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Deferment Report #2 - Additional Delineation

Janie Conner CTB
Eddy County, New Mexico
Incident # NAPP2331157991

Prepared For:

Matador Resources
5347 N. 26th Street, 2nd Floor
Artesia, New Mexico 88210

Prepared By:

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

December 30, 2024



New Mexico Oil Conservation District

506 W. Texas Avenue
Artesia, New Mexico 88210

Subject: **Deferment Report**
Janie Conner CTB
Eddy County, New Mexico
Incident # NAPP2331157991

To Whom It May Concern,

Matador Resources contracted Talon/LPE, Ltd. (Talon) to complete assessment activities at the above referenced location. The incident description, soil sampling results, remedial actions, and an updated deferment request are presented herein.

Site Information

The Janie Conner CTB is located approximately one (1) mile southeast of Malaga, New Mexico. The legal location for this release is Unit Letter E, Section 14, Township 24 South, and Range 28 East in Eddy County, New Mexico. The latitude and longitude of the site is 32.2219, -104.05158. Site maps are presented in [Appendix I](#).

According to the soil survey provided by the United States Department of Agriculture National Resources Conservation Services, the soils in the area are made up of Karro loam, 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, 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 51 and 75 (ft bgs)
What method was used to determine the depth to groundwater?	Attached Document
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 500 and 1000
Distance from a spring or private domestic fresh water well used by less than five households for domestic or stock watering purposes.	Between 500 and 1000
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.	Between 1 and 5 mile
Distance from a wetland.	Between 1/2 and 1 mile
Distance from a subsurface mine.	Greater than 5 miles
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 500 and 1000
Did the release impact areas not on an exploration, development, production, or storage site?	No

On June 10, 2024, a temporary well was drilled to a depth of 55 feet bgs approximately 0.44 miles south of the site to conclusively determine the presence or absence of groundwater at that depth. See [Appendix III](#) for the boring log associated with C-04828 POD 1. Groundwater was not encountered at 55 feet bgs.

With a 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 November 7, 2023, approximately ten (10) barrels (bbls) of produced water were released onto the well pad due to a pump equipment failure. A vacuum truck was dispatched and three (3) bbls of produced water were recovered from the area. The release was reported to the NMOCD and was assigned incident # NAPP2331157991.

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

Site Assessment Activities

The release flowed from the source area and followed a preferential flowpath to the access road along the southern edge of the pad. This portion of the pad contained five (5) underground pipelines and an access road in late 2023. An additional two (2) aboveground lay flat lines were added to the area prior to the July 2024 delineation sampling.

On November 15, 2023, soil samples were collected from the site at five (5) locations in the release area. Sample locations were completed to a depth of one (1) to four (4) feet bgs. The sample location of S-5 located in the western portion of the release was below NMOCD closure criteria at all sampled depths and provided a horizontal delineation point. The sample locations S-1 through S-4 had documented total chloride impacts greater than 600 mg/kg in

the soil intervals but below 10,000 mg/kg. No detections of benzene, toluene, ethylbenzene, or xylenes (BTEX) or total petroleum hydrocarbons (TPH) were observed in the laboratory soil samples.

On December 7, 2023, soil samples TT-1, TT-2, and TT-3 were collected at depths from five (5) feet until refusal at eight (8) feet bgs. Total chloride concentrations exceeding 600 mg/kg but below 10,000 mg/kg were exhibited in the collected soil samples. There were no BTEX or TPH concentrations detected in the soil samples.

Initial soil samples were packaged in laboratory provided glassware, preserved on ice, and transported with the chain of custody to Envirotech Laboratories in Farmington, New Mexico, for analysis of Total Chlorides (300.0/9056A), Total Petroleum Hydrocarbons (TPH, EPA Method 8015D) and Volatile Organics (BTEX, EPA Method 8260B and Method 8021B).

On July 17, 2024, Talon personnel returned to the site to attempt vertical delineation and collect horizontal delineation samples at the site. Vertical delineation was attempted to define the chloride depth located at the site. The area of S-1 and S-8 were selected due to accessibility and completed to depths of 14 feet bgs. Horizontal delineation was achieved with the soil sample locations of S-9, S-10, and S-11. A background soil sample was collected from the location.

In October 2024, Matador Production Company (Matador) received an email correspondence from the OCD indicating that the OCD had rejected the Deferment Report dated August 1, 2024. This report was submitted by Talon on behalf of Matador. The OCD denied the deferral indicating the sampling points S-9, S-10, and S-11 required further delineation to 600 mg/kg chlorides and 100 mg/kg TPH to define the edges of the release.

Based on the OCD's request, Talon personnel returned to the site on October 28, 2024, to complete horizontal delineation around sample points S-9, S-10 and S-11 to the OCD lower criteria limits. A total of four (4) additional soil borings were completed at the following locations:

- D-1 located on the north side of the tank battery opposite the release location and sample S-1,
- D-2 located east of sample S-9,
- D-3 located south of sample S-10, and
- D-4 located west of sample S-11.

Sample locations are shown on the attached Figure 1, [Appendix I](#).

The soil sample results reported that Chloride, TPH, and BTEX concentrations in soils were below the lowest recommended OCD criteria, therefore delineation is complete.

Horizontal delineation soil samples were transported with the chain of custody to Cardinal Laboratories in Hobbs, New Mexico, for analysis of Chlorides (SM4500Cl-B), Total Petroleum Hydrocarbons (TPH, EPA Method 8015M) and Volatile Organics (BTEX, EPA Method 8021B).

Results from the sampling events are presented in Table 1 in [Appendix II](#) and the complete laboratory reports can be found in [Appendix V](#). Sample locations are shown on the attached [Figure 1](#) in [Appendix I](#).

Site Assessment Summary

- None of these samples collected for this investigation exhibited exceedances of OCD Table 1 criteria for closure of soils impacted by release. Therefore, no remedial actions were undertaken.
- As requested by the OCD, lateral delineation samples were collected around the edge of the release (samples D-1 thru D-4). Based on the laboratory analytical data, none of these samples exceeded 600 mg/kg for Total Chlorides or 100 mg/kg for TPH.
- Based on the analytical data for the initial and subsequent sample events completed for this project, the release area is being requested for deferment until the onsite equipment and infrastructure is removed.
- Photographic documentation is provided in [Appendix IV](#).

Deferment Request

Based on the site assessment and characterization data collected for this project, on behalf of Matador Resources, we respectfully request that no further actions be required at this time and that the remediation of this incident be deferred until facility closure.

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

Respectfully submitted,
Talon/LPE, Ltd.

J. Yvette Moore

J. Yvette Moore

Environmental Specialist II

David J. Adkins

David J. Adkins

Regional Manager

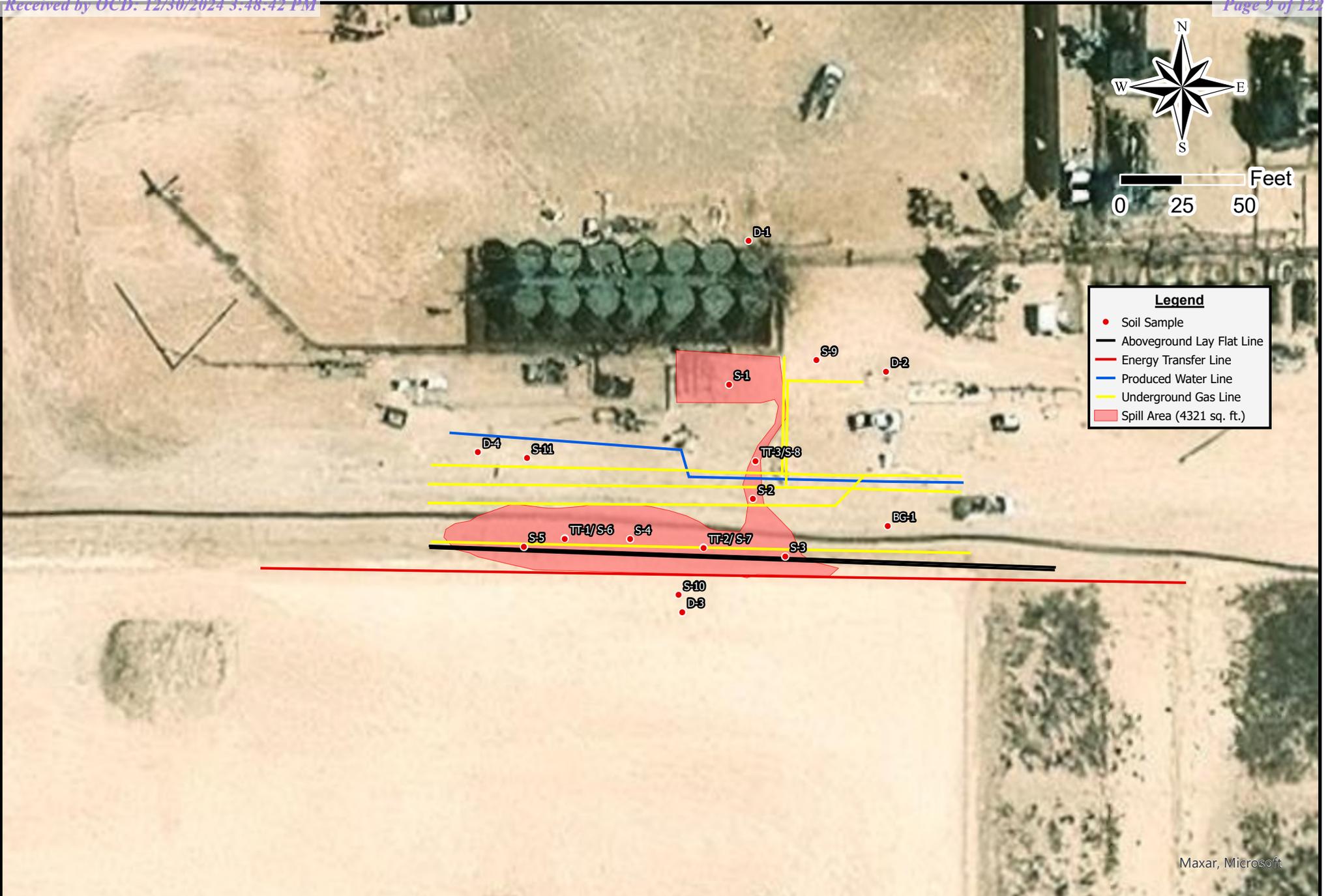
Attachments:

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



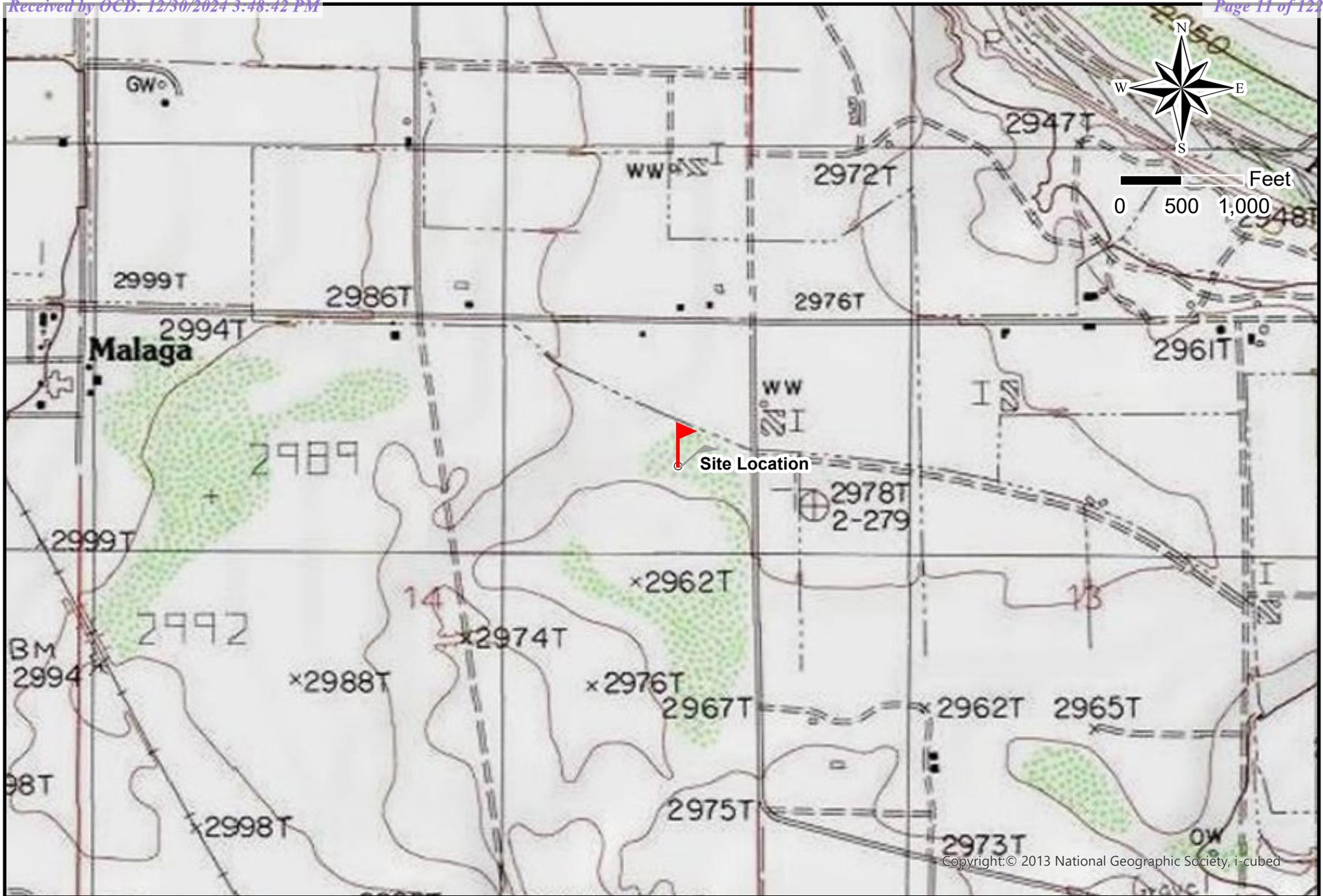
Drafted: 12/26/2024
 1 in = 50 ft
 Drafted By: JAI

Matador Resources
 Janie Conner CTB
 Eddy County, New Mexico
 GPS: 32.22190, -104.05158
 Figure 1 - Site Assessment Map



Drafted: 7/30/2024
 1 in = 500 ft
 Drafted By: JAI

Matador Resources
 Janie Conner CTB
 Eddy County, New Mexico
 GPS: 32.22190, -104.05158
 Figure 2 - Site Location Map

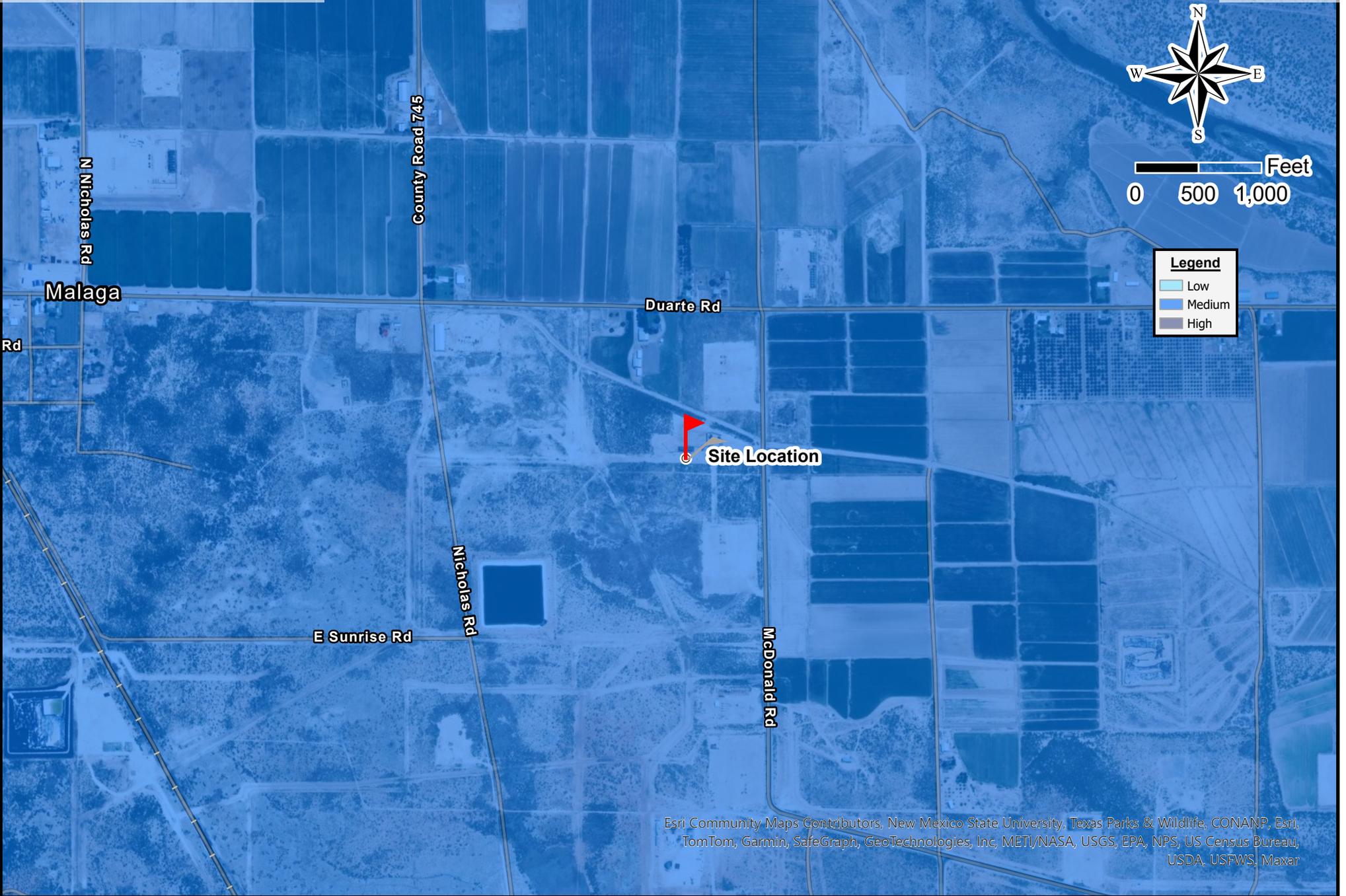


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Drafted: 7/30/2024
 1 in = 1,000 ft
 Drafted By: JAI

Matador Resources
 Janie Conner CTB
 Eddy County, New Mexico
 GPS: 32.22190, -104.05158
 Figure 3 - Topographic Map



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



Drafted: 7/30/2024
 1 in = 1,000 ft
 Drafted By: JAI

Matador Resources
 Janie Conner CTB
 Eddy County, New Mexico
 GPS: 32.22190, -104.05158
 Figure 4 - Karst Map



APPENDIX II

Tables

Table 1
Site Assessment Data Summary

Janie Connor CTB									
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
BG-1	7/18/2024	1'	ND	ND	ND	ND	ND	-	1580
S-1	11/15/2023	1'	ND	ND	ND	ND	ND	-	1480
	11/15/2023	2'	ND	ND	ND	ND	ND	-	3040
	11/15/2023	4'	ND	ND	ND	ND	ND	-	2130
	7/17/2024	4'	ND	ND	ND	ND	ND	-	1540
	7/17/2024	6'	ND	ND	ND	ND	ND	-	944
	7/17/2024	8'	ND	ND	ND	ND	ND	-	368
	7/17/2024	10'	ND	ND	ND	ND	ND	-	928
	7/17/2024	12'	ND	ND	ND	ND	ND	-	1460
S-2	11/15/2023	1'	ND	ND	ND	ND	ND	-	2770
	11/15/2023	2'	ND	ND	ND	ND	ND	-	2760
	11/15/2023	4'	ND	ND	ND	ND	ND	-	3380
S-3	11/15/2023	1'	ND	ND	ND	ND	ND	-	2770
	11/15/2023	2'	ND	ND	ND	ND	ND	-	2810
	11/15/2023	4'	ND	ND	ND	ND	ND	-	3080
S-4	11/15/2023	1'	ND	ND	ND	ND	ND	-	4450
	11/15/2023	2'	ND	ND	ND	ND	ND	-	2970
	11/15/2023	4'	ND	ND	ND	ND	ND	-	1240
S-5	11/15/2023	1'	ND	ND	ND	ND	ND	-	391
	11/15/2023	2'	ND	ND	ND	ND	ND	-	339
	11/15/2023	4'	ND	ND	ND	ND	ND	-	599
TT-1/S-6	12/8/2023	5'	ND	ND	ND	ND	ND	-	9980
	12/8/2023	6'	ND	ND	ND	ND	ND	-	6000
	12/8/2023	8'R	ND	ND	ND	ND	ND	-	8580

Table 1
Site Assessment Data Summary

Janie Connor CTB									
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-2/S-7	12/8/2023	5'	ND	ND	ND	ND	ND	-	4730
	12/8/2023	6'	ND	ND	ND	ND	ND	-	3210
	12/8/2023	8'R	ND	ND	ND	ND	ND	-	3780
TT-3/S-8	12/8/2023	5'	ND	ND	ND	ND	ND	-	3890
	12/8/2023	6'	ND	ND	ND	ND	ND	-	2790
	12/8/2023	8'R	ND	ND	ND	ND	ND	-	831
	7/17/2024	10'	ND	ND	ND	207	23.1	230.1	1520
	7/17/2024	12'	ND	ND	ND	145	15.5	160.5	1840
	7/17/2024	14'	ND	ND	14.6	306	49.8	370.9	2120
S-9	7/17/2024	1'R	ND	ND	ND	ND	ND	-	1220
S-10	7/17/2024	1'	ND	ND	ND	ND	ND	-	912
	7/17/2024	2'	ND	ND	ND	ND	ND	-	976
S-11	7/17/2024	1'R	ND	ND	ND	ND	ND	-	640
D-1	10/28/2024	1'	ND	ND	ND	ND	ND	-	240
		2'	ND	ND	ND	ND	ND	-	208
D-2	10/28/2024	1'	ND	ND	ND	ND	ND	-	112
		2'	ND	ND	ND	ND	ND	-	240
D-3	10/28/2024	1'	ND	ND	ND	ND	ND	-	32
		2'	ND	ND	ND	ND	ND	-	368
D-4	10/28/2024	1'	ND	ND	ND	ND	ND	-	96
		2'	ND	ND	ND	ND	ND	-	128

NOTES:

- BGS** Below ground surface
- mg/kg** Milligrams per kilogram
- TPH** Total Petroleum Hydrocarbons
- DRO** Diesel range organics
- MRO** Motor oil range organics

Highlighted cells indicate exceedance of NMOCD Table 1 Closure Criteria

Table 1
Site Assessment Data Summary

Janie Connor CTB									
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

- S** Sample
- C** Confirmation Sample
- SW** Sidewall Sample
- TT** Test Trench
- R** Refusal
- ND** Analyte Not Detected
- NT** Analyte Not Tested
- D** Delineation



APPENDIX III
Site Characterization



WELL RECORD & LOG

OFFICE OF THE STATE ENGINEER

www.ose.state.nm.us

1. GENERAL AND WELL LOCATION	OSE POD NO. (WELL NO.) POD 1		WELL TAG ID NO. N/A		OSE FILE NO(S). C-04828 POD 1			
	WELL OWNER NAME(S) Matador Production Company				PHONE (OPTIONAL)			
	WELL OWNER MAILING ADDRESS R347 N26th Rural Street 2nd Floor				CITY Artesia	STATE NM	ZIP 88210	
	WELL LOCATION (FROM GPS)	DEGREES LATITUDE 32	MINUTES 12	SECONDS 56.0	N	* ACCURACY REQUIRED: ONE TENTH OF A SECOND		
		LONGITUDE 104	03	00.3	W	* DATUM REQUIRED: WGS 84		
DESCRIPTION RELATING WELL LOCATION TO STREET ADDRESS AND COMMON LANDMARKS – PLSS (SECTION, TOWNSHIP, RANGE) WHERE AVAILABLE Unit E, Section 14, Township 24S, Range 28E, Eddy County, NM								
2. DRILLING & CASING INFORMATION	LICENSE NO. WD1188		NAME OF LICENSED DRILLER John Scarborough			NAME OF WELL DRILLING COMPANY John Scarborough Drilling Inc.		
	DRILLING STARTED 06/10/2024	DRILLING ENDED 06/10/2024	DEPTH OF COMPLETED WELL (FT) 55'	BORE HOLE DEPTH (FT) 55'	DEPTH WATER FIRST ENCOUNTERED (FT) N/A			
	COMPLETED WELL IS: <input type="checkbox"/> ARTESIAN <input checked="" type="checkbox"/> DRY HOLE <input type="checkbox"/> SHALLOW (UNCONFINED)				STATIC WATER LEVEL IN COMPLETED WELL (FT) N/A			
	DRILLING FLUID: <input checked="" type="checkbox"/> AIR <input type="checkbox"/> MUD ADDITIVES – SPECIFY:							
	DRILLING METHOD: <input checked="" type="checkbox"/> ROTARY <input type="checkbox"/> HAMMER <input type="checkbox"/> CABLE TOOL <input type="checkbox"/> OTHER – SPECIFY:							
	DEPTH (feet bgl)		BORE HOLE DIAM (inches)	CASING MATERIAL AND/OR GRADE (include each casing string, and note sections of screen)	CASING CONNECTION TYPE (add coupling diameter)	CASING INSIDE DIAM. (inches)	CASING WALL THICKNESS (inches)	SLOT SIZE (inches)
	FROM	TO						
	0	55	5.00	Soil Boring	-	-	-	-
3. ANNULAR MATERIAL	DEPTH (feet bgl)		BORE HOLE DIAM. (inches)	LIST ANNULAR SEAL MATERIAL AND GRAVEL PACK SIZE-RANGE BY INTERVAL	AMOUNT (cubic feet)	METHOD OF PLACEMENT		
	FROM	TO						
				N/A				

FOR OSE INTERNAL USE		WR-20 WELL RECORD & LOG (Version 04/30/19)	
FILE NO.	POD NO.	TRN NO.	
LOCATION	WELL TAG ID NO.	PAGE 1 OF 2	

4. HYDROGEOLOGIC LOG OF WELL	DEPTH (feet bgl)		THICKNESS (feet)	COLOR AND TYPE OF MATERIAL ENCOUNTERED - INCLUDE WATER-BEARING CAVITIES OR FRACTURE ZONES (attach supplemental sheets to fully describe all units)	WATER BEARING? (YES / NO)	ESTIMATED YIELD FOR WATER- BEARING ZONES (gpm)
	FROM	TO				
	0	10	10	Sand with Gravel, light brown to tan, fine to medium with some gravel	Y <input checked="" type="checkbox"/> N	
	10	20	10	Sand with Gravel, light brown to tan, fine to medium with some gravel	Y <input checked="" type="checkbox"/> N	
	20	30	10	Sand with Gravel, light brown to tan, fine to medium with some gravel	Y <input checked="" type="checkbox"/> N	
	30	40	10	Gypsum with Gravel, Clear with pink to black inclusions, fine to coarse with gra	Y <input checked="" type="checkbox"/> N	
	40	50	10	Gypsum with Gravel, Clear with pink to black inclusions, fine to coarse with trac	Y <input checked="" type="checkbox"/> N	
	50	55	5	Gypsum with Gravel, Clear with pink to black inclusions, fine to coarse with gra	Y <input checked="" type="checkbox"/> N	
	55	55	0	Gypsum with Gravel, Clear with pink to black inclusions, fine to coarse with gra	Y <input checked="" type="checkbox"/> N	
					Y N	
					Y N	
					Y N	
					Y N	
					Y N	
					Y N	
					Y N	
					Y N	
					Y N	
					Y N	
					Y N	
					Y N	
					Y N	
					Y N	
					Y N	
METHOD USED TO ESTIMATE YIELD OF WATER-BEARING STRATA: <input type="checkbox"/> PUMP <input type="checkbox"/> AIR LIFT <input type="checkbox"/> BAILER <input type="checkbox"/> OTHER – SPECIFY:					TOTAL ESTIMATED WELL YIELD (gpm): 0.00	

5. TEST; RIG SUPERVISION	WELL TEST	TEST RESULTS - ATTACH A COPY OF DATA COLLECTED DURING WELL TESTING, INCLUDING DISCHARGE METHOD, START TIME, END TIME, AND A TABLE SHOWING DISCHARGE AND DRAWDOWN OVER THE TESTING PERIOD.
	MISCELLANEOUS INFORMATION:	
	PRINT NAME(S) OF DRILL RIG SUPERVISOR(S) THAT PROVIDED ONSITE SUPERVISION OF WELL CONSTRUCTION OTHER THAN LICENSEE:	

6. SIGNATURE	BY SIGNING BELOW, I CERTIFY THAT TO THE BEST OF MY KNOWLEDGE AND BELIEF, THE FOREGOING IS A TRUE AND CORRECT RECORD OF THE ABOVE DESCRIBED WELL. I ALSO CERTIFY THAT THE WELL TAG, IF REQUIRED, HAS BEEN INSTALLED AND THAT THIS WELL RECORD WILL ALSO BE FILED WITH THE PERMIT HOLDER WITHIN 30 DAYS AFTER THE COMPLETION OF WELL DRILLING.		
	Scott Scarborough _____ SIGNATURE OF DRILLER / PRINT SIGNEE NAME	Digitally signed by Scott Scarborough Date: 2024.06.26 07:04:55 -06'00' Scott Scarborough _____	06/26/2024 _____ DATE

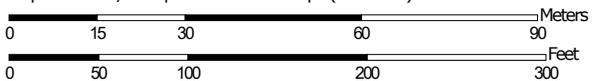
FOR OSE INTERNAL USE		WR-20 WELL RECORD & LOG (Version 04/30/2019)	
FILE NO.	POD NO.	TRN NO.	
LOCATION	WELL TAG ID NO.		PAGE 2 OF 2

Soil Map—Eddy Area, New Mexico (Janie Conner CTB)



Soil Map may not be valid at this scale.

Map Scale: 1:1,280 if printed on A landscape (11" x 8.5") sheet.



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

Soil Map—Eddy Area, New Mexico
(Janie Conner CTB)

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 19, Sep 7, 2023

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

Date(s) aerial images were photographed: Nov 12, 2022—Dec 2, 2022

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.

Map Unit Legend

Map Unit Symbol	Map Unit Name	Acres in AOI	Percent of AOI
Kr	Karro loam, 0 to 1 percent slopes	6.3	100.0%
Totals for Area of Interest		6.3	100.0%

Eddy Area, New Mexico

Kr—Karro loam, 0 to 1 percent slopes

Map Unit Setting

National map unit symbol: 1w4v

Elevation: 2,500 to 5,300 feet

Mean annual precipitation: 10 to 15 inches

Mean annual air temperature: 57 to 64 degrees F

Frost-free period: 200 to 230 days

Farmland classification: Farmland of statewide importance

Map Unit Composition

Karro and similar soils: 99 percent

Minor components: 1 percent

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

Description of Karro

Setting

Landform: Plains, alluvial fans

Landform position (three-dimensional): Riser, talf, rise

Down-slope shape: Convex, linear

Across-slope shape: Linear

Parent material: Mixed alluvium

Typical profile

H1 - 0 to 10 inches: loam

H2 - 10 to 90 inches: clay loam

Properties and qualities

Slope: 0 to 1 percent

Depth to restrictive feature: More than 80 inches

Drainage class: Well drained

Runoff class: Medium

Capacity of the most limiting layer to transmit water

(Ksat): Moderately high (0.20 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: 60 percent

Maximum salinity: Nonsaline to slightly saline (0.0 to 4.0 mmhos/cm)

Sodium adsorption ratio, maximum: 1.0

Available water supply, 0 to 60 inches: High (about 10.5 inches)

Interpretive groups

Land capability classification (irrigated): 2s

Land capability classification (nonirrigated): 6s

Hydrologic Soil Group: C

Ecological site: R070BC030NM - Limy

Map Unit Description: Karro loam, 0 to 1 percent slopes---Eddy Area, New Mexico

Janie Conner CTB

Hydric soil rating: No

Minor Components

Reeves

Percent of map unit: 1 percent

Ecological site: R070BC007NM - Loamy

Hydric soil rating: No

Data Source Information

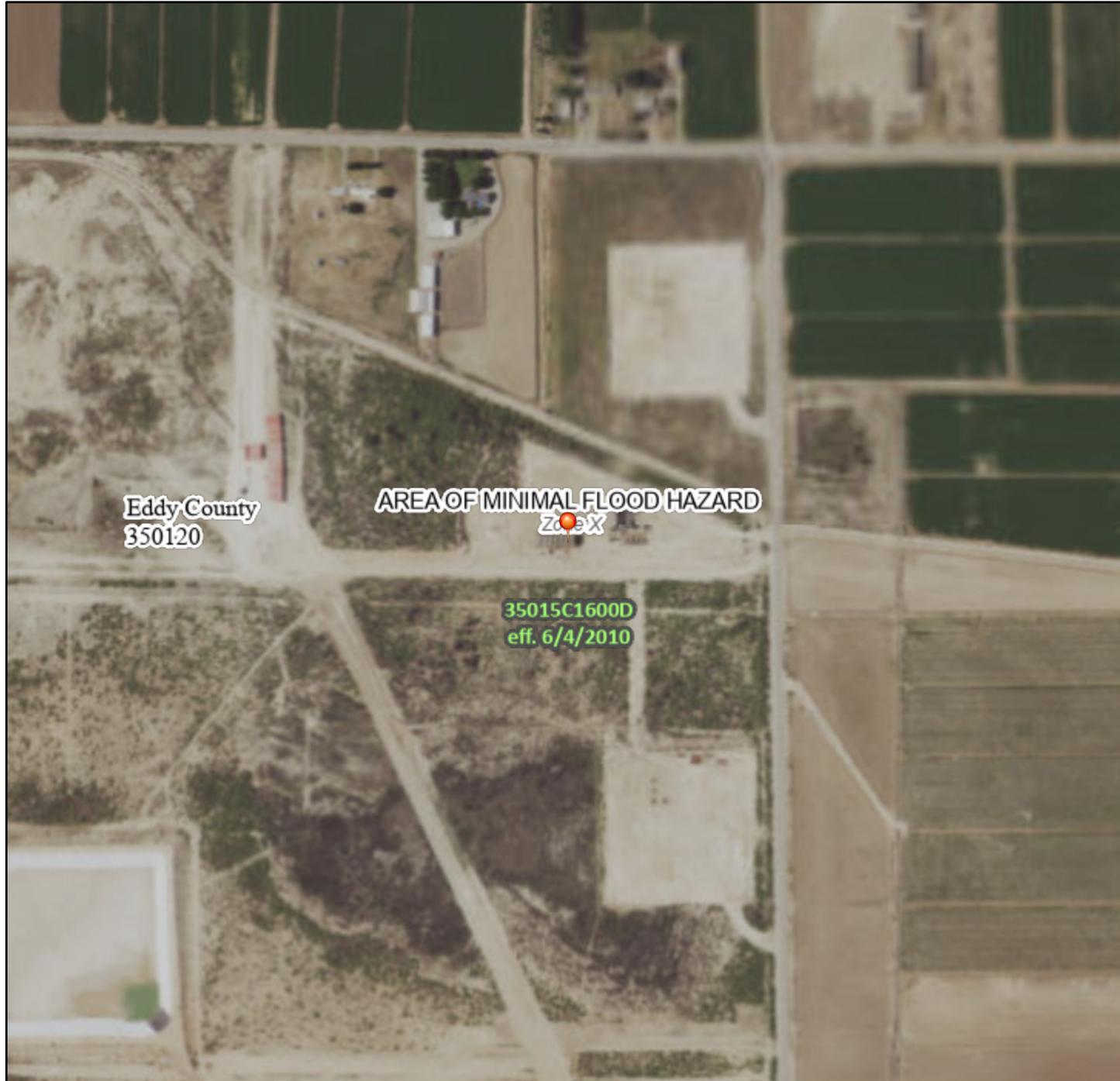
Soil Survey Area: Eddy Area, New Mexico

Survey Area Data: Version 19, Sep 7, 2023

National Flood Hazard Layer FIRMette



104°3'24"W 32°13'34"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 |
| GENERAL STRUCTURES | | Area of Undetermined Flood Hazard Zone D |
| | | Channel, Culvert, or Storm Sewer |
| OTHER FEATURES | | Levee, Dike, or Floodwall |
| | | 20.2 Cross Sections with 1% Annual Chance |
| | | 17.5 Water Surface Elevation |
| | | 8 Coastal Transect |
| | | 5.13 Base Flood Elevation Line (BFE) |
| | | Limit of Study |
| | | Jurisdiction Boundary |
| | | Coastal Transect Baseline |
| | | Profile Baseline |
| | | Hydrographic Feature |
| MAP PANELS | | Digital Data Available |
| | | No Digital Data Available |
| | | Unmapped |
- The pin displayed on the map is an approximate point selected by the user and does not represent an authoritative property location.



1:6,000

104°2'46"W 32°13'4"N

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 11/20/2023 at 2:18 PM 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



Janie Conner CTB
Eddy County, New Mexico



Photograph No. 1
Description:

Initial release area and sample area, S-1

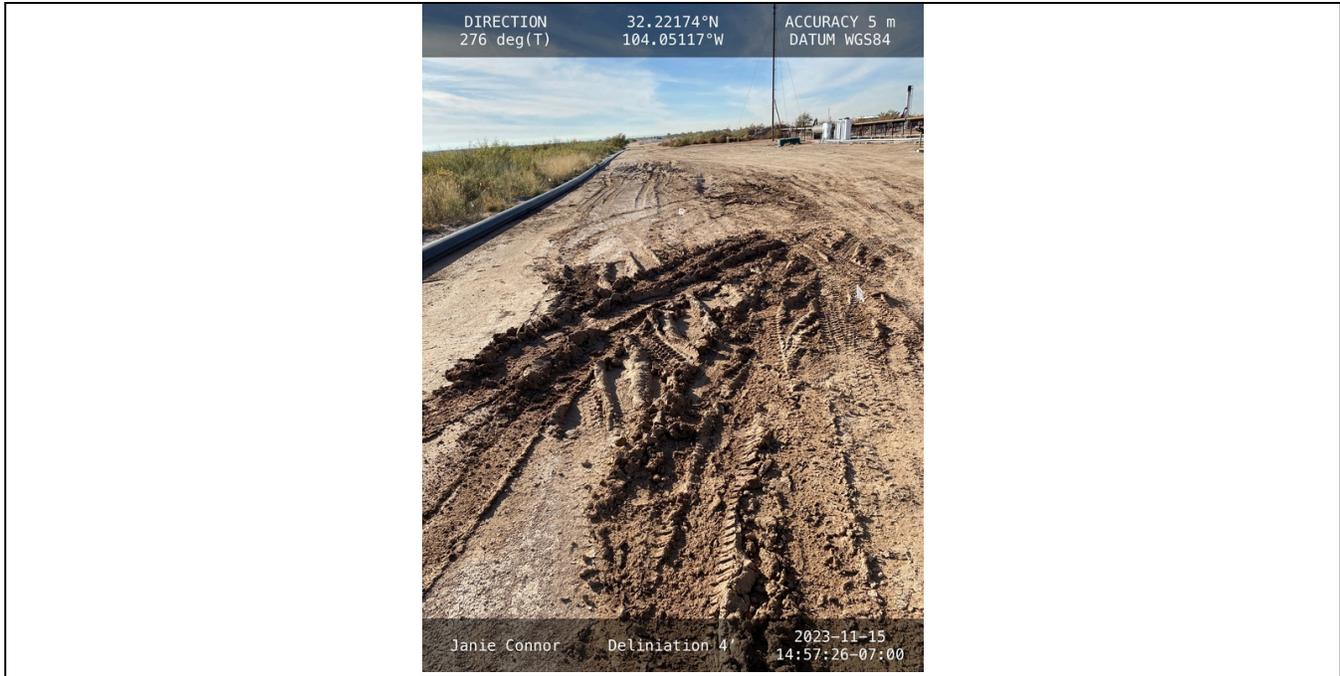


Photograph No. 2
Description:

Preferential pathway flow and sample area, S-8



Janie Conner CTB
Eddy County, New Mexico



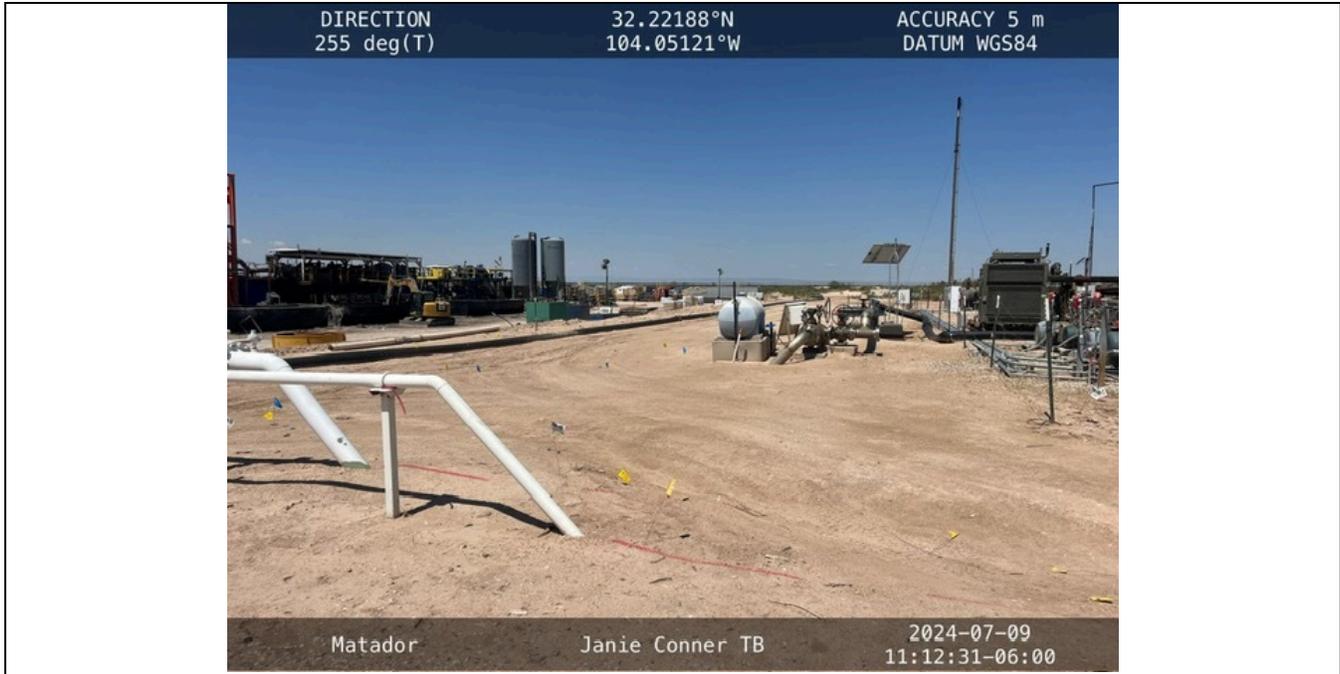
Photograph No. 3 Description:	Release area in access road and pipeline right-of-way
---	---



Photograph No. 4 Description:	Sample area of S-1
---	--------------------



Janie Conner CTB
Eddy County, New Mexico



Photograph No. 5	Sample area of S-8
Description:	



Photograph No. 6	Access road and pipeline right-of-way in July 2024
Description:	



APPENDIX V

Laboratory Analytical Data

Report to:
Chad Hensley



envirotech

Practical Solutions for a Better Tomorrow

Analytical Report

Talon LPE

Project Name: Jennie Connor

Work Order: E311166

Job Number: 23052-0001

Received: 11/18/2023

Revision: 2

Report Reviewed By:

Walter Hinchman
Laboratory Director
12/30/24

5796 U.S. Hwy 64
Farmington, NM 87401

Phone: (505) 632-1881
Envirotech-inc.com



Envirotech Inc. certifies the test results meet all requirements of TNI unless noted otherwise.
Statement of Data Authenticity: Envirotech Inc, attests the data reported has not been altered in any way.
Partial or incomplete reproduction of this report is prohibited, unless approved by Envirotech Inc.
Envirotech Inc, holds the Utah TNI certification NM00979 for data reported.
Envirotech Inc, holds the Texas TNI certification T104704557 for data reported.

Date Reported: 12/30/24



Chad Hensley
408 W Texas Ave
Artesia, NM 88210

Project Name: Jennie Connar
Workorder: E311166
Date Received: 11/18/2023 7:30:00AM

Chad Hensley,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 11/18/2023 7:30:00AM, under the Project Name: Jennie Connar.

The analytical test results summarized in this report with the Project Name: Jennie Connar apply to the individual samples collected, identified and submitted bearing the project name on the enclosed chain-of-custody. Subcontracted sample analyses not conducted by Envirotech, Inc., are attached in full as issued by the subcontract laboratory.

Please review the Chain-of-Custody (COC) and Sample Receipt Checklist (SRC) for any issues regarding sample receipt temperature, containers, preservation etc. To best understand your test results, review the entire report summarizing your sample data and the associated quality control batch data.

All reported data in this analytical report were analyzed according to the referenced method(s) and are in compliance with the latest NELAC/TNI standards, unless otherwise noted. Samples or analytical quality control parameters not meeting specific QC criteria are qualified with a data flag. Data flag definitions are located in the Notes and Definitions section of this analytical report.

If you have any questions concerning this report, please feel free to contact Envirotech, Inc.

Respectfully,

Walter Hinchman
Laboratory Director
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Cell: 775-287-1762
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Raina Schwanz
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Sample Summary

Talon LPE 408 W Texas Ave Artesia NM, 88210	Project Name: Jennie Connar Project Number: 23052-0001 Project Manager: Chad Hensley	Reported: 12/30/24 12:12
---	--	------------------------------------

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
S-1 1'	E311166-01A	Soil	11/15/23	11/18/23	Glass Jar, 2 oz.
S-1 2'	E311166-02A	Soil	11/15/23	11/18/23	Glass Jar, 2 oz.
S-1 4'	E311166-03A	Soil	11/15/23	11/18/23	Glass Jar, 2 oz.
S-2 1'	E311166-04A	Soil	11/15/23	11/18/23	Glass Jar, 2 oz.
S-2 2'	E311166-05A	Soil	11/15/23	11/18/23	Glass Jar, 2 oz.
S-2 4'	E311166-06A	Soil	11/15/23	11/18/23	Glass Jar, 2 oz.
S-3 1'	E311166-07A	Soil	11/15/23	11/18/23	Glass Jar, 2 oz.
S-3 2'	E311166-08A	Soil	11/15/23	11/18/23	Glass Jar, 2 oz.
S-3 4'	E311166-09A	Soil	11/15/23	11/18/23	Glass Jar, 2 oz.
S-4 1'	E311166-10A	Soil	11/15/23	11/18/23	Glass Jar, 2 oz.
S-4 2'	E311166-11A	Soil	11/15/23	11/18/23	Glass Jar, 2 oz.
S-4 4'	E311166-12A	Soil	11/15/23	11/18/23	Glass Jar, 2 oz.
S-5 1'	E311166-13A	Soil	11/15/23	11/18/23	Glass Jar, 2 oz.
S-5 2'	E311166-14A	Soil	11/15/23	11/18/23	Glass Jar, 2 oz.
S-5 4'	E311166-15A	Soil	11/15/23	11/18/23	Glass Jar, 2 oz.



Sample Data

Talon LPE 408 W Texas Ave Artesia NM, 88210	Project Name: Jennie Connar Project Number: 23052-0001 Project Manager: Chad Hensley	Reported: 12/30/2024 12:12:33PM
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S-1 1'
E311166-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst: RKS		Batch: 2347073
Benzene	ND	0.0250	1	11/21/23	11/27/23	
Ethylbenzene	ND	0.0250	1	11/21/23	11/27/23	
Toluene	ND	0.0250	1	11/21/23	11/27/23	
o-Xylene	ND	0.0250	1	11/21/23	11/27/23	
p,m-Xylene	ND	0.0500	1	11/21/23	11/27/23	
Total Xylenes	ND	0.0250	1	11/21/23	11/27/23	
<i>Surrogate: Bromofluorobenzene</i>		105 %	70-130	11/21/23	11/27/23	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		99.0 %	70-130	11/21/23	11/27/23	
<i>Surrogate: Toluene-d8</i>		101 %	70-130	11/21/23	11/27/23	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: RKS		Batch: 2347073
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/21/23	11/27/23	
<i>Surrogate: Bromofluorobenzene</i>		105 %	70-130	11/21/23	11/27/23	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		99.0 %	70-130	11/21/23	11/27/23	
<i>Surrogate: Toluene-d8</i>		101 %	70-130	11/21/23	11/27/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: JL		Batch: 2348015
Diesel Range Organics (C10-C28)	ND	25.0	1	11/27/23	11/27/23	
Oil Range Organics (C28-C36)	ND	50.0	1	11/27/23	11/27/23	
<i>Surrogate: n-Nonane</i>		87.2 %	50-200	11/27/23	11/27/23	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: BA		Batch: 2348021
Chloride	1480	40.0	2	11/27/23	11/28/23	



Sample Data

Talon LPE 408 W Texas Ave Artesia NM, 88210	Project Name: Jennie Connar Project Number: 23052-0001 Project Manager: Chad Hensley	Reported: 12/30/2024 12:12:33PM
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S-1 2'

E311166-02

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2347073
Benzene	ND	0.0250	1	11/21/23	11/27/23	
Ethylbenzene	ND	0.0250	1	11/21/23	11/27/23	
Toluene	ND	0.0250	1	11/21/23	11/27/23	
o-Xylene	ND	0.0250	1	11/21/23	11/27/23	
p,m-Xylene	ND	0.0500	1	11/21/23	11/27/23	
Total Xylenes	ND	0.0250	1	11/21/23	11/27/23	
<i>Surrogate: Bromofluorobenzene</i>		81.5 %	70-130	11/21/23	11/27/23	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		97.5 %	70-130	11/21/23	11/27/23	
<i>Surrogate: Toluene-d8</i>		101 %	70-130	11/21/23	11/27/23	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2347073
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/21/23	11/27/23	
<i>Surrogate: Bromofluorobenzene</i>		81.5 %	70-130	11/21/23	11/27/23	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		97.5 %	70-130	11/21/23	11/27/23	
<i>Surrogate: Toluene-d8</i>		101 %	70-130	11/21/23	11/27/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: JL		Batch: 2348015
Diesel Range Organics (C10-C28)	ND	25.0	1	11/27/23	11/27/23	
Oil Range Organics (C28-C36)	ND	50.0	1	11/27/23	11/27/23	
<i>Surrogate: n-Nonane</i>		92.5 %	50-200	11/27/23	11/27/23	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: BA		Batch: 2348021
Chloride	3040	200	10	11/27/23	11/28/23	



Sample Data

Talon LPE 408 W Texas Ave Artesia NM, 88210	Project Name: Jennie Connar Project Number: 23052-0001 Project Manager: Chad Hensley	Reported: 12/30/2024 12:12:33PM
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S-1 4'

E311166-03

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst: RKS		Batch: 2347073
Benzene	ND	0.0250	1	11/21/23	11/27/23	
Ethylbenzene	ND	0.0250	1	11/21/23	11/27/23	
Toluene	ND	0.0250	1	11/21/23	11/27/23	
o-Xylene	ND	0.0250	1	11/21/23	11/27/23	
p,m-Xylene	ND	0.0500	1	11/21/23	11/27/23	
Total Xylenes	ND	0.0250	1	11/21/23	11/27/23	
<i>Surrogate: Bromofluorobenzene</i>		107 %	70-130	11/21/23	11/27/23	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		96.8 %	70-130	11/21/23	11/27/23	
<i>Surrogate: Toluene-d8</i>		101 %	70-130	11/21/23	11/27/23	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: RKS		Batch: 2347073
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/21/23	11/27/23	
<i>Surrogate: Bromofluorobenzene</i>		107 %	70-130	11/21/23	11/27/23	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		96.8 %	70-130	11/21/23	11/27/23	
<i>Surrogate: Toluene-d8</i>		101 %	70-130	11/21/23	11/27/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: JL		Batch: 2348015
Diesel Range Organics (C10-C28)	ND	25.0	1	11/27/23	11/27/23	
Oil Range Organics (C28-C36)	ND	50.0	1	11/27/23	11/27/23	
<i>Surrogate: n-Nonane</i>		86.0 %	50-200	11/27/23	11/27/23	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: BA		Batch: 2348021
Chloride	2130	200	10	11/27/23	11/28/23	



Sample Data

Talon LPE 408 W Texas Ave Artesia NM, 88210	Project Name: Jennie Connar Project Number: 23052-0001 Project Manager: Chad Hensley	Reported: 12/30/2024 12:12:33PM
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S-2 1'

E311166-04

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst: RKS		Batch: 2347073
Benzene	ND	0.0250	1	11/21/23	11/27/23	
Ethylbenzene	ND	0.0250	1	11/21/23	11/27/23	
Toluene	ND	0.0250	1	11/21/23	11/27/23	
o-Xylene	ND	0.0250	1	11/21/23	11/27/23	
p,m-Xylene	ND	0.0500	1	11/21/23	11/27/23	
Total Xylenes	ND	0.0250	1	11/21/23	11/27/23	
<i>Surrogate: Bromofluorobenzene</i>		81.2 %	70-130	11/21/23	11/27/23	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		98.1 %	70-130	11/21/23	11/27/23	
<i>Surrogate: Toluene-d8</i>		101 %	70-130	11/21/23	11/27/23	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: RKS		Batch: 2347073
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/21/23	11/27/23	
<i>Surrogate: Bromofluorobenzene</i>		81.2 %	70-130	11/21/23	11/27/23	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		98.1 %	70-130	11/21/23	11/27/23	
<i>Surrogate: Toluene-d8</i>		101 %	70-130	11/21/23	11/27/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: JL		Batch: 2348015
Diesel Range Organics (C10-C28)	ND	25.0	1	11/27/23	11/27/23	
Oil Range Organics (C28-C36)	ND	50.0	1	11/27/23	11/27/23	
<i>Surrogate: n-Nonane</i>		94.4 %	50-200	11/27/23	11/27/23	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: BA		Batch: 2348021
Chloride	2770	200	10	11/27/23	11/28/23	



Sample Data

Talon LPE 408 W Texas Ave Artesia NM, 88210	Project Name: Jennie Connar Project Number: 23052-0001 Project Manager: Chad Hensley	Reported: 12/30/2024 12:12:33PM
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S-2 2'

E311166-05

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst: RKS		Batch: 2347073
Benzene	ND	0.0250	1	11/21/23	11/29/23	
Ethylbenzene	ND	0.0250	1	11/21/23	11/29/23	
Toluene	ND	0.0250	1	11/21/23	11/29/23	
o-Xylene	ND	0.0250	1	11/21/23	11/29/23	
p,m-Xylene	ND	0.0500	1	11/21/23	11/29/23	
Total Xylenes	ND	0.0250	1	11/21/23	11/29/23	
<i>Surrogate: Bromofluorobenzene</i>		101 %	70-130	11/21/23	11/29/23	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		99.0 %	70-130	11/21/23	11/29/23	
<i>Surrogate: Toluene-d8</i>		98.2 %	70-130	11/21/23	11/29/23	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: RKS		Batch: 2347073
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/21/23	11/29/23	
<i>Surrogate: Bromofluorobenzene</i>		101 %	70-130	11/21/23	11/29/23	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		99.0 %	70-130	11/21/23	11/29/23	
<i>Surrogate: Toluene-d8</i>		98.2 %	70-130	11/21/23	11/29/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: JL		Batch: 2348015
Diesel Range Organics (C10-C28)	ND	25.0	1	11/27/23	11/27/23	
Oil Range Organics (C28-C36)	ND	50.0	1	11/27/23	11/27/23	
<i>Surrogate: n-Nonane</i>		89.7 %	50-200	11/27/23	11/27/23	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: BA		Batch: 2348021
Chloride	2760	200	10	11/27/23	11/28/23	



Sample Data

Talon LPE 408 W Texas Ave Artesia NM, 88210	Project Name: Jennie Connar Project Number: 23052-0001 Project Manager: Chad Hensley	Reported: 12/30/2024 12:12:33PM
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S-2 4'

E311166-06

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2347073
Benzene	ND	0.0250	1	11/21/23	11/27/23	
Ethylbenzene	ND	0.0250	1	11/21/23	11/27/23	
Toluene	ND	0.0250	1	11/21/23	11/27/23	
o-Xylene	ND	0.0250	1	11/21/23	11/27/23	
p,m-Xylene	ND	0.0500	1	11/21/23	11/27/23	
Total Xylenes	ND	0.0250	1	11/21/23	11/27/23	
<i>Surrogate: Bromofluorobenzene</i>		107 %	70-130	11/21/23	11/27/23	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		97.9 %	70-130	11/21/23	11/27/23	
<i>Surrogate: Toluene-d8</i>		100 %	70-130	11/21/23	11/27/23	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2347073
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/21/23	11/27/23	
<i>Surrogate: Bromofluorobenzene</i>		107 %	70-130	11/21/23	11/27/23	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		97.9 %	70-130	11/21/23	11/27/23	
<i>Surrogate: Toluene-d8</i>		100 %	70-130	11/21/23	11/27/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: JL		Batch: 2348015
Diesel Range Organics (C10-C28)	ND	25.0	1	11/27/23	11/27/23	
Oil Range Organics (C28-C36)	ND	50.0	1	11/27/23	11/27/23	
<i>Surrogate: n-Nonane</i>		93.9 %	50-200	11/27/23	11/27/23	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: BA		Batch: 2348021
Chloride	3380	200	10	11/27/23	11/28/23	



Sample Data

Talon LPE 408 W Texas Ave Artesia NM, 88210	Project Name: Jennie Connar Project Number: 23052-0001 Project Manager: Chad Hensley	Reported: 12/30/2024 12:12:33PM
---	--	---

S-3 1'

E311166-07

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B		mg/kg	mg/kg	Analyst: RKS		Batch: 2347073
Benzene	ND	0.0250	1	11/21/23	11/28/23	
Ethylbenzene	ND	0.0250	1	11/21/23	11/28/23	
Toluene	ND	0.0250	1	11/21/23	11/28/23	
o-Xylene	ND	0.0250	1	11/21/23	11/28/23	
p,m-Xylene	ND	0.0500	1	11/21/23	11/28/23	
Total Xylenes	ND	0.0250	1	11/21/23	11/28/23	
<i>Surrogate: Bromofluorobenzene</i>		106 %	70-130	11/21/23	11/28/23	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		96.6 %	70-130	11/21/23	11/28/23	
<i>Surrogate: Toluene-d8</i>		101 %	70-130	11/21/23	11/28/23	
Nonhalogenated Organics by EPA 8015D - GRO		mg/kg	mg/kg	Analyst: RKS		Batch: 2347073
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/21/23	11/28/23	
<i>Surrogate: Bromofluorobenzene</i>		106 %	70-130	11/21/23	11/28/23	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		96.6 %	70-130	11/21/23	11/28/23	
<i>Surrogate: Toluene-d8</i>		101 %	70-130	11/21/23	11/28/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO		mg/kg	mg/kg	Analyst: JL		Batch: 2348015
Diesel Range Organics (C10-C28)	ND	25.0	1	11/27/23	11/27/23	
Oil Range Organics (C28-C36)	ND	50.0	1	11/27/23	11/27/23	
<i>Surrogate: n-Nonane</i>		94.3 %	50-200	11/27/23	11/27/23	
Anions by EPA 300.0/9056A		mg/kg	mg/kg	Analyst: BA		Batch: 2348021
Chloride	2770	200	10	11/27/23	11/28/23	



Sample Data

Talon LPE 408 W Texas Ave Artesia NM, 88210	Project Name: Jennie Connar Project Number: 23052-0001 Project Manager: Chad Hensley	Reported: 12/30/2024 12:12:33PM
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S-3 2'

E311166-08

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2347073
Benzene	ND	0.0250	1	11/21/23	11/28/23	
Ethylbenzene	ND	0.0250	1	11/21/23	11/28/23	
Toluene	ND	0.0250	1	11/21/23	11/28/23	
o-Xylene	ND	0.0250	1	11/21/23	11/28/23	
p,m-Xylene	ND	0.0500	1	11/21/23	11/28/23	
Total Xylenes	ND	0.0250	1	11/21/23	11/28/23	
<i>Surrogate: Bromofluorobenzene</i>		106 %	70-130	11/21/23	11/28/23	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		95.1 %	70-130	11/21/23	11/28/23	
<i>Surrogate: Toluene-d8</i>		101 %	70-130	11/21/23	11/28/23	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2347073
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/21/23	11/28/23	
<i>Surrogate: Bromofluorobenzene</i>		106 %	70-130	11/21/23	11/28/23	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		95.1 %	70-130	11/21/23	11/28/23	
<i>Surrogate: Toluene-d8</i>		101 %	70-130	11/21/23	11/28/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: JL		Batch: 2348015
Diesel Range Organics (C10-C28)	ND	25.0	1	11/27/23	11/27/23	
Oil Range Organics (C28-C36)	ND	50.0	1	11/27/23	11/27/23	
<i>Surrogate: n-Nonane</i>		104 %	50-200	11/27/23	11/27/23	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: BA		Batch: 2348021
Chloride	2810	200	10	11/27/23	11/28/23	



Sample Data

Talon LPE 408 W Texas Ave Artesia NM, 88210	Project Name: Jennie Connar Project Number: 23052-0001 Project Manager: Chad Hensley	Reported: 12/30/2024 12:12:33PM
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S-3 4'

E311166-09

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2347073
Benzene	ND	0.0250	1	11/21/23	11/27/23	
Ethylbenzene	ND	0.0250	1	11/21/23	11/27/23	
Toluene	ND	0.0250	1	11/21/23	11/27/23	
o-Xylene	ND	0.0250	1	11/21/23	11/27/23	
p,m-Xylene	ND	0.0500	1	11/21/23	11/27/23	
Total Xylenes	ND	0.0250	1	11/21/23	11/27/23	
<i>Surrogate: Bromofluorobenzene</i>		107 %	70-130	11/21/23	11/27/23	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		99.3 %	70-130	11/21/23	11/27/23	
<i>Surrogate: Toluene-d8</i>		100 %	70-130	11/21/23	11/27/23	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2347073
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/21/23	11/27/23	
<i>Surrogate: Bromofluorobenzene</i>		107 %	70-130	11/21/23	11/27/23	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		99.3 %	70-130	11/21/23	11/27/23	
<i>Surrogate: Toluene-d8</i>		100 %	70-130	11/21/23	11/27/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: JL		Batch: 2348015
Diesel Range Organics (C10-C28)	ND	25.0	1	11/27/23	11/27/23	
Oil Range Organics (C28-C36)	ND	50.0	1	11/27/23	11/27/23	
<i>Surrogate: n-Nonane</i>		92.9 %	50-200	11/27/23	11/27/23	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: BA		Batch: 2348021
Chloride	3080	200	10	11/27/23	11/28/23	



Sample Data

Talon LPE 408 W Texas Ave Artesia NM, 88210	Project Name: Jennie Connar Project Number: 23052-0001 Project Manager: Chad Hensley	Reported: 12/30/2024 12:12:33PM
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S-4 1'
E311166-10

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst: RKS		Batch: 2347073
Benzene	ND	0.0250	1	11/21/23	11/29/23	
Ethylbenzene	ND	0.0250	1	11/21/23	11/29/23	
Toluene	ND	0.0250	1	11/21/23	11/29/23	
o-Xylene	ND	0.0250	1	11/21/23	11/29/23	
p,m-Xylene	ND	0.0500	1	11/21/23	11/29/23	
Total Xylenes	ND	0.0250	1	11/21/23	11/29/23	
<i>Surrogate: Bromofluorobenzene</i>		98.9 %	70-130	11/21/23	11/29/23	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		101 %	70-130	11/21/23	11/29/23	
<i>Surrogate: Toluene-d8</i>		96.7 %	70-130	11/21/23	11/29/23	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: RKS		Batch: 2347073
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/21/23	11/29/23	
<i>Surrogate: Bromofluorobenzene</i>		98.9 %	70-130	11/21/23	11/29/23	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		101 %	70-130	11/21/23	11/29/23	
<i>Surrogate: Toluene-d8</i>		96.7 %	70-130	11/21/23	11/29/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: JL		Batch: 2348015
Diesel Range Organics (C10-C28)	ND	25.0	1	11/27/23	11/27/23	
Oil Range Organics (C28-C36)	ND	50.0	1	11/27/23	11/27/23	
<i>Surrogate: n-Nonane</i>		88.0 %	50-200	11/27/23	11/27/23	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: BA		Batch: 2348021
Chloride	4450	200	10	11/27/23	11/28/23	



Sample Data

Talon LPE 408 W Texas Ave Artesia NM, 88210	Project Name: Jennie Connar Project Number: 23052-0001 Project Manager: Chad Hensley	Reported: 12/30/2024 12:12:33PM
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S-4 2'

E311166-11

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2347073
Benzene	ND	0.0250	1	11/21/23	11/29/23	
Ethylbenzene	ND	0.0250	1	11/21/23	11/29/23	
Toluene	ND	0.0250	1	11/21/23	11/29/23	
o-Xylene	ND	0.0250	1	11/21/23	11/29/23	
p,m-Xylene	ND	0.0500	1	11/21/23	11/29/23	
Total Xylenes	ND	0.0250	1	11/21/23	11/29/23	
<i>Surrogate: Bromofluorobenzene</i>		98.6 %	70-130	11/21/23	11/29/23	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		102 %	70-130	11/21/23	11/29/23	
<i>Surrogate: Toluene-d8</i>		97.3 %	70-130	11/21/23	11/29/23	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2347073
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/21/23	11/29/23	
<i>Surrogate: Bromofluorobenzene</i>		98.6 %	70-130	11/21/23	11/29/23	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		102 %	70-130	11/21/23	11/29/23	
<i>Surrogate: Toluene-d8</i>		97.3 %	70-130	11/21/23	11/29/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: JL		Batch: 2348015
Diesel Range Organics (C10-C28)	ND	25.0	1	11/27/23	11/27/23	
Oil Range Organics (C28-C36)	ND	50.0	1	11/27/23	11/27/23	
<i>Surrogate: n-Nonane</i>		85.4 %	50-200	11/27/23	11/27/23	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: BA		Batch: 2348021
Chloride	2970	200	10	11/27/23	11/28/23	



Sample Data

Talon LPE 408 W Texas Ave Artesia NM, 88210	Project Name: Jennie Connar Project Number: 23052-0001 Project Manager: Chad Hensley	Reported: 12/30/2024 12:12:33PM
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S-4 4'

E311166-12

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B		mg/kg	mg/kg	Analyst: RKS		Batch: 2347073
Benzene	ND	0.0250	1	11/21/23	11/28/23	
Ethylbenzene	ND	0.0250	1	11/21/23	11/28/23	
Toluene	ND	0.0250	1	11/21/23	11/28/23	
o-Xylene	ND	0.0250	1	11/21/23	11/28/23	
p,m-Xylene	ND	0.0500	1	11/21/23	11/28/23	
Total Xylenes	ND	0.0250	1	11/21/23	11/28/23	
<i>Surrogate: Bromofluorobenzene</i>		90.9 %	70-130	11/21/23	11/28/23	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		96.6 %	70-130	11/21/23	11/28/23	
<i>Surrogate: Toluene-d8</i>		101 %	70-130	11/21/23	11/28/23	
Nonhalogenated Organics by EPA 8015D - GRO		mg/kg	mg/kg	Analyst: RKS		Batch: 2347073
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/21/23	11/28/23	
<i>Surrogate: Bromofluorobenzene</i>		90.9 %	70-130	11/21/23	11/28/23	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		96.6 %	70-130	11/21/23	11/28/23	
<i>Surrogate: Toluene-d8</i>		101 %	70-130	11/21/23	11/28/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO		mg/kg	mg/kg	Analyst: JL		Batch: 2348015
Diesel Range Organics (C10-C28)	ND	25.0	1	11/27/23	11/27/23	
Oil Range Organics (C28-C36)	ND	50.0	1	11/27/23	11/27/23	
<i>Surrogate: n-Nonane</i>		94.4 %	50-200	11/27/23	11/27/23	
Anions by EPA 300.0/9056A		mg/kg	mg/kg	Analyst: BA		Batch: 2348021
Chloride	1240	200	10	11/27/23	11/28/23	



Sample Data

Talon LPE 408 W Texas Ave Artesia NM, 88210	Project Name: Jennie Connar Project Number: 23052-0001 Project Manager: Chad Hensley	Reported: 12/30/2024 12:12:33PM
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S-5 1'
E311166-13

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2347073
Benzene	ND	0.0250	1	11/21/23	11/28/23	
Ethylbenzene	ND	0.0250	1	11/21/23	11/28/23	
Toluene	ND	0.0250	1	11/21/23	11/28/23	
o-Xylene	ND	0.0250	1	11/21/23	11/28/23	
p,m-Xylene	ND	0.0500	1	11/21/23	11/28/23	
Total Xylenes	ND	0.0250	1	11/21/23	11/28/23	
<i>Surrogate: Bromofluorobenzene</i>		122 %	70-130	11/21/23	11/28/23	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		96.8 %	70-130	11/21/23	11/28/23	
<i>Surrogate: Toluene-d8</i>		102 %	70-130	11/21/23	11/28/23	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2347073
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/21/23	11/28/23	
<i>Surrogate: Bromofluorobenzene</i>		122 %	70-130	11/21/23	11/28/23	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		96.8 %	70-130	11/21/23	11/28/23	
<i>Surrogate: Toluene-d8</i>		102 %	70-130	11/21/23	11/28/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: JL		Batch: 2348015
Diesel Range Organics (C10-C28)	ND	25.0	1	11/27/23	11/28/23	
Oil Range Organics (C28-C36)	ND	50.0	1	11/27/23	11/28/23	
<i>Surrogate: n-Nonane</i>		91.7 %	50-200	11/27/23	11/28/23	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: BA		Batch: 2348021
Chloride	391	200	10	11/27/23	11/28/23	



Sample Data

Talon LPE 408 W Texas Ave Artesia NM, 88210	Project Name: Jennie Connar Project Number: 23052-0001 Project Manager: Chad Hensley	Reported: 12/30/2024 12:12:33PM
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S-5 2'

E311166-14

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2347073
Benzene	ND	0.0250	1	11/21/23	11/28/23	
Ethylbenzene	ND	0.0250	1	11/21/23	11/28/23	
Toluene	ND	0.0250	1	11/21/23	11/28/23	
o-Xylene	ND	0.0250	1	11/21/23	11/28/23	
p,m-Xylene	ND	0.0500	1	11/21/23	11/28/23	
Total Xylenes	ND	0.0250	1	11/21/23	11/28/23	
<i>Surrogate: Bromofluorobenzene</i>		105 %	70-130	11/21/23	11/28/23	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		98.1 %	70-130	11/21/23	11/28/23	
<i>Surrogate: Toluene-d8</i>		99.7 %	70-130	11/21/23	11/28/23	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2347073
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/21/23	11/28/23	
<i>Surrogate: Bromofluorobenzene</i>		105 %	70-130	11/21/23	11/28/23	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		98.1 %	70-130	11/21/23	11/28/23	
<i>Surrogate: Toluene-d8</i>		99.7 %	70-130	11/21/23	11/28/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: JL		Batch: 2348015
Diesel Range Organics (C10-C28)	ND	25.0	1	11/27/23	11/28/23	
Oil Range Organics (C28-C36)	ND	50.0	1	11/27/23	11/28/23	
<i>Surrogate: n-Nonane</i>		90.2 %	50-200	11/27/23	11/28/23	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: BA		Batch: 2348021
Chloride	339	200	10	11/27/23	11/28/23	



Sample Data

Talon LPE 408 W Texas Ave Artesia NM, 88210	Project Name: Jennie Connar Project Number: 23052-0001 Project Manager: Chad Hensley	Reported: 12/30/2024 12:12:33PM
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S-5 4'

E311166-15

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2347073
Benzene	ND	0.0250	1	11/21/23	11/28/23	
Ethylbenzene	ND	0.0250	1	11/21/23	11/28/23	
Toluene	ND	0.0250	1	11/21/23	11/28/23	
o-Xylene	ND	0.0250	1	11/21/23	11/28/23	
p,m-Xylene	ND	0.0500	1	11/21/23	11/28/23	
Total Xylenes	ND	0.0250	1	11/21/23	11/28/23	
<i>Surrogate: Bromofluorobenzene</i>		107 %	70-130	11/21/23	11/28/23	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		96.2 %	70-130	11/21/23	11/28/23	
<i>Surrogate: Toluene-d8</i>		124 %	70-130	11/21/23	11/28/23	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2347073
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/21/23	11/28/23	
<i>Surrogate: Bromofluorobenzene</i>		107 %	70-130	11/21/23	11/28/23	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		96.2 %	70-130	11/21/23	11/28/23	
<i>Surrogate: Toluene-d8</i>		124 %	70-130	11/21/23	11/28/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: JL		Batch: 2348015
Diesel Range Organics (C10-C28)	ND	25.0	1	11/27/23	11/28/23	
Oil Range Organics (C28-C36)	ND	50.0	1	11/27/23	11/28/23	
<i>Surrogate: n-Nonane</i>		89.6 %	50-200	11/27/23	11/28/23	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: BA		Batch: 2348021
Chloride	599	200	10	11/27/23	11/28/23	



QC Summary Data

Talon LPE 408 W Texas Ave Artesia NM, 88210	Project Name: Jennie Connar Project Number: 23052-0001 Project Manager: Chad Hensley	Reported: 12/30/2024 12:12:33PM
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Volatile Organic Compounds by EPA 8260B

Analyst: RKS

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2347073-BLK1)

Prepared: 11/21/23 Analyzed: 11/27/23

Benzene	ND	0.0250							
Ethylbenzene	ND	0.0250							
Toluene	ND	0.0250							
o-Xylene	ND	0.0250							
p,m-Xylene	ND	0.0500							
Total Xylenes	ND	0.0250							
Surrogate: Bromofluorobenzene	0.526		0.500		105	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.502		0.500		100	70-130			
Surrogate: Toluene-d8	0.499		0.500		99.8	70-130			

LCS (2347073-BS1)

Prepared: 11/21/23 Analyzed: 11/27/23

Benzene	2.59	0.0250	2.50		104	70-130			
Ethylbenzene	2.58	0.0250	2.50		103	70-130			
Toluene	2.50	0.0250	2.50		99.8	70-130			
o-Xylene	2.53	0.0250	2.50		101	70-130			
p,m-Xylene	4.93	0.0500	5.00		98.6	70-130			
Total Xylenes	7.46	0.0250	7.50		99.4	70-130			
Surrogate: Bromofluorobenzene	0.419		0.500		83.8	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.498		0.500		99.6	70-130			
Surrogate: Toluene-d8	0.500		0.500		100	70-130			

Matrix Spike (2347073-MS1)

Source: E311166-09

Prepared: 11/21/23 Analyzed: 11/27/23

Benzene	2.52	0.0250	2.50	ND	101	48-131			
Ethylbenzene	2.28	0.0250	2.50	ND	91.4	45-135			
Toluene	2.21	0.0250	2.50	ND	88.3	48-130			
o-Xylene	2.28	0.0250	2.50	ND	91.3	43-135			
p,m-Xylene	4.43	0.0500	5.00	ND	88.7	43-135			
Total Xylenes	6.72	0.0250	7.50	ND	89.6	43-135			
Surrogate: Bromofluorobenzene	0.489		0.500		97.8	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.513		0.500		103	70-130			
Surrogate: Toluene-d8	0.481		0.500		96.1	70-130			

Matrix Spike Dup (2347073-MSD1)

Source: E311166-09

Prepared: 11/21/23 Analyzed: 11/29/23

Benzene	2.22	0.0250	2.50	ND	88.8	48-131	12.8	23	
Ethylbenzene	2.23	0.0250	2.50	ND	89.2	45-135	2.46	27	
Toluene	2.15	0.0250	2.50	ND	86.2	48-130	2.38	24	
o-Xylene	2.28	0.0250	2.50	ND	91.1	43-135	0.241	27	
p,m-Xylene	4.42	0.0500	5.00	ND	88.3	43-135	0.395	27	
Total Xylenes	6.70	0.0250	7.50	ND	89.3	43-135	0.343	27	
Surrogate: Bromofluorobenzene	0.500		0.500		100	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.506		0.500		101	70-130			
Surrogate: Toluene-d8	0.475		0.500		95.0	70-130			



QC Summary Data

Talon LPE 408 W Texas Ave Artesia NM, 88210	Project Name: Jennie Connar Project Number: 23052-0001 Project Manager: Chad Hensley	Reported: 12/30/2024 12:12:33PM
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Nonhalogenated Organics by EPA 8015D - GRO

Analyst: RKS

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2347073-BLK1)

Prepared: 11/21/23 Analyzed: 11/27/23

Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: Bromofluorobenzene	0.526		0.500		105	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.502		0.500		100	70-130			
Surrogate: Toluene-d8	0.499		0.500		99.8	70-130			

LCS (2347073-BS2)

Prepared: 11/21/23 Analyzed: 11/27/23

Gasoline Range Organics (C6-C10)	48.3	20.0	50.0		96.6	70-130			
Surrogate: Bromofluorobenzene	0.418		0.500		83.5	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.489		0.500		97.8	70-130			
Surrogate: Toluene-d8	0.503		0.500		101	70-130			

Matrix Spike (2347073-MS2)

Source: E311166-09

Prepared: 11/21/23 Analyzed: 11/27/23

Gasoline Range Organics (C6-C10)	49.7	20.0	50.0	ND	99.3	70-130			
Surrogate: Bromofluorobenzene	0.537		0.500		107	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.499		0.500		99.8	70-130			
Surrogate: Toluene-d8	0.510		0.500		102	70-130			

Matrix Spike Dup (2347073-MSD2)

Source: E311166-09

Prepared: 11/21/23 Analyzed: 11/27/23

Gasoline Range Organics (C6-C10)	49.4	20.0	50.0	ND	98.7	70-130	0.564	20	
Surrogate: Bromofluorobenzene	0.454		0.500		90.8	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.483		0.500		96.6	70-130			
Surrogate: Toluene-d8	0.518		0.500		104	70-130			



QC Summary Data

Talon LPE 408 W Texas Ave Artesia NM, 88210	Project Name: Jennie Connar Project Number: 23052-0001 Project Manager: Chad Hensley	Reported: 12/30/2024 12:12:33PM
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Nonhalogenated Organics by EPA 8015D - DRO/ORO

Analyst: JL

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2348015-BLK1)

Prepared: 11/27/23 Analyzed: 11/27/23

Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: <i>n</i> -Nonane	46.1		50.0		92.1	50-200			

LCS (2348015-BS1)

Prepared: 11/27/23 Analyzed: 11/27/23

Diesel Range Organics (C10-C28)	243	25.0	250		97.1	38-132			
Surrogate: <i>n</i> -Nonane	46.3		50.0		92.5	50-200			

Matrix Spike (2348015-MS1)

Source: E311166-01

Prepared: 11/27/23 Analyzed: 11/27/23

Diesel Range Organics (C10-C28)	241	25.0	250	ND	96.3	38-132			
Surrogate: <i>n</i> -Nonane	47.2		50.0		94.4	50-200			

Matrix Spike Dup (2348015-MSD1)

Source: E311166-01

Prepared: 11/27/23 Analyzed: 11/27/23

Diesel Range Organics (C10-C28)	243	25.0	250	ND	97.2	38-132	0.878	20	
Surrogate: <i>n</i> -Nonane	42.1		50.0		84.2	50-200			



QC Summary Data

Talon LPE 408 W Texas Ave Artesia NM, 88210	Project Name: Jennie Connar Project Number: 23052-0001 Project Manager: Chad Hensley	Reported: 12/30/2024 12:12:33PM
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Anions by EPA 300.0/9056A

Analyst: BA

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2348021-BLK1)

Prepared: 11/27/23 Analyzed: 11/28/23

Chloride ND 20.0

LCS (2348021-BS1)

Prepared: 11/27/23 Analyzed: 11/28/23

Chloride 252 20.0 250 101 90-110

Matrix Spike (2348021-MS1)

Source: E311166-04

Prepared: 11/27/23 Analyzed: 11/28/23

Chloride 3450 200 250 2770 271 80-120 M4

Matrix Spike Dup (2348021-MSD1)

Source: E311166-04

Prepared: 11/27/23 Analyzed: 11/28/23

Chloride 3130 200 250 2770 141 80-120 9.86 20 M4

QC Summary Report Comment:

Calculations are based off of the raw (non-rounded) data. However, for reporting purposes all QC data is rounded to three significant figures. Therefore, hand calculated values may differ slightly.



Definitions and Notes

Talon LPE 408 W Texas Ave Artesia NM, 88210	Project Name: Jennie Connar Project Number: 23052-0001 Project Manager: Chad Hensley	Reported: 12/30/24 12:12
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M4 Matrix spike recovery value is suspect since the analyte concentration in the sample is disproportionate to the spike level. The associated LCS spike recovery was acceptable.

ND Analyte NOT DETECTED at or above the reporting limit

NR Not Reported

RPD Relative Percent Difference

DNI Did Not Ignite

DNR Did not react with the addition of acid or base.

Note (1): Methods marked with ** are non-accredited methods.

Note (2): Soil data is reported on an "as received" weight basis, unless reported otherwise.



Client: Talon LPE		Bill To		Lab Use Only		TAT		EPA Program					
Project: Jennie Connor		Attention: Matador		Lab WO# E3111666		Job Number 230520001		1D	2D	3D	Standard	CWA	SDWA
Project Manager: C.Hensley		Address:		Analysis and Method								RCRA	
Address: 408 W. Texas Ave		City, State, Zip											
City, State, Zip Artesia, NM 88210		Phone:											
Phone: 575-746-8768		Email:											
Email: chensley@talonlpe.com		Report due by:											

Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Lab Number	TPH GRO/DRO/ORO by 8015	BTEX by 8021	VOC by 8260	Metals 6010	Chloride 300.0	NM COGDOB	TX GDOC	Remarks
1605	11/15/23	Soil	1	S-1 1'	1	✓	✓			✓			
1616				2'	2								
1620				4'	3								
1625				S-2 1'	4								
1629				2'	5								
1633				4'	6								
1641				S-3 1'	7								
1649				2'	8								
1656				4'	9								
1658				S-4 1'	10								

Additional Instructions:

I, (field sampler), attest to the validity and authenticity of this sample. I am aware that tampering with or intentionally mislabelling the sample location, date or time of collection is considered fraud and may be grounds for legal action. Samples requiring thermal preservation must be received on ice the day they are sampled or received packed in ice at an avg temp above 0 but less than 6 °C on subsequent days.

Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time	Lab Use Only Received on ice: <input checked="" type="radio"/> Y <input type="radio"/> N T1 _____ T2 _____ T3 _____ AVG Temp °C <u>4</u>
<i>[Signature]</i>	11-15-23		<i>Miaelle Euyh</i>	11-17-23	1500	
Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time	
<i>Miaelle Euyh</i>	11-17-23	1700	<i>Andrew Masso</i>	11-17-23	1800	
Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time	
<i>Andrew Masso</i>	11-17-23	2400	<i>[Signature]</i>	11-18-23	730	

Sample Matrix: S - Soil, Sd - Solid, Sg - Sludge, A - Aqueous, O - Other
 Container Type: g - glass, p - poly/plastic, ag - amber glass, v - VOA

Note: Samples are discarded 30 days after results are reported unless other arrangements are made. Hazardous samples will be returned to client or disposed of at the client expense. The report for the analysis of the above samples is applicable only to those samples received by the laboratory with this COC. The liability of the laboratory is limited to the amount paid for on the report.



Client: Talon LPE		Bill To		Lab Use Only		TAT		EPA Program					
Project: Jennie Connor		Attention: Matador		Lab WO# E3111666		Job Number 230520001		1D	2D	3D	Standard	CWA	SDWA
Project Manager: C.Hensley		Address:		Analysis and Method								RCRA	
Address: 408 W. Texas Ave		City, State, Zip		TPH GRO/DRO/ORO by 8015		BTEX by 8021		VOC by 8260		Metals 6010		Chloride 300.0	
City, State, Zip Artesia, NM 88210		Phone:		NM		BGDOC		XL		GDOC		State	
Phone: 575-746-8768		Email:		NM		CO		UT		AZ		TX	
Email: chensley@talonlpe.com		Report due by:										Remarks	

Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Lab Number	TPH GRO/DRO/ORO by 8015	BTEX by 8021	VOC by 8260	Metals 6010	Chloride 300.0	NM	XL	GDOC	Remarks
1705	11/15/23	Soil	1	S-4 2'	11	✓	✓			✓				
1712				4'	12									
1718				S-5 1'	13									
1727				2'	14									
1545				4'	15									

Additional Instructions:

I, (field sampler), attest to the validity and authenticity of this sample. I am aware that tampering with or intentionally mislabelling the sample location, date or time of collection is considered fraud and may be grounds for legal action. Samples requiring thermal preservation must be received on ice the day they are sampled or received packed in ice at an avg temp above 0 but less than 6 °C on subsequent days.

Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time	Lab Use Only Received on ice: <input checked="" type="checkbox"/> Y <input type="checkbox"/> N T1 _____ T2 _____ T3 _____ AVG Temp °C <u>4</u>
<i>[Signature]</i>	11-15-23		<i>[Signature]</i>	11-17-23	1500	
Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time	
<i>[Signature]</i>	11-17-23	1700	<i>[Signature]</i>	11-17-23	1800	
Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time	
<i>[Signature]</i>	11-17-23	2400	<i>[Signature]</i>	11-18-23	730	

Sample Matrix: S - Soil, Sd - Solid, Sg - Sludge, A - Aqueous, O - Other
 Container Type: g - glass, p - poly/plastic, ag - amber glass, v - VOA

Note: Samples are discarded 30 days after results are reported unless other arrangements are made. Hazardous samples will be returned to client or disposed of at the client expense. The report for the analysis of the above samples is applicable only to those samples received by the laboratory with this COC. The liability of the laboratory is limited to the amount paid for on the report.



Envirotech Analytical Laboratory

Printed: 11/20/2023 3:58:37PM

Sample Receipt Checklist (SRC)

Instructions: Please take note of any NO checkmarks.

If we receive no response concerning these items within 24 hours of the date of this notice, all the samples will be analyzed as requested.

Client: Talon LPE Date Received: 11/18/23 07:30 Work Order ID: E311166
Phone: (575) 746-8768 Date Logged In: 11/18/23 10:24 Logged In By: Alexa Michaels
Email: chensley@talonlpe.com Due Date: 11/29/23 17:00 (5 day TAT)

Chain of Custody (COC)

- 1. Does the sample ID match the COC? Yes
2. Does the number of samples per sampling site location match the COC? Yes
3. Were samples dropped off by client or carrier? Yes
4. Was the COC complete, i.e., signatures, dates/times, requested analyses? Yes
5. Were all samples received within holding time? Yes

Carrier: Courier

Note: Analysis, such as pH which should be conducted in the field, i.e, 15 minute hold time, are not included in this discussion.

Sample Turn Around Time (TAT)

- 6. Did the COC indicate standard TAT, or Expedited TAT? Yes

Sample Cooler

- 7. Was a sample cooler received? Yes
8. If yes, was cooler received in good condition? Yes
9. Was the sample(s) received intact, i.e., not broken? Yes
10. Were custody/security seals present? No
11. If yes, were custody/security seals intact? NA
12. Was the sample received on ice? If yes, the recorded temp is 4°C, i.e., 6±2°C? Yes

Note: Thermal preservation is not required, if samples are received w/i 15 minutes of sampling

- 13. If no visible ice, record the temperature. Actual sample temperature: 4°C

Sample Container

- 14. Are aqueous VOC samples present? No
15. Are VOC samples collected in VOA Vials? NA
16. Is the head space less than 6-8 mm (pea sized or less)? NA
17. Was a trip blank (TB) included for VOC analyses? NA
18. Are non-VOC samples collected in the correct containers? Yes
19. Is the appropriate volume/weight or number of sample containers collected? Yes

Field Label

- 20. Were field sample labels filled out with the minimum information:
Sample ID? Yes
Date/Time Collected? Yes
Collectors name? No

Sample Preservation

- 21. Does the COC or field labels indicate the samples were preserved? No
22. Are sample(s) correctly preserved? NA
24. Is lab filtration required and/or requested for dissolved metals? No

Multiphase Sample Matrix

- 26. Does the sample have more than one phase, i.e., multiphase? No
27. If yes, does the COC specify which phase(s) is to be analyzed? NA

Subcontract Laboratory

- 28. Are samples required to get sent to a subcontract laboratory? No
29. Was a subcontract laboratory specified by the client and if so who? NA Subcontract Lab: NA

Client Instruction

Empty box for Client Instruction

Comments/Resolution

Large empty box for Comments/Resolution

Signature of client authorizing changes to the COC or sample disposition.

Date



envirotech Inc.

Report to:
Chad Hensley



envirotech

Practical Solutions for a Better Tomorrow

Analytical Report

Talon LPE

Project Name: Janie Connar

Work Order: E312063

Job Number: 23052-0001

Received: 12/11/2023

Revision: 1

Report Reviewed By:

Walter Hinchman
Laboratory Director
12/15/23

5796 U.S. Hwy 64
Farmington, NM 87401

Phone: (505) 632-1881
Envirotech-inc.com



Envirotech Inc. certifies the test results meet all requirements of TNI unless noted otherwise.
Statement of Data Authenticity: Envirotech Inc, attests the data reported has not been altered in any way.
Partial or incomplete reproduction of this report is prohibited, unless approved by Envirotech Inc.
Envirotech Inc, holds the Utah TNI certification NM00979 for data reported.
Envirotech Inc, holds the Texas TNI certification T104704557 for data reported.

Date Reported: 12/15/23



Chad Hensley
408 W Texas Ave
Artesia, NM 88210

Project Name: Janie Connar
Workorder: E312063
Date Received: 12/11/2023 7:30:00AM

Chad Hensley,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 12/11/2023 7:30:00AM, under the Project Name: Janie Connar.

The analytical test results summarized in this report with the Project Name: Janie Connar apply to the individual samples collected, identified and submitted bearing the project name on the enclosed chain-of-custody. Subcontracted sample analyses not conducted by Envirotech, Inc., are attached in full as issued by the subcontract laboratory.

Please review the Chain-of-Custody (COC) and Sample Receipt Checklist (SRC) for any issues regarding sample receipt temperature, containers, preservation etc. To best understand your test results, review the entire report summarizing your sample data and the associated quality control batch data.

All reported data in this analytical report were analyzed according to the referenced method(s) and are in compliance with the latest NELAC/TNI standards, unless otherwise noted. Samples or analytical quality control parameters not meeting specific QC criteria are qualified with a data flag. Data flag definitions are located in the Notes and Definitions section of this analytical report.

If you have any questions concerning this report, please feel free to contact Envirotech, Inc.

Respectfully,

Walter Hinchman
Laboratory Director
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Cell: 775-287-1762
whinchman@envirotech-inc.com

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Sample Summary

Talon LPE 408 W Texas Ave Artesia NM, 88210	Project Name: Janie Connar Project Number: 23052-0001 Project Manager: Chad Hensley	Reported: 12/15/23 16:51
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Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
TT-1 5'	E312063-01A	Soil	12/07/23	12/11/23	Glass Jar, 2 oz.
TT-1 6'	E312063-02A	Soil	12/07/23	12/11/23	Glass Jar, 2 oz.
TT-1 8'	E312063-03A	Soil	12/07/23	12/11/23	Glass Jar, 2 oz.
TT-2 5'	E312063-04A	Soil	12/07/23	12/11/23	Glass Jar, 2 oz.
TT-2 6'	E312063-05A	Soil	12/07/23	12/11/23	Glass Jar, 2 oz.
TT-2 8'	E312063-06A	Soil	12/07/23	12/11/23	Glass Jar, 2 oz.
TT-3 5'	E312063-07A	Soil	12/07/23	12/11/23	Glass Jar, 2 oz.
TT-3 6'	E312063-08A	Soil	12/07/23	12/11/23	Glass Jar, 2 oz.
TT-3 8'	E312063-09A	Soil	12/07/23	12/11/23	Glass Jar, 2 oz.



Sample Data

Talon LPE 408 W Texas Ave Artesia NM, 88210	Project Name: Janie Connor Project Number: 23052-0001 Project Manager: Chad Hensley	Reported: 12/15/2023 4:51:36PM
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TT-1 5'

E312063-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2350022
Benzene	ND	0.0250	1	12/11/23	12/14/23	
Ethylbenzene	ND	0.0250	1	12/11/23	12/14/23	
Toluene	ND	0.0250	1	12/11/23	12/14/23	
o-Xylene	ND	0.0250	1	12/11/23	12/14/23	
p,m-Xylene	ND	0.0500	1	12/11/23	12/14/23	
Total Xylenes	ND	0.0250	1	12/11/23	12/14/23	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	92.3 %	70-130		12/11/23	12/14/23	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2350022
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/11/23	12/14/23	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	91.2 %	70-130		12/11/23	12/14/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: KM		Batch: 2350043
Diesel Range Organics (C10-C28)	ND	25.0	1	12/12/23	12/15/23	
Oil Range Organics (C28-C36)	ND	50.0	1	12/12/23	12/15/23	
<i>Surrogate: n-Nonane</i>						
	99.9 %	50-200		12/12/23	12/15/23	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: BA		Batch: 2350018
Chloride	9980	200	10	12/13/23	12/14/23	



Sample Data

Talon LPE 408 W Texas Ave Artesia NM, 88210	Project Name: Janie Connor Project Number: 23052-0001 Project Manager: Chad Hensley	Reported: 12/15/2023 4:51:36PM
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TT-1 6'

E312063-02

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg		Analyst: RKS		Batch: 2350022
Benzene	ND	0.0250	1	12/11/23	12/14/23	
Ethylbenzene	ND	0.0250	1	12/11/23	12/14/23	
Toluene	ND	0.0250	1	12/11/23	12/14/23	
o-Xylene	ND	0.0250	1	12/11/23	12/14/23	
p,m-Xylene	ND	0.0500	1	12/11/23	12/14/23	
Total Xylenes	ND	0.0250	1	12/11/23	12/14/23	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		91.2 %	70-130	12/11/23	12/14/23	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: RKS		Batch: 2350022
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/11/23	12/14/23	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		90.6 %	70-130	12/11/23	12/14/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: KM		Batch: 2350043
Diesel Range Organics (C10-C28)	ND	25.0	1	12/12/23	12/15/23	
Oil Range Organics (C28-C36)	ND	50.0	1	12/12/23	12/15/23	
<i>Surrogate: n-Nonane</i>		96.3 %	50-200	12/12/23	12/15/23	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: BA		Batch: 2350018
Chloride	6000	200	10	12/13/23	12/14/23	



Sample Data

Talon LPE 408 W Texas Ave Artesia NM, 88210	Project Name: Janie Connor Project Number: 23052-0001 Project Manager: Chad Hensley	Reported: 12/15/2023 4:51:36PM
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TT-1 8'

E312063-03

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg		Analyst: RKS		Batch: 2350022
Benzene	ND	0.0250	1	12/11/23	12/14/23	
Ethylbenzene	ND	0.0250	1	12/11/23	12/14/23	
Toluene	ND	0.0250	1	12/11/23	12/14/23	
o-Xylene	ND	0.0250	1	12/11/23	12/14/23	
p,m-Xylene	ND	0.0500	1	12/11/23	12/14/23	
Total Xylenes	ND	0.0250	1	12/11/23	12/14/23	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		91.9 %	70-130	12/11/23	12/14/23	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: RKS		Batch: 2350022
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/11/23	12/14/23	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		91.4 %	70-130	12/11/23	12/14/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: KM		Batch: 2350043
Diesel Range Organics (C10-C28)	ND	25.0	1	12/12/23	12/15/23	
Oil Range Organics (C28-C36)	ND	50.0	1	12/12/23	12/15/23	
<i>Surrogate: n-Nonane</i>		98.1 %	50-200	12/12/23	12/15/23	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: BA		Batch: 2350018
Chloride	8580	200	10	12/13/23	12/14/23	



Sample Data

Talon LPE 408 W Texas Ave Artesia NM, 88210	Project Name: Janie Connor Project Number: 23052-0001 Project Manager: Chad Hensley	Reported: 12/15/2023 4:51:36PM
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TT-2 5'

E312063-04

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg		Analyst: RKS		Batch: 2350022
Benzene	ND	0.0250	1	12/11/23	12/14/23	
Ethylbenzene	ND	0.0250	1	12/11/23	12/14/23	
Toluene	ND	0.0250	1	12/11/23	12/14/23	
o-Xylene	ND	0.0250	1	12/11/23	12/14/23	
p,m-Xylene	ND	0.0500	1	12/11/23	12/14/23	
Total Xylenes	ND	0.0250	1	12/11/23	12/14/23	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		92.2 %	70-130	12/11/23	12/14/23	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: RKS		Batch: 2350022
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/11/23	12/14/23	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		91.7 %	70-130	12/11/23	12/14/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: KM		Batch: 2350043
Diesel Range Organics (C10-C28)	ND	25.0	1	12/12/23	12/15/23	
Oil Range Organics (C28-C36)	ND	50.0	1	12/12/23	12/15/23	
<i>Surrogate: n-Nonane</i>		99.3 %	50-200	12/12/23	12/15/23	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: BA		Batch: 2350018
Chloride	4730	200	10	12/13/23	12/14/23	



Sample Data

Talon LPE 408 W Texas Ave Artesia NM, 88210	Project Name: Janie Connor Project Number: 23052-0001 Project Manager: Chad Hensley	Reported: 12/15/2023 4:51:36PM
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TT-2 6'

E312063-05

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2350022
Benzene	ND	0.0250	1	12/11/23	12/14/23	
Ethylbenzene	ND	0.0250	1	12/11/23	12/14/23	
Toluene	ND	0.0250	1	12/11/23	12/14/23	
o-Xylene	ND	0.0250	1	12/11/23	12/14/23	
p,m-Xylene	ND	0.0500	1	12/11/23	12/14/23	
Total Xylenes	ND	0.0250	1	12/11/23	12/14/23	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		91.8 %	70-130	12/11/23	12/14/23	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2350022
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/11/23	12/14/23	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		91.8 %	70-130	12/11/23	12/14/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: KM		Batch: 2350043
Diesel Range Organics (C10-C28)	ND	25.0	1	12/12/23	12/15/23	
Oil Range Organics (C28-C36)	ND	50.0	1	12/12/23	12/15/23	
<i>Surrogate: n-Nonane</i>						
		95.9 %	50-200	12/12/23	12/15/23	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: BA		Batch: 2350018
Chloride	3210	40.0	2	12/13/23	12/14/23	



Sample Data

Talon LPE 408 W Texas Ave Artesia NM, 88210	Project Name: Janie Connor Project Number: 23052-0001 Project Manager: Chad Hensley	Reported: 12/15/2023 4:51:36PM
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TT-2 8'

E312063-06

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2350022
Benzene	ND	0.0250	1	12/11/23	12/13/23	
Ethylbenzene	ND	0.0250	1	12/11/23	12/13/23	
Toluene	ND	0.0250	1	12/11/23	12/13/23	
o-Xylene	ND	0.0250	1	12/11/23	12/13/23	
p,m-Xylene	ND	0.0500	1	12/11/23	12/13/23	
Total Xylenes	ND	0.0250	1	12/11/23	12/13/23	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		93.5 %	70-130	12/11/23	12/13/23	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2350022
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/11/23	12/13/23	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		89.5 %	70-130	12/11/23	12/13/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: KM		Batch: 2350043
Diesel Range Organics (C10-C28)	ND	25.0	1	12/12/23	12/15/23	
Oil Range Organics (C28-C36)	ND	50.0	1	12/12/23	12/15/23	
<i>Surrogate: n-Nonane</i>						
		100 %	50-200	12/12/23	12/15/23	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: BA		Batch: 2350018
Chloride	3780	100	5	12/13/23	12/14/23	



Sample Data

Talon LPE 408 W Texas Ave Artesia NM, 88210	Project Name: Janie Connar Project Number: 23052-0001 Project Manager: Chad Hensley	Reported: 12/15/2023 4:51:36PM
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TT-3 5'

E312063-07

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2350022
Benzene	ND	0.0250	1	12/11/23	12/14/23	
Ethylbenzene	ND	0.0250	1	12/11/23	12/14/23	
Toluene	ND	0.0250	1	12/11/23	12/14/23	
o-Xylene	ND	0.0250	1	12/11/23	12/14/23	
p,m-Xylene	ND	0.0500	1	12/11/23	12/14/23	
Total Xylenes	ND	0.0250	1	12/11/23	12/14/23	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		91.1 %	70-130	12/11/23	12/14/23	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2350022
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/11/23	12/14/23	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		92.3 %	70-130	12/11/23	12/14/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: KM		Batch: 2350043
Diesel Range Organics (C10-C28)	ND	25.0	1	12/12/23	12/15/23	
Oil Range Organics (C28-C36)	ND	50.0	1	12/12/23	12/15/23	
<i>Surrogate: n-Nonane</i>						
		96.8 %	50-200	12/12/23	12/15/23	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: BA		Batch: 2350018
Chloride	3890	200	10	12/13/23	12/14/23	



Sample Data

Talon LPE 408 W Texas Ave Artesia NM, 88210	Project Name: Janie Connar Project Number: 23052-0001 Project Manager: Chad Hensley	Reported: 12/15/2023 4:51:36PM
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TT-3 6'

E312063-08

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2350022
Benzene	ND	0.0250	1	12/11/23	12/14/23	
Ethylbenzene	ND	0.0250	1	12/11/23	12/14/23	
Toluene	ND	0.0250	1	12/11/23	12/14/23	
o-Xylene	ND	0.0250	1	12/11/23	12/14/23	
p,m-Xylene	ND	0.0500	1	12/11/23	12/14/23	
Total Xylenes	ND	0.0250	1	12/11/23	12/14/23	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		92.7 %	70-130	12/11/23	12/14/23	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2350022
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/11/23	12/14/23	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		91.5 %	70-130	12/11/23	12/14/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: KM		Batch: 2350043
Diesel Range Organics (C10-C28)	ND	25.0	1	12/12/23	12/15/23	
Oil Range Organics (C28-C36)	ND	50.0	1	12/12/23	12/15/23	
<i>Surrogate: n-Nonane</i>						
		97.1 %	50-200	12/12/23	12/15/23	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: BA		Batch: 2350018
Chloride	2790	200	10	12/13/23	12/14/23	



Sample Data

Talon LPE 408 W Texas Ave Artesia NM, 88210	Project Name: Janie Connor Project Number: 23052-0001 Project Manager: Chad Hensley	Reported: 12/15/2023 4:51:36PM
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TT-3 8'

E312063-09

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2350022
Benzene	ND	0.0250	1	12/11/23	12/14/23	
Ethylbenzene	ND	0.0250	1	12/11/23	12/14/23	
Toluene	ND	0.0250	1	12/11/23	12/14/23	
o-Xylene	ND	0.0250	1	12/11/23	12/14/23	
p,m-Xylene	ND	0.0500	1	12/11/23	12/14/23	
Total Xylenes	ND	0.0250	1	12/11/23	12/14/23	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		92.0 %	70-130	12/11/23	12/14/23	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2350022
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/11/23	12/14/23	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		91.5 %	70-130	12/11/23	12/14/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: KM		Batch: 2350043
Diesel Range Organics (C10-C28)	ND	25.0	1	12/12/23	12/15/23	
Oil Range Organics (C28-C36)	ND	50.0	1	12/12/23	12/15/23	
<i>Surrogate: n-Nonane</i>						
		96.7 %	50-200	12/12/23	12/15/23	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: BA		Batch: 2350018
Chloride	831	20.0	1	12/13/23	12/14/23	



QC Summary Data

Talon LPE 408 W Texas Ave Artesia NM, 88210	Project Name: Janie Connar Project Number: 23052-0001 Project Manager: Chad Hensley	Reported: 12/15/2023 4:51:36PM
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Volatile Organics by EPA 8021B

Analyst: RKS

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2350022-BLK1)

Prepared: 12/11/23 Analyzed: 12/13/23

Benzene	ND	0.0250							
Ethylbenzene	ND	0.0250							
Toluene	ND	0.0250							
o-Xylene	ND	0.0250							
p,m-Xylene	ND	0.0500							
Total Xylenes	ND	0.0250							
Surrogate: 4-Bromochlorobenzene-PID	7.45		8.00		93.2	70-130			

LCS (2350022-BS1)

Prepared: 12/11/23 Analyzed: 12/13/23

Benzene	5.15	0.0250	5.00		103	70-130			
Ethylbenzene	5.06	0.0250	5.00		101	70-130			
Toluene	5.13	0.0250	5.00		103	70-130			
o-Xylene	5.08	0.0250	5.00		102	70-130			
p,m-Xylene	10.3	0.0500	10.0		103	70-130			
Total Xylenes	15.4	0.0250	15.0		103	70-130			
Surrogate: 4-Bromochlorobenzene-PID	7.54		8.00		94.3	70-130			

Matrix Spike (2350022-MS1)

Source: E312063-06

Prepared: 12/11/23 Analyzed: 12/13/23

Benzene	5.42	0.0250	5.00	ND	108	54-133			
Ethylbenzene	5.33	0.0250	5.00	ND	107	61-133			
Toluene	5.40	0.0250	5.00	ND	108	61-130			
o-Xylene	5.35	0.0250	5.00	ND	107	63-131			
p,m-Xylene	10.9	0.0500	10.0	ND	109	63-131			
Total Xylenes	16.2	0.0250	15.0	ND	108	63-131			
Surrogate: 4-Bromochlorobenzene-PID	7.60		8.00		95.0	70-130			

Matrix Spike Dup (2350022-MSD1)

Source: E312063-06

Prepared: 12/11/23 Analyzed: 12/13/23

Benzene	5.54	0.0250	5.00	ND	111	54-133	2.36	20	
Ethylbenzene	5.45	0.0250	5.00	ND	109	61-133	2.22	20	
Toluene	5.53	0.0250	5.00	ND	111	61-130	2.46	20	
o-Xylene	5.46	0.0250	5.00	ND	109	63-131	2.17	20	
p,m-Xylene	11.1	0.0500	10.0	ND	111	63-131	2.15	20	
Total Xylenes	16.6	0.0250	15.0	ND	110	63-131	2.15	20	
Surrogate: 4-Bromochlorobenzene-PID	7.74		8.00		96.8	70-130			



QC Summary Data

Talon LPE 408 W Texas Ave Artesia NM, 88210	Project Name: Janie Connar Project Number: 23052-0001 Project Manager: Chad Hensley	Reported: 12/15/2023 4:51:36PM
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Nonhalogenated Organics by EPA 8015D - GRO

Analyst: RKS

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2350022-BLK1)

Prepared: 12/11/23 Analyzed: 12/13/23

Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.12		8.00		89.1	70-130			

LCS (2350022-BS2)

Prepared: 12/11/23 Analyzed: 12/13/23

Gasoline Range Organics (C6-C10)	46.4	20.0	50.0		92.8	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.19		8.00		89.8	70-130			

Matrix Spike (2350022-MS2)

Source: E312063-06

Prepared: 12/11/23 Analyzed: 12/13/23

Gasoline Range Organics (C6-C10)	43.1	20.0	50.0	ND	86.2	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.42		8.00		92.7	70-130			

Matrix Spike Dup (2350022-MSD2)

Source: E312063-06

Prepared: 12/11/23 Analyzed: 12/13/23

Gasoline Range Organics (C6-C10)	40.2	20.0	50.0	ND	80.4	70-130	6.94	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.43		8.00		92.9	70-130			



QC Summary Data

Talon LPE 408 W Texas Ave Artesia NM, 88210	Project Name: Janie Connar Project Number: 23052-0001 Project Manager: Chad Hensley	Reported: 12/15/2023 4:51:36PM
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Nonhalogenated Organics by EPA 8015D - DRO/ORO

Analyst: KM

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2350043-BLK1)

Prepared: 12/12/23 Analyzed: 12/14/23

Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	49.5		50.0		99.1	50-200			

LCS (2350043-BS1)

Prepared: 12/12/23 Analyzed: 12/14/23

Diesel Range Organics (C10-C28)	263	25.0	250		105	38-132			
Surrogate: n-Nonane	51.4		50.0		103	50-200			

Matrix Spike (2350043-MS1)

Source: E312063-02

Prepared: 12/12/23 Analyzed: 12/14/23

Diesel Range Organics (C10-C28)	290	25.0	250	ND	116	38-132			
Surrogate: n-Nonane	54.0		50.0		108	50-200			

Matrix Spike Dup (2350043-MSD1)

Source: E312063-02

Prepared: 12/12/23 Analyzed: 12/14/23

Diesel Range Organics (C10-C28)	271	25.0	250	ND	108	38-132	6.93	20	
Surrogate: n-Nonane	51.8		50.0		104	50-200			



QC Summary Data

Talon LPE 408 W Texas Ave Artesia NM, 88210	Project Name: Janie Connar Project Number: 23052-0001 Project Manager: Chad Hensley	Reported: 12/15/2023 4:51:36PM
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Anions by EPA 300.0/9056A

Analyst: BA

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2350018-BLK1)

Prepared: 12/11/23 Analyzed: 12/14/23

Chloride ND 20.0

LCS (2350018-BS1)

Prepared: 12/11/23 Analyzed: 12/14/23

Chloride 249 20.0 250 99.7 90-110

Matrix Spike (2350018-MS1)

Source: E312055-04

Prepared: 12/11/23 Analyzed: 12/14/23

Chloride 823 20.0 250 634 75.3 80-120 M2

Matrix Spike Dup (2350018-MSD1)

Source: E312055-04

Prepared: 12/11/23 Analyzed: 12/14/23

Chloride 821 20.0 250 634 74.5 80-120 0.240 20 M2

QC Summary Report Comment:

Calculations are based off of the raw (non-rounded) data. However, for reporting purposes all QC data is rounded to three significant figures. Therefore, hand calculated values may differ slightly.



Definitions and Notes

Talon LPE 408 W Texas Ave Artesia NM, 88210	Project Name: Janie Connar Project Number: 23052-0001 Project Manager: Chad Hensley	Reported: 12/15/23 16:51
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M2 Matrix spike recovery was outside quality control limits. The associated LCS spike recovery was acceptable.

ND Analyte NOT DETECTED at or above the reporting limit

NR Not Reported

RPD Relative Percent Difference

DNI Did Not Ignite

DNR Did not react with the addition of acid or base.

Note (1): Methods marked with ** are non-accredited methods.

Note (2): Soil data is reported on an "as received" weight basis, unless reported otherwise.



Client: Talon LPE		Bill To		Lab Use Only		TAT			EPA Program		
Project: Janie Connor		Attention: Matador		Lab WO#		1D	2D	3D	Standard	CWA	SDWA
Project Manager: C.Hensley		Address: Clint Talley		E312063		23052-000		x	x		
Address: 408 W. Texas Ave		City, State, Zip		Analysis and Method							
City, State, Zip Artesia, NM 88210		Phone:		TPH GRO/DRO/ORO by 8015	BTEX by 8021	VOC by 8260	Metals 6010	Chloride 300.0	NM	TX	RCRA
Phone: 575-746-8768		Email:		State							
Email: chensley@talonlpe.com		Report due by:		NM CO UT AZ TX							
				X							

Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Lab Number	TPH GRO/DRO/ORO by 8015	BTEX by 8021	VOC by 8260	Metals 6010	Chloride 300.0	NM	TX	Remarks
1000	12/07/23	soil	1	TT-1 5'	1	x	x			x			
1010				6'	2								
1021				8'	3								
1026				TT-2 5'	4								
1038				6'	5								
1044				8'	6								
1102				TT-3 5'	7								
1111				6'	8								
1126				8'	9								

Additional Instructions:

I, (field sampler), attest to the validity and authenticity of this sample. I am aware that tampering with or intentionally mislabelling the sample location, date or time of collection is considered fraud and may be grounds for legal action. **Sampled by:** _____

Samples requiring thermal preservation must be received on ice the day they are sampled or received packed in ice at an avg temp above 0 but less than 6 °C on subsequent days.

Relinquished by: (Signature) _____	Date 12/07/23	Time	Received by: (Signature) _____	Date 12-8-23	Time 1312	Lab Use Only
Relinquished by: (Signature) _____	Date 12-8-23	Time 1515	Received by: (Signature) _____	Date 12-9-23	Time 1500	Received on ice: Y / N
Relinquished by: (Signature) _____	Date 12-9-23	Time 2100	Received by: (Signature) _____	Date 12/11/23	Time 7:30	T1 _____ T2 _____ T3 _____
Sample Matrix: S - Soil, Sd - Solid, Sg - Sludge, A - Aqueous, O - Other _____						AVG Temp °C 4

Container Type: g - glass, p - poly/plastic, ag - amber glass, v - VOA

Note: Samples are discarded 30 days after results are reported unless other arrangements are made. Hazardous samples will be returned to client or disposed of at the client expense. The report for the analysis of the above samples is applicable only to those samples received by the laboratory with this COC. The liability of the laboratory is limited to the amount paid for on the report.



Envirotech Analytical Laboratory

Printed: 12/11/2023 10:35:48AM

Sample Receipt Checklist (SRC)

Instructions: Please take note of any NO checkmarks.

If we receive no response concerning these items within 24 hours of the date of this notice, all the samples will be analyzed as requested.

Client: Talon LPE Date Received: 12/11/23 07:30 Work Order ID: E312063
Phone: (575) 746-8768 Date Logged In: 12/11/23 09:21 Logged In By: Jordan Montano
Email: chensley@talonlpe.com Due Date: 12/18/23 17:00 (5 day TAT)

Chain of Custody (COC)

- 1. Does the sample ID match the COC? Yes
2. Does the number of samples per sampling site location match the COC? Yes
3. Were samples dropped off by client or carrier? Yes
4. Was the COC complete, i.e., signatures, dates/times, requested analyses? Yes
5. Were all samples received within holding time? Yes

Carrier: Courier

Note: Analysis, such as pH which should be conducted in the field, i.e, 15 minute hold time, are not included in this discussion.

Sample Turn Around Time (TAT)

- 6. Did the COC indicate standard TAT, or Expedited TAT? Yes

Sample Cooler

- 7. Was a sample cooler received? Yes
8. If yes, was cooler received in good condition? Yes
9. Was the sample(s) received intact, i.e., not broken? Yes
10. Were custody/security seals present? No
11. If yes, were custody/security seals intact? NA
12. Was the sample received on ice? If yes, the recorded temp is 4°C, i.e., 6±2°C? Yes

Note: Thermal preservation is not required, if samples are received w/i 15 minutes of sampling

- 13. If no visible ice, record the temperature. Actual sample temperature: 4°C

Sample Container

- 14. Are aqueous VOC samples present? No
15. Are VOC samples collected in VOA Vials? NA
16. Is the head space less than 6-8 mm (pea sized or less)? NA
17. Was a trip blank (TB) included for VOC analyses? NA
18. Are non-VOC samples collected in the correct containers? Yes
19. Is the appropriate volume/weight or number of sample containers collected? Yes

Field Label

- 20. Were field sample labels filled out with the minimum information:
Sample ID? Yes
Date/Time Collected? Yes
Collectors name? No

Sample Preservation

- 21. Does the COC or field labels indicate the samples were preserved? No
22. Are sample(s) correctly preserved? NA
24. Is lab filtration required and/or requested for dissolved metals? No

Multiphase Sample Matrix

- 26. Does the sample have more than one phase, i.e., multiphase? No
27. If yes, does the COC specify which phase(s) is to be analyzed? NA

Subcontract Laboratory

- 28. Are samples required to get sent to a subcontract laboratory? No
29. Was a subcontract laboratory specified by the client and if so who? NA Subcontract Lab: NA

Client Instruction

Empty box for client instruction.

Comments/Resolution

Large empty box for comments/resolution.

Signature of client authorizing changes to the COC or sample disposition.

Date



envirotech Inc.



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

July 23, 2024

KAYLA TAYLOR
TALON LPE
408 W. TEXAS AVE.
ARTESIA, NM 88210

RE: JANIE CONNER CTB

Enclosed are the results of analyses for samples received by the laboratory on 07/18/24 13:50.

Cardinal Laboratories is accredited through Texas NELAP under certificate number TX-C24-00112. 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".

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:	07/18/2024	Sampling Date:	07/17/2024
Reported:	07/23/2024	Sampling Type:	Soil
Project Name:	JANIE CONNER CTB	Sampling Condition:	Cool & Intact
Project Number:	702500.076.01	Sample Received By:	Shalyn Rodriguez
Project Location:	MATADOR - EDDY CO NM		

Sample ID: S - 1 @ 4' (H244314-01)

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	07/20/2024	ND	2.16	108	2.00	0.523	
Toluene*	<0.050	0.050	07/20/2024	ND	2.43	122	2.00	3.17	
Ethylbenzene*	<0.050	0.050	07/20/2024	ND	2.40	120	2.00	3.75	
Total Xylenes*	<0.150	0.150	07/20/2024	ND	7.49	125	6.00	4.18	
Total BTEX	<0.300	0.300	07/20/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 128 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: CT					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1540	16.0	07/22/2024	ND	432	108	400	0.00	

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	07/19/2024	ND	225	112	200	8.85	
DRO >C10-C28*	<10.0	10.0	07/19/2024	ND	209	105	200	13.5	
EXT DRO >C28-C36	<10.0	10.0	07/19/2024	ND					

Surrogate: 1-Chlorooctane 118 % 48.2-134

Surrogate: 1-Chlorooctadecane 130 % 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:	07/18/2024	Sampling Date:	07/17/2024
Reported:	07/23/2024	Sampling Type:	Soil
Project Name:	JANIE CONNER CTB	Sampling Condition:	Cool & Intact
Project Number:	702500.076.01	Sample Received By:	Shalyn Rodriguez
Project Location:	MATADOR - EDDY CO NM		

Sample ID: S - 1 @ 6' (H244314-02)

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	07/20/2024	ND	2.16	108	2.00	0.523	
Toluene*	<0.050	0.050	07/20/2024	ND	2.43	122	2.00	3.17	
Ethylbenzene*	<0.050	0.050	07/20/2024	ND	2.40	120	2.00	3.75	
Total Xylenes*	<0.150	0.150	07/20/2024	ND	7.49	125	6.00	4.18	
Total BTEX	<0.300	0.300	07/20/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 117 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: CT					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	944	16.0	07/22/2024	ND	432	108	400	0.00	

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	07/19/2024	ND	225	112	200	8.85	
DRO >C10-C28*	<10.0	10.0	07/19/2024	ND	209	105	200	13.5	
EXT DRO >C28-C36	<10.0	10.0	07/19/2024	ND					

Surrogate: 1-Chlorooctane 120 % 48.2-134

Surrogate: 1-Chlorooctadecane 132 % 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:	07/18/2024	Sampling Date:	07/17/2024
Reported:	07/23/2024	Sampling Type:	Soil
Project Name:	JANIE CONNER CTB	Sampling Condition:	Cool & Intact
Project Number:	702500.076.01	Sample Received By:	Shalyn Rodriguez
Project Location:	MATADOR - EDDY CO NM		

Sample ID: S - 1 @ 8' (H244314-03)

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	07/20/2024	ND	2.12	106	2.00	4.32	
Toluene*	<0.050	0.050	07/20/2024	ND	2.26	113	2.00	2.65	
Ethylbenzene*	<0.050	0.050	07/20/2024	ND	2.30	115	2.00	1.09	
Total Xylenes*	<0.150	0.150	07/20/2024	ND	7.12	119	6.00	0.922	
Total BTEX	<0.300	0.300	07/20/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 109 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: CT					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	368	16.0	07/22/2024	ND	432	108	400	0.00	

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	07/20/2024	ND	225	112	200	8.85	
DRO >C10-C28*	<10.0	10.0	07/20/2024	ND	209	105	200	13.5	
EXT DRO >C28-C36	<10.0	10.0	07/20/2024	ND					

Surrogate: 1-Chlorooctane 116 % 48.2-134

Surrogate: 1-Chlorooctadecane 127 % 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:	07/18/2024	Sampling Date:	07/17/2024
Reported:	07/23/2024	Sampling Type:	Soil
Project Name:	JANIE CONNER CTB	Sampling Condition:	Cool & Intact
Project Number:	702500.076.01	Sample Received By:	Shalyn Rodriguez
Project Location:	MATADOR - EDDY CO NM		

Sample ID: S - 1 @ 10' (H244314-04)

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	07/20/2024	ND	2.12	106	2.00	4.32	
Toluene*	<0.050	0.050	07/20/2024	ND	2.26	113	2.00	2.65	
Ethylbenzene*	<0.050	0.050	07/20/2024	ND	2.30	115	2.00	1.09	
Total Xylenes*	<0.150	0.150	07/20/2024	ND	7.12	119	6.00	0.922	
Total BTEX	<0.300	0.300	07/20/2024	ND					

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: CT					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	928	16.0	07/22/2024	ND	432	108	400	0.00	

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	07/20/2024	ND	225	112	200	8.85	
DRO >C10-C28*	<10.0	10.0	07/20/2024	ND	209	105	200	13.5	
EXT DRO >C28-C36	<10.0	10.0	07/20/2024	ND					

Surrogate: 1-Chlorooctane 117 % 48.2-134

Surrogate: 1-Chlorooctadecane 127 % 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:	07/18/2024	Sampling Date:	07/17/2024
Reported:	07/23/2024	Sampling Type:	Soil
Project Name:	JANIE CONNER CTB	Sampling Condition:	Cool & Intact
Project Number:	702500.076.01	Sample Received By:	Shalyn Rodriguez
Project Location:	MATADOR - EDDY CO NM		

Sample ID: S - 1 @ 12' (H244314-05)

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	07/20/2024	ND	2.12	106	2.00	4.32	
Toluene*	<0.050	0.050	07/20/2024	ND	2.26	113	2.00	2.65	
Ethylbenzene*	<0.050	0.050	07/20/2024	ND	2.30	115	2.00	1.09	
Total Xylenes*	<0.150	0.150	07/20/2024	ND	7.12	119	6.00	0.922	
Total BTEX	<0.300	0.300	07/20/2024	ND					

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: CT					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1460	16.0	07/22/2024	ND	432	108	400	0.00	

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	07/20/2024	ND	225	112	200	8.85	
DRO >C10-C28*	<10.0	10.0	07/20/2024	ND	209	105	200	13.5	
EXT DRO >C28-C36	<10.0	10.0	07/20/2024	ND					

Surrogate: 1-Chlorooctane 115 % 48.2-134

Surrogate: 1-Chlorooctadecane 124 % 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:	07/18/2024	Sampling Date:	07/17/2024
Reported:	07/23/2024	Sampling Type:	Soil
Project Name:	JANIE CONNER CTB	Sampling Condition:	Cool & Intact
Project Number:	702500.076.01	Sample Received By:	Shalyn Rodriguez
Project Location:	MATADOR - EDDY CO NM		

Sample ID: S - 1 @ 14' (H244314-06)

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	07/20/2024	ND	2.12	106	2.00	4.32	
Toluene*	<0.050	0.050	07/20/2024	ND	2.26	113	2.00	2.65	
Ethylbenzene*	<0.050	0.050	07/20/2024	ND	2.30	115	2.00	1.09	
Total Xylenes*	<0.150	0.150	07/20/2024	ND	7.12	119	6.00	0.922	
Total BTEX	<0.300	0.300	07/20/2024	ND					

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: CT					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1740	16.0	07/22/2024	ND	432	108	400	0.00	

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	07/20/2024	ND	225	112	200	8.85	
DRO >C10-C28*	<10.0	10.0	07/20/2024	ND	209	105	200	13.5	
EXT DRO >C28-C36	<10.0	10.0	07/20/2024	ND					

Surrogate: 1-Chlorooctane 115 % 48.2-134

Surrogate: 1-Chlorooctadecane 124 % 49.1-148

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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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Celey D. Keene, Lab Director/Quality Manager



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

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Company Name: Talon LPE Project Manager: K. Taylor Address: 408 W. Texas Ave City: Artesia State: NM Zip: _____ Phone #: 432-210-5443 Fax #: _____ Project #: 762500, 0716 Project Owner: Matabur Project Name: Janie Conner-CTR Project Location: George Eddy Co, NM Sampler Name: K. Taylor		P.O. #: _____ Company: _____ Attn: _____ Address: _____ City: _____ State: _____ Zip: _____ Phone #: _____ Fax #: _____	
BILL TO		ANALYSIS REQUEST	
FOR LAB USE ONLY			
Lab I.D.	Sample I.D.	(G)RAB OR (C)OMP.	# CONTAINERS
1044314 10345 10346 10347	S-1 @ 4' S-1 @ 6' S-1 @ 8' S-1 @ 10' S-1 @ 12' S-1 @ 14'	G 1 G 1 G 1 G 1 G 1 G 1	1 1 1 1 1 1
		MATRIX	
		PRESERV.	
		SAMPLING	
		DATE	TIME
		7-17-24	1000
		↑	1005
		↑	1010
		↑	1015
		↑	1020
		↑	1025
		↑	1030
		↑	1035
		↑	1040
		↑	1045
		↑	1050
		↑	1055
		↑	1100
		↑	1105
		↑	1110
		↑	1115
		↑	1120
		↑	1125
		↑	1130
		↑	1135
		↑	1140
		↑	1145
		↑	1150
		↑	1155
		↑	1200
		↑	1205
		↑	1210
		↑	1215
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PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

July 23, 2024

KAYLA TAYLOR
TALON LPE
408 W. TEXAS AVE.
ARTESIA, NM 88210

RE: JANIE CONNER CTB

Enclosed are the results of analyses for samples received by the laboratory on 07/18/24 13:50.

Cardinal Laboratories is accredited through Texas NELAP under certificate number TX-C24-00112. 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".

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:	07/18/2024	Sampling Date:	07/17/2024
Reported:	07/23/2024	Sampling Type:	Soil
Project Name:	JANIE CONNER CTB	Sampling Condition:	Cool & Intact
Project Number:	702500.076.01	Sample Received By:	Shalyn Rodriguez
Project Location:	MATADOR - EDDY CO NM		

Sample ID: BG - 1 @ 1' (H244315-01)

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	07/20/2024	ND	2.12	106	2.00	4.32	
Toluene*	<0.050	0.050	07/20/2024	ND	2.26	113	2.00	2.65	
Ethylbenzene*	<0.050	0.050	07/20/2024	ND	2.30	115	2.00	1.09	
Total Xylenes*	<0.150	0.150	07/20/2024	ND	7.12	119	6.00	0.922	
Total BTEX	<0.300	0.300	07/20/2024	ND					

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: CT					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1580	16.0	07/22/2024	ND	432	108	400	0.00	

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	07/20/2024	ND	225	112	200	8.85	
DRO >C10-C28*	<10.0	10.0	07/20/2024	ND	209	105	200	13.5	
EXT DRO >C28-C36	<10.0	10.0	07/20/2024	ND					

Surrogate: 1-Chlorooctane 121 % 48.2-134

Surrogate: 1-Chlorooctadecane 130 % 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

Cardinal Laboratories

*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Company Name: Talon LPE Project Manager: K. Taylor Address: 408 W. Texas Ave City: Actesia State: NM zip: Phone #: 432-210-5443 Fax #: Project #: 762500.076 Project Owner: Mabador Project Name: Janie Conner CTB Project Location: Edley Co, NM Sampler Name: K. Taylor		P.O. #: Company: Attn: Address: City: State: Zip: Phone #: Fax #:	
FOR LAB USE ONLY Lab I.D.: H044315 Sample I.D.: BG-1 @ 1'		(G)RAB OR (C)OMP. # CONTAINERS: 6 MATRIX GROUNDWATER WASTEWATER SOIL <input checked="" type="checkbox"/> OIL SLUDGE OTHER: ACID/BASE: ICE / COOL <input checked="" type="checkbox"/> OTHER:	
Date: 7-18-24 Time: 1350 Date: 7-18-24 Time:		RECEIVED BY: Stoeriqwey Received By:	
Delivered By: (Circle One) Sampler - UPS - Bus - Other:		Observed Temp. °C: 0.0 Corrected Temp. °C: Sample Condition Cool <input checked="" type="checkbox"/> Intact <input checked="" type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> Checked By: SR (Initials)	
Relinquished By: Keene Relinquished By:		Turnaround Time: Standard Rush <input checked="" type="checkbox"/> Bacteria (only) <input checked="" type="checkbox"/> Cool Intact <input checked="" type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> Corrected Temp. °C:	
Verbal Results: <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Add'l Phone #: All Results are emailed. Please provide Email address:		REMARKS:	
PLEASE NOTE: Liability and Damages, Cardinal's liability and client's exclusive remedy for any claim arising whether based in contract or tort, shall be limited to the amount paid by the client for the analyses. All claims including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within 30 days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including without limitation, business interruptions, loss of uses, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise.		Chlorides <input checked="" type="checkbox"/> TPH <input checked="" type="checkbox"/> BTEX <input checked="" type="checkbox"/>	

† Cardinal cannot accept verbal changes. Please email changes to celey.keene@cardinallabsnm.com



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

July 23, 2024

KAYLA TAYLOR
TALON LPE
408 W. TEXAS AVE.
ARTESIA, NM 88210

RE: JANIE CONNER CTB

Enclosed are the results of analyses for samples received by the laboratory on 07/18/24 13:50.

Cardinal Laboratories is accredited through Texas NELAP under certificate number TX-C24-00112. 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".

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:	07/18/2024	Sampling Date:	07/17/2024
Reported:	07/23/2024	Sampling Type:	Soil
Project Name:	JANIE CONNER CTB	Sampling Condition:	Cool & Intact
Project Number:	702500.076.01	Sample Received By:	Shalyn Rodriguez
Project Location:	MATADOR - EDDY CO NM		

Sample ID: S - 8 @ 10' (H244316-01)

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	07/20/2024	ND	2.12	106	2.00	4.32	
Toluene*	<0.050	0.050	07/20/2024	ND	2.26	113	2.00	2.65	
Ethylbenzene*	<0.050	0.050	07/20/2024	ND	2.30	115	2.00	1.09	
Total Xylenes*	<0.150	0.150	07/20/2024	ND	7.12	119	6.00	0.922	
Total BTEX	<0.300	0.300	07/20/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 117 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: CT					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1520	16.0	07/22/2024	ND	432	108	400	0.00	

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	07/20/2024	ND	225	112	200	8.85	
DRO >C10-C28*	207	10.0	07/20/2024	ND	209	105	200	13.5	
EXT DRO >C28-C36	23.1	10.0	07/20/2024	ND					

Surrogate: 1-Chlorooctane 116 % 48.2-134

Surrogate: 1-Chlorooctadecane 133 % 49.1-148

Cardinal Laboratories

*=Accredited Analyte

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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:	07/18/2024	Sampling Date:	07/17/2024
Reported:	07/23/2024	Sampling Type:	Soil
Project Name:	JANIE CONNER CTB	Sampling Condition:	Cool & Intact
Project Number:	702500.076.01	Sample Received By:	Shalyn Rodriguez
Project Location:	MATADOR - EDDY CO NM		

Sample ID: S - 8 @ 12' (H244316-02)

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	07/20/2024	ND	2.12	106	2.00	4.32	
Toluene*	<0.050	0.050	07/20/2024	ND	2.26	113	2.00	2.65	
Ethylbenzene*	<0.050	0.050	07/20/2024	ND	2.30	115	2.00	1.09	
Total Xylenes*	<0.150	0.150	07/20/2024	ND	7.12	119	6.00	0.922	
Total BTEX	<0.300	0.300	07/20/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 121 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: CT					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1840	16.0	07/22/2024	ND	432	108	400	0.00	

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	07/20/2024	ND	225	112	200	8.85	
DRO >C10-C28*	145	10.0	07/20/2024	ND	209	105	200	13.5	
EXT DRO >C28-C36	15.5	10.0	07/20/2024	ND					

Surrogate: 1-Chlorooctane 115 % 48.2-134

Surrogate: 1-Chlorooctadecane 130 % 49.1-148

Cardinal Laboratories

*=Accredited Analyte

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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:	07/18/2024	Sampling Date:	07/17/2024
Reported:	07/23/2024	Sampling Type:	Soil
Project Name:	JANIE CONNER CTB	Sampling Condition:	Cool & Intact
Project Number:	702500.076.01	Sample Received By:	Shalyn Rodriguez
Project Location:	MATADOR - EDDY CO NM		

Sample ID: S - 8 @ 14' (H244316-03)

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	07/20/2024	ND	2.12	106	2.00	4.32	
Toluene*	<0.050	0.050	07/20/2024	ND	2.26	113	2.00	2.65	
Ethylbenzene*	0.054	0.050	07/20/2024	ND	2.30	115	2.00	1.09	
Total Xylenes*	0.192	0.150	07/20/2024	ND	7.12	119	6.00	0.922	GC-NC1
Total BTEX	<0.300	0.300	07/20/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 130 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: CT					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	2120	16.0	07/22/2024	ND	432	108	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	14.6	10.0	07/20/2024	ND	225	112	200	8.85	
DRO >C10-C28*	306	10.0	07/20/2024	ND	209	105	200	13.5	
EXT DRO >C28-C36	49.8	10.0	07/20/2024	ND					

Surrogate: 1-Chlorooctane 117 % 48.2-134

Surrogate: 1-Chlorooctadecane 136 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Notes and Definitions

- GC-NC1 8260 confirmation analysis was performed; initial GC results were not supported by GC/MS analysis and are biased high with interfering compounds.
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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Celey D. Keene

Celey D. Keene, Lab Director/Quality Manager



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

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Company Name: Talon LPE P.O. #:
 Project Manager: K. Taylor Company:
 Address: 408 W. Texas Ave Attn:
 City: Artesia State: NM Zip:
 Phone #: 432-210-5443 Fax #:
 Project #: 762500, 0716 Project Owner: Matador
 Project Name: Janie Conner CTB City:
 Project Location: Edley Co, NM State: Zip:
 Sampler Name: K. Taylor Phone #:
 Fax #:

Lab I.D.	Sample I.D.	(G)RAB OR (C)OMP.	# CONTAINERS.	MATRIX						DATE	TIME	ANALYSIS REQUEST
				GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER :			
<u>1844314</u>	<u>S-8 @ 10'</u>	<u>G</u>	<u>1</u>			<u>X</u>				<u>7-17-24</u>	<u>1306</u>	<u>Chlorides</u>
	<u>S-8 @ 12'</u>	<u>G</u>	<u>1</u>			<u>X</u>				<u>7-17-24</u>	<u>1305</u>	<u>TPH</u>
	<u>S-8 @ 14'</u>	<u>G</u>	<u>1</u>			<u>X</u>				<u>7-17-24</u>	<u>1300</u>	<u>BTEX</u>

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising whether based in contract or tort shall be limited to the amount paid by the client for the analyses. All claims including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within 30 days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise.

Relinquished By: Karla Soufa Date: 7/23/24 Received By: Stoddiequest
 Relinquished By: Date: Received By:

Delivered By: (Circle One) Observed Temp. °C 0.0 Sample Condition Intact Cool Intact No No
 Sampler - UPS - Bus - Other: Corrected Temp. °C CHECKED BY: SR (Initials)
 Turnaround Time: Standard Bacteria (only) Sample Condition
 Thermometer ID # Rush Cool Intact Observed Temp. °C
 Correction Factor Yes No Yes No Corrected Temp. °C



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

July 23, 2024

KAYLA TAYLOR
TALON LPE
408 W. TEXAS AVE.
ARTESIA, NM 88210

RE: JANIE CONNER CTB

Enclosed are the results of analyses for samples received by the laboratory on 07/18/24 13:50.

Cardinal Laboratories is accredited through Texas NELAP under certificate number TX-C24-00112. 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".

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:	07/18/2024	Sampling Date:	07/17/2024
Reported:	07/23/2024	Sampling Type:	Soil
Project Name:	JANIE CONNER CTB	Sampling Condition:	Cool & Intact
Project Number:	702500.076.01	Sample Received By:	Shalyn Rodriguez
Project Location:	MATADOR - EDDY CO NM		

Sample ID: S - 9 @ 1' R (H244317-01)

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	07/20/2024	ND	2.12	106	2.00	4.32	
Toluene*	<0.050	0.050	07/20/2024	ND	2.26	113	2.00	2.65	
Ethylbenzene*	<0.050	0.050	07/20/2024	ND	2.30	115	2.00	1.09	
Total Xylenes*	<0.150	0.150	07/20/2024	ND	7.12	119	6.00	0.922	
Total BTEX	<0.300	0.300	07/20/2024	ND					

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: CT					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1220	16.0	07/22/2024	ND	432	108	400	0.00	

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	07/20/2024	ND	225	112	200	8.85	
DRO >C10-C28*	<10.0	10.0	07/20/2024	ND	209	105	200	13.5	
EXT DRO >C28-C36	<10.0	10.0	07/20/2024	ND					

Surrogate: 1-Chlorooctane 106 % 48.2-134

Surrogate: 1-Chlorooctadecane 116 % 49.1-148

Cardinal Laboratories

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

Received:	07/18/2024	Sampling Date:	07/17/2024
Reported:	07/23/2024	Sampling Type:	Soil
Project Name:	JANIE CONNER CTB	Sampling Condition:	Cool & Intact
Project Number:	702500.076.01	Sample Received By:	Shalyn Rodriguez
Project Location:	MATADOR - EDDY CO NM		

Sample ID: S - 10 @ 1' (H244317-02)

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	07/20/2024	ND	2.12	106	2.00	4.32	
Toluene*	<0.050	0.050	07/20/2024	ND	2.26	113	2.00	2.65	
Ethylbenzene*	<0.050	0.050	07/20/2024	ND	2.30	115	2.00	1.09	
Total Xylenes*	<0.150	0.150	07/20/2024	ND	7.12	119	6.00	0.922	
Total BTEX	<0.300	0.300	07/20/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 109 % 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	912	16.0	07/22/2024	ND	432	108	400	3.77	

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	07/20/2024	ND	225	112	200	8.85	
DRO >C10-C28*	<10.0	10.0	07/20/2024	ND	209	105	200	13.5	
EXT DRO >C28-C36	<10.0	10.0	07/20/2024	ND					

Surrogate: 1-Chlorooctane 113 % 48.2-134

Surrogate: 1-Chlorooctadecane 122 % 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
 KAYLA TAYLOR
 408 W. TEXAS AVE.
 ARTESIA NM, 88210
 Fax To: (575) 745-8905

Received:	07/18/2024	Sampling Date:	07/17/2024
Reported:	07/23/2024	Sampling Type:	Soil
Project Name:	JANIE CONNER CTB	Sampling Condition:	Cool & Intact
Project Number:	702500.076.01	Sample Received By:	Shalyn Rodriguez
Project Location:	MATADOR - EDDY CO NM		

Sample ID: S - 10 @ 2' (H244317-03)

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	07/20/2024	ND	2.12	106	2.00	4.32	
Toluene*	<0.050	0.050	07/20/2024	ND	2.26	113	2.00	2.65	
Ethylbenzene*	<0.050	0.050	07/20/2024	ND	2.30	115	2.00	1.09	
Total Xylenes*	<0.150	0.150	07/20/2024	ND	7.12	119	6.00	0.922	
Total BTEX	<0.300	0.300	07/20/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 114 % 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	976	16.0	07/22/2024	ND	432	108	400	3.77	

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	07/20/2024	ND	225	112	200	8.85	
DRO >C10-C28*	<10.0	10.0	07/20/2024	ND	209	105	200	13.5	
EXT DRO >C28-C36	<10.0	10.0	07/20/2024	ND					

Surrogate: 1-Chlorooctane 106 % 48.2-134

Surrogate: 1-Chlorooctadecane 112 % 49.1-148

Cardinal Laboratories

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

Received:	07/18/2024	Sampling Date:	07/17/2024
Reported:	07/23/2024	Sampling Type:	Soil
Project Name:	JANIE CONNER CTB	Sampling Condition:	Cool & Intact
Project Number:	702500.076.01	Sample Received By:	Shalyn Rodriguez
Project Location:	MATADOR - EDDY CO NM		

Sample ID: S - 11 @ 1' R (H244317-04)

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	07/20/2024	ND	2.12	106	2.00	4.32	
Toluene*	<0.050	0.050	07/20/2024	ND	2.26	113	2.00	2.65	
Ethylbenzene*	<0.050	0.050	07/20/2024	ND	2.30	115	2.00	1.09	
Total Xylenes*	<0.150	0.150	07/20/2024	ND	7.12	119	6.00	0.922	
Total BTEX	<0.300	0.300	07/20/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 113 % 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	640	16.0	07/22/2024	ND	432	108	400	3.77	

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	07/20/2024	ND	225	112	200	8.85	
DRO >C10-C28*	<10.0	10.0	07/20/2024	ND	209	105	200	13.5	
EXT DRO >C28-C36	<10.0	10.0	07/20/2024	ND					

Surrogate: 1-Chlorooctane 109 % 48.2-134

Surrogate: 1-Chlorooctadecane 118 % 49.1-148

Cardinal Laboratories

*=Accredited Analyte

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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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*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

BILL TO

ANALYSIS REQUEST

Company Name: Tolan/DPE
 Project Manager: K. Taylor
 Address: 408 W. Texas Ave
 City: Artesia State: NM Zip: _____
 Phone #: 432-210-5443 Fax #: _____
 Project #: 702500, 0716 Project Owner: Matabur
 Project Name: Janie Conner-CTR
 Project Location: Edley Co, NM
 Sampler Name: K. Taylor

P.O. #: _____
 Company: _____
 Attn: _____
 Address: _____
 City: _____
 State: _____ Zip: _____
 Phone #: _____
 Fax #: _____

Lab I.D.	Sample I.D.	(G)RAB OR (C)OMP.	# CONTAINERS.	MATRIX							DATE	TIME	ANALYSIS	REMARKS	
				GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER :	PRESERV.					
<u>1044317</u>	<u>S-9 @ 1' R</u>	<u>G</u>	<u>Y</u>			<u>X</u>				<u>Y</u>	<u>7-17-24</u>	<u>1200</u>	<u>Chlorides</u>	<u>X</u>	
	<u>S-10 @ 1' R</u>	<u>G</u>	<u>Y</u>			<u>X</u>				<u>Y</u>	<u>1215</u>	<u>1220</u>	<u>TPH</u>	<u>X</u>	
	<u>S-1 @ 1' R</u>	<u>G</u>	<u>Y</u>			<u>X</u>				<u>Y</u>	<u>1230</u>		<u>BTEX</u>	<u>X</u>	
	<u>S-1 @ 2' R</u>	<u>G</u>	<u>Y</u>			<u>X</u>				<u>Y</u>					<u>KT 7-19-24</u>

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising whether based in contract or tort, shall be limited to the amount paid by the client for the analyses. All claims including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within 30 days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise.

Relinquished By: K. Taylor
 Date: 7-18-24
 Time: 1350

Received By: Speedy
 Date: _____
 Time: _____

Verbal Result: Yes No Add'l Phone #: _____
 All Results are emailed. Please provide Email address: _____
 REMARKS: _____

Delivered By: (Circle One) UPS
 Observed Temp. °C: 0.0
 Corrected Temp. °C: _____
 Sample Condition: Intact Cool Yes No
 CHECKED BY: [Signature] (Initials)
 Turnaround Time: Standard Rush Add'l Phone #: _____
 Thermometer ID: #448 #140
 Correction Factor: 0.0
 Bacteria (only) Cool Intact Yes No
 Sample Condition: Observed Temp. °C: _____
 Corrected Temp. °C: _____

† Cardinal cannot accept verbal changes. Please email changes to caley.keene@cardinallabsnm.com



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

November 05, 2024

DAVID ADKINS
TALON LPE
408 W. TEXAS AVE.
ARTESIA, NM 88210

RE: JANIE CONNER CTB

Enclosed are the results of analyses for samples received by the laboratory on 10/30/24 14:35.

Cardinal Laboratories is accredited through Texas NELAP under certificate number TX-C24-00112. 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, flowing style.

Celey D. Keene
Lab Director/Quality Manager



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

Analytical Results For:

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

Received:	10/30/2024	Sampling Date:	10/28/2024
Reported:	11/05/2024	Sampling Type:	Soil
Project Name:	JANIE CONNER CTB	Sampling Condition:	Cool & Intact
Project Number:	702520.076.01	Sample Received By:	Shalyn Rodriguez
Project Location:	MATADOR - EDDY CO NM		

Sample ID: D - 1 @ 1' (H246620-01)

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	11/03/2024	ND	2.05	103	2.00	3.96	
Toluene*	<0.050	0.050	11/03/2024	ND	1.95	97.6	2.00	1.29	
Ethylbenzene*	<0.050	0.050	11/03/2024	ND	2.00	99.8	2.00	0.175	
Total Xylenes*	<0.150	0.150	11/03/2024	ND	5.89	98.2	6.00	1.12	
Total BTEX	<0.300	0.300	11/03/2024	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	240	16.0	11/01/2024	ND	416	104	400	3.77	

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	11/01/2024	ND	197	98.6	200	2.23	
DRO >C10-C28*	<10.0	10.0	11/01/2024	ND	177	88.4	200	4.35	
EXT DRO >C28-C36	<10.0	10.0	11/01/2024	ND					

Surrogate: 1-Chlorooctane 106 % 48.2-134

Surrogate: 1-Chlorooctadecane 101 % 49.1-148

Cardinal Laboratories

*=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
 DAVID ADKINS
 408 W. TEXAS AVE.
 ARTESIA NM, 88210
 Fax To: (575) 745-8905

Received:	10/30/2024	Sampling Date:	10/28/2024
Reported:	11/05/2024	Sampling Type:	Soil
Project Name:	JANIE CONNER CTB	Sampling Condition:	Cool & Intact
Project Number:	702520.076.01	Sample Received By:	Shalyn Rodriguez
Project Location:	MATADOR - EDDY CO NM		

Sample ID: D - 1 @ 2' (H246620-02)

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	11/03/2024	ND	2.05	103	2.00	3.96	
Toluene*	<0.050	0.050	11/03/2024	ND	1.95	97.6	2.00	1.29	
Ethylbenzene*	<0.050	0.050	11/03/2024	ND	2.00	99.8	2.00	0.175	
Total Xylenes*	<0.150	0.150	11/03/2024	ND	5.89	98.2	6.00	1.12	
Total BTEX	<0.300	0.300	11/03/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 109 % 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	208	16.0	11/01/2024	ND	416	104	400	3.77	

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	11/01/2024	ND	197	98.6	200	2.23	
DRO >C10-C28*	<10.0	10.0	11/01/2024	ND	177	88.4	200	4.35	
EXT DRO >C28-C36	<10.0	10.0	11/01/2024	ND					

Surrogate: 1-Chlorooctane 105 % 48.2-134

Surrogate: 1-Chlorooctadecane 103 % 49.1-148

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Analytical Results For:

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

Received:	10/30/2024	Sampling Date:	10/28/2024
Reported:	11/05/2024	Sampling Type:	Soil
Project Name:	JANIE CONNER CTB	Sampling Condition:	Cool & Intact
Project Number:	702520.076.01	Sample Received By:	Shalyn Rodriguez
Project Location:	MATADOR - EDDY CO NM		

Sample ID: D - 2 @ 1' (H246620-03)

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	11/03/2024	ND	2.05	103	2.00	3.96	
Toluene*	<0.050	0.050	11/03/2024	ND	1.95	97.6	2.00	1.29	
Ethylbenzene*	<0.050	0.050	11/03/2024	ND	2.00	99.8	2.00	0.175	
Total Xylenes*	<0.150	0.150	11/03/2024	ND	5.89	98.2	6.00	1.12	
Total BTEX	<0.300	0.300	11/03/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 102 % 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	112	16.0	11/01/2024	ND	416	104	400	3.77	

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	11/01/2024	ND	197	98.6	200	2.23	
DRO >C10-C28*	<10.0	10.0	11/01/2024	ND	177	88.4	200	4.35	
EXT DRO >C28-C36	<10.0	10.0	11/01/2024	ND					

Surrogate: 1-Chlorooctane 101 % 48.2-134

Surrogate: 1-Chlorooctadecane 94.8 % 49.1-148

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Analytical Results For:

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

Received:	10/30/2024	Sampling Date:	10/28/2024
Reported:	11/05/2024	Sampling Type:	Soil
Project Name:	JANIE CONNER CTB	Sampling Condition:	Cool & Intact
Project Number:	702520.076.01	Sample Received By:	Shalyn Rodriguez
Project Location:	MATADOR - EDDY CO NM		

Sample ID: D - 2 @ 2' (H246620-04)

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	11/03/2024	ND	2.05	103	2.00	3.96	
Toluene*	<0.050	0.050	11/03/2024	ND	1.95	97.6	2.00	1.29	
Ethylbenzene*	<0.050	0.050	11/03/2024	ND	2.00	99.8	2.00	0.175	
Total Xylenes*	<0.150	0.150	11/03/2024	ND	5.89	98.2	6.00	1.12	
Total BTEX	<0.300	0.300	11/03/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 107 % 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	240	16.0	11/03/2024	ND	400	100	400	7.69	

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	11/01/2024	ND	197	98.6	200	2.23	
DRO >C10-C28*	<10.0	10.0	11/01/2024	ND	177	88.4	200	4.35	
EXT DRO >C28-C36	<10.0	10.0	11/01/2024	ND					

Surrogate: 1-Chlorooctane 102 % 48.2-134

Surrogate: 1-Chlorooctadecane 97.8 % 49.1-148

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Analytical Results For:

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

Received:	10/30/2024	Sampling Date:	10/28/2024
Reported:	11/05/2024	Sampling Type:	Soil
Project Name:	JANIE CONNER CTB	Sampling Condition:	Cool & Intact
Project Number:	702520.076.01	Sample Received By:	Shalyn Rodriguez
Project Location:	MATADOR - EDDY CO NM		

Sample ID: D - 3 @ 1' (H246620-05)

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	11/03/2024	ND	2.05	103	2.00	3.96	
Toluene*	<0.050	0.050	11/03/2024	ND	1.95	97.6	2.00	1.29	
Ethylbenzene*	<0.050	0.050	11/03/2024	ND	2.00	99.8	2.00	0.175	
Total Xylenes*	<0.150	0.150	11/03/2024	ND	5.89	98.2	6.00	1.12	
Total BTEX	<0.300	0.300	11/03/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 106 % 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	32.0	16.0	11/03/2024	ND	400	100	400	7.69	

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	11/01/2024	ND	197	98.6	200	2.23	
DRO >C10-C28*	<10.0	10.0	11/01/2024	ND	177	88.4	200	4.35	
EXT DRO >C28-C36	<10.0	10.0	11/01/2024	ND					

Surrogate: 1-Chlorooctane 94.4 % 48.2-134

Surrogate: 1-Chlorooctadecane 89.8 % 49.1-148

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Analytical Results For:

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

Received:	10/30/2024	Sampling Date:	10/28/2024
Reported:	11/05/2024	Sampling Type:	Soil
Project Name:	JANIE CONNER CTB	Sampling Condition:	Cool & Intact
Project Number:	702520.076.01	Sample Received By:	Shalyn Rodriguez
Project Location:	MATADOR - EDDY CO NM		

Sample ID: D - 3 @ 2' (H246620-06)

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	11/03/2024	ND	2.05	103	2.00	3.96	
Toluene*	<0.050	0.050	11/03/2024	ND	1.95	97.6	2.00	1.29	
Ethylbenzene*	<0.050	0.050	11/03/2024	ND	2.00	99.8	2.00	0.175	
Total Xylenes*	<0.150	0.150	11/03/2024	ND	5.89	98.2	6.00	1.12	
Total BTEX	<0.300	0.300	11/03/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 106 % 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	368	16.0	11/03/2024	ND	400	100	400	7.69	

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	11/01/2024	ND	197	98.6	200	2.23	
DRO >C10-C28*	<10.0	10.0	11/01/2024	ND	177	88.4	200	4.35	
EXT DRO >C28-C36	<10.0	10.0	11/01/2024	ND					

Surrogate: 1-Chlorooctane 94.4 % 48.2-134

Surrogate: 1-Chlorooctadecane 88.6 % 49.1-148

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Analytical Results For:

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

Received:	10/30/2024	Sampling Date:	10/28/2024
Reported:	11/05/2024	Sampling Type:	Soil
Project Name:	JANIE CONNER CTB	Sampling Condition:	Cool & Intact
Project Number:	702520.076.01	Sample Received By:	Shalyn Rodriguez
Project Location:	MATADOR - EDDY CO NM		

Sample ID: D - 4 @ 1' (H246620-07)

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	11/03/2024	ND	2.05	103	2.00	3.96	
Toluene*	<0.050	0.050	11/03/2024	ND	1.95	97.6	2.00	1.29	
Ethylbenzene*	<0.050	0.050	11/03/2024	ND	2.00	99.8	2.00	0.175	
Total Xylenes*	<0.150	0.150	11/03/2024	ND	5.89	98.2	6.00	1.12	
Total BTEX	<0.300	0.300	11/03/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 110 % 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	96.0	16.0	11/03/2024	ND	400	100	400	7.69	

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	11/01/2024	ND	197	98.6	200	2.23	
DRO >C10-C28*	<10.0	10.0	11/01/2024	ND	177	88.4	200	4.35	
EXT DRO >C28-C36	<10.0	10.0	11/01/2024	ND					

Surrogate: 1-Chlorooctane 98.1 % 48.2-134

Surrogate: 1-Chlorooctadecane 91.3 % 49.1-148

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Analytical Results For:

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

Received:	10/30/2024	Sampling Date:	10/28/2024
Reported:	11/05/2024	Sampling Type:	Soil
Project Name:	JANIE CONNER CTB	Sampling Condition:	Cool & Intact
Project Number:	702520.076.01	Sample Received By:	Shalyn Rodriguez
Project Location:	MATADOR - EDDY CO NM		

Sample ID: D - 4 @ 2' (H246620-08)

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	11/03/2024	ND	2.05	103	2.00	3.96	
Toluene*	<0.050	0.050	11/03/2024	ND	1.95	97.6	2.00	1.29	
Ethylbenzene*	<0.050	0.050	11/03/2024	ND	2.00	99.8	2.00	0.175	
Total Xylenes*	<0.150	0.150	11/03/2024	ND	5.89	98.2	6.00	1.12	
Total BTEX	<0.300	0.300	11/03/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 104 % 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	128	16.0	11/03/2024	ND	400	100	400	7.69	

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	11/01/2024	ND	190	94.9	200	1.69	
DRO >C10-C28*	<10.0	10.0	11/01/2024	ND	189	94.4	200	3.09	
EXT DRO >C28-C36	<10.0	10.0	11/01/2024	ND					

Surrogate: 1-Chlorooctane 97.3 % 48.2-134

Surrogate: 1-Chlorooctadecane 99.7 % 49.1-148

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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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Celey D. Keene, Lab Director/Quality Manager



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

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Company Name: Talon LPE Project Manager: P. Adkins Address: 408 W. Texas Ave City: Artesia State: NM Zip: 88210 Phone #: 432-210-5443 Fax #: 432-210-5443 Project #: 702520.076.01 Project Owner: Matador Project Name: Janie Conner CTB Project Location: Eddy Co. Sampler Name: M. Wilson / K. Taylor		BILL TO P.O. #: _____ Company: Talon LPE Attn: _____ Address: _____ City: _____ State: _____ Zip: _____ Phone #: _____ Fax #: _____	
FOR LAB USE ONLY Lab I.D. _____ Sample I.D. _____ <i>Handwritten:</i> D-1 @ 1', D-1 @ 2', D-2 @ 1', D-2 @ 2', D-3 @ 1', D-3 @ 2', D-4 @ 1', D-4 @ 2'		MATRIX (G) GRAB OR (C) OMP. _____ # CONTAINERS _____ GROUNDWATER _____ WASTEWATER _____ SOIL _____ OIL _____ SLUDGE _____ OTHER: _____ ACID/BASE: _____ ICE / COOL _____ OTHER: _____	
DATE: _____ TIME: _____ RECEIVED BY: <i>Shedrick</i> RELINQUISHED BY: <i>Marty Wilson</i>		DATE: 10-28-24 TIME: 12:55 DATE: 13:00 TIME: 13:45 DATE: 13:50 TIME: 09:40 DATE: 10:20 TIME: 10:22	
Delivered By: (Circle One) _____ Sampler - UPS - Bus - Other: _____ Observed Temp. °C: 5.4 Corrected Temp. °C: 4.8		CHECKED BY: <i>SK</i> Turnaround Time: _____ Thermometer ID #140 Correction Factor -0.5°C Standard <input checked="" type="checkbox"/> RUSH Bacteria (only) Sample Condition Cool Intact <input type="checkbox"/> Yes <input type="checkbox"/> No Observed Temp. °C _____ Corrected Temp. °C _____	
REMARKS: _____ Verbal Result: <input type="checkbox"/> Yes <input type="checkbox"/> No Add'l Phone #: _____ All Results are emailed. Please provide Email address: _____			

Sante Fe Main Office
Phone: (505) 476-3441

General Information
Phone: (505) 629-6116

Online Phone Directory
<https://www.emnrd.nm.gov/ocd/contact-us>

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

QUESTIONS

Action 415916

QUESTIONS

Operator: MATADOR PRODUCTION COMPANY One Lincoln Centre Dallas, TX 75240	OGRID: 228937
	Action Number: 415916
	Action Type: [C-141] Deferral Request C-141 (C-141-v-Deferral)

QUESTIONS

Prerequisites	
Incident ID (n#)	nAPP2331157991
Incident Name	NAPP2331157991 JANIE CONNER CTB @ 0
Incident Type	Produced Water Release
Incident Status	Deferral Request Received
Incident Facility	[fAPP2202573074] JANIE CONNOR FACILITY TANK BATTERY

Location of Release Source	
<i>Please answer all the questions in this group.</i>	
Site Name	JANIE CONNER CTB
Date Release Discovered	11/07/2023
Surface Owner	Private

Incident Details	
<i>Please answer all the questions in this group.</i>	
Incident Type	Produced Water 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	
<i>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.</i>	
Crude Oil Released (bbls) Details	Not answered.
Produced Water Released (bbls) Details	Cause: Normal Operations Pipeline (Any) Produced Water Released: 10 BBL Recovered: 3 BBL Lost: 7 BBL.
Is the concentration of chloride in the produced water >10,000 mg/l	Yes
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)	Not answered.

Sante Fe Main Office
Phone: (505) 476-3441

General Information
Phone: (505) 629-6116

Online Phone Directory
<https://www.emnrd.nm.gov/ocd/contact-us>

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

QUESTIONS, Page 2

Action 415916

QUESTIONS (continued)

Operator: MATADOR PRODUCTION COMPANY One Lincoln Centre Dallas, TX 75240	OGRID: 228937
	Action Number: 415916
	Action Type: [C-141] Deferral Request C-141 (C-141-v-Deferral)

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	<i>Unavailable.</i>

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	SWD Pump Plug backed out of threading causing the release.

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: Jason Touchet Title: EHS Field Rep Email: jason.touchet@matadorresources.com Date: 12/30/2024
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Energy, Minerals and Natural Resources
Oil Conservation Division
1220 S. St Francis Dr.
Santa Fe, NM 87505

QUESTIONS, Page 3

Action 415916

QUESTIONS (continued)

Operator: MATADOR PRODUCTION COMPANY One Lincoln Centre Dallas, TX 75240	OGRID: 228937
	Action Number: 415916
	Action Type: [C-141] Deferral Request C-141 (C-141-v-Deferral)

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 51 and 75 (ft.)
What method was used to determine the depth to ground water	NM OSE iWaters Database Search
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 500 and 1000 (ft.)
A spring or a private domestic fresh water well used by less than five households for domestic or stock watering purposes	Between 500 and 1000 (ft.)
Any other fresh water well or spring	Between 1 and 5 (mi.)
Incorporated municipal boundaries or a defined municipal fresh water well field	Between 1 and 5 (mi.)
A wetland	Between 1/2 and 1 (mi.)
A subsurface mine	Greater than 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 500 and 1000 (ft.)
Did the release impact areas not on an exploration, development, production, or storage site	No

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
<i>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.</i>	
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)	9980
TPH (GRO+DRO+MRO) (EPA SW-846 Method 8015M)	371
GRO+DRO (EPA SW-846 Method 8015M)	321
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	10/28/2075
On what date will (or did) the final sampling or liner inspection occur	10/28/2024
On what date will (or was) the remediation complete(d)	10/28/2075
What is the estimated surface area (in square feet) that will be reclaimed	4321
What is the estimated volume (in cubic yards) that will be reclaimed	320
What is the estimated surface area (in square feet) that will be remediated	0
What is the estimated volume (in cubic yards) that will be remediated	0

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 415916

QUESTIONS (continued)

Operator: MATADOR PRODUCTION COMPANY One Lincoln Centre Dallas, TX 75240	OGRID: 228937
	Action Number: 415916
	Action Type: [C-141] Deferral Request C-141 (C-141-v-Deferral)

QUESTIONS

Remediation Plan (continued)

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.

This remediation will (or is expected to) utilize the following processes to remediate / reduce contaminants:

(Select all answers below that apply.)

(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	Not answered.
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	Yes
In which state is the disposal taking place	TX
What is the name of the out-of-state facility	R360
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.

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 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: Jason Touchet Title: EHS Field Rep Email: jason.touchet@matadorresources.com Date: 12/30/2024
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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 5

Action 415916

QUESTIONS (continued)

Operator: MATADOR PRODUCTION COMPANY One Lincoln Centre Dallas, TX 75240	OGRID: 228937
	Action Number: 415916
	Action Type: [C-141] Deferral Request C-141 (C-141-v-Deferral)

QUESTIONS

Deferral Requests Only	
<i>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.</i>	
Requesting a deferral of the remediation closure due date with the approval of this submission	Yes
Have the lateral and vertical extents of contamination been fully delineated	Yes
Is the remaining contamination in areas immediately under or around production equipment where remediation could cause a major facility deconstruction	Yes
Please list or describe the production equipment and how (re)moving the equipment would cause major facility deconstruction	Existing pumps, pressurized pipeline risers, pressurized underground piping, underground pipelines
What is the remaining surface area (in square feet) that will still need to be remediated if a deferral is granted	4321
What is the remaining volume (in cubic yards) that will still need to be remediated if a deferral is granted	480
<i>Per Paragraph (2) of Subsection C of 19.15.29.12 NMAC if contamination is located in areas immediately under or around production equipment such as production tanks, wellheads and pipelines where remediation could cause a major facility deconstruction, the remediation, restoration and reclamation may be deferred with division written approval until the equipment is removed during other operations, or when the well or facility is plugged or abandoned, whichever comes first.</i>	
Enter the facility ID (f#) on which this deferral should be granted	JANIE CONNER TANK BATTERY [fAB1906754729]
Enter the well API (30-) on which this deferral should be granted	Not answered.
Contamination does not cause an imminent risk to human health, the environment, or groundwater	True
<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: Jason Touchet Title: EHS Field Rep Email: jason.touchet@matadorresources.com Date: 12/30/2024

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QUESTIONS, Page 6

Action 415916

QUESTIONS (continued)

Operator: MATADOR PRODUCTION COMPANY One Lincoln Centre Dallas, TX 75240	OGRID: 228937
	Action Number: 415916
	Action Type: [C-141] Deferral Request C-141 (C-141-v-Deferral)

QUESTIONS

Sampling Event Information	
Last sampling notification (C-141N) recorded	{Unavailable.}

Remediation Closure Request	
<i>Only answer the questions in this group if seeking remediation closure for this release because all remediation steps have been completed.</i>	
Requesting a remediation closure approval with this submission	No

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CONDITIONS

Action 415916

CONDITIONS

Operator: MATADOR PRODUCTION COMPANY One Lincoln Centre Dallas, TX 75240	OGRID: 228937
	Action Number: 415916
	Action Type: [C-141] Deferral Request C-141 (C-141-v-Deferral)

CONDITIONS

Created By	Condition	Condition Date
rhamlet	Matador's deferral requests final remediation for (Incident Number NAPP2331157991) until final reclamation of the well pad or major construction, whichever comes first. Matador and Talon do not believe deferral will result in imminent risk to human health, the environment, or groundwater. The impacted soil is the shaded area on figure 1 that is limited to the production pad around the active production equipment and 5 underground pipelines, where remediation would require a major facility deconstruction. At this time, OCD approves this request. The Deferral Request and C-141 will be accepted for record and placed in the incident file. The release will remain open in OCD database files and reflect an open environmental issue.	4/8/2025
rhamlet	Please be advised that step-out sampling locations on pad that define the edge of the release will create the outline of the area that will need to be sampled for reclamation. The larger the step-out, the larger the eventual reclamation area that will need be to be sampled once the pad is abandoned and turned back to "land no longer in use." The reclamation must contain a minimum of four feet of non-waste containing, uncontaminated, earthen material with chloride concentrations less than 600 mg/kg as analyzed by EPA Method 300.0, or other test methods approved by the division.	4/8/2025