1-A	Method Blank	Total/NA	Solid	8015B NM	49652
LCS 880-49652/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	49652
LCSD 880-49652/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	49652
890-4371-A-1-B MS	Matrix Spike	Total/NA	Solid	8015B NM	49652
890-4371-A-1-C MSD	Matrix Spike Duplicate	Total/NA	Solid	8015B NM	49652

HPLC/IC

Leach Batch: 48970

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-25879-1	TT-1 1'	Soluble	Solid	DI Leach	
880-25879-2	TT-1 2'	Soluble	Solid	DI Leach	
880-25879-3	TT-1 4'	Soluble	Solid	DI Leach	
880-25879-7	TT-2 1'	Soluble	Solid	DI Leach	
880-25879-8	TT-2 2'	Soluble	Solid	DI Leach	
880-25879-9	TT-2 4'	Soluble	Solid	DI Leach	
880-25879-11	TT-3 1'	Soluble	Solid	DI Leach	
880-25879-12	TT-3 2'	Soluble	Solid	DI Leach	
880-25879-13	TT-3 4'	Soluble	Solid	DI Leach	
880-25879-16	TT-4 1'	Soluble	Solid	DI Leach	
880-25879-17	TT-4 2'	Soluble	Solid	DI Leach	
880-25879-18	TT-4 4'	Soluble	Solid	DI Leach	
880-25879-21	TT-5 1'	Soluble	Solid	DI Leach	
880-25879-22	TT-5 2'	Soluble	Solid	DI Leach	
880-25879-23	TT-5 4'	Soluble	Solid	DI Leach	
MB 880-48970/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-48970/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-48970/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
880-25879-9 MS	TT-2 4'	Soluble	Solid	DI Leach	
880-25879-9 MSD	TT-2 4'	Soluble	Solid	DI Leach	

Leach Batch: 48971

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-25879-25	TT-6 1'	Soluble	Solid	DI Leach	
880-25879-26	TT-6 2'	Soluble	Solid	DI Leach	
880-25879-27	TT-6 4'	Soluble	Solid	DI Leach	
880-25879-29	TT-7 1'	Soluble	Solid	DI Leach	
880-25879-30	TT-7 2'	Soluble	Solid	DI Leach	
880-25879-31	TT-7 4'	Soluble	Solid	DI Leach	
880-25879-33	TT-8 1'	Soluble	Solid	DI Leach	
880-25879-34	TT-8 2'	Soluble	Solid	DI Leach	
880-25879-35	TT-8 4'	Soluble	Solid	DI Leach	
MB 880-48971/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-48971/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-48971/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
880-25879-25 MS	TT-6 1'	Soluble	Solid	DI Leach	
880-25879-25 MSD	TT-6 1'	Soluble	Solid	DI Leach	

Eurofins Midland

QC Association Summary

Client: Talon/LPE
Project/Site: Devon Carlsbad Fee #1

Job ID: 880-25879-1
SDG: Eddy Co. NM

HPLC/IC

Analysis Batch: 49464

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-25879-25	TT-6 1'	Soluble	Solid	300.0	48971
880-25879-26	TT-6 2'	Soluble	Solid	300.0	48971
880-25879-27	TT-6 4'	Soluble	Solid	300.0	48971
880-25879-29	TT-7 1'	Soluble	Solid	300.0	48971
880-25879-30	TT-7 2'	Soluble	Solid	300.0	48971
880-25879-31	TT-7 4'	Soluble	Solid	300.0	48971
880-25879-33	TT-8 1'	Soluble	Solid	300.0	48971
880-25879-34	TT-8 2'	Soluble	Solid	300.0	48971
880-25879-35	TT-8 4'	Soluble	Solid	300.0	48971
MB 880-48971/1-A	Method Blank	Soluble	Solid	300.0	48971
LCS 880-48971/2-A	Lab Control Sample	Soluble	Solid	300.0	48971
LCSD 880-48971/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	48971
880-25879-25 MS	TT-6 1'	Soluble	Solid	300.0	48971
880-25879-25 MSD	TT-6 1'	Soluble	Solid	300.0	48971

Analysis Batch: 49465

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-25879-1	TT-1 1'	Soluble	Solid	300.0	48970
880-25879-2	TT-1 2'	Soluble	Solid	300.0	48970
880-25879-3	TT-1 4'	Soluble	Solid	300.0	48970
880-25879-7	TT-2 1'	Soluble	Solid	300.0	48970
880-25879-8	TT-2 2'	Soluble	Solid	300.0	48970
880-25879-9	TT-2 4'	Soluble	Solid	300.0	48970
880-25879-11	TT-3 1'	Soluble	Solid	300.0	48970
880-25879-12	TT-3 2'	Soluble	Solid	300.0	48970
880-25879-13	TT-3 4'	Soluble	Solid	300.0	48970
880-25879-16	TT-4 1'	Soluble	Solid	300.0	48970
880-25879-17	TT-4 2'	Soluble	Solid	300.0	48970
880-25879-18	TT-4 4'	Soluble	Solid	300.0	48970
880-25879-21	TT-5 1'	Soluble	Solid	300.0	48970
880-25879-22	TT-5 2'	Soluble	Solid	300.0	48970
880-25879-23	TT-5 4'	Soluble	Solid	300.0	48970
MB 880-48970/1-A	Method Blank	Soluble	Solid	300.0	48970
LCS 880-48970/2-A	Lab Control Sample	Soluble	Solid	300.0	48970
LCSD 880-48970/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	48970
880-25879-9 MS	TT-2 4'	Soluble	Solid	300.0	48970
880-25879-9 MSD	TT-2 4'	Soluble	Solid	300.0	48970

Leach Batch: 50402

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-25879-4	TT-1 6'	Soluble	Solid	DI Leach	
880-25879-5	TT-1 8'	Soluble	Solid	DI Leach	
880-25879-6	TT-1 10'	Soluble	Solid	DI Leach	
880-25879-10	TT-2 6'	Soluble	Solid	DI Leach	
880-25879-14	TT-3 6'	Soluble	Solid	DI Leach	
880-25879-15	TT-3 8'	Soluble	Solid	DI Leach	
MB 880-50402/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-50402/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-50402/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
880-25879-14 MS	TT-3 6'	Soluble	Solid	DI Leach	
880-25879-14 MSD	TT-3 6'	Soluble	Solid	DI Leach	

Eurofins Midland

QC Association Summary

Client: Talon/LPE
Project/Site: Devon Carlsbad Fee #1

Job ID: 880-25879-1
SDG: Eddy Co. NM

HPLC/IC

Analysis Batch: 50408

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-25879-4	TT-1 6'	Soluble	Solid	300.0	50402
880-25879-5	TT-1 8'	Soluble	Solid	300.0	50402
880-25879-6	TT-1 10'	Soluble	Solid	300.0	50402
880-25879-10	TT-2 6'	Soluble	Solid	300.0	50402
880-25879-14	TT-3 6'	Soluble	Solid	300.0	50402
880-25879-15	TT-3 8'	Soluble	Solid	300.0	50402
MB 880-50402/1-A	Method Blank	Soluble	Solid	300.0	50402
LCS 880-50402/2-A	Lab Control Sample	Soluble	Solid	300.0	50402
LCSD 880-50402/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	50402
880-25879-14 MS	TT-3 6'	Soluble	Solid	300.0	50402
880-25879-14 MSD	TT-3 6'	Soluble	Solid	300.0	50402

Lab Chronicle

Client: Talon/LPE
Project/Site: Devon Carlsbad Fee #1

Job ID: 880-25879-1
SDG: Eddy Co. NM

Client Sample ID: TT-1 1'

Lab Sample ID: 880-25879-1

Date Collected: 03/13/23 08:30

Matrix: Solid

Date Received: 03/14/23 09:48

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	49330	03/23/23 13:22	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	49363	03/25/23 03:10	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			49458	03/27/23 10:35	SM	EET MID
Total/NA	Analysis	8015 NM		1			49055	03/20/23 18:04	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	48849	03/17/23 14:39	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	48876	03/18/23 12:57	SM	EET MID
Soluble	Leach	DI Leach			5 g	50 mL	48970	03/20/23 11:01	KS	EET MID
Soluble	Analysis	300.0		20	50 mL	50 mL	49465	03/24/23 11:34	SMC	EET MID

Client Sample ID: TT-1 2'

Lab Sample ID: 880-25879-2

Date Collected: 03/13/23 08:32

Matrix: Solid

Date Received: 03/14/23 09:48

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	49330	03/23/23 13:22	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	49363	03/25/23 03:37	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			49458	03/27/23 10:35	SM	EET MID
Total/NA	Analysis	8015 NM		1			49055	03/20/23 18:04	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	48849	03/17/23 14:39	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	48876	03/18/23 11:52	SM	EET MID
Soluble	Leach	DI Leach			5.04 g	50 mL	48970	03/20/23 11:01	KS	EET MID
Soluble	Analysis	300.0		5	50 mL	50 mL	49465	03/24/23 11:39	SMC	EET MID

Client Sample ID: TT-1 4'

Lab Sample ID: 880-25879-3

Date Collected: 03/13/23 08:35

Matrix: Solid

Date Received: 03/14/23 09:48

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	49330	03/23/23 13:22	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	49363	03/25/23 04:04	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			49458	03/27/23 10:35	SM	EET MID
Total/NA	Analysis	8015 NM		1			49055	03/20/23 18:04	SM	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	48849	03/17/23 14:39	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	48876	03/18/23 13:20	SM	EET MID
Soluble	Leach	DI Leach			4.98 g	50 mL	48970	03/20/23 11:01	KS	EET MID
Soluble	Analysis	300.0		5	50 mL	50 mL	49465	03/24/23 11:44	SMC	EET MID

Client Sample ID: TT-1 6'

Lab Sample ID: 880-25879-4

Date Collected: 03/13/23 08:38

Matrix: Solid

Date Received: 03/14/23 09:48

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			49055	03/29/23 12:10	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	49652	03/27/23 14:32	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	49691	03/29/23 02:44	SM	EET MID

Eurofins Midland

Lab Chronicle

Client: Talon/LPE
Project/Site: Devon Carlsbad Fee #1

Job ID: 880-25879-1
SDG: Eddy Co. NM

Client Sample ID: TT-1 6'**Date Collected: 03/13/23 08:38****Date Received: 03/14/23 09:48****Lab Sample ID: 880-25879-4****Matrix: Solid**

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 g	50 mL	50402	04/05/23 11:56	KS	EET MID
Soluble	Analysis	300.0		5	50 mL	50 mL	50408	04/05/23 14:33	SMC	EET MID

Client Sample ID: TT-1 8'**Date Collected: 03/13/23 08:40****Date Received: 03/14/23 09:48****Lab Sample ID: 880-25879-5****Matrix: Solid**

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8015 NM		1			49055	03/29/23 12:10	SM	EET MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	49652	03/27/23 14:32	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	49691	03/29/23 03:28	SM	EET MID
Soluble	Leach	DI Leach			5 g	50 mL	50402	04/05/23 11:56	KS	EET MID
Soluble	Analysis	300.0		5	50 mL	50 mL	50408	04/05/23 14:38	SMC	EET MID

Client Sample ID: TT-1 10'**Date Collected: 03/13/23 08:45****Date Received: 03/14/23 09:48****Lab Sample ID: 880-25879-6****Matrix: Solid**

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			4.95 g	50 mL	50402	04/05/23 11:56	KS	EET MID
Soluble	Analysis	300.0		5	50 mL	50 mL	50408	04/05/23 14:42	SMC	EET MID

Client Sample ID: TT-2 1'**Date Collected: 03/13/23 08:55****Date Received: 03/14/23 09:48****Lab Sample ID: 880-25879-7****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	49330	03/23/23 13:22	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	49363	03/25/23 05:52	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			49458	03/27/23 10:35	SM	EET MID
Total/NA	Analysis	8015 NM		1			49055	03/20/23 18:04	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	48849	03/17/23 14:39	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	48876	03/18/23 13:42	SM	EET MID
Soluble	Leach	DI Leach			4.99 g	50 mL	48970	03/20/23 11:01	KS	EET MID
Soluble	Analysis	300.0		10	50 mL	50 mL	49465	03/24/23 11:49	SMC	EET MID

Client Sample ID: TT-2 2'**Date Collected: 03/13/23 08:58****Date Received: 03/14/23 09:48****Lab Sample ID: 880-25879-8****Matrix: Solid**

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.03 g	5 mL	49330	03/23/23 13:22	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	49363	03/25/23 06:19	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			49458	03/27/23 10:35	SM	EET MID
Total/NA	Analysis	8015 NM		1			49055	03/20/23 18:20	SM	EET MID

Eurofins Midland

Lab Chronicle

Client: Talon/LPE
Project/Site: Devon Carlsbad Fee #1

Job ID: 880-25879-1
SDG: Eddy Co. NM

Client Sample ID: TT-2 2'

Date Collected: 03/13/23 08:58

Date Received: 03/14/23 09:48

Lab Sample ID: 880-25879-8

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	8015NM Prep			10.02 g	10 mL	48866	03/17/23 17:28	SM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	48874	03/18/23 11:52	AJ	EET MID
Soluble	Leach	DI Leach			5.03 g	50 mL	48970	03/20/23 11:01	KS	EET MID
Soluble	Analysis	300.0		10	50 mL	50 mL	49465	03/24/23 11:54	SMC	EET MID

Client Sample ID: TT-2 4'

Date Collected: 03/13/23 09:00

Date Received: 03/14/23 09:48

Lab Sample ID: 880-25879-9

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	49330	03/23/23 13:22	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	49363	03/25/23 06:45	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			49458	03/27/23 10:35	SM	EET MID
Total/NA	Analysis	8015 NM		1			49055	03/20/23 18:20	SM	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	48866	03/17/23 17:28	SM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	48874	03/18/23 12:57	AJ	EET MID
Soluble	Leach	DI Leach			5.04 g	50 mL	48970	03/20/23 11:01	KS	EET MID
Soluble	Analysis	300.0		5	50 mL	50 mL	49465	03/24/23 11:59	SMC	EET MID

Client Sample ID: TT-2 6'

Date Collected: 03/13/23 09:05

Date Received: 03/14/23 09:48

Lab Sample ID: 880-25879-10

Matrix: Solid

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 g	50 mL	50402	04/05/23 11:56	KS	EET MID
Soluble	Analysis	300.0		5	50 mL	50 mL	50408	04/05/23 14:47	SMC	EET MID

Client Sample ID: TT-3 1'

Date Collected: 03/13/23 09:15

Date Received: 03/14/23 09:48

Lab Sample ID: 880-25879-11

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			4.99 g	5 mL	49330	03/23/23 13:22	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	49363	03/25/23 09:00	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			49458	03/27/23 10:35	SM	EET MID
Total/NA	Analysis	8015 NM		1			49055	03/20/23 18:04	SM	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	48849	03/17/23 14:39	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	48876	03/18/23 14:04	SM	EET MID
Soluble	Leach	DI Leach			5.03 g	50 mL	48970	03/20/23 11:01	KS	EET MID
Soluble	Analysis	300.0		10	50 mL	50 mL	49465	03/24/23 12:13	SMC	EET MID

Eurofins Midland

Lab Chronicle

Client: Talon/LPE
Project/Site: Devon Carlsbad Fee #1

Job ID: 880-25879-1
SDG: Eddy Co. NM

Client Sample ID: TT-3 2'

Lab Sample ID: 880-25879-12

Date Collected: 03/13/23 09:18

Matrix: Solid

Date Received: 03/14/23 09:48

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	49330	03/23/23 13:22	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	49363	03/25/23 09:26	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			49458	03/27/23 10:35	SM	EET MID
Total/NA	Analysis	8015 NM		1			49055	03/20/23 18:04	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	48849	03/17/23 14:39	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	48876	03/18/23 14:25	SM	EET MID
Soluble	Leach	DI Leach			4.96 g	50 mL	48970	03/20/23 11:01	KS	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	49465	03/24/23 12:18	SMC	EET MID

Client Sample ID: TT-3 4'

Lab Sample ID: 880-25879-13

Date Collected: 03/13/23 09:20

Matrix: Solid

Date Received: 03/14/23 09:48

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	49330	03/23/23 13:22	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	49363	03/25/23 09:53	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			49458	03/27/23 10:35	SM	EET MID
Total/NA	Analysis	8015 NM		1			49055	03/20/23 18:04	SM	EET MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	48849	03/17/23 14:39	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	48876	03/18/23 14:47	SM	EET MID
Soluble	Leach	DI Leach			4.95 g	50 mL	48970	03/20/23 11:01	KS	EET MID
Soluble	Analysis	300.0		5	50 mL	50 mL	49465	03/24/23 12:33	SMC	EET MID

Client Sample ID: TT-3 6'

Lab Sample ID: 880-25879-14

Date Collected: 03/13/23 09:23

Matrix: Solid

Date Received: 03/14/23 09:48

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			4.99 g	50 mL	50402	04/05/23 11:56	KS	EET MID
Soluble	Analysis	300.0		5	50 mL	50 mL	50408	04/05/23 17:19	SMC	EET MID

Client Sample ID: TT-3 8'

Lab Sample ID: 880-25879-15

Date Collected: 03/13/23 09:25

Matrix: Solid

Date Received: 03/14/23 09:48

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			5.01 g	50 mL	50402	04/05/23 11:56	KS	EET MID
Soluble	Analysis	300.0		5	50 mL	50 mL	50408	04/05/23 15:05	SMC	EET MID

Eurofins Midland

Lab Chronicle

Client: Talon/LPE
Project/Site: Devon Carlsbad Fee #1

Job ID: 880-25879-1
SDG: Eddy Co. NM

Client Sample ID: TT-4 1'
Date Collected: 03/13/23 09:35
Date Received: 03/14/23 09:48

Lab Sample ID: 880-25879-16
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	49553	03/26/23 17:25	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	49531	03/27/23 01:34	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			49458	03/27/23 10:34	SM	EET MID
Total/NA	Analysis	8015 NM		1			49055	03/20/23 18:04	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	48849	03/17/23 14:39	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	48876	03/18/23 15:09	SM	EET MID
Soluble	Leach	DI Leach			4.95 g	50 mL	48970	03/20/23 11:01	KS	EET MID
Soluble	Analysis	300.0		5	50 mL	50 mL	49465	03/24/23 12:37	SMC	EET MID

Client Sample ID: TT-4 2'
Date Collected: 03/13/23 09:38
Date Received: 03/14/23 09:48

Lab Sample ID: 880-25879-17
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.03 g	5 mL	49330	03/23/23 13:22	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	49363	03/25/23 12:14	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			49458	03/27/23 10:35	SM	EET MID
Total/NA	Analysis	8015 NM		1			49055	03/20/23 18:04	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	48849	03/17/23 14:39	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	48876	03/18/23 15:31	SM	EET MID
Soluble	Leach	DI Leach			4.98 g	50 mL	48970	03/20/23 11:01	KS	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	49465	03/24/23 12:42	SMC	EET MID

Client Sample ID: TT-4 4'
Date Collected: 03/13/23 09:40
Date Received: 03/14/23 09:48

Lab Sample ID: 880-25879-18
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	49330	03/23/23 13:22	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	49363	03/25/23 12:41	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			49458	03/27/23 10:35	SM	EET MID
Total/NA	Analysis	8015 NM		1			49055	03/20/23 18:04	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	48849	03/17/23 14:39	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	48876	03/18/23 15:52	SM	EET MID
Soluble	Leach	DI Leach			5.02 g	50 mL	48970	03/20/23 11:01	KS	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	49465	03/24/23 12:47	SMC	EET MID

Client Sample ID: TT-5 1'
Date Collected: 03/13/23 10:00
Date Received: 03/14/23 09:48

Lab Sample ID: 880-25879-21
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.03 g	5 mL	49331	03/23/23 13:25	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	49375	03/24/23 13:04	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			49458	03/24/23 17:22	SM	EET MID

Eurofins Midland

Lab Chronicle

Client: Talon/LPE
Project/Site: Devon Carlsbad Fee #1

Job ID: 880-25879-1
SDG: Eddy Co. NM

Client Sample ID: TT-5 1'
Date Collected: 03/13/23 10:00
Date Received: 03/14/23 09:48

Lab Sample ID: 880-25879-21
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			49055	03/20/23 18:04	SM	EET MID
Total/NA	Prep	8015NM Prep			10.05 g	10 mL	48849	03/17/23 14:39	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	48876	03/18/23 16:35	SM	EET MID
Soluble	Leach	DI Leach			5.01 g	50 mL	48970	03/20/23 11:01	KS	EET MID
Soluble	Analysis	300.0		5	50 mL	50 mL	49465	03/24/23 12:52	SMC	EET MID

Client Sample ID: TT-5 2'
Date Collected: 03/13/23 10:02
Date Received: 03/14/23 09:48

Lab Sample ID: 880-25879-22
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	49331	03/23/23 13:25	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	49375	03/24/23 13:24	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			49458	03/24/23 17:22	SM	EET MID
Total/NA	Analysis	8015 NM		1			49055	03/20/23 18:04	SM	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	48849	03/17/23 14:39	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	48876	03/18/23 16:57	SM	EET MID
Soluble	Leach	DI Leach			5.03 g	50 mL	48970	03/20/23 11:01	KS	EET MID
Soluble	Analysis	300.0		5	50 mL	50 mL	49465	03/24/23 12:57	SMC	EET MID

Client Sample ID: TT-5 4'
Date Collected: 03/13/23 10:05
Date Received: 03/14/23 09:48

Lab Sample ID: 880-25879-23
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	49331	03/23/23 13:25	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	49375	03/24/23 13:45	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			49458	03/24/23 17:22	SM	EET MID
Total/NA	Analysis	8015 NM		1			49055	03/20/23 18:04	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	48849	03/17/23 14:39	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	48876	03/18/23 17:18	SM	EET MID
Soluble	Leach	DI Leach			5.03 g	50 mL	48970	03/20/23 11:01	KS	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	49465	03/24/23 13:02	SMC	EET MID

Client Sample ID: TT-6 1'
Date Collected: 03/13/23 11:00
Date Received: 03/14/23 09:48

Lab Sample ID: 880-25879-25
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.02 g	5 mL	49331	03/23/23 13:25	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	49375	03/24/23 14:26	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			49458	03/24/23 17:22	SM	EET MID
Total/NA	Analysis	8015 NM		1			49055	03/20/23 18:04	SM	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	48849	03/17/23 14:39	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	48876	03/18/23 17:40	SM	EET MID

Eurofins Midland

Lab Chronicle

Client: Talon/LPE
Project/Site: Devon Carlsbad Fee #1

Job ID: 880-25879-1
SDG: Eddy Co. NM

Client Sample ID: TT-6 1'
Date Collected: 03/13/23 11:00
Date Received: 03/14/23 09:48

Lab Sample ID: 880-25879-25
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			4.97 g	50 mL	48971	03/20/23 11:02	KS	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	49464	03/24/23 10:25	SMC	EET MID

Client Sample ID: TT-6 2'
Date Collected: 03/13/23 11:05
Date Received: 03/14/23 09:48

Lab Sample ID: 880-25879-26
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.03 g	5 mL	49331	03/23/23 13:25	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	49375	03/24/23 14:46	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			49458	03/24/23 17:22	SM	EET MID
Total/NA	Analysis	8015 NM		1			49055	03/20/23 18:04	SM	EET MID
Total/NA	Prep	8015NM Prep			10.05 g	10 mL	48849	03/17/23 14:39	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	48876	03/18/23 18:01	SM	EET MID
Soluble	Leach	DI Leach			5.03 g	50 mL	48971	03/20/23 11:02	KS	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	49464	03/24/23 10:39	SMC	EET MID

Client Sample ID: TT-6 4'
Date Collected: 03/13/23 11:10
Date Received: 03/14/23 09:48

Lab Sample ID: 880-25879-27
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	49331	03/23/23 13:25	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	49375	03/24/23 15:07	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			49458	03/24/23 17:22	SM	EET MID
Total/NA	Analysis	8015 NM		1			49055	03/20/23 18:04	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	48849	03/17/23 14:39	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	48876	03/18/23 18:22	SM	EET MID
Soluble	Leach	DI Leach			5.03 g	50 mL	48971	03/20/23 11:02	KS	EET MID
Soluble	Analysis	300.0		5	50 mL	50 mL	49464	03/24/23 10:44	SMC	EET MID

Client Sample ID: TT-7 1'
Date Collected: 03/13/23 11:30
Date Received: 03/14/23 09:48

Lab Sample ID: 880-25879-29
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	49331	03/23/23 13:25	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	49375	03/24/23 18:55	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			49458	03/25/23 16:16	SM	EET MID
Total/NA	Analysis	8015 NM		1			49055	03/20/23 18:04	SM	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	48849	03/17/23 14:39	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	48876	03/18/23 18:44	SM	EET MID
Soluble	Leach	DI Leach			5.05 g	50 mL	48971	03/20/23 11:02	KS	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	49464	03/24/23 10:49	SMC	EET MID

Lab Chronicle

Client: Talon/LPE
Project/Site: Devon Carlsbad Fee #1

Job ID: 880-25879-1
SDG: Eddy Co. NM

Client Sample ID: TT-7 2'

Lab Sample ID: 880-25879-30

Date Collected: 03/13/23 11:35

Matrix: Solid

Date Received: 03/14/23 09:48

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	49331	03/23/23 13:25	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	49375	03/24/23 19:15	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			49458	03/25/23 16:16	SM	EET MID
Total/NA	Analysis	8015 NM		1			49055	03/20/23 18:04	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	48849	03/17/23 14:39	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	48876	03/18/23 19:05	SM	EET MID
Soluble	Leach	DI Leach			4.99 g	50 mL	48971	03/20/23 11:02	KS	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	49464	03/24/23 10:54	SMC	EET MID

Client Sample ID: TT-7 4'

Lab Sample ID: 880-25879-31

Date Collected: 03/13/23 11:40

Matrix: Solid

Date Received: 03/14/23 09:48

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	49331	03/23/23 13:25	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	49375	03/24/23 19:36	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			49458	03/25/23 16:16	SM	EET MID
Total/NA	Analysis	8015 NM		1			49055	03/20/23 18:04	SM	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	48849	03/17/23 14:39	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	48876	03/18/23 19:27	SM	EET MID
Soluble	Leach	DI Leach			4.96 g	50 mL	48971	03/20/23 11:02	KS	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	49464	03/24/23 11:23	SMC	EET MID

Client Sample ID: TT-8 1'

Lab Sample ID: 880-25879-33

Date Collected: 03/13/23 12:10

Matrix: Solid

Date Received: 03/14/23 09:48

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	49331	03/23/23 13:25	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	49375	03/24/23 20:17	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			49458	03/25/23 16:16	SM	EET MID
Total/NA	Analysis	8015 NM		1			49055	03/20/23 18:04	SM	EET MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	48849	03/17/23 14:39	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	48876	03/18/23 19:48	SM	EET MID
Soluble	Leach	DI Leach			4.97 g	50 mL	48971	03/20/23 11:02	KS	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	49464	03/27/23 18:31	SMC	EET MID

Client Sample ID: TT-8 2'

Lab Sample ID: 880-25879-34

Date Collected: 03/13/23 12:15

Matrix: Solid

Date Received: 03/14/23 09:48

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	49331	03/23/23 13:25	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	49375	03/24/23 20:37	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			49458	03/25/23 16:16	SM	EET MID

Eurofins Midland

Lab Chronicle

Client: Talon/LPE
Project/Site: Devon Carlsbad Fee #1

Job ID: 880-25879-1
SDG: Eddy Co. NM

Client Sample ID: TT-8 2'
Date Collected: 03/13/23 12:15
Date Received: 03/14/23 09:48

Lab Sample ID: 880-25879-34
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			49055	03/20/23 18:20	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	48866	03/17/23 17:28	SM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	48874	03/18/23 13:20	AJ	EET MID
Soluble	Leach	DI Leach			5.02 g	50 mL	48971	03/20/23 11:02	KS	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	49464	03/27/23 18:35	SMC	EET MID

Client Sample ID: TT-8 4'
Date Collected: 03/13/23 12:20
Date Received: 03/14/23 09:48

Lab Sample ID: 880-25879-35
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.95 g	5 mL	49331	03/23/23 13:25	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	49375	03/24/23 20:58	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			49458	03/25/23 16:16	SM	EET MID
Total/NA	Analysis	8015 NM		1			49055	03/20/23 18:20	SM	EET MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	48866	03/17/23 17:28	SM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	48874	03/18/23 13:42	AJ	EET MID
Soluble	Leach	DI Leach			5.04 g	50 mL	48971	03/20/23 11:02	KS	EET MID
Soluble	Analysis	300.0		5	50 mL	50 mL	49464	03/24/23 11:18	SMC	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: Devon Carlsbad Fee #1

Job ID: 880-25879-1
SDG: Eddy 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	T104704400-22-25	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

- 1
- 2
- 3
- 4
- 5
- 6
- 7
- 8
- 9
- 10
- 11
- 12
- 13
- 14

Method Summary

Client: Talon/LPE
Project/Site: Devon Carlsbad Fee #1

Job ID: 880-25879-1
SDG: Eddy 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	EPA	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
EPA = US Environmental Protection Agency
SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.
TAL SOP = TestAmerica Laboratories, Standard Operating Procedure

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

Sample Summary

Client: Talon/LPE
Project/Site: Devon Carlsbad Fee #1

Job ID: 880-25879-1
SDG: Eddy Co. NM

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Depth
880-25879-1	TT-1 1'	Solid	03/13/23 08:30	03/14/23 09:48	1'
880-25879-2	TT-1 2'	Solid	03/13/23 08:32	03/14/23 09:48	2'
880-25879-3	TT-1 4'	Solid	03/13/23 08:35	03/14/23 09:48	4'
880-25879-4	TT-1 6'	Solid	03/13/23 08:38	03/14/23 09:48	6'
880-25879-5	TT-1 8'	Solid	03/13/23 08:40	03/14/23 09:48	8
880-25879-6	TT-1 10'	Solid	03/13/23 08:45	03/14/23 09:48	10
880-25879-7	TT-2 1'	Solid	03/13/23 08:55	03/14/23 09:48	1
880-25879-8	TT-2 2'	Solid	03/13/23 08:58	03/14/23 09:48	2
880-25879-9	TT-2 4'	Solid	03/13/23 09:00	03/14/23 09:48	4
880-25879-10	TT-2 6'	Solid	03/13/23 09:05	03/14/23 09:48	6
880-25879-11	TT-3 1'	Solid	03/13/23 09:15	03/14/23 09:48	1
880-25879-12	TT-3 2'	Solid	03/13/23 09:18	03/14/23 09:48	2
880-25879-13	TT-3 4'	Solid	03/13/23 09:20	03/14/23 09:48	4
880-25879-14	TT-3 6'	Solid	03/13/23 09:23	03/14/23 09:48	6
880-25879-15	TT-3 8'	Solid	03/13/23 09:25	03/14/23 09:48	8
880-25879-16	TT-4 1'	Solid	03/13/23 09:35	03/14/23 09:48	1
880-25879-17	TT-4 2'	Solid	03/13/23 09:38	03/14/23 09:48	2
880-25879-18	TT-4 4'	Solid	03/13/23 09:40	03/14/23 09:48	4
880-25879-21	TT-5 1'	Solid	03/13/23 10:00	03/14/23 09:48	1
880-25879-22	TT-5 2'	Solid	03/13/23 10:02	03/14/23 09:48	2
880-25879-23	TT-5 4'	Solid	03/13/23 10:05	03/14/23 09:48	4
880-25879-25	TT-6 1'	Solid	03/13/23 11:00	03/14/23 09:48	1
880-25879-26	TT-6 2'	Solid	03/13/23 11:05	03/14/23 09:48	2
880-25879-27	TT-6 4'	Solid	03/13/23 11:10	03/14/23 09:48	4
880-25879-29	TT-7 1'	Solid	03/13/23 11:30	03/14/23 09:48	1
880-25879-30	TT-7 2'	Solid	03/13/23 11:35	03/14/23 09:48	2
880-25879-31	TT-7 4'	Solid	03/13/23 11:40	03/14/23 09:48	4
880-25879-33	TT-8 1'	Solid	03/13/23 12:10	03/14/23 09:48	1
880-25879-34	TT-8 2'	Solid	03/13/23 12:15	03/14/23 09:48	2
880-25879-35	TT-8 4'	Solid	03/13/23 12:20	03/14/23 09:48	4



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) 794-1266
Hobbs, NM (575) 392-7550 Carlsbad, NM (575) 988-3199

Work Order No: 25871

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Project Manager	Kyle Taylor	Bill to: (if different)	
Company Name	Talon LPE	Company Name	
Address	408 W. Texas Ave	Address	
City, State ZIP	Artesia, NM	City, State ZIP	
Phone	505-210-5443	Email	

Work Order Comments	
Program: UST/PST <input type="checkbox"/> PRP <input type="checkbox"/> Brownfields <input type="checkbox"/> RRC <input type="checkbox"/> Superfund <input type="checkbox"/>	
State of Project:	
Reporting Level II <input type="checkbox"/> Level III <input type="checkbox"/> PST/UST <input type="checkbox"/> TRRP <input type="checkbox"/> Level IV <input type="checkbox"/>	
Deliverables EDD <input type="checkbox"/> ADAPT <input type="checkbox"/> Other	

Project Name	Duven Carlsbad Fee #1	Turn Around	
Project Number	700794.4SL01	<input checked="" type="checkbox"/> Routine <input type="checkbox"/> Rush	
Project Location	Edyco NM	Due Date	
Sampler's Name	K. Taylor	TAT starts the day received by the lab, if received by 4:30pm	
PO #			
SAMPLE RECEIPT			
Samples Received Intact:	Temp Blank: <input checked="" type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Wet Ice: <input checked="" type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
Cooler Custody Seals:	Yes <input checked="" type="checkbox"/> No <input checked="" type="checkbox"/> N/A	Thermometer ID:	
Sample Custody Seals:	Yes <input checked="" type="checkbox"/> No <input checked="" type="checkbox"/> N/A	Correction Factor:	
Total Containers:		Temperature Reading	0.4
		Corrected Temperature:	0.1
Sample Identification	Matrix	Date Sampled	Time Sampled
IT-1 1'	S	3-13-23	0836
IT-1 2'			0830
IT-1 4'			0835
IT-1 6'			0838
IT-1 8'			0840
IT-1 10'			0845
IT-2 1'			0855
IT-2 2'			0858
IT-2 4'			0900
IT-2 6'			0905
Parameters			
BTEX 8021 B			
TPH 8015 NM			
Chlorides 300.0			
ANALYSIS REQUEST			
Preservative Codes			
None NO DI Water H ₂ O			
Cool Cool MeOH Me			
HCL HC HNO ₃ HN			
H ₂ SO ₄ H ₂ NaOH Na			
H ₃ PO ₄ HP			
NaHSO ₄ NABIS			
Na ₂ S ₂ O ₃ NaSO ₃			
Zn Acetate+NaOH Zn			
NaOH+Ascorbic Acid SAPC			
Sample Comments	402		



880-25879 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 SiO₂ Na Sr Ti 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 Ti U Hg 1631 / 2451 / 7470 / 7471

Notes: 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.

Exceeds 600 mg/kg chlorides
of TPH, 10 mg/kg benzene, 50 mg/kg BTEX

Relinquished by: (Signature)	Received by: (Signature)	Date/Time	Relinquished by: (Signature)	Received by: (Signature)	Date/Time
		3/14/23			
		9:48			



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: 25879

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Page 2 of 4

Project Manager		Bill to: (if different)	
Company Name		Company Name	
Address		Address	
City, State ZIP		City, State ZIP	
Phone		Email	

Work Order Comments			
Program	UST/PST <input type="checkbox"/> PRP <input type="checkbox"/> Brownfields <input type="checkbox"/> RRC <input type="checkbox"/> Superfund <input type="checkbox"/>		
State of Project:			
Reporting	Level II <input type="checkbox"/> Level III <input type="checkbox"/> PST/UST <input type="checkbox"/> TRRP <input type="checkbox"/> Level IV <input type="checkbox"/>		
Deliverables:	EDD <input type="checkbox"/> ADAPT <input type="checkbox"/> Other <input type="checkbox"/>		

Project Name	Dawn Carlsbad EOP #1 Turn Around		Pres. Code	
Project Number		Due Date	<input type="checkbox"/> Routine <input type="checkbox"/> Rush	
Project Location		TAT starts the day received by the lab, if received by 4:30pm		
Sampler's Name:				
PO #				
SAMPLE RECEIPT	Temp Blank	Yes No	Wet/Le	Yes No
Samples Received Intact:	Yes No	Thermometer ID		
Cooler Custody Seals:	Yes No N/A	Correction Factor		
Sample Custody Seals:	Yes No N/A	Temperature Reading		
Total Containers:	Corrected Temperature:			

Sample Identification	Matrix	Date Sampled	Time Sampled	Depth	Grab/Comp	# of Cont	Parameters	ANALYSIS REQUEST	Preservative Codes	Sample Comments
TT-3 1'	S	3-17-23	0945	1	G	1	X	BTEX 8021B	None NO	DI Water H ₂ O
TT-3 2'		0918		2			X	TPH 8015 NM	Cool Cool	MeOH Me
TT-3 4'		0920		4			X	Chlorides 300.0	HCL HC	HNO ₃ HN
TT-3 6'		0943		6					H ₂ SO ₄ H ₂	NaOH Na
TT-3 8'		0925		8					H ₃ PO ₄ HP	
TT-4 1'		0935		1					NaHSO ₄ 4 NABIS	
TT-4 2'		0938		2					Na ₂ S ₂ O ₃ NaSO ₃	
TT-4 4'		0940		4					Zn Acetate+NaOH Zn	
TT-4 6'		0943		6					NaOH+Ascorbic Acid SAPC	
TT-4 8'		0945		8						

Run if 4' exceeds
Run if 6' exceeds

Run if 4' exceeds
Run if 6' exceeds

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 Ti 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 Ti U	Hg 1631 / 2451 / 7470 / 7471

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Relinquished by (Signature)	Received by (Signature)	Date/Time	Relinquished by (Signature)	Received by (Signature)	Date/Time
1. [Signature]	[Signature]	3/14/23	2. [Signature]		
3. [Signature]		que	4. [Signature]		
5. [Signature]			6. [Signature]		



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: 25879

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Project Manager		Bill to: (if different)	
Company Name		Company Name	
Address		Address	
City, State ZIP		City, State ZIP	
Phone		Email	

Work Order Comments	
Program:	UST/PST <input type="checkbox"/> PRP <input type="checkbox"/> Brownfields <input type="checkbox"/> RRC <input type="checkbox"/> Superfund <input type="checkbox"/>
State of Project:	
Reporting Level II	<input type="checkbox"/> Level III <input type="checkbox"/> PST/UST <input type="checkbox"/> TRRP <input type="checkbox"/> Level IV <input type="checkbox"/>
Deliverables:	EDD <input type="checkbox"/> ADAPT <input type="checkbox"/> Other

Project Name	Carlsbad Fee #1	Turn Around	Post Code	ANALYSIS REQUEST		Preservative Codes
Project Number		<input type="checkbox"/> Routine <input type="checkbox"/> Rush				None NO DI Water H ₂ O
Project Location		Due Date				Cool Cool MeOH Me
Sampler's Name		TAT starts the day received by the lab, if received by 4:30pm				HCL, HC HNO ₃ HN
PO #						H ₂ SO ₄ H ₂ NaOH Na
SAMPLE RECEIPT	Temp Blank:	Yes No	Wet Ice:	Yes No		H ₃ PO ₄ HP
Samples Received Intact:	Yes No	Thermometer ID:				NaHSO ₄ 4 NABIS
Cooler Custody Seals:	Yes No N/A	Correction Factor				Na ₂ S ₂ O ₃ NaSO ₃
Sample Custody Seals:	Yes No N/A	Temperature Reading				Zn Acetate+NaOH Zn
Total Containers		Corrected Temperature:				NaOH+Ascorbic Acid SAPC

Sample Identification	Matrix	Date Sampled	Time Sampled	Depth	Grab/Comp	# of Cont	Parameters	Sample Comments
IT-5	1	S	3-13-23	1000	1	G	1	BTEX 8021B
IT-5	2						1	TPH 8015 NM
IT-5	4						1	Chlorides 300.0
IT-5	6						1	
IT-6	1						1	
IT-6	2						1	
IT-6	4						1	
IT-6	6						1	
IT-7	1						1	
IT-7	2						1	
IT-7	4						1	
IT-7	6						1	

Total 2007 / 6010 2008 / 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 SIO₂ Na Sr Ti 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 Ti U Hg 1631 / 2451 / 7470 / 7471

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Relinquished by (Signature)	Received by (Signature)	Date/Time	Relinquished by (Signature)	Received by (Signature)	Date/Time
<i>[Signature]</i>	<i>[Signature]</i>	8/14/23			
		9:48			



Environment Testing
Xenco

Houston, TX (281) 240-4200, Dallas, TX (214) 902-0300
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Hobbs, NM (575) 392-7550, Carlsbad, NM (575) 988-3199

Chain of Custody

Work Order No: 25879

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Project Manager		Bill to (if different)	
Company Name		Company Name	
Address		Address	
City, State ZIP		City, State ZIP	
Phone		Email	

Work Order Comments	
Program: <input type="checkbox"/> UST/PST <input type="checkbox"/> PPP <input type="checkbox"/> Brownfields <input type="checkbox"/> RRC <input type="checkbox"/> Superfund <input type="checkbox"/>	
State of Project:	
Reporting: Level II <input type="checkbox"/> Level III <input type="checkbox"/> PST/UST <input type="checkbox"/> TRRP <input type="checkbox"/> Level IV <input type="checkbox"/>	
Deliverables: EDD <input type="checkbox"/> ADAPT <input type="checkbox"/> Other:	

Project Name:	Carlsbad Fee #1		Turn Around	Pres. Code	ANALYSIS REQUEST										Preservative Codes								
Project Number:			<input type="checkbox"/> Routine <input type="checkbox"/> Rush													None NO	DI Water H ₂ O						
Project Location:			Due Date													Cool Cool	MeOH Me						
Sample's Name:			TAT starts the day received by the lab, if received by 4:30pm													HCL, HC	HNO ₃ HN						
P.O. #																H ₂ SO ₄ H ₂	NaOH Na						
SAMPLE RECEIPT			Temp Blank:	Yes No	Wet Ice:	Yes No											H ₃ PO ₄ , HP						
Samples Received Intact:	Yes No	Thermometer ID															NaHSO ₄ NABIS						
Cooler Custody Seals:	Yes No N/A	Correction Factor															Na ₂ S ₂ O ₃ NaSO ₃						
Sample Custody Seals:	Yes No N/A	Temperature Reading															Zn Acetate+NaOH Zn						
Total Containers:		Corrected Temperature															NaOH+Ascorbic Acid SARC						
Sample Identification			Matrix	Date Sampled	Time Sampled	Depth	Grab/Comp	# of Cont	Parameters										Sample Comments				
IT-7	4'	S	3-18-23	1146	4		Q	1	X	X	X	BTEX 8021B										Loc: 880 25879	Run if 4' exceeds
IT-7	6'			1145	6							TPH 8015 NM											
IT-8	2'			1210	1							Chlorides 300.0											
IT-8	4'			1226	4																		
IT-8	6'			1225	6																	Run if 4' exceeds	

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 Ti Sn U V Zn	
Circle Method(s) and Metal(s) to be analyzed		TC1P / SPLP 6010		8RCRA Sb As Ba Be Cd Cr Co Cu Pb Mn Mo Ni Se Ag Ti U	Hg 1631 / 2451 / 7470 / 7471		
Relinquished by (Signature)		Received by (Signature)		Date/Time	Relinquished by (Signature)	Received by (Signature)	Date/Time
3/14/23		3/14/23		2			
6/4/2				4			
				6			

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Login Sample Receipt Checklist

Client: Talon/LPE

Job Number: 880-25879-1

SDG Number: Eddy Co. NM

Login Number: 25879

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	
TCEQ Mtd 1005 soil sample was frozen/delivered for prep within 48H of sampling.	N/A	



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

September 08, 2023

KAYLA TAYLOR

TALON LPE

408 W. TEXAS AVE.

ARTESIA, NM 88210

RE: CARLSBAD FEE 1

Enclosed are the results of analyses for samples received by the laboratory on 09/06/23 13:15.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-22-15. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (*). For a complete list of accredited analytes and matrices visit the TCEQ website at www.tceq.texas.gov/field/qa/lab_accred_certif.html.

Cardinal Laboratories is accredited through the State of Colorado Department of Public Health and Environment for:

Method EPA 552.2	Haloacetic Acids (HAA-5)
Method EPA 524.2	Total Trihalomethanes (TTHM)
Method EPA 524.4	Regulated VOCs (V1, V2, V3)

Accreditation applies to public drinking water matrices.

This report meets NELAP requirements and is made up of a cover page, analytical results, and a copy of the original chain-of-custody. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

A handwritten signature in black ink that reads "Celey D. Keene". The signature is fluid and cursive, with the first name "Celey" and last name "Keene" clearly distinguishable.

Celey D. Keene

Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

TALON LPE
 KAYLA TAYLOR
 408 W. TEXAS AVE.
 ARTESIA NM, 88210
 Fax To: (575) 745-8905

Received:	09/06/2023	Sampling Date:	08/30/2023
Reported:	09/08/2023	Sampling Type:	Soil
Project Name:	CARLSBAD FEE 1	Sampling Condition:	Cool & Intact
Project Number:	700794.01	Sample Received By:	Tamara Oldaker
Project Location:	DEVON - EDDY COUNTY		

Sample ID: TT - 1 @ 9.5' R (H234815-01)

BTEX 8021B			mg/kg		Analyzed By: MS				
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/07/2023	ND	1.77	88.7	2.00	7.68	
Toluene*	<0.050	0.050	09/07/2023	ND	1.83	91.3	2.00	7.01	
Ethylbenzene*	<0.050	0.050	09/07/2023	ND	1.81	90.6	2.00	7.84	
Total Xylenes*	<0.150	0.150	09/07/2023	ND	5.48	91.3	6.00	7.64	
Total BTEX	<0.300	0.300	09/07/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 113 % 71.5-134

Chloride, SM4500Cl-B			mg/kg		Analyzed By: AC				
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1260	16.0	09/07/2023	ND	432	108	400	3.64	

TPH 8015M			mg/kg		Analyzed By: MS				
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/06/2023	ND	195	97.3	200	0.486	
DRO >C10-C28*	<10.0	10.0	09/06/2023	ND	191	95.6	200	2.61	
EXT DRO >C28-C36	<10.0	10.0	09/06/2023	ND					

Surrogate: 1-Chlorooctane 73.6 % 48.2-134

Surrogate: 1-Chlorooctadecane 75.5 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

TALON LPE
 KAYLA TAYLOR
 408 W. TEXAS AVE.
 ARTESIA NM, 88210
 Fax To: (575) 745-8905

Received:	09/06/2023	Sampling Date:	08/30/2023
Reported:	09/08/2023	Sampling Type:	Soil
Project Name:	CARLSBAD FEE 1	Sampling Condition:	Cool & Intact
Project Number:	700794.01	Sample Received By:	Tamara Oldaker
Project Location:	DEVON - EDDY COUNTY		

Sample ID: TT - 2 @ 11' R (H234815-02)

BTEx 8021B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	09/07/2023	ND	1.77	88.7	2.00	7.68		
Toluene*	<0.050	0.050	09/07/2023	ND	1.83	91.3	2.00	7.01		
Ethylbenzene*	<0.050	0.050	09/07/2023	ND	1.81	90.6	2.00	7.84		
Total Xylenes*	<0.150	0.150	09/07/2023	ND	5.48	91.3	6.00	7.64		
Total BTEX	<0.300	0.300	09/07/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 115 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	1660	16.0	09/07/2023	ND	432	108	400	3.64		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/07/2023	ND	195	97.3	200	0.486	
DRO >C10-C28*	125	10.0	09/07/2023	ND	191	95.6	200	2.61	
EXT DRO >C28-C36	37.3	10.0	09/07/2023	ND					

Surrogate: 1-Chlorooctane 78.0 % 48.2-134

Surrogate: 1-Chlorooctadecane 84.3 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

TALON LPE
 KAYLA TAYLOR
 408 W. TEXAS AVE.
 ARTESIA NM, 88210
 Fax To: (575) 745-8905

Received:	09/06/2023	Sampling Date:	08/30/2023
Reported:	09/08/2023	Sampling Type:	Soil
Project Name:	CARLSBAD FEE 1	Sampling Condition:	Cool & Intact
Project Number:	700794.01	Sample Received By:	Tamara Oldaker
Project Location:	DEVON - EDDY COUNTY		

Sample ID: TT - 3 @ 10.5' R (H234815-03)

BTEx 8021B		mg/kg		Analyzed By: JH/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	09/07/2023	ND	2.00	99.9	2.00	0.798		
Toluene*	<0.050	0.050	09/07/2023	ND	1.99	99.4	2.00	6.58		
Ethylbenzene*	<0.050	0.050	09/07/2023	ND	2.09	105	2.00	0.404		
Total Xylenes*	<0.150	0.150	09/07/2023	ND	6.18	103	6.00	1.90		
Total BTEx	<0.300	0.300	09/07/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 112 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	1440	16.0	09/07/2023	ND	432	108	400	3.64		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/07/2023	ND	195	97.3	200	0.486	
DRO >C10-C28*	<10.0	10.0	09/07/2023	ND	191	95.6	200	2.61	
EXT DRO >C28-C36	<10.0	10.0	09/07/2023	ND					

Surrogate: 1-Chlorooctane 81.7 % 48.2-134

Surrogate: 1-Chlorooctadecane 85.0 % 49.1-148

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*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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Notes and Definitions

ND	Analyte NOT DETECTED at or above the reporting limit
RPD	Relative Percent Difference
**	Samples not received at proper temperature of 6°C or below.
***	Insufficient time to reach temperature.
-	Chloride by SM4500Cl-B does not require samples be received at or below 6°C Samples reported on an as received basis (wet) unless otherwise noted on report

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A handwritten signature in black ink, appearing to read "Celey D. Keene".

Celey D. Keene, Lab Director/Quality Manager



CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

101 East Marland, Hobbs, NM 88240
(575) 393-2326 FAX (575) 393-2476

[illegible]



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

March 14, 2024

CHAD HENSLEY

TALON LPE

408 W. TEXAS AVE.

ARTESIA, NM 88210

RE: CARLSBAD FEE #1

Enclosed are the results of analyses for samples received by the laboratory on 03/12/24 14:05.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-23-16. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (*). For a complete list of accredited analytes and matrices visit the TCEQ website at www.tceq.texas.gov/field/qa/lab_accred_certif.html.

Cardinal Laboratories is accredited through the State of Colorado Department of Public Health and Environment for:

Method EPA 552.2	Haloacetic Acids (HAA-5)
Method EPA 524.2	Total Trihalomethanes (TTHM)
Method EPA 524.4	Regulated VOCs (V1, V2, V3)

Accreditation applies to public drinking water matrices.

This report meets NELAP requirements and is made up of a cover page, analytical results, and a copy of the original chain-of-custody. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

A handwritten signature in black ink that reads "Celey D. Keene". The signature is written in a cursive style with a large, stylized 'C' and 'K'.

Celey D. Keene

Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

TALON LPE
CHAD HENSLEY
408 W. TEXAS AVE.
ARTESIA NM, 88210
Fax To: (575) 745-8905

Received: 03/12/2024
Reported: 03/14/2024
Project Name: CARLSBAD FEE #1
Project Number: 700794.451.01
Project Location: DEVON - EDDY COUNTY

Sampling Date: 03/06/2024
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Dionica Hinojos

Sample ID: BG - 1 1' (H241250-01)

BTX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/13/2024	ND	2.20	110	2.00	5.17	
Toluene*	<0.050	0.050	03/13/2024	ND	2.17	108	2.00	4.59	
Ethylbenzene*	<0.050	0.050	03/13/2024	ND	2.09	105	2.00	4.19	
Total Xylenes*	<0.150	0.150	03/13/2024	ND	6.32	105	6.00	3.87	
Total BTX	<0.300	0.300	03/13/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 103 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	320	16.0	03/13/2024	ND	464	116	400	3.51	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/13/2024	ND	207	103	200	1.65	
DRO >C10-C28*	<10.0	10.0	03/13/2024	ND	207	104	200	4.07	
EXT DRO >C28-C36	<10.0	10.0	03/13/2024	ND					

Surrogate: 1-Chlorooctane 90.2 % 48.2-134

Surrogate: 1-Chlorooctadecane 86.8 % 49.1-148

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*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

TALON LPE
CHAD HENSLEY
408 W. TEXAS AVE.
ARTESIA NM, 88210
Fax To: (575) 745-8905

Received: 03/12/2024
Reported: 03/14/2024
Project Name: CARLSBAD FEE #1
Project Number: 700794.451.01
Project Location: DEVON - EDDY COUNTY

Sampling Date: 03/06/2024
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Dionica Hinojos

Sample ID: BG - 2 1' (H241250-02)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	03/13/2024	ND	2.20	110	2.00	5.17		
Toluene*	<0.050	0.050	03/13/2024	ND	2.17	108	2.00	4.59		
Ethylbenzene*	<0.050	0.050	03/13/2024	ND	2.09	105	2.00	4.19		
Total Xylenes*	<0.150	0.150	03/13/2024	ND	6.32	105	6.00	3.87		
Total BTEX	<0.300	0.300	03/13/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 103 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	384	16.0	03/13/2024	ND	464	116	400	3.51		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/13/2024	ND	207	103	200	1.65	
DRO >C10-C28*	<10.0	10.0	03/13/2024	ND	207	104	200	4.07	
EXT DRO >C28-C36	<10.0	10.0	03/13/2024	ND					

Surrogate: 1-Chlorooctane 105 % 48.2-134

Surrogate: 1-Chlorooctadecane 102 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

TALON LPE
CHAD HENSLEY
408 W. TEXAS AVE.
ARTESIA NM, 88210
Fax To: (575) 745-8905

Received:	03/12/2024	Sampling Date:	03/06/2024
Reported:	03/14/2024	Sampling Type:	Soil
Project Name:	CARLSBAD FEE #1	Sampling Condition:	Cool & Intact
Project Number:	700794.451.01	Sample Received By:	Dionica Hinojos
Project Location:	DEVON - EDDY COUNTY		

Sample ID: BG - 3 1' (H241250-03)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	03/13/2024	ND	2.20	110	2.00	5.17		
Toluene*	<0.050	0.050	03/13/2024	ND	2.17	108	2.00	4.59		
Ethylbenzene*	<0.050	0.050	03/13/2024	ND	2.09	105	2.00	4.19		
Total Xylenes*	<0.150	0.150	03/13/2024	ND	6.32	105	6.00	3.87		
Total BTEX	<0.300	0.300	03/13/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 103 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	128	16.0	03/13/2024	ND	464	116	400	3.51		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/13/2024	ND	207	103	200	1.65	
DRO >C10-C28*	<10.0	10.0	03/13/2024	ND	207	104	200	4.07	
EXT DRO >C28-C36	<10.0	10.0	03/13/2024	ND					

Surrogate: 1-Chlorooctane 97.0 % 48.2-134

Surrogate: 1-Chlorooctadecane 93.1 % 49.1-148

Cardinal Laboratories

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Celey D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

TALON LPE
CHAD HENSLEY
408 W. TEXAS AVE.
ARTESIA NM, 88210
Fax To: (575) 745-8905

Received:	03/12/2024	Sampling Date:	03/06/2024
Reported:	03/14/2024	Sampling Type:	Soil
Project Name:	CARLSBAD FEE #1	Sampling Condition:	Cool & Intact
Project Number:	700794.451.01	Sample Received By:	Dionica Hinojos
Project Location:	DEVON - EDDY COUNTY		

Sample ID: BG - 4 1' (H241250-04)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	03/13/2024	ND	2.04	102	2.00	1.58		
Toluene*	<0.050	0.050	03/13/2024	ND	2.14	107	2.00	2.67		
Ethylbenzene*	<0.050	0.050	03/13/2024	ND	2.12	106	2.00	3.08		
Total Xylenes*	<0.150	0.150	03/13/2024	ND	6.43	107	6.00	3.18		
Total BTEX	<0.300	0.300	03/13/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 110 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	496	16.0	03/13/2024	ND	464	116	400	3.51		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/13/2024	ND	207	103	200	1.65	
DRO >C10-C28*	<10.0	10.0	03/13/2024	ND	207	104	200	4.07	
EXT DRO >C28-C36	<10.0	10.0	03/13/2024	ND					

Surrogate: 1-Chlorooctane 93.3 % 48.2-134

Surrogate: 1-Chlorooctadecane 90.3 % 49.1-148

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*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

TALON LPE
CHAD HENSLEY
408 W. TEXAS AVE.
ARTESIA NM, 88210
Fax To: (575) 745-8905

Received:	03/12/2024	Sampling Date:	03/06/2024
Reported:	03/14/2024	Sampling Type:	Soil
Project Name:	CARLSBAD FEE #1	Sampling Condition:	Cool & Intact
Project Number:	700794.451.01	Sample Received By:	Dionica Hinojos
Project Location:	DEVON - EDDY COUNTY		

Sample ID: BG - 5 1' (H241250-05)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	03/13/2024	ND	2.04	102	2.00	1.58		
Toluene*	<0.050	0.050	03/13/2024	ND	2.14	107	2.00	2.67		
Ethylbenzene*	<0.050	0.050	03/13/2024	ND	2.12	106	2.00	3.08		
Total Xylenes*	<0.150	0.150	03/13/2024	ND	6.43	107	6.00	3.18		
Total BTEx	<0.300	0.300	03/13/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 112 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	32.0	16.0	03/13/2024	ND	464	116	400	3.51		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/13/2024	ND	207	103	200	1.65	
DRO >C10-C28*	<10.0	10.0	03/13/2024	ND	207	104	200	4.07	
EXT DRO >C28-C36	<10.0	10.0	03/13/2024	ND					

Surrogate: 1-Chlorooctane 86.9 % 48.2-134

Surrogate: 1-Chlorooctadecane 84.6 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

TALON LPE
CHAD HENSLEY
408 W. TEXAS AVE.
ARTESIA NM, 88210
Fax To: (575) 745-8905

Received: 03/12/2024
Reported: 03/14/2024
Project Name: CARLSBAD FEE #1
Project Number: 700794.451.01
Project Location: DEVON - EDDY COUNTY

Sampling Date: 03/06/2024
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Dionica Hinojos

Sample ID: BG - 6 1' (H241250-06)

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/13/2024	ND	2.04	102	2.00	1.58	
Toluene*	<0.050	0.050	03/13/2024	ND	2.14	107	2.00	2.67	
Ethylbenzene*	<0.050	0.050	03/13/2024	ND	2.12	106	2.00	3.08	
Total Xylenes*	<0.150	0.150	03/13/2024	ND	6.43	107	6.00	3.18	
Total BTEX	<0.300	0.300	03/13/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 111 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	496	16.0	03/13/2024	ND	464	116	400	3.51	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/13/2024	ND	195	97.6	200	5.20	
DRO >C10-C28*	<10.0	10.0	03/13/2024	ND	207	104	200	2.64	
EXT DRO >C28-C36	<10.0	10.0	03/13/2024	ND					

Surrogate: 1-Chlorooctane 90.9 % 48.2-134

Surrogate: 1-Chlorooctadecane 80.6 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Notes and Definitions

ND	Analyte NOT DETECTED at or above the reporting limit
RPD	Relative Percent Difference
**	Samples not received at proper temperature of 6°C or below.
***	Insufficient time to reach temperature.
-	Chloride by SM4500Cl-B does not require samples be received at or below 6°C Samples reported on an as received basis (wet) unless otherwise noted on report

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A handwritten signature in black ink, appearing to read "Celey D. Keene", is written over a horizontal line.

Celey D. Keene, Lab Director/Quality Manager



CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

101 East Marland, Hobbs, NM 88240
(575) 393-2326 FAX (575) 393-2476

Company Name: Talon LPE		BILL TO		ANALYSIS REQUEST									
Project Manager: C. Hensley		P.O. #:											
Address: 408 W. Texas Ave		Company: Talon Lpe											
City: Artesia		Attn: C. Hensley											
Phone #: 575.746.8768		Address:											
Fax #: 575.746.8768		City:											
Project #: 700794.451.01		State: NM											
Project Owner: Devon		Zip: 88210											
Project Name: Carlsbad Fee 1		City:											
Project Location: Eddy County		State:											
Sampler Name: N. Rose		Phone #:											
		Fax #:											

FOR LAB USE ONLY		Lab I.D.		Sample I.D.																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																											
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Environment Testing

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ANALYTICAL REPORT

PREPARED FOR

Attn: Kayla Taylor
Talon/LPE
408 W. Texas St.
Artesia, New Mexico 88210

Generated 6/13/2024 5:20:33 PM

JOB DESCRIPTION

CARLSBAD FEE #1
700794.451.01

JOB NUMBER

890-6771-1

Eurofins Carlsbad
1089 N Canal St.
Carlsbad NM 88220



Eurofins Carlsbad

Job Notes

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

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

Authorization



Generated
6/13/2024 5:20:33 PM

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

Client: Talon/LPE
Project/Site: CARLSBAD FEE #1

Laboratory Job ID: 890-6771-1
SDG: 700794.451.01

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Definitions/Glossary

Client: Talon/LPE
Project/Site: CARLSBAD FEE #1

Job ID: 890-6771-1
SDG: 700794.451.01

Qualifiers

GC VOA

Qualifier	Qualifier Description
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.
*1	LCS/LCSD RPD exceeds control limits.
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: CARLSBAD FEE #1

Job ID: 890-6771-1

Job ID: 890-6771-1

Eurofins Carlsbad

Job Narrative 890-6771-1

Analytical test results meet all requirements of the associated regulatory program listed on the Accreditation/Certification Summary Page unless otherwise noted under the individual analysis. Data qualifiers are applied to indicate exceptions. Noncompliant quality control (QC) is further explained in narrative comments.

- Matrix QC may not be reported if insufficient sample or site-specific QC samples were not submitted. In these situations, to demonstrate precision and accuracy at a batch level, a LCS/LCSD may be performed, unless otherwise specified in the method.
- Surrogate and/or isotope dilution analyte recoveries (if applicable) which are outside of the QC window are confirmed unless attributed to a dilution or otherwise noted in the narrative.

Regulated compliance samples (e.g. SDWA, NPDES) must comply with the associated agency requirements/permits.

Receipt

The samples were received on 6/6/2024 4:40 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 5.8°C.

Receipt Exceptions

The following samples were received and analyzed from an unpreserved bulk soil jar: C- 1 (890-6771-1), C- 2 (890-6771-2), SW - 1 (890-6771-3), SW - 2 (890-6771-4), SW - 3 (890-6771-5) and SW - 4 (890-6771-6).

GC VOA

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

Diesel Range Organics

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 - Soluble: The matrix spike / matrix spike duplicate (MS/MSD) recoveries and precision for preparation batch 880-82779 and analytical batch 880-82808 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.

Eurofins Carlsbad

Client Sample Results

Client: Talon/LPE
Project/Site: CARLSBAD FEE #1

Job ID: 890-6771-1
SDG: 700794.451.01

Client Sample ID: C- 1

Lab Sample ID: 890-6771-1

Date Collected: 06/06/24 08:58

Matrix: Solid

Date Received: 06/06/24 16:40

Sample Depth: 2'

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199	mg/Kg		06/10/24 08:42	06/10/24 12:00	1
Toluene	<0.00199	U	0.00199	mg/Kg		06/10/24 08:42	06/10/24 12:00	1
Ethylbenzene	<0.00199	U	0.00199	mg/Kg		06/10/24 08:42	06/10/24 12:00	1
m-Xylene & p-Xylene	<0.00398	U	0.00398	mg/Kg		06/10/24 08:42	06/10/24 12:00	1
o-Xylene	<0.00199	U	0.00199	mg/Kg		06/10/24 08:42	06/10/24 12:00	1
Xylenes, Total	<0.00398	U	0.00398	mg/Kg		06/10/24 08:42	06/10/24 12:00	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	106		70 - 130	06/10/24 08:42	06/10/24 12:00	1
1,4-Difluorobenzene (Surr)	102		70 - 130	06/10/24 08:42	06/10/24 12:00	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398	mg/Kg			06/10/24 12:00	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0	mg/Kg			06/13/24 12:37	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0	mg/Kg		06/10/24 09:58	06/13/24 12:37	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0	mg/Kg		06/10/24 09:58	06/13/24 12:37	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0	mg/Kg		06/10/24 09:58	06/13/24 12:37	1
Total TPH	<50.0	U	50.0	mg/Kg		06/10/24 09:58	06/13/24 12:37	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	99		70 - 130	06/10/24 09:58	06/13/24 12:37	1
o-Terphenyl	96		70 - 130	06/10/24 09:58	06/13/24 12:37	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	378		24.9	mg/Kg			06/11/24 02:27	5

Client Sample ID: C- 2

Lab Sample ID: 890-6771-2

Date Collected: 06/06/24 09:04

Matrix: Solid

Date Received: 06/06/24 16:40

Sample Depth: 2'

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	mg/Kg		06/10/24 08:42	06/10/24 12:21	1
Toluene	<0.00200	U	0.00200	mg/Kg		06/10/24 08:42	06/10/24 12:21	1
Ethylbenzene	<0.00200	U	0.00200	mg/Kg		06/10/24 08:42	06/10/24 12:21	1
m-Xylene & p-Xylene	<0.00399	U	0.00399	mg/Kg		06/10/24 08:42	06/10/24 12:21	1
o-Xylene	<0.00200	U	0.00200	mg/Kg		06/10/24 08:42	06/10/24 12:21	1
Xylenes, Total	<0.00399	U	0.00399	mg/Kg		06/10/24 08:42	06/10/24 12:21	1

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Client Sample Results

Client: Talon/LPE
Project/Site: CARLSBAD FEE #1

Job ID: 890-6771-1
SDG: 700794.451.01

Client Sample ID: C- 2

Lab Sample ID: 890-6771-2

Date Collected: 06/06/24 09:04

Matrix: Solid

Date Received: 06/06/24 16:40

Sample Depth: 2'

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	102		70 - 130	06/10/24 08:42	06/10/24 12:21	1
1,4-Difluorobenzene (Surr)	101		70 - 130	06/10/24 08:42	06/10/24 12:21	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399	mg/Kg			06/10/24 12:21	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9	mg/Kg			06/13/24 12:53	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U *1 *-	49.9	mg/Kg		06/11/24 14:17	06/13/24 12:53	1
Diesel Range Organics (Over C10-C28)	<49.9	U *1 *-	49.9	mg/Kg		06/11/24 14:17	06/13/24 12:53	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9	mg/Kg		06/11/24 14:17	06/13/24 12:53	1
Total TPH	<49.9	U	49.9	mg/Kg		06/11/24 14:17	06/13/24 12:53	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	80		70 - 130	06/11/24 14:17	06/13/24 12:53	1
o-Terphenyl	75		70 - 130	06/11/24 14:17	06/13/24 12:53	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	387		25.2	mg/Kg			06/11/24 02:46	5

Client Sample ID: SW - 1

Lab Sample ID: 890-6771-3

Date Collected: 06/06/24 09:10

Matrix: Solid

Date Received: 06/06/24 16:40

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201	mg/Kg		06/10/24 08:42	06/10/24 12:41	1
Toluene	<0.00201	U	0.00201	mg/Kg		06/10/24 08:42	06/10/24 12:41	1
Ethylbenzene	<0.00201	U	0.00201	mg/Kg		06/10/24 08:42	06/10/24 12:41	1
m-Xylene & p-Xylene	<0.00402	U	0.00402	mg/Kg		06/10/24 08:42	06/10/24 12:41	1
o-Xylene	<0.00201	U	0.00201	mg/Kg		06/10/24 08:42	06/10/24 12:41	1
Xylenes, Total	<0.00402	U	0.00402	mg/Kg		06/10/24 08:42	06/10/24 12:41	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	107		70 - 130	06/10/24 08:42	06/10/24 12:41	1
1,4-Difluorobenzene (Surr)	102		70 - 130	06/10/24 08:42	06/10/24 12:41	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00402	U	0.00402	mg/Kg			06/10/24 12:41	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.8	U	49.8	mg/Kg			06/13/24 13:11	1

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Client Sample Results

Client: Talon/LPE
Project/Site: CARLSBAD FEE #1

Job ID: 890-6771-1
SDG: 700794.451.01

Client Sample ID: SW - 1

Date Collected: 06/06/24 09:10

Date Received: 06/06/24 16:40

Lab Sample ID: 890-6771-3

Matrix: Solid

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U *1 *	49.8	mg/Kg		06/11/24 14:17	06/13/24 13:11	1
Diesel Range Organics (Over C10-C28)	<49.8	U *1 *	49.8	mg/Kg		06/11/24 14:17	06/13/24 13:11	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8	mg/Kg		06/11/24 14:17	06/13/24 13:11	1
Total TPH	<49.8	U	49.8	mg/Kg		06/11/24 14:17	06/13/24 13:11	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	86		70 - 130	06/11/24 14:17	06/13/24 13:11	1
o-Terphenyl	80		70 - 130	06/11/24 14:17	06/13/24 13:11	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	323		25.3	mg/Kg			06/11/24 02:52	5

Client Sample ID: SW - 2

Date Collected: 06/06/24 09:15

Date Received: 06/06/24 16:40

Lab Sample ID: 890-6771-4

Matrix: Solid

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199	mg/Kg		06/10/24 08:42	06/10/24 13:02	1
Toluene	<0.00199	U	0.00199	mg/Kg		06/10/24 08:42	06/10/24 13:02	1
Ethylbenzene	<0.00199	U	0.00199	mg/Kg		06/10/24 08:42	06/10/24 13:02	1
m-Xylene & p-Xylene	<0.00398	U	0.00398	mg/Kg		06/10/24 08:42	06/10/24 13:02	1
o-Xylene	<0.00199	U	0.00199	mg/Kg		06/10/24 08:42	06/10/24 13:02	1
Xylenes, Total	<0.00398	U	0.00398	mg/Kg		06/10/24 08:42	06/10/24 13:02	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	106		70 - 130	06/10/24 08:42	06/10/24 13:02	1
1,4-Difluorobenzene (Surr)	102		70 - 130	06/10/24 08:42	06/10/24 13:02	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398	mg/Kg			06/10/24 13:02	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.6	U	49.6	mg/Kg			06/13/24 13:28	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.6	U *1 *	49.6	mg/Kg		06/11/24 14:17	06/13/24 13:28	1
Diesel Range Organics (Over C10-C28)	<49.6	U *1 *	49.6	mg/Kg		06/11/24 14:17	06/13/24 13:28	1
Oil Range Organics (Over C28-C36)	<49.6	U	49.6	mg/Kg		06/11/24 14:17	06/13/24 13:28	1
Total TPH	<49.6	U	49.6	mg/Kg		06/11/24 14:17	06/13/24 13:28	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	84		70 - 130	06/11/24 14:17	06/13/24 13:28	1
o-Terphenyl	75		70 - 130	06/11/24 14:17	06/13/24 13:28	1

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Client Sample Results

Client: Talon/LPE
Project/Site: CARLSBAD FEE #1

Job ID: 890-6771-1
SDG: 700794.451.01

Client Sample ID: SW - 2

Date Collected: 06/06/24 09:15

Date Received: 06/06/24 16:40

Lab Sample ID: 890-6771-4

Matrix: Solid

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	264		25.3	mg/Kg			06/11/24 02:59	5

Client Sample ID: SW - 3

Date Collected: 06/06/24 09:20

Date Received: 06/06/24 16:40

Lab Sample ID: 890-6771-5

Matrix: Solid

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	mg/Kg		06/10/24 08:42	06/10/24 13:22	1
Toluene	<0.00200	U	0.00200	mg/Kg		06/10/24 08:42	06/10/24 13:22	1
Ethylbenzene	<0.00200	U	0.00200	mg/Kg		06/10/24 08:42	06/10/24 13:22	1
m-Xylene & p-Xylene	<0.00400	U	0.00400	mg/Kg		06/10/24 08:42	06/10/24 13:22	1
o-Xylene	<0.00200	U	0.00200	mg/Kg		06/10/24 08:42	06/10/24 13:22	1
Xylenes, Total	<0.00400	U	0.00400	mg/Kg		06/10/24 08:42	06/10/24 13:22	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	104		70 - 130	06/10/24 08:42	06/10/24 13:22	1
1,4-Difluorobenzene (Surr)	101		70 - 130	06/10/24 08:42	06/10/24 13:22	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00400	U	0.00400	mg/Kg			06/10/24 13:22	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.7	U	49.7	mg/Kg			06/13/24 13:44	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.7	U *1 *-	49.7	mg/Kg		06/11/24 14:17	06/13/24 13:44	1
Diesel Range Organics (Over C10-C28)	<49.7	U *1 *-	49.7	mg/Kg		06/11/24 14:17	06/13/24 13:44	1
Oil Range Organics (Over C28-C36)	<49.7	U	49.7	mg/Kg		06/11/24 14:17	06/13/24 13:44	1
Total TPH	<49.7	U	49.7	mg/Kg		06/11/24 14:17	06/13/24 13:44	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	86		70 - 130	06/11/24 14:17	06/13/24 13:44	1
o-Terphenyl	81		70 - 130	06/11/24 14:17	06/13/24 13:44	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	236		4.98	mg/Kg			06/11/24 03:05	1

Client Sample ID: SW - 4

Date Collected: 06/06/24 09:25

Date Received: 06/06/24 16:40

Lab Sample ID: 890-6771-6

Matrix: Solid

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199	mg/Kg		06/10/24 08:42	06/10/24 13:43	1
Toluene	<0.00199	U	0.00199	mg/Kg		06/10/24 08:42	06/10/24 13:43	1

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Client Sample Results

Client: Talon/LPE
Project/Site: CARLSBAD FEE #1

Job ID: 890-6771-1
SDG: 700794.451.01

Client Sample ID: SW - 4

Lab Sample ID: 890-6771-6

Date Collected: 06/06/24 09:25

Matrix: Solid

Date Received: 06/06/24 16:40

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Ethylbenzene	<0.00199	U	0.00199	mg/Kg		06/10/24 08:42	06/10/24 13:43	1
m-Xylene & p-Xylene	<0.00398	U	0.00398	mg/Kg		06/10/24 08:42	06/10/24 13:43	1
o-Xylene	<0.00199	U	0.00199	mg/Kg		06/10/24 08:42	06/10/24 13:43	1
Xylenes, Total	<0.00398	U	0.00398	mg/Kg		06/10/24 08:42	06/10/24 13:43	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	104		70 - 130	06/10/24 08:42	06/10/24 13:43	1
1,4-Difluorobenzene (Surr)	101		70 - 130	06/10/24 08:42	06/10/24 13:43	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398	mg/Kg			06/10/24 13:43	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.7	U	49.7	mg/Kg			06/13/24 14:01	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.7	U	49.7	mg/Kg		06/10/24 09:58	06/13/24 14:01	1
Diesel Range Organics (Over C10-C28)	<49.7	U	49.7	mg/Kg		06/10/24 09:58	06/13/24 14:01	1
Oil Range Organics (Over C28-C36)	<49.7	U	49.7	mg/Kg		06/10/24 09:58	06/13/24 14:01	1
Total TPH	<49.7	U	49.7	mg/Kg		06/10/24 09:58	06/13/24 14:01	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	78		70 - 130	06/10/24 09:58	06/13/24 14:01	1
o-Terphenyl	74		70 - 130	06/10/24 09:58	06/13/24 14:01	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	500		24.9	mg/Kg			06/11/24 03:11	5

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Surrogate Summary

Client: Talon/LPE
Project/Site: CARLSBAD FEE #1

Job ID: 890-6771-1
SDG: 700794.451.01

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)
890-6771-1	C- 1	106	102
890-6771-1 MS	C- 1	102	99
890-6771-1 MSD	C- 1	102	100
890-6771-2	C- 2	102	101
890-6771-3	SW - 1	107	102
890-6771-4	SW - 2	106	102
890-6771-5	SW - 3	104	101
890-6771-6	SW - 4	104	101
LCS 880-82725/1-A	Lab Control Sample	102	100
LCSD 880-82725/2-A	Lab Control Sample Dup	100	99
MB 880-82725/5-A	Method Blank	102	97
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)
880-44536-A-1-C MS	Matrix Spike	94	75
880-44536-A-1-D MSD	Matrix Spike Duplicate	92	73
890-6771-1	C- 1	99	96
890-6771-2	C- 2	80	75
890-6771-3	SW - 1	86	80
890-6771-4	SW - 2	84	75
890-6771-5	SW - 3	86	81
890-6771-6	SW - 4	78	74
LCS 880-82915/2-A	Lab Control Sample	142 S1+	124
LCSD 880-82915/3-A	Lab Control Sample Dup	115	94
MB 880-82915/1-A	Method Blank	164 S1+	149 S1+
Surrogate Legend			
1CO = 1-Chlorooctane			
OTPH = o-Terphenyl			

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QC Sample Results

Client: Talon/LPE
Project/Site: CARLSBAD FEE #1

Job ID: 890-6771-1
SDG: 700794.451.01

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 880-82725/5-A

Matrix: Solid

Analysis Batch: 82719

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 82725

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	mg/Kg		06/10/24 08:42	06/10/24 11:39	1
Toluene	<0.00200	U	0.00200	mg/Kg		06/10/24 08:42	06/10/24 11:39	1
Ethylbenzene	<0.00200	U	0.00200	mg/Kg		06/10/24 08:42	06/10/24 11:39	1
m-Xylene & p-Xylene	<0.00400	U	0.00400	mg/Kg		06/10/24 08:42	06/10/24 11:39	1
o-Xylene	<0.00200	U	0.00200	mg/Kg		06/10/24 08:42	06/10/24 11:39	1
Xylenes, Total	<0.00400	U	0.00400	mg/Kg		06/10/24 08:42	06/10/24 11:39	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	102		70 - 130	06/10/24 08:42	06/10/24 11:39	1
1,4-Difluorobenzene (Surr)	97		70 - 130	06/10/24 08:42	06/10/24 11:39	1

Lab Sample ID: LCS 880-82725/1-A

Matrix: Solid

Analysis Batch: 82719

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 82725

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	0.100	0.1014		mg/Kg		101	70 - 130
Toluene	0.100	0.09534		mg/Kg		95	70 - 130
Ethylbenzene	0.100	0.09619		mg/Kg		96	70 - 130
m-Xylene & p-Xylene	0.200	0.2010		mg/Kg		100	70 - 130
o-Xylene	0.100	0.09931		mg/Kg		99	70 - 130

Surrogate	LCS %Recovery	LCS Qualifier	Limits
4-Bromofluorobenzene (Surr)	102		70 - 130
1,4-Difluorobenzene (Surr)	100		70 - 130

Lab Sample ID: LCSD 880-82725/2-A

Matrix: Solid

Analysis Batch: 82719

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 82725

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	0.100	0.1011		mg/Kg		101	70 - 130	0	35
Toluene	0.100	0.09496		mg/Kg		95	70 - 130	0	35
Ethylbenzene	0.100	0.09610		mg/Kg		96	70 - 130	0	35
m-Xylene & p-Xylene	0.200	0.2006		mg/Kg		100	70 - 130	0	35
o-Xylene	0.100	0.09956		mg/Kg		100	70 - 130	0	35

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	100		70 - 130
1,4-Difluorobenzene (Surr)	99		70 - 130

Lab Sample ID: 890-6771-1 MS

Matrix: Solid

Analysis Batch: 82719

Client Sample ID: C- 1

Prep Type: Total/NA

Prep Batch: 82725

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	<0.00199	U	0.0996	0.09515		mg/Kg		96	70 - 130
Toluene	<0.00199	U	0.0996	0.08875		mg/Kg		89	70 - 130

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QC Sample Results

Client: Talon/LPE
Project/Site: CARLSBAD FEE #1

Job ID: 890-6771-1
SDG: 700794.451.01

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

Lab Sample ID: 890-6771-1 MS

Matrix: Solid

Analysis Batch: 82719

Client Sample ID: C- 1

Prep Type: Total/NA

Prep Batch: 82725

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Ethylbenzene	<0.00199	U	0.0996	0.08871		mg/Kg		89	70 - 130
m-Xylene & p-Xylene	<0.00398	U	0.199	0.1857		mg/Kg		93	70 - 130
o-Xylene	<0.00199	U	0.0996	0.09176		mg/Kg		92	70 - 130

Surrogate	MS %Recovery	MS Qualifier	Limits
4-Bromofluorobenzene (Surr)	102		70 - 130
1,4-Difluorobenzene (Surr)	99		70 - 130

Lab Sample ID: 890-6771-1 MSD

Matrix: Solid

Analysis Batch: 82719

Client Sample ID: C- 1

Prep Type: Total/NA

Prep Batch: 82725

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	<0.00199	U	0.0990	0.09957		mg/Kg		101	70 - 130	5	35
Toluene	<0.00199	U	0.0990	0.09313		mg/Kg		94	70 - 130	5	35
Ethylbenzene	<0.00199	U	0.0990	0.09298		mg/Kg		94	70 - 130	5	35
m-Xylene & p-Xylene	<0.00398	U	0.198	0.1951		mg/Kg		99	70 - 130	5	35
o-Xylene	<0.00199	U	0.0990	0.09606		mg/Kg		97	70 - 130	5	35

Surrogate	MSD %Recovery	MSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	102		70 - 130
1,4-Difluorobenzene (Surr)	100		70 - 130

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

Lab Sample ID: MB 880-82915/1-A

Matrix: Solid

Analysis Batch: 83072

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 82915

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		06/11/24 14:17	06/13/24 08:28	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0	mg/Kg		06/11/24 14:17	06/13/24 08:28	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0	mg/Kg		06/11/24 14:17	06/13/24 08:28	1
Total TPH	<50.0	U	50.0	mg/Kg		06/11/24 14:17	06/13/24 08:28	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	164	S1+	70 - 130	06/11/24 14:17	06/13/24 08:28	1
o-Terphenyl	149	S1+	70 - 130	06/11/24 14:17	06/13/24 08:28	1

Lab Sample ID: LCS 880-82915/2-A

Matrix: Solid

Analysis Batch: 83072

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 82915

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics (GRO)-C6-C10	1000	547.3	*-	mg/Kg		55	70 - 130

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QC Sample Results

Client: Talon/LPE
Project/Site: CARLSBAD FEE #1

Job ID: 890-6771-1
SDG: 700794.451.01

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

Lab Sample ID: LCS 880-82915/2-A

Matrix: Solid

Analysis Batch: 83072

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 82915

Analyte			Spike	LCS	LCS	Unit	D	%Rec	%Rec		
			Added	Result	Qualifier				Limits		
Diesel Range Organics (Over C10-C28)			1000	554.3	*-	mg/Kg		55	70 - 130		
Surrogate	LCS		Limits								
	%Recovery	Qualifier									
1-Chlorooctane	142	S1+	70 - 130								
o-Terphenyl	124		70 - 130								

Lab Sample ID: LCSD 880-82915/3-A

Matrix: Solid

Analysis Batch: 83072

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 82915

Analyte			Spike	LCSD	LCSD	Unit	D	%Rec	%Rec	RPD	RPD
			Added	Result	Qualifier			Limits	Limits	Limit	
Gasoline Range Organics (GRO)-C6-C10			1000	970.1	*1	mg/Kg		97	70 - 130	56	20
Diesel Range Organics (Over C10-C28)			1000	955.0	*1	mg/Kg		95	70 - 130	53	20
Surrogate	LCSD %Recovery	LCSD Qualifier	Limits								
1-Chlorooctane	115		70 - 130								
o-Terphenyl	94		70 - 130								

Lab Sample ID: 880-44536-A-1-C MS

Matrix: Solid

Analysis Batch: 83072

Client Sample ID: Matrix Spike

Prep Type: Total/NA

Prep Batch: 82915

Analyte	Sample	Sample	Spike	MS	MS	Unit	D	%Rec	%Rec	Limits		
	Result	Qualifier	Added	Result	Qualifier							
Gasoline Range Organics (GRO)-C6-C10	<50.0	U *1 *-	1000	953.5		mg/Kg		95		70 - 130		
Diesel Range Organics (Over C10-C28)	<50.0	U *1 *-	1000	887.0		mg/Kg		89		70 - 130		
Surrogate	MS	MS										
	%Recovery	Qualifier	Limits									
1-Chlorooctane	94		70 - 130									
o-Terphenyl	75		70 - 130									

Lab Sample ID: 880-44536-A-1-D MSD

Matrix: Solid

Analysis Batch: 83072

Client Sample ID: Matrix Spike Duplicate

Prep Type: Total/NA

Prep Batch: 82915

	Sample	Sample	Spike	MSD	MSD				%Rec		RPD
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Gasoline Range Organics (GRO)-C6-C10	<50.0	U *1 *-	1000	879.2		mg/Kg		88	70 - 130	8	20
Diesel Range Organics (Over C10-C28)	<50.0	U *1 *-	1000	884.4		mg/Kg		88	70 - 130	0	20
Surrogate	MSD %Recovery	MSD Qualifier	Limits								
1-Chlorooctane	92		70 - 130								
o-Terphenyl	73		70 - 130								

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QC Sample Results

Client: Talon/LPE
Project/Site: CARLSBAD FEE #1

Job ID: 890-6771-1
SDG: 700794.451.01

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-82779/1-A

Matrix: Solid

Analysis Batch: 82808

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			06/11/24 01:30	1

Lab Sample ID: LCS 880-82779/2-A

Matrix: Solid

Analysis Batch: 82808

Client Sample ID: Lab Control Sample

Prep Type: Soluble

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	250	238.9		mg/Kg		96	90 - 110

Lab Sample ID: LCSD 880-82779/3-A

Matrix: Solid

Analysis Batch: 82808

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	242.7		mg/Kg		97	90 - 110	2	20

Lab Sample ID: 880-44525-A-12-B MS

Matrix: Solid

Analysis Batch: 82808

Client Sample ID: Matrix Spike

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	155	F1	251	431.6		mg/Kg		110	90 - 110

Lab Sample ID: 880-44525-A-12-D MSD

Matrix: Solid

Analysis Batch: 82808

Client Sample ID: Matrix Spike Duplicate

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	155	F1	251	438.2	F1	mg/Kg		113	90 - 110	2	20

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QC Association Summary

Client: Talon/LPE
Project/Site: CARLSBAD FEE #1

Job ID: 890-6771-1
SDG: 700794.451.01

GC VOA

Analysis Batch: 82719

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-6771-1	C- 1	Total/NA	Solid	8021B	82725
890-6771-2	C- 2	Total/NA	Solid	8021B	82725
890-6771-3	SW - 1	Total/NA	Solid	8021B	82725
890-6771-4	SW - 2	Total/NA	Solid	8021B	82725
890-6771-5	SW - 3	Total/NA	Solid	8021B	82725
890-6771-6	SW - 4	Total/NA	Solid	8021B	82725
MB 880-82725/5-A	Method Blank	Total/NA	Solid	8021B	82725
LCS 880-82725/1-A	Lab Control Sample	Total/NA	Solid	8021B	82725
LCSD 880-82725/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	82725
890-6771-1 MS	C- 1	Total/NA	Solid	8021B	82725
890-6771-1 MSD	C- 1	Total/NA	Solid	8021B	82725

Prep Batch: 82725

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-6771-1	C- 1	Total/NA	Solid	5035	
890-6771-2	C- 2	Total/NA	Solid	5035	
890-6771-3	SW - 1	Total/NA	Solid	5035	
890-6771-4	SW - 2	Total/NA	Solid	5035	
890-6771-5	SW - 3	Total/NA	Solid	5035	
890-6771-6	SW - 4	Total/NA	Solid	5035	
MB 880-82725/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-82725/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-82725/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
890-6771-1 MS	C- 1	Total/NA	Solid	5035	
890-6771-1 MSD	C- 1	Total/NA	Solid	5035	

Analysis Batch: 82853

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-6771-1	C- 1	Total/NA	Solid	Total BTEX	
890-6771-2	C- 2	Total/NA	Solid	Total BTEX	
890-6771-3	SW - 1	Total/NA	Solid	Total BTEX	
890-6771-4	SW - 2	Total/NA	Solid	Total BTEX	
890-6771-5	SW - 3	Total/NA	Solid	Total BTEX	
890-6771-6	SW - 4	Total/NA	Solid	Total BTEX	

GC Semi VOA

Prep Batch: 82765

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-6771-1	C- 1	Total/NA	Solid	8015NM Prep	
890-6771-6	SW - 4	Total/NA	Solid	8015NM Prep	

Prep Batch: 82915

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-6771-2	C- 2	Total/NA	Solid	8015NM Prep	
890-6771-3	SW - 1	Total/NA	Solid	8015NM Prep	
890-6771-4	SW - 2	Total/NA	Solid	8015NM Prep	
890-6771-5	SW - 3	Total/NA	Solid	8015NM Prep	
MB 880-82915/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-82915/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-82915/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	

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QC Association Summary

Client: Talon/LPE
Project/Site: CARLSBAD FEE #1

Job ID: 890-6771-1
SDG: 700794.451.01

GC Semi VOA (Continued)

Prep Batch: 82915 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-44536-A-1-C MS	Matrix Spike	Total/NA	Solid	8015NM Prep	
880-44536-A-1-D MSD	Matrix Spike Duplicate	Total/NA	Solid	8015NM Prep	

Analysis Batch: 83072

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-6771-1	C- 1	Total/NA	Solid	8015B NM	82765
890-6771-2	C- 2	Total/NA	Solid	8015B NM	82915
890-6771-3	SW - 1	Total/NA	Solid	8015B NM	82915
890-6771-4	SW - 2	Total/NA	Solid	8015B NM	82915
890-6771-5	SW - 3	Total/NA	Solid	8015B NM	82915
890-6771-6	SW - 4	Total/NA	Solid	8015B NM	82765
MB 880-82915/1-A	Method Blank	Total/NA	Solid	8015B NM	82915
LCS 880-82915/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	82915
LCSD 880-82915/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	82915
880-44536-A-1-C MS	Matrix Spike	Total/NA	Solid	8015B NM	82915
880-44536-A-1-D MSD	Matrix Spike Duplicate	Total/NA	Solid	8015B NM	82915

Analysis Batch: 83178

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-6771-1	C- 1	Total/NA	Solid	8015 NM	
890-6771-2	C- 2	Total/NA	Solid	8015 NM	
890-6771-3	SW - 1	Total/NA	Solid	8015 NM	
890-6771-4	SW - 2	Total/NA	Solid	8015 NM	
890-6771-5	SW - 3	Total/NA	Solid	8015 NM	
890-6771-6	SW - 4	Total/NA	Solid	8015 NM	

HPLC/IC

Leach Batch: 82779

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-6771-1	C- 1	Soluble	Solid	DI Leach	
890-6771-2	C- 2	Soluble	Solid	DI Leach	
890-6771-3	SW - 1	Soluble	Solid	DI Leach	
890-6771-4	SW - 2	Soluble	Solid	DI Leach	
890-6771-5	SW - 3	Soluble	Solid	DI Leach	
890-6771-6	SW - 4	Soluble	Solid	DI Leach	
MB 880-82779/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-82779/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-82779/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
880-44525-A-12-B MS	Matrix Spike	Soluble	Solid	DI Leach	
880-44525-A-12-D MSD	Matrix Spike Duplicate	Soluble	Solid	DI Leach	

Analysis Batch: 82808

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-6771-1	C- 1	Soluble	Solid	300.0	82779
890-6771-2	C- 2	Soluble	Solid	300.0	82779
890-6771-3	SW - 1	Soluble	Solid	300.0	82779
890-6771-4	SW - 2	Soluble	Solid	300.0	82779
890-6771-5	SW - 3	Soluble	Solid	300.0	82779
890-6771-6	SW - 4	Soluble	Solid	300.0	82779
MB 880-82779/1-A	Method Blank	Soluble	Solid	300.0	82779

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QC Association Summary

Client: Talon/LPE
Project/Site: CARLSBAD FEE #1

Job ID: 890-6771-1
SDG: 700794.451.01

HPLC/IC (Continued)

Analysis Batch: 82808 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCS 880-82779/2-A	Lab Control Sample	Soluble	Solid	300.0	82779
LCSD 880-82779/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	82779
880-44525-A-12-B MS	Matrix Spike	Soluble	Solid	300.0	82779
880-44525-A-12-D MSD	Matrix Spike Duplicate	Soluble	Solid	300.0	82779

Lab Chronicle

Client: Talon/LPE
Project/Site: CARLSBAD FEE #1

Job ID: 890-6771-1
SDG: 700794.451.01

Client Sample ID: C- 1**Lab Sample ID: 890-6771-1****Date Collected: 06/06/24 08:58****Matrix: Solid****Date Received: 06/06/24 16:40**

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	82725	06/10/24 08:42	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	82719	06/10/24 12:00	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			82853	06/10/24 12:00	SM	EET MID
Total/NA	Analysis	8015 NM		1			83178	06/13/24 12:37	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	82765	06/10/24 09:58	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	83072	06/13/24 12:37	AJ	EET MID
Soluble	Leach	DI Leach			5.02 g	50 mL	82779	06/10/24 11:25	SA	EET MID
Soluble	Analysis	300.0		5	50 mL	50 mL	82808	06/11/24 02:27	CH	EET MID

Client Sample ID: C- 2**Lab Sample ID: 890-6771-2****Date Collected: 06/06/24 09:04****Matrix: Solid****Date Received: 06/06/24 16:40**

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	82725	06/10/24 08:42	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	82719	06/10/24 12:21	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			82853	06/10/24 12:21	SM	EET MID
Total/NA	Analysis	8015 NM		1			83178	06/13/24 12:53	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	82915	06/11/24 14:17	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	83072	06/13/24 12:53	AJ	EET MID
Soluble	Leach	DI Leach			4.97 g	50 mL	82779	06/10/24 11:25	SA	EET MID
Soluble	Analysis	300.0		5	50 mL	50 mL	82808	06/11/24 02:46	CH	EET MID

Client Sample ID: SW - 1**Lab Sample ID: 890-6771-3****Date Collected: 06/06/24 09:10****Matrix: Solid****Date Received: 06/06/24 16:40**

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	82725	06/10/24 08:42	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	82719	06/10/24 12:41	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			82853	06/10/24 12:41	SM	EET MID
Total/NA	Analysis	8015 NM		1			83178	06/13/24 13:11	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	82915	06/11/24 14:17	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	83072	06/13/24 13:11	AJ	EET MID
Soluble	Leach	DI Leach			4.95 g	50 mL	82779	06/10/24 11:25	SA	EET MID
Soluble	Analysis	300.0		5	50 mL	50 mL	82808	06/11/24 02:52	CH	EET MID

Client Sample ID: SW - 2**Lab Sample ID: 890-6771-4****Date Collected: 06/06/24 09:15****Matrix: Solid****Date Received: 06/06/24 16:40**

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	82725	06/10/24 08:42	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	82719	06/10/24 13:02	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			82853	06/10/24 13:02	SM	EET MID

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Lab Chronicle

Client: Talon/LPE
Project/Site: CARLSBAD FEE #1

Job ID: 890-6771-1
SDG: 700794.451.01

Client Sample ID: SW - 2

Date Collected: 06/06/24 09:15

Date Received: 06/06/24 16:40

Lab Sample ID: 890-6771-4

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8015 NM		1			83178	06/13/24 13:28	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.08 g	10 mL	82915	06/11/24 14:17	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	83072	06/13/24 13:28	AJ	EET MID
Soluble	Leach	DI Leach			4.95 g	50 mL	82779	06/10/24 11:25	SA	EET MID
Soluble	Analysis	300.0		5	50 mL	50 mL	82808	06/11/24 02:59	CH	EET MID

Client Sample ID: SW - 3

Date Collected: 06/06/24 09:20

Date Received: 06/06/24 16:40

Lab Sample ID: 890-6771-5

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.999 g	5 mL	82725	06/10/24 08:42	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	82719	06/10/24 13:22	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			82853	06/10/24 13:22	SM	EET MID
Total/NA	Analysis	8015 NM		1			83178	06/13/24 13:44	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.07 g	10 mL	82915	06/11/24 14:17	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	83072	06/13/24 13:44	AJ	EET MID
Soluble	Leach	DI Leach			5.02 g	50 mL	82779	06/10/24 11:25	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	82808	06/11/24 03:05	CH	EET MID

Client Sample ID: SW - 4

Date Collected: 06/06/24 09:25

Date Received: 06/06/24 16:40

Lab Sample ID: 890-6771-6

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.02 g	5 mL	82725	06/10/24 08:42	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	82719	06/10/24 13:43	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			82853	06/10/24 13:43	SM	EET MID
Total/NA	Analysis	8015 NM		1			83178	06/13/24 14:01	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.07 g	10 mL	82765	06/10/24 09:58	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	83072	06/13/24 14:01	AJ	EET MID
Soluble	Leach	DI Leach			5.03 g	50 mL	82779	06/10/24 11:25	SA	EET MID
Soluble	Analysis	300.0		5	50 mL	50 mL	82808	06/11/24 03:11	CH	EET MID

Laboratory References:

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

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Accreditation/Certification Summary

Client: Talon/LPE
Project/Site: CARLSBAD FEE #1

Job ID: 890-6771-1
SDG: 700794.451.01

Laboratory: Eurofins Midland

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

Authority	Program	Identification Number	Expiration Date
Texas	NELAP	T104704400-23-26	06-30-24
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
8015B NM	8015NM Prep	Solid	Total TPH
Total BTEX		Solid	Total BTEX

Method Summary

Client: Talon/LPE
Project/Site: CARLSBAD FEE #1

Job ID: 890-6771-1
SDG: 700794.451.01

Method	Method Description	Protocol	Laboratory
8021B	Volatile Organic Compounds (GC)	SW846	EET MID
Total BTEX	Total BTEX Calculation	TAL SOP	EET MID
8015 NM	Diesel Range Organics (DRO) (GC)	SW846	EET MID
8015B NM	Diesel Range Organics (DRO) (GC)	SW846	EET MID
300.0	Anions, Ion Chromatography	EPA	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
EPA = US Environmental Protection Agency
SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.
TAL SOP = TestAmerica Laboratories, Standard Operating Procedure

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

Sample Summary

Client: Talon/LPE
Project/Site: CARLSBAD FEE #1

Job ID: 890-6771-1
SDG: 700794.451.01

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Depth
890-6771-1	C- 1	Solid	06/06/24 08:58	06/06/24 16:40	2'
890-6771-2	C- 2	Solid	06/06/24 09:04	06/06/24 16:40	2'
890-6771-3	SW - 1	Solid	06/06/24 09:10	06/06/24 16:40	
890-6771-4	SW - 2	Solid	06/06/24 09:15	06/06/24 16:40	
890-6771-5	SW - 3	Solid	06/06/24 09:20	06/06/24 16:40	
890-6771-6	SW - 4	Solid	06/06/24 09:25	06/06/24 16:40	

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Environment Testing

Houston, TX (281) 240-4200, Dallas, TX (214) 902-0300
Midland, TX (432) 704-4440, San Antonio, TX (210) 509-3334
El Paso, TX (915) 585-4443, Lubbock, TX (806) 784-1286
Hobbs, NM (575) 392-7550, Carlsbad, NM (575) 988-3199
Little Rock, AR (501) 224-5060

Chain of Custody

Work Order No:


Page 1 of 1

Project Manager:	Katya Taylor	Bill to: (if different)	Devon Energy
Company Name:	Talbn	Company Name:	dalewoodalldn.com
Address:	408 W Texas Ave	Address:	
City, State ZIP:	Artesia, NM	City, State ZIP:	
Phone:	432-210-5443	Email:	Katya@dalewoodalldn.com

Work Order Comments	
Program: UST/PST <input type="checkbox"/> PRP <input type="checkbox"/> Brownfields <input type="checkbox"/> RRC <input type="checkbox"/> Superfund <input type="checkbox"/>	
State of Project:	
Reporting: Level II <input type="checkbox"/> Level III <input type="checkbox"/> PST/UST <input type="checkbox"/> TRRP <input type="checkbox"/> Level IV <input type="checkbox"/>	
Deliverables: EDD <input type="checkbox"/> ADaPT <input type="checkbox"/> Other:	

Project Name:	Carsbad Floor #1	Tum Around	ANALYSIS REQUEST							Preservative Codes										
Project Number:	-700794-451.01	<input checked="" type="checkbox"/> Routine <input type="checkbox"/> Rush	Pes.																Age: NO	Dl Water: H ₂ O

Project Location:	Elmberg, NM
Sample's Name:	K-10015
Due Date:	
TAT starts the day received by TAT	0
Cool	MgOH-Me
HC	HNO ₃
N	NH ₄ NO ₃

PO #:	8108547	the lab, it received by 4:30pm	
SAMPLE RECEIPT	Tamp. Blank:	Yes <input checked="" type="radio"/> No <input type="radio"/>	Wet Ice: Yes <input type="radio"/> No <input type="radio"/>
	meters		
300		21	15
890-6771 Chain of Custody			
		4: HP	NAOH: NA
		20: NABIS	

Samples Received Intact:	Yes	No	Thermometer ID:	Paral	ides	80	80	Na ₂ SO ₃ ·Na ₂ SO ₃
Cooler Custody Seals:	Yes <td>No <td>N/A <td>Correction Factor:</td> <td>-0.2 <td></td> <td></td> <td>Zn Acetate+NaOH: Zn</td> </td></td></td>	No <td>N/A <td>Correction Factor:</td> <td>-0.2 <td></td> <td></td> <td>Zn Acetate+NaOH: Zn</td> </td></td>	N/A <td>Correction Factor:</td> <td>-0.2 <td></td> <td></td> <td>Zn Acetate+NaOH: Zn</td> </td>	Correction Factor:	-0.2 <td></td> <td></td> <td>Zn Acetate+NaOH: Zn</td>			Zn Acetate+NaOH: Zn
Sample Custody Seals:	Yes <td>No <td>N/A <td>Temperature Reading:</td> <td>5.0</td> <td></td> <td></td> <td></td> </td></td>	No <td>N/A <td>Temperature Reading:</td> <td>5.0</td> <td></td> <td></td> <td></td> </td>	N/A <td>Temperature Reading:</td> <td>5.0</td> <td></td> <td></td> <td></td>	Temperature Reading:	5.0			

Total Containers:		Corrected Temperature:		C. 8		Chlor BTE TPH	
Sample Identification	Matrix	Date Sampled	Time Sampled	Depth	Grab/Comp	# of Cont	
		Sample Comments					
							NaOH+Ascorbic Acid: SAPC

[illegible]

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 Ti 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 Ti U
			Hg: 163.1 / 245.1 / 247.0 / 247.1

Notice: Signature of this document and relinquishment of samples constitutes a valid purchase order from client company to Eurofins Xeno, its affiliates and subcontractors. It assigns standard terms and conditions of service. Eurofins Xeno 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 Xeno. A minimum charge of \$85.00 will be applied to each project and a charge of \$3 for each sample submitted to Eurofins Xeno, 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
<i>[Signature]</i>	<i>[Signature]</i>	6/6 16 46			

Download Date: 08/25/2020 09:20:00

Revised Date: 08/25/2020 Rev. 2020.:

Login Sample Receipt Checklist

Client: Talon/LPE

Job Number: 890-6771-1
SDG Number: 700794.451.01

Login Number: 6771

List Number: 1

Creator: Bruns, Shannon

List Source: Eurofins Carlsbad

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

Login Sample Receipt Checklist

Client: Talon/LPE

Job Number: 890-6771-1
SDG Number: 700794.451.01

Login Number: 6771

List Number: 2

Creator: Rodriguez, Leticia

List Source: Eurofins Midland

List Creation: 06/10/24 09:45 AM

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

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QUESTIONS

Action 362095

QUESTIONS

Operator: DEVON ENERGY PRODUCTION COMPANY, LP 333 West Sheridan Ave. Oklahoma City, OK 73102	OGRID:	6137
	Action Number:	362095
	Action Type:	[C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

Prerequisites	
Incident ID (n#)	nAPP2228659547
Incident Name	NAPP2228659547 CARLSBAD FEE #001 @ 30-015-41627
Incident Type	Oil Release
Incident Status	Remediation Closure Report Received
Incident Well	[30-015-41627] CARLSBAD FEE #001

Location of Release Source	
Please answer all the questions in this group.	
Site Name	CARLSBAD FEE #001
Date Release Discovered	10/13/2022
Surface Owner	Private

Incident Details	
Please answer all the questions in this group.	
Incident Type	Oil Release
Did this release result in a fire or is the result of a fire	No
Did this release result in any injuries	No
Has this release reached or does it have a reasonable probability of reaching a watercourse	No
Has this release endangered or does it have a reasonable probability of endangering public health	No
Has this release substantially damaged or will it substantially damage property or the environment	No
Is this release of a volume that is or may with reasonable probability be detrimental to fresh water	No

Nature and Volume of Release	
Material(s) released, please answer all that apply below. Any calculations or specific justifications for the volumes provided should be attached to the follow-up C-141 submission.	
Crude Oil Released (bbls) Details	Cause: Equipment Failure Valve Crude Oil Released: 7 BBL Recovered: 5 BBL Lost: 2 BBL.
Produced Water Released (bbls) Details	Cause: Equipment Failure Valve Produced Water Released: 4 BBL Recovered: 2 BBL Lost: 2 BBL.
Is the concentration of chloride in the produced water >10,000 mg/l	No
Condensate Released (bbls) Details	Not answered.
Natural Gas Vented (Mcf) Details	Not answered.
Natural Gas Flared (Mcf) Details	Not answered.
Other Released Details	Not answered.
Are there additional details for the questions above (i.e. any answer containing Other, Specify, Unknown, and/or Fire, or any negative lost amounts)	Crew arrived on location and found gate valve on BOP stack leaking out fluid into location. Immediately isolated leak by working valve closed vac truck called to recover fluids.

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QUESTIONS, Page 2

Action 362095

QUESTIONS (continued)

Operator: DEVON ENERGY PRODUCTION COMPANY, LP 333 West Sheridan Ave. Oklahoma City, OK 73102	OGRID:	6137
	Action Number:	362095
	Action Type:	[C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

Nature and Volume of Release (continued)	
Is this a gas only submission (i.e. only significant Mcf values reported)	No, according to supplied volumes this does not appear to be a "gas only" report.
Was this a major release as defined by Subsection A of 19.15.29.7 NMAC	No
Reasons why this would be considered a submission for a notification of a major release	Unavailable.
With the implementation of the 19.15.27 NMAC (05/25/2021), venting and/or flaring of natural gas (i.e. gas only) are to be submitted on the C-129 form.	

Initial Response

The responsible party must undertake the following actions immediately unless they could create a safety hazard that would result in injury.

The source of the release has been stopped	True
The impacted area has been secured to protect human health and the environment	True
Released materials have been contained via the use of berms or dikes, absorbent pads, or other containment devices	True
All free liquids and recoverable materials have been removed and managed appropriately	True
If all the actions described above have not been undertaken, explain why	Not answered.

Per Paragraph (4) of Subsection B of 19.15.29.8 NMAC the responsible party may commence remediation immediately after discovery of a release. If remediation has begun, please prepare and attach a narrative of actions to date in the follow-up C-141 submission. If remedial efforts have been successfully completed or if the release occurred within a lined containment area (see Subparagraph (a) of Paragraph (5) of Subsection A of 19.15.29.11 NMAC), please prepare and attach all information needed for closure evaluation in the follow-up C-141 submission.

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.

I hereby agree and sign off to the above statement	Name: Dale Woodall Title: EHS Professional Email: Dale.Woodall@dmn.com Date: 07/09/2024
--	--

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QUESTIONS, Page 3

Action 362095

QUESTIONS (continued)

Operator: DEVON ENERGY PRODUCTION COMPANY, LP 333 West Sheridan Ave. Oklahoma City, OK 73102	OGRID:	6137
	Action Number:	362095
	Action Type:	[C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS**Site Characterization**

Please answer all the questions in this group (only required when seeking remediation plan approval and beyond). 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 in feet below ground surface (ft bgs)	Between 75 and 100 (ft.)
What method was used to determine the depth to ground water	U.S. Geological Survey
Did this release impact groundwater or surface water	No
What is the minimum distance, between the closest lateral extents of the release and the following surface areas:	
A continuously flowing watercourse or any other significant watercourse	Between 1 and 5 (mi.)
Any lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark)	Between 1 and 5 (mi.)
An occupied permanent residence, school, hospital, institution, or church	Between 1 and 5 (mi.)
A spring or a private domestic fresh water well used by less than five households for domestic or stock watering purposes	Between 1 and 5 (mi.)
Any other fresh water well or spring	Between 1 and 5 (mi.)
Incorporated municipal boundaries or a defined municipal fresh water well field	Greater than 5 (mi.)
A wetland	Between 1 and 5 (mi.)
A subsurface mine	Between 1 and 5 (mi.)
An (non-karst) unstable area	Greater than 5 (mi.)
Categorize the risk of this well / site being in a karst geology	Medium
A 100-year floodplain	Between 1 and 5 (mi.)
Did the release impact areas not on an exploration, development, production, or storage site	Yes

Remediation Plan

Please answer all the questions that apply or are indicated. This information must be provided to the appropriate district office no later than 90 days after the release discovery date.

Requesting a remediation plan approval with this submission	Yes
Attach a comprehensive report demonstrating the lateral and vertical extents of soil contamination associated with the release have been determined, pursuant to 19.15.29.11 NMAC and 19.15.29.13 NMAC.	

Have the lateral and vertical extents of contamination been fully delineated	Yes
Was this release entirely contained within a lined containment area	No

Soil Contamination Sampling: (Provide the highest observable value for each, in milligrams per kilograms.)

Chloride	(EPA 300.0 or SM4500 Cl B)	4900
TPH (GRO+DRO+MRO)	(EPA SW-846 Method 8015M)	1073
GRO+DRO	(EPA SW-846 Method 8015M)	980
BTEX	(EPA SW-846 Method 8021B or 8260B)	0
Benzene	(EPA SW-846 Method 8021B or 8260B)	0

Per Subsection B of 19.15.29.11 NMAC unless the site characterization report includes completed efforts at remediation, the report must include a proposed remediation plan in accordance with 19.15.29.12 NMAC, which includes the anticipated timelines for beginning and completing the remediation.

On what estimated date will the remediation commence	06/03/2024
On what date will (or did) the final sampling or liner inspection occur	06/06/2024
On what date will (or was) the remediation complete(d)	06/03/2024
What is the estimated surface area (in square feet) that will be reclaimed	400
What is the estimated volume (in cubic yards) that will be reclaimed	12
What is the estimated surface area (in square feet) that will be remediated	400
What is the estimated volume (in cubic yards) that will be remediated	12

These estimated dates and measurements are recognized to be the best guess or calculation at the time of submission and may (be) change(d) over time as more remediation efforts are completed.

The OCD recognizes that proposed remediation measures may have to be minimally adjusted in accordance with the physical realities encountered during remediation. If the responsible party has any need to significantly deviate from the remediation plan proposed, then it should consult with the division to determine if another remediation plan submission is required.

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QUESTIONS, Page 4

Action 362095

QUESTIONS (continued)

Operator: DEVON ENERGY PRODUCTION COMPANY, LP 333 West Sheridan Ave. Oklahoma City, OK 73102	OGRID:	6137
	Action Number:	362095
	Action Type:	[C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

Remediation Plan (continued)	
<i>Please answer all the questions that apply or are indicated. This information must be provided to the appropriate district office no later than 90 days after the release discovery date.</i>	
This remediation will (or is expected to) utilize the following processes to remediate / reduce contaminants:	
<i>(Select all answers below that apply.)</i>	
(Ex Situ) Excavation and off-site disposal (i.e. dig and haul, hydrovac, etc.)	Yes
Which OCD approved facility will be used for off-site disposal	R360 ARTESIA LLC LANDFARM [FEEM0112340644]
OR which OCD approved well (API) will be used for off-site disposal	Not answered.
OR is the off-site disposal site, to be used, out-of-state	Not answered.
OR is the off-site disposal site, to be used, an NMED facility	Not answered.
(Ex Situ) Excavation and on-site remediation (i.e. On-Site Land Farms)	Not answered.
(In Situ) Soil Vapor Extraction	Not answered.
(In Situ) Chemical processing (i.e. Soil Shredding, Potassium Permanganate, etc.)	Not answered.
(In Situ) Biological processing (i.e. Microbes / Fertilizer, etc.)	Not answered.
(In Situ) Physical processing (i.e. Soil Washing, Gypsum, Disking, etc.)	Not answered.
Ground Water Abatement pursuant to 19.15.30 NMAC	Not answered.
OTHER (Non-listed remedial process)	Not answered.
<i>Per Subsection B of 19.15.29.11 NMAC unless the site characterization report includes completed efforts at remediation, the report must include a proposed remediation plan in accordance with 19.15.29.12 NMAC, which includes the anticipated timelines for beginning and completing the remediation.</i>	
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.	
I hereby agree and sign off to the above statement	Name: Dale Woodall Title: EHS Professional Email: Dale.Woodall@dmn.com Date: 07/11/2024
<i>The OCD recognizes that proposed remediation measures may have to be minimally adjusted in accordance with the physical realities encountered during remediation. If the responsible party has any need to significantly deviate from the remediation plan proposed, then it should consult with the division to determine if another remediation plan submission is required.</i>	

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QUESTIONS, Page 5

Action 362095

QUESTIONS (continued)

Operator: DEVON ENERGY PRODUCTION COMPANY, LP 333 West Sheridan Ave. Oklahoma City, OK 73102	OGRID:
	6137
	Action Number:
	362095
Action Type:	
[C-141] Remediation Closure Request C-141 (C-141-v-Closure)	

QUESTIONS

Deferral Requests Only	
Only answer the questions in this group if seeking a deferral upon approval this submission. Each of the following items must be confirmed as part of any request for deferral of remediation.	
Requesting a deferral of the remediation closure due date with the approval of this submission	No

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QUESTIONS, Page 6

Action 362095

QUESTIONS (continued)

Operator: DEVON ENERGY PRODUCTION COMPANY, LP 333 West Sheridan Ave. Oklahoma City, OK 73102	OGRID:	6137
	Action Number:	362095
	Action Type:	[C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

Sampling Event Information	
Last sampling notification (C-141N) recorded	350576
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	06/06/2024
What was the (estimated) number of samples that were to be gathered	6
What was the sampling surface area in square feet	324

Remediation Closure Request

Only answer the questions in this group if seeking remediation closure for this release because all remediation steps have been completed.

Requesting a remediation closure approval with this submission	Yes
Have the lateral and vertical extents of contamination been fully delineated	Yes
Was this release entirely contained within a lined containment area	No
All areas reasonably needed for production or subsequent drilling operations have been stabilized, returned to the sites existing grade, and have a soil cover that prevents ponding of water, minimizing dust and erosion	Yes
What was the total surface area (in square feet) remediated	400
What was the total volume (cubic yards) remediated	12
All areas not reasonably needed for production or subsequent drilling operations have been reclaimed to contain a minimum of four feet of non-waste contain earthen material with concentrations less than 600 mg/kg chlorides, 100 mg/kg TPH, 50 mg/kg BTEX, and 10 mg/kg Benzene	Yes
What was the total surface area (in square feet) reclaimed	7300
What was the total volume (in cubic yards) reclaimed	2975
Summarize any additional remediation activities not included by answers (above)	see this and previous reports

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 (in .pdf format) 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.

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.

I hereby agree and sign off to the above statement	Name: Dale Woodall Title: EHS Professional Email: Dale.Woodall@dmn.com Date: 07/11/2024
--	--

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

QUESTIONS, Page 7

Action 362095

QUESTIONS (continued)

Operator: DEVON ENERGY PRODUCTION COMPANY, LP 333 West Sheridan Ave. Oklahoma City, OK 73102	OGRID:
	6137
	Action Number:
	362095
Action Type:	
[C-141] Remediation Closure Request C-141 (C-141-v-Closure)	

QUESTIONS

Reclamation Report	
Only answer the questions in this group if all reclamation steps have been completed.	
Requesting a reclamation approval with this submission	No

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CONDITIONS

Action 362095

CONDITIONS

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CONDITIONS

Created By	Condition	Condition Date
scwells	None	8/21/2024