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## Closure Report

Mitchell SWD #2  
Eddy County, New Mexico  
API ID # 30-015-22242  
**Incident #** nKMW0800235934, nSEB0813056099,  
nSEB0826247749, nAB1526132368, nAB1529255081

## Prepared For:

EOG Resources  
104 S. 4<sup>th</sup> St.  
Artesia, NM 88210

## Prepared By:

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

**June 28, 2023**

**NMOCD**

506 W. Texas Ave  
Artesia, NM 88210

Subject: **Closure Report**  
Mitchell SWD # 2  
Eddy County, New Mexico  
API # 30-015-22242  
Incident # nKMW0800235934, nSEB0813056099, nSEB0826247749,  
nAB1526132368, nAB1529255081

To Whom It May Concern,

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

**Site Information**

The Mitchell SWD # 2 is located approximately 3.2 miles southwest of Artesia, New Mexico. The legal location for this release is Unit Letter I, Section 23, Township 17 South and Range 25 East in Eddy County, New Mexico. More specifically the latitude and longitude for the release are 32.8191147 and -104.4493332. A Site Location Map is presented in [Appendix I](#).

According to the soil survey provided by the United States Department of Agriculture National Resources Conservation Services, the soil in this area is comprised of Pima silt loam with, 0 to 1 percent slopes. The referenced soil data is presented in [Appendix II](#). Per the New Mexico Bureau of Geology and Mineral Resources, the local geology consists of Piedmont alluvial deposits (Holocene to lower Pleistocene) Includes deposits of higher gradient tributaries bordering major stream valleys, alluvial veneers of the piedmont slope, and alluvial fans. May locally include uppermost Pliocene deposits the Older alluvial deposits of upland plains and piedmont areas, and calcic soils and eolian cover sediments of High Plains region.

**Groundwater and Site Characterization**

The New Mexico Office of the State Engineer Database indicates the nearest reported depth to groundwater is 0.03 miles from the site and is recorded at 105 feet below ground surface (bgs). Further research of the Bureau of Land Management Karst data indicates that this site is situated within a low potential Karst area. The FEMA data base locates the site in a minimal flood hazard zone.

<b>Approximate Depth to Groundwater</b>	<b>105 feet bgs</b>
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- ☐ Yes ☒ No Within 300 feet of any continuously flowing watercourse or any other significant watercourse
- ☐ Yes ☒ No Within 200 feet of any lakebed, sinkhole or a playa lake
- ☐ Yes ☒ No Within 300 feet from an occupied permanent residence, school, hospital, institution or church
- ☐ Yes ☒ No Within 500 feet of a spring or a private, domestic fresh water well used by less than five households for domestic or stock watering purposes
- ☐ Yes ☒ No Within 1000 feet of any freshwater well or spring
- ☐ Yes ☒ No Within incorporated municipal boundaries or within a defined municipal freshwater well field covered under a municipal ordinance adopted pursuant to Section 3-2703 NMSA 1978
- ☐ Yes ☒ No Within 300 feet of a wetland
- ☐ Yes ☒ No Within the area overlying a subsurface mine
- ☐ Yes ☒ No Within an unstable area
- ☐ Yes ☒ No Within a 100-year floodplain

New Mexico Oil Conservation Division's (NMOCD) criteria stated from the work order must adhere to the following conditions stated from the approved work plan. The following conditions are listed in the table below.

Closure Criteria for Soils Impacted by a Release			
Minimum depth below any point within the horizontal boundary of the release to ground water less than 10,000 mg/l TDS	Constituent	Method	Limit
< 100'	Total Chlorides	EPA 300.0 or SM4500 Cl B	20,000 mg/kg
	TPH (GRO+DRO+MRO)	EPA SW-846 Method 8015M	2,500 mg/kg
	BTEX	EPA SW-846 Method 8021B or 8260B	50 mg/kg
	Benzene	EPA SW-846 Method 8021B or 8260B	10 mg/kg

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### Incident Description

nKMW0800235934 - On August 23, 2007, a break in pipe connection on produced water tank, inside of berm. Approximately 5 barrels bbls. of produced water was released with 3 bbls recovered.

nSEB0813056099 - On April 19, 2008, a blown power pole fuse on transfer pump caused release from produced water tank. Approximately 5 barrels bbls. of crude oil was released with 0 bbls. recovered and 8 barrels bbls. of produced water was released with 0 bbls. recovered.

nSEB0826247749 - On September 3, 2008, an equipment failure caused the release of approximately 3 barrels bbls. of crude oil was released with 3 bbls. recovered and 60 barrels bbls. of produced water was released with 52 bbls. recovered.

nAB1526132368 - On July 27, 2015, a Nipple on well head failed, causing the release caused the release of approximately 5 barrels bbls. of produced water was released with 0 bbls. recovered.

nAB1529255081 - On September 23, 2015, Lightning struck the produced water tank which resulted in a fire, causing the release. Approximately 15 barrels bbls. of produced water was released with 14 bbls. recovered.

### Remedial Actions

On March 22, 2023, upon client authorization, Talon personnel and equipment mobilized to the site to begin excavating of the impacted area with backhoe and excavator. The majority of impacted soils were excavated to 4.5 feet bgs and areas around the original tank battery location were excavated to 18 bgs feet. Sidewalls were guided by titration to their final excavations as indicated by the locations shown on Figure 1, Confirmation map ([Appendix I](#)) and the analytical results from those efforts presented in table 1. All soil samples were properly collected, preserved and, transported to Cardinal Analytical for analysis of Total Chlorides (SM4500CL-B), Total Petroleum Hydrocarbons (TPH, EPA Method 8015B NM) and Volatile Organics (BTEX, EPA Method 8021B). The soil sample results from the laboratory are tabulated below in table 1 confirmations samples.

Table 1  
Confirmation Samples

Mitchell SWD #2									
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	20,000 mg/kg
C-1	6/7/23	4.5'	ND	ND	ND	ND	ND	0	2200
C-2	6/7/23	4.5'	ND	ND	ND	ND	ND	0	2560
C-3	6/7/23	4.5'	ND	ND	ND	ND	ND	0	2280
C-4	6/7/23	4.5'	ND	ND	ND	ND	ND	0	1440
C-5	6/7/23	4.5'	ND	ND	ND	ND	ND	0	1570
C-6	6/7/23	4.5'	ND	ND	ND	21.7	11.5	33.2	1920
C-7	6/7/23	4.5'	ND	ND	ND	ND	ND	0	2240
C-8	6/7/23	4.5'	ND	ND	ND	ND	ND	0	400
C-9	6/7/23	4.5'	ND	ND	ND	ND	ND	0	1230
C-10	6/7/23	4.5'	ND	ND	ND	ND	ND	0	2560
C-11	6/7/23	4.5'	ND	ND	ND	ND	ND	0	1960
C-12	6/7/23	4.5'	ND	ND	ND	47.8	48.4	96.2	3760
C-13	6/7/23	4.5'	ND	ND	ND	ND	ND	0	736
C-14	6/7/23	4.5'	ND	ND	ND	28.2	10.6	38.8	6160
C-15	6/7/23	4.5'	ND	ND	ND	130	42.6	172.6	1490
C-16	6/7/23	4.5'	ND	ND	ND	341	122	463	3840
C-17	6/7/23	4.5'	ND	ND	ND	336	124	460	6160
C-18	6/7/23	4.5'	ND	ND	ND	67.2	18.9	86.1	760
C-19	6/7/23	4.5'	ND	ND	ND	ND	ND	0	1720
C-20	6/7/23	4.5'	ND	ND	ND	ND	ND	0	1800
C-21	6/7/23	4.5'	ND	ND	ND	907	333	1240	4440
C-22	6/7/23	4.5'	ND	ND	ND	138	42.9	180.9	3160
C-23	6/7/23	4.5'	ND	ND	ND	333	109	442	5120
C-24	6/7/23	4.5'	ND	ND	ND	389	159	548	4960
C-25	6/7/23	4.5'	ND	ND	ND	123	41.8	164.8	6720
C-26	6/7/23	4.5'	ND	ND	ND	107	49.6	156.6	3280
C-27	6/14/23	18'	ND	ND	ND	64.1	17.6	81.7	2000
C28SW	6/14/23	0-18'	ND	ND	ND	161	55.6	216.6	2200
C-29	6/14/23	18'	ND	ND	ND	4170	1420	5590	3360
	6/23/23	18'	ND	ND	ND	54.2	ND	54.2	1570
C30SW	6/14/23	0-18'	ND	ND	ND	1010	313	1323	4520
	6/23/23	0-18'	ND	ND	ND	ND	ND	0	2320
C-31	6/7/23	4.5'	ND	ND	ND	169	34.2	203.2	8240

<b>C-32</b>	6/7/23	4.5'	ND	ND	ND	1170	328	1498	5280
	6/29/23	4.5	ND	ND	ND	ND	ND	ND	1420
<b>C33SW</b>	6/14/23	0-18'	ND	ND	ND	ND	ND	0	4000
<b>C-34</b>	6/14/23	18'	ND	ND	ND	83.2	20.6	103.8	6240
<b>C-35</b>	6/14/23	18'	ND	ND	ND	223	55.1	278.1	4160
<b>C36SW</b>	6/14/23	0-18'	ND	ND	17.6	1070	335	1422	3600
	6/23/23	0-18'	ND	ND	ND	14.8	ND	14.8	4920
<b>C-37</b>	6/7/23	4.5'	ND	ND	ND	87.2	20.6	107.8	4080
<b>C-38</b>	6/7/23	4.5'	ND	ND	ND	23.8	ND	23.8	9860
<b>C39SW</b>	6/7/23	0-18'	ND	ND	ND	437	200	637	4640
<b>C40SW</b>	6/7/23	0-18'	ND	ND	ND	8480	3330	11810	4880
	6/20/23	0-18'	ND	ND	ND	13.5	13.3	26.8	560
<b>C-41</b>	6/7/23	4.5'	ND	ND	ND	301	117	418	4080
<b>C-42</b>	6/7/23	4.5'	ND	ND	ND	179	74.4	253.4	2680
<b>C-43</b>	6/7/23	4.5'	ND	ND	ND	446	205	651	4960
<b>C-44</b>	6/7/23	4.5'	ND	ND	ND	ND	ND	0	6240
<b>C-45</b>	6/7/23	4.5'	ND	ND	ND	349	142	491	32400
	6/20/23	6'	ND	ND	ND	ND	ND	0	1090
<b>C-46</b>	6/7/23	4.5'	ND	ND	ND	ND	ND	0	14000
<b>C-47</b>	6/7/23	4.5'	ND	ND	ND	ND	15.9	15.9	5760
<b>C-48</b>	6/7/23	4.5'	ND	ND	ND	149	52.7	201.7	4320
<b>C-49</b>	6/7/23	4.5'	ND	ND	ND	ND	ND	0	2040
<b>C-50</b>	6/7/23	4.5'	ND	ND	ND	ND	ND	0	1800
<b>SW-1</b>	6/7/23	0-4'	ND	ND	ND	ND	ND	0	128
<b>SW-2</b>	6/7/23	0-4'	ND	ND	ND	ND	ND	0	848
	6/14/23	0-4'	ND	ND	ND	ND	ND	0	320
<b>SW-3</b>	6/7/23	0-4'	ND	ND	ND	ND	ND	0	128
<b>SW-4</b>	6/7/23	0-4'	ND	ND	ND	ND	ND	0	128
<b>SW-5</b>	6/7/23	0-4'	ND	ND	ND	ND	ND	0	432
<b>SW-6</b>	6/7/23	0-4'	ND	ND	ND	ND	ND	0	384
<b>SW-7</b>	6/7/23	0-4'	ND	ND	ND	ND	ND	0	368
<b>SW-8</b>	6/7/23	0-4'	ND	ND	ND	ND	ND	0	112
<b>SW-9</b>	6/7/23	0-4'	ND	ND	ND	ND	ND	0	144
<b>SW-10</b>	6/7/23	0-4'	ND	ND	ND	ND	ND	0	320
<b>SW-11</b>	6/7/23	0-4'	ND	ND	ND	ND	ND	0	240
<b>SW-12</b>	6/7/23	0-4'	ND	ND	ND	ND	ND	0	64

**NOTES:**

**BGS** Below ground surface  
**mg/kg** Milligrams per kilogram  
**TPH** Total Petroleum Hydrocarbons

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

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<b>GRO</b>	Gasoline range organics
<b>DRO</b>	Diesel range organics
<b>MRO</b>	Motor oil range organics
<b>S</b>	Sample
<b>C</b>	Confirmation Sample
<b>SW</b>	Sidewall Sample
<b>TT</b>	Test Trench
<b>R</b>	Refusal
<b>ND</b>	Analyte Not De- tected
	Analyte Not
<b>NT</b>	Tested

### Excavation Summary

On June 7, 2023, Talon personnel return to location and collected confirmation samples. All soil samples were properly collected and preserved for transport to Cardinal Laboratories for analysis. The soil sample results from the laboratory are tabulated above in Table 1. Confirmation sample locations are illustrated on Figure 1, [Appendix I](#).

On June 14, 2023, talon personnel return to begin excavation around the old tank battery. Excavations reached a depth of 18 feet bgs to remove all containmates. Samples C-28, C-30, C-33, C-36, C-39, and C-40 were orginally going to be floor samples, but due to finding additional contaminates in that area they were converted into sidewall samples to keep cronological order. An SW was placed next to those samples to indicate a side wall. The soil sample results from the laboratory are tabulated above in Table 1. Confirmation sample locations are illustrated on Figure 1, [Appendix I](#).

On June 20, 23 and, 29, 2023, based on the laboratory results, Talon personnel return to location and collected additional samples confirmation samples at C-29, C-30SW, C-32, C-36SW, C-40SW and C-45. All soil samples were properly collected and preserved for transport to Cardinal Laboratories for analysis. The soil sample results from the laboratory are tabulated above in Table 1. Confirmation sample locations are illustrated on Figure 1, [Appendix I](#).

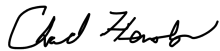
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### Closure

On behalf of EOG Resources, we respectfully request that no further actions be required and that closure of this incident be granted.

Respectfully submitted,

Talon/LPE



Chad Hensley  
Project Manager

#### Attachments:

- Appendix I Site Maps
- Appendix II Groundwater Data, Soil Survey, FEMA Flood Map
- Appendix III C-141 Forms, NMOCD Correspondence
- Appendix IV Photographic Documentation
- Appendix V Laboratory Reports



## Appendix I

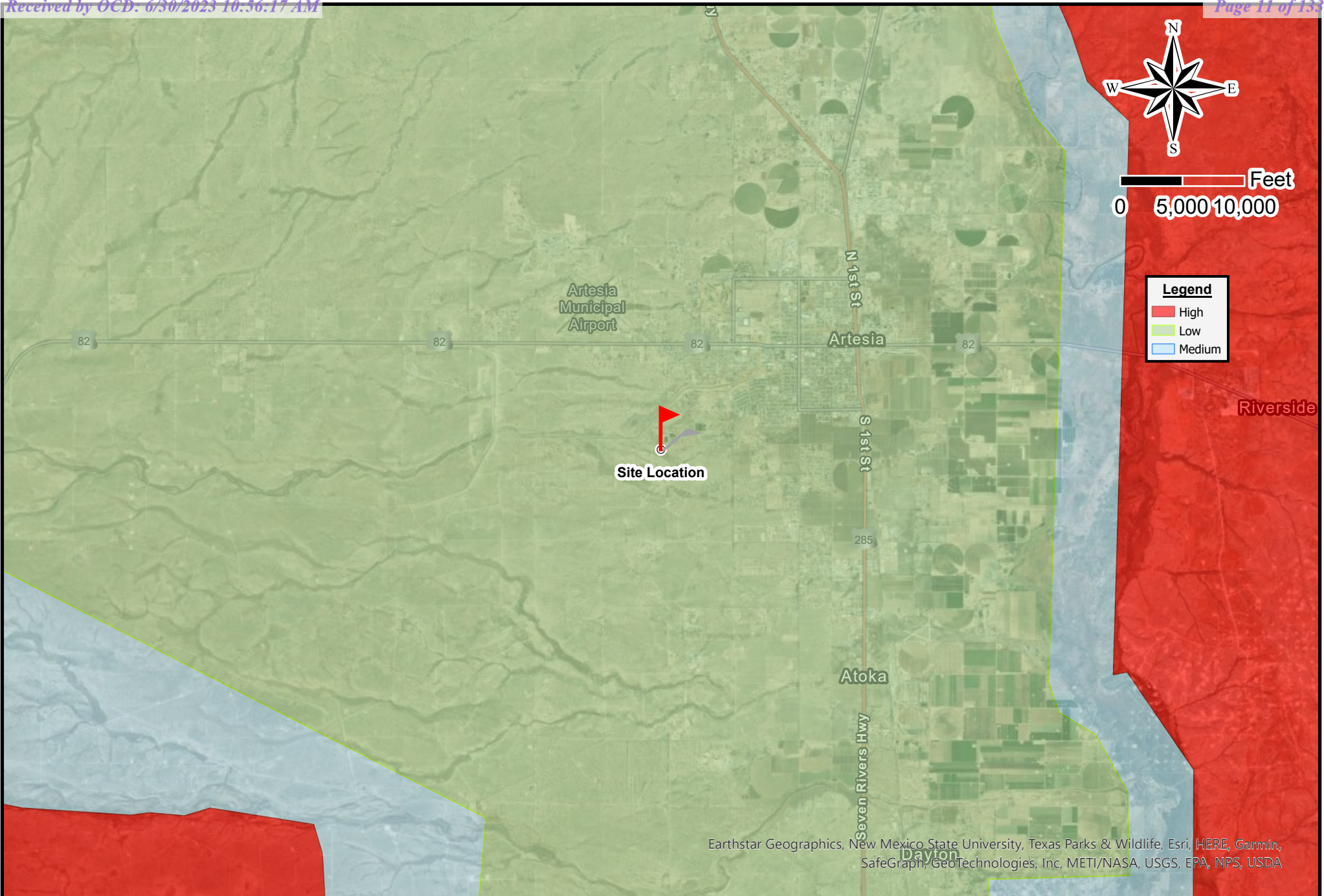
### Site Maps



Drafted: 6/26/2023  
1 in = 50 ft  
Drafted By: IJR

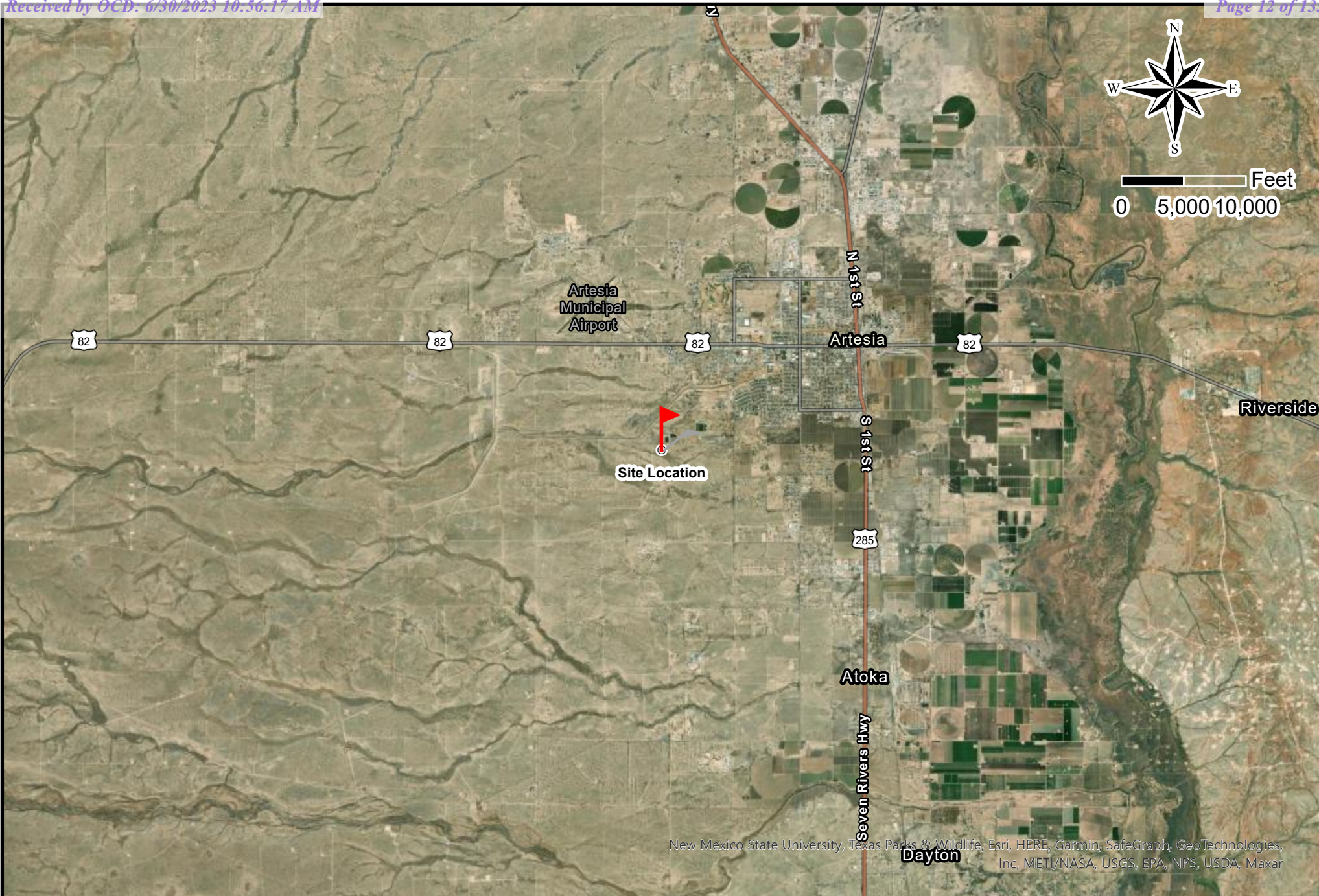
Figure 1

EOG  
Mitchell SWD #2  
Eddy County, NM  
Confirmation Map



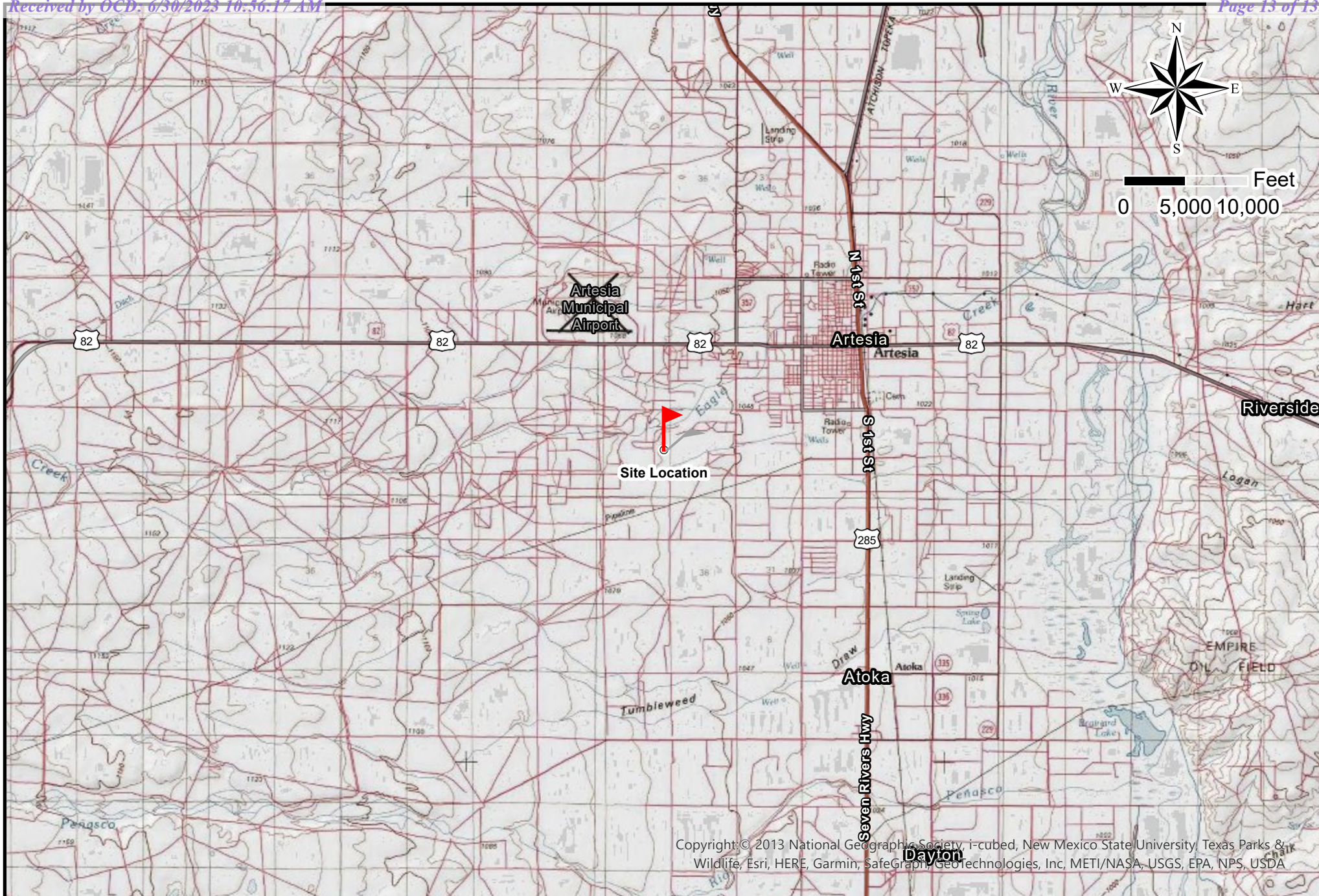
Drafted: 6/26/2023  
1 in = 10,000 ft  
Drafted By: IJR

EOG  
Mitchell SWD #2  
Eddy County, NM  
Karst Map



Drafted: 6/26/2023  
1 in = 10,000 ft  
Drafted By: IJR

EOG  
Mitchell SWD #2  
Eddy County, NM  
Location Map



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Drafted: 6/26/2023  
1 in = 10,000 ft  
Drafted By: IJR

EOG  
Mitchell SWD #2  
Eddy County, NM  
Topographic Map



## **Appendix II**

Groundwater Data

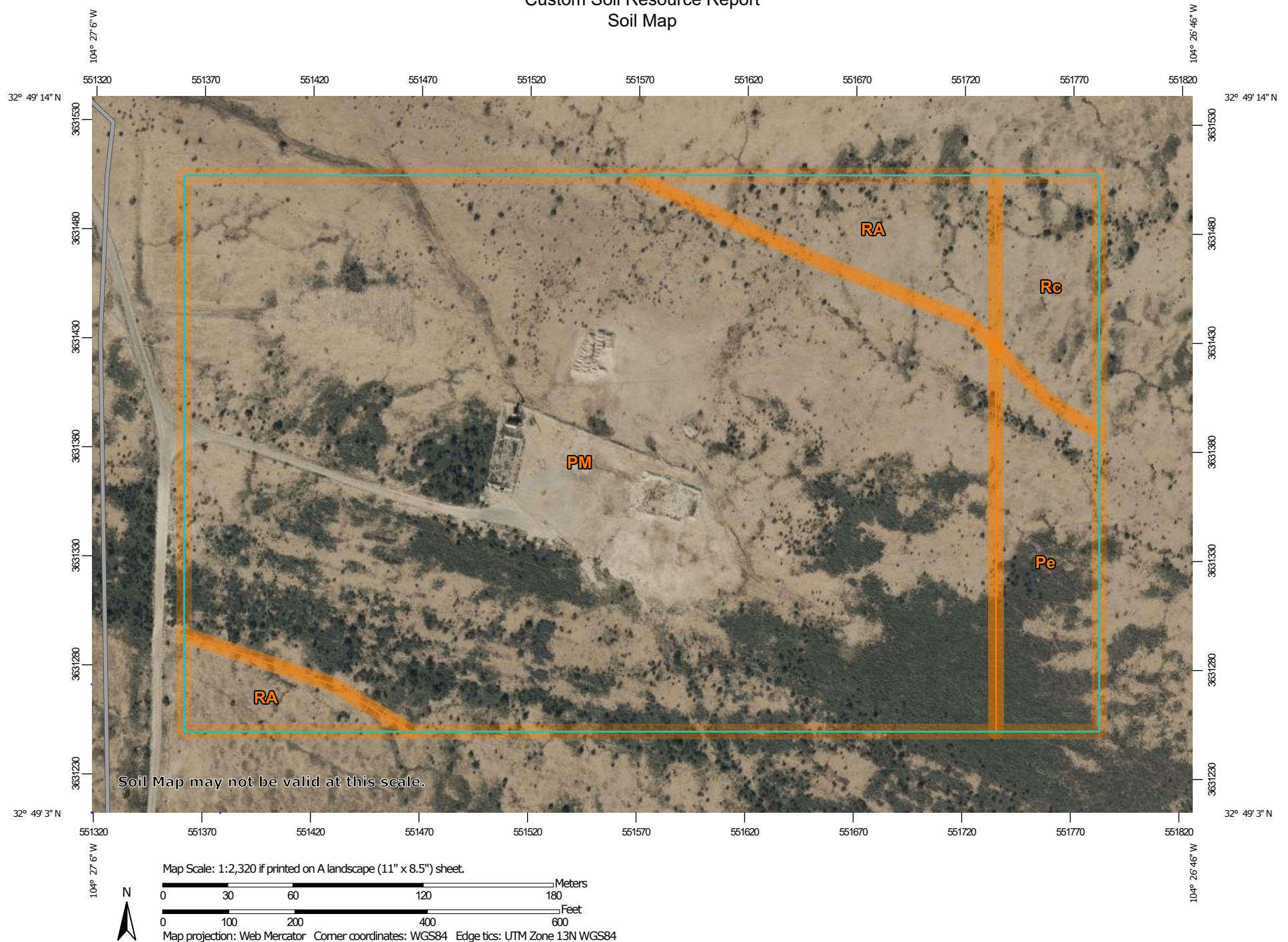
Soil Survey

FEMA Flood Map

## Soil Map

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

Custom Soil Resource Report  
Soil Map

## Custom Soil Resource Report

## MAP LEGEND

## Area of Interest (AOI)

 Area of Interest (AOI)


## Soils


 Soil Map Unit Polygons


 Soil Map Unit Lines


 Soil Map Unit Points

## Special Point Features

 Blowout

 Borrow Pit

 Clay Spot

 Closed Depression

 Gravel Pit

 Gravelly Spot

 Landfill

 Lava Flow

 Marsh or swamp

 Mine or Quarry

 Miscellaneous Water

 Perennial Water

 Rock Outcrop


 Saline Spot

 Sandy Spot

 Severely Eroded Spot


 Sinkhole

 Slide or Slip


 Sodic Spot

 Spoil Area

 Stony Spot


 Very Stony Spot

 Wet Spot

 Other

 Special Line Features

## Water Features

 Streams and Canals


## Transportation

 Rails


 Interstate Highways

 US Routes

 Major Roads

 Local Roads

## Background

 Aerial Photography

## MAP INFORMATION

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

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

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

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

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

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

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

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

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

Date(s) aerial images were photographed: 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.

## Custom Soil Resource Report

**Eddy Area, New Mexico****Pe—Pima silt loam, 0 to 1 percent slopes****Map Unit Setting***National map unit symbol: 1w58**Elevation: 600 to 4,200 feet**Mean annual precipitation: 8 to 25 inches**Mean annual air temperature: 60 to 70 degrees F**Frost-free period: 195 to 290 days**Farmland classification: Prime farmland if irrigated***Map Unit Composition***Pima and similar soils: 98 percent**Minor components: 2 percent**Estimates are based on observations, descriptions, and transects of the mapunit.***Description of Pima****Setting***Landform: Flood plains, alluvial flats, alluvial fans**Landform position (three-dimensional): Talf, rise**Down-slope shape: Convex, linear**Across-slope shape: Linear, convex**Parent material: Alluvium***Typical profile***H1 - 0 to 3 inches: silt loam**H2 - 3 to 60 inches: silty 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: RareNone**Frequency of ponding: None**Calcium carbonate, maximum content: 15 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 11.9 inches)***Interpretive groups***Land capability classification (irrigated): 1**Land capability classification (nonirrigated): 7c**Hydrologic Soil Group: C**Ecological site: R070BC017NM - Bottomland**Hydric soil rating: No***Minor Components****Reagan***Percent of map unit: 1 percent*

## Custom Soil Resource Report

*Ecological site: R070BC007NM - Loamy**Hydric soil rating: No***Dev***Percent of map unit: 1 percent**Ecological site: R070BC017NM - Bottomland**Hydric soil rating: No***PM—Pima silt loam, 0 to 1 percent slopes****Map Unit Setting***National map unit symbol: 1w56**Elevation: 600 to 4,200 feet**Mean annual precipitation: 8 to 25 inches**Mean annual air temperature: 60 to 70 degrees F**Frost-free period: 195 to 290 days**Farmland classification: Farmland of statewide importance***Map Unit Composition***Pima and similar soils: 98 percent**Minor components: 2 percent**Estimates are based on observations, descriptions, and transects of the mapunit.***Description of Pima****Setting***Landform: Flood plains, alluvial flats, alluvial fans**Landform position (three-dimensional): Talf, rise**Down-slope shape: Convex, linear**Across-slope shape: Linear, convex**Parent material: Alluvium***Typical profile***H1 - 0 to 3 inches: silt loam**H2 - 3 to 60 inches: silty 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: RareNone**Frequency of ponding: None**Calcium carbonate, maximum content: 15 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 11.9 inches)*

## Custom Soil Resource Report

**Interpretive groups**

*Land capability classification (irrigated): 1*  
*Land capability classification (nonirrigated): 7c*  
*Hydrologic Soil Group: C*  
*Ecological site: R070BC017NM - Bottomland*  
*Hydric soil rating: No*

**Minor Components****Reagan**

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

**Dev**

*Percent of map unit: 1 percent*  
*Ecological site: R070BC017NM - Bottomland*  
*Hydric soil rating: No*

**RA—Reagan loam, 0 to 3 percent slopes****Map Unit Setting**

*National map unit symbol: 1w5c*  
*Elevation: 1,100 to 4,400 feet*  
*Mean annual precipitation: 7 to 14 inches*  
*Mean annual air temperature: 60 to 70 degrees F*  
*Frost-free period: 200 to 240 days*  
*Farmland classification: Farmland of statewide importance*

**Map Unit Composition**

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

**Description of Reagan****Setting**

*Landform: Fan remnants, alluvial fans*  
*Landform position (three-dimensional): Rise*  
*Down-slope shape: Convex, linear*  
*Across-slope shape: Linear*  
*Parent material: Alluvium and/or eolian deposits*

**Typical profile**

*H1 - 0 to 8 inches: loam*  
*H2 - 8 to 60 inches: loam*

**Properties and qualities**

*Slope: 0 to 3 percent*  
*Depth to restrictive feature: More than 80 inches*  
*Drainage class: Well drained*

## Custom Soil Resource Report

*Runoff class:* Low

*Capacity of the most limiting layer to transmit water (Ksat):* Moderately high to high  
(0.60 to 2.00 in/hr)

*Depth to water table:* More than 80 inches

*Frequency of flooding:* None

*Frequency of ponding:* None

*Calcium carbonate, maximum content:* 40 percent

*Maximum salinity:* Very slightly saline to moderately saline (2.0 to 8.0 mmhos/cm)

*Sodium adsorption ratio, maximum:* 1.0

*Available water supply, 0 to 60 inches:* Moderate (about 8.2 inches)

**Interpretive groups**

*Land capability classification (irrigated):* 2e

*Land capability classification (nonirrigated):* 6e

*Hydrologic Soil Group:* B

*Ecological site:* R070BC007NM - Loamy

*Hydric soil rating:* No

**Minor Components****Atoka**

*Percent of map unit:* 1 percent

*Ecological site:* R070BC007NM - Loamy

*Hydric soil rating:* No

**Upton**

*Percent of map unit:* 1 percent

*Ecological site:* R070BC025NM - Shallow

*Hydric soil rating:* No

**Rc—Reagan loam, 0 to 1 percent slopes****Map Unit Setting**

*National map unit symbol:* 1w5l

*Elevation:* 1,100 to 5,300 feet

*Mean annual precipitation:* 7 to 15 inches

*Mean annual air temperature:* 57 to 70 degrees F

*Frost-free period:* 200 to 240 days

*Farmland classification:* Farmland of statewide importance

**Map Unit Composition**

*Reagan and similar soils:* 97 percent

*Minor components:* 3 percent

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

**Description of Reagan****Setting**

*Landform:* Fan remnants, alluvial fans

*Landform position (three-dimensional):* Rise

*Down-slope shape:* Convex, linear

## Custom Soil Resource Report

*Across-slope shape:* Linear

*Parent material:* Alluvium and/or eolian deposits

**Typical profile**

*H1 - 0 to 8 inches:* loam

*H2 - 8 to 82 inches:* loam

**Properties and qualities**

*Slope:* 0 to 1 percent

*Depth to restrictive feature:* More than 80 inches

*Drainage class:* Well drained

*Runoff class:* Low

*Capacity of the most limiting layer to transmit water (Ksat):* Moderately high to high  
(0.60 to 2.00 in/hr)

*Depth to water table:* More than 80 inches

*Frequency of flooding:* None

*Frequency of ponding:* None

*Calcium carbonate, maximum content:* 40 percent

*Maximum salinity:* Very slightly saline to moderately saline (2.0 to 8.0 mmhos/cm)

*Sodium adsorption ratio, maximum:* 1.0

*Available water supply, 0 to 60 inches:* Moderate (about 8.2 inches)

**Interpretive groups**

*Land capability classification (irrigated):* 2e

*Land capability classification (nonirrigated):* 6c

*Hydrologic Soil Group:* B

*Ecological site:* R070BC007NM - Loamy

*Hydric soil rating:* No

**Minor Components****Reagan**

*Percent of map unit:* 1 percent

*Ecological site:* R070BC007NM - Loamy

*Hydric soil rating:* No

**Upton**

*Percent of map unit:* 1 percent

*Ecological site:* R070BC025NM - Shallow

*Hydric soil rating:* No

**Reeves**

*Percent of map unit:* 1 percent

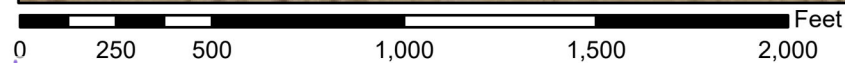
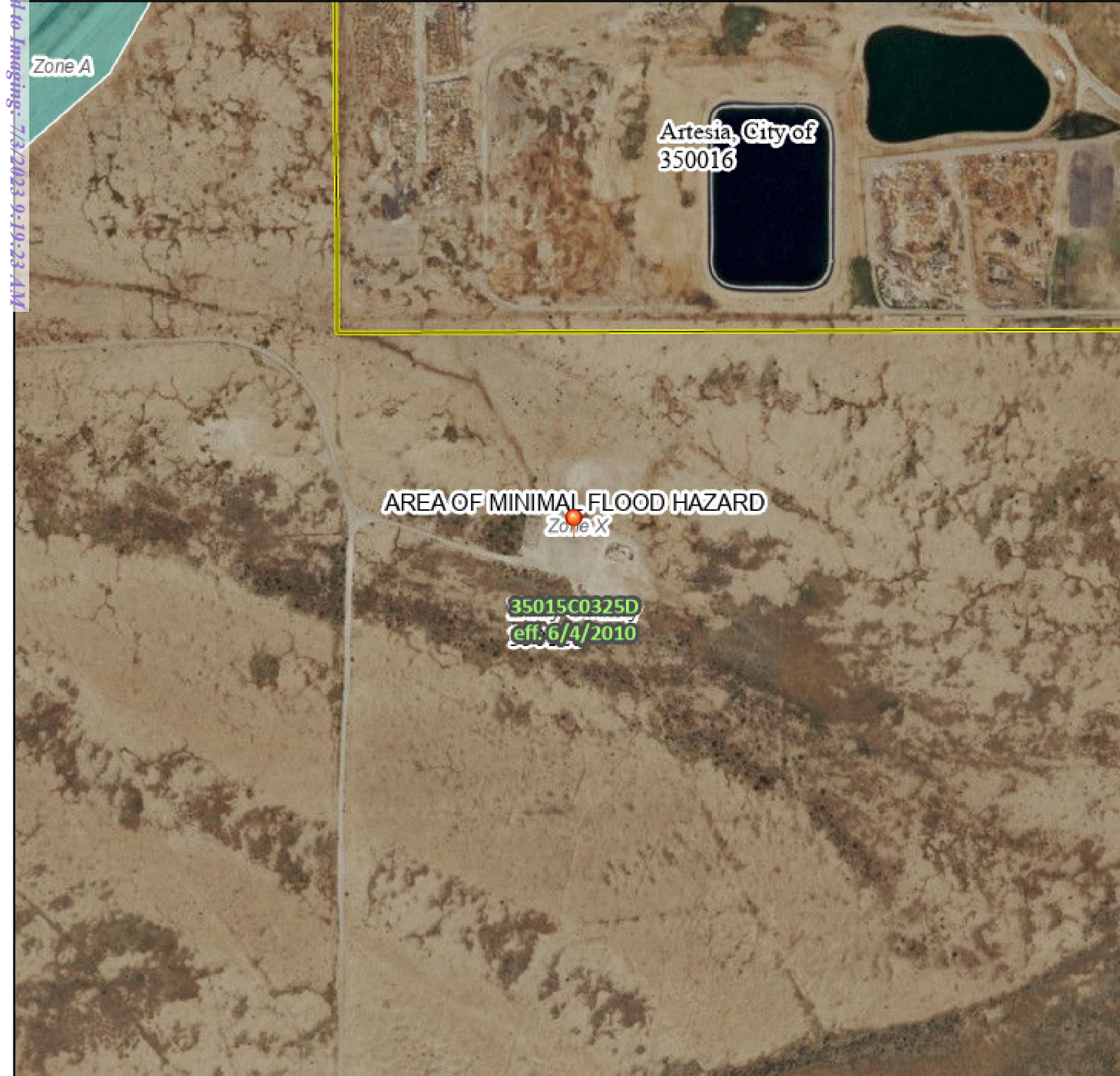
*Ecological site:* R070BC007NM - Loamy

*Hydric soil rating:* No

# National Flood Hazard Layer FIRMette



104°27'16"W 32°49'24"N



1:6,000

104°26'39"W 32°48'54"N

Basemap Imagery Source: USGS National Map 2023

## 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 X
OTHER AREAS		NO SCREEN Area of Minimal Flood Hazard Zone X
		Effective LOMRs
		Area of Undetermined Flood Hazard Zone D
GENERAL STRUCTURES		Channel, Culvert, or Storm Sewer
		Levee, Dike, or Floodwall
OTHER FEATURES		20.2 Cross Sections with 1% Annual Chance Water Surface Elevation
		17.5
		Coastal Transect
		Base Flood Elevation Line (BFE)
		Limit of Study
		Jurisdiction Boundary
		Coastal Transect Baseline
		Profile Baseline
		Hydrographic Feature
		Digital Data Available
MAP PANELS		No Digital Data Available
		Unmapped
		The pin displayed on the map is an approximate point selected by the user and does not represent an authoritative property location.

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

The flood hazard information is derived directly from the authoritative NFHL web services provided by FEMA. This map was exported on 6/28/2023 at 10:34 AM and does not reflect changes or amendments subsequent to this date and time. The NFHL and effective information may change or become superseded by new data over time.

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

Received by OCD: 6/28/23 10:56:17 AM

Page 23 of 133



## **Appendix III**

C-141 Forms

NMOCD Correspondence

Incident ID	nAB1526132368
District RP	
Facility ID	
Application ID	

## Closure

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

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

- ☒ A scaled site and sampling diagram as described in 19.15.29.11 NMAC
- ☒ Photographs of the remediated site prior to backfill or photos of the liner integrity if applicable (Note: appropriate OCD District office must be notified 2 days prior to liner inspection)
- ☒ Laboratory analyses of final sampling (Note: appropriate ODC District office must be notified 2 days prior to final sampling)
- ☒ Description of remediation activities

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

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

Signature:  Date: 6/30/2023

email: jeremy\_Haass@eogresources.com Telephone: 575-748-4311

### OCD Only

Received by: \_\_\_\_\_ Date: \_\_\_\_\_

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

Closure Approved by:  Date: 7/03/2023

Printed Name: Ashley Maxwell Title: Environmental Specialist

Incident ID	nAB1529255081
District RP	
Facility ID	
Application ID	

## Closure

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

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

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

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

Signature:  Date: 6/30/2023

email: jeremy\_Haass@eogresources.com Telephone: 575-748-4311

### OCD Only

Received by: \_\_\_\_\_ Date: \_\_\_\_\_

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

Closure Approved by:  Date: 7/03/2023

Printed Name: Ashley Maxwell Title: Environmental Specialist

Incident ID	nKMW0800235934
District RP	
Facility ID	
Application ID	

## Closure

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

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- ☒ Description of remediation activities

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Printed Name: Jermei Haass Title: Sr. Safety & Environmental Specialist

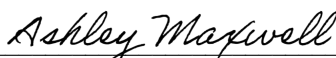
Signature:  Date: 6/30/2023

email: jeremy\_Haass@eogresources.com Telephone: 575-748-4311

### OCD Only

Received by: \_\_\_\_\_ Date: \_\_\_\_\_

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Closure Approved by:  Date: 7/03/2023

Printed Name: Ashley Maxwell Title: Environmental Specialist

Incident ID	nSEB0813056099
District RP	
Facility ID	
Application ID	

## Closure

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

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Printed Name: Jermei Haass Title: Sr. Safety & Environmental Specialist

Signature:  Date: 6/30/2023

email: jeremy\_Haass@eogresources.com Telephone: 575-748-4311

### OCD Only

Received by: \_\_\_\_\_ Date: \_\_\_\_\_

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

Closure Approved by:  Date: 7/03/2023

Printed Name: Ashley Maxwell Title: Environmental Specialist

Incident ID	nSEB0826247749
District RP	
Facility ID	
Application ID	

## Closure

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

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

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Printed Name: Jermei Haass Title: Sr. Safety & Environmental Specialist

Signature:  Date: 6/30/2023

email: jeremy\_Haass@eogresources.com Telephone: 575-748-4311

### OCD Only

Received by: \_\_\_\_\_ Date: \_\_\_\_\_

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

Closure Approved by:  Date: 7/03/2023

Printed Name: Ashley Maxwell Title: Environmental Specialist

**From:** [Hamlet, Robert, EMNRD](#)  
**To:** [Chad Hensley](#)  
**Cc:** [Jeremy\\_Haass@eogresources.com](mailto:Jeremy_Haass@eogresources.com); [Chase Settle](#); [David J. Adkins](#)  
**Subject:** RE: [EXTERNAL] Variance Request for NSEB0826247749  
**Date:** Monday, May 8, 2023 7:53:29 AM  
**Attachments:** [image002.png](#)  
[image003.png](#)

This message originated from an **External Source**. Please use proper judgment and caution when opening attachments, clicking links, or responding to this email.

Chad,

A variance is approved for collecting 5-point composite confirmation samples to represent each 500 square foot area. Please include this e-mail correspondence in the remediation and/or closure report.

**Robert Hamlet** • Environmental Specialist - Advanced  
Environmental Bureau  
EMNRD - Oil Conservation Division  
506 W. Texas Ave. | Artesia, NM 88210  
575.909.0302 | [robert.hamlet@state.nm.us](mailto:robert.hamlet@state.nm.us)  
<http://www.emnrd.state.nm.us/OCD/>



**From:** Enviro, OCD, EMNRD <[OCD.Enviro@emnrd.nm.gov](mailto:OCD.Enviro@emnrd.nm.gov)>  
**Sent:** Friday, May 5, 2023 12:02 PM  
**To:** Hamlet, Robert, EMNRD <[Robert.Hamlet@emnrd.nm.gov](mailto:Robert.Hamlet@emnrd.nm.gov)>  
**Subject:** FW: [EXTERNAL] Variance Request for NSEB0826247749

**Jocelyn Harimon** • Environmental Specialist  
Environmental Bureau  
EMNRD - Oil Conservation Division  
1220 South St. Francis Drive | Santa Fe, NM 87505  
(505)469-2821 | [Jocelyn.Harimon@emnrd.nm.gov](mailto:Jocelyn.Harimon@emnrd.nm.gov)  
[http:// www.emnrd.nm.gov](http://www.emnrd.nm.gov)



**From:** Chad Hensley <[chensley@talonlpe.com](mailto:chensley@talonlpe.com)>

**Sent:** Friday, May 5, 2023 11:58 AM

**To:** Enviro, OCD, EMNRD <[OCD.Enviro@emnrd.nm.gov](mailto:OCD.Enviro@emnrd.nm.gov)>

**Cc:** Jeremy Haass <[Jeremy\\_Haass@eogresources.com](mailto:Jeremy_Haass@eogresources.com)>; Chase Settle <[Chase\\_Settle@eogresources.com](mailto:Chase_Settle@eogresources.com)>; David J. Adkins <[dadkins@talonlpe.com](mailto:dadkins@talonlpe.com)>

**Subject:** [EXTERNAL] Variance Request for NSEB0826247749

CAUTION: This email originated outside of our organization. Exercise caution prior to clicking on links or opening attachments.

To whom it may concern.

On behalf of EOG, Talon would like to request an allowable variance for confirmation sampling to 500 sq/ft. from 200 sq/ft.

Thank you for your time,

**Chad Hensley**

**Environmental Project Manager**

Office: 575.746.8768 x708

Direct: 575.616.4023

Cell: 575.246.0032

Fax: 575.746.8905

Emergency: 866.742.0742

Web: [www.talonlpe.com](http://www.talonlpe.com)



At Talon/LPE, we are quality in all things, including communication. Have a question? Need a quote? Send an email to [clientrelations@talonlpe.com](mailto:clientrelations@talonlpe.com).

**From:** Hamlet, Robert, EMNRD <Robert.Hamlet@emnrd.nm.gov>  
**Sent:** Wednesday, June 28, 2023 1:29 PM  
**To:** Chad Hensley  
**Subject:** (Variance Approval) Mitchell SWD # 2 - NKMW0800235934, NSEB0813056099, NAB1526132368, NAB1529255081

This message originated from an **External Source**. Please use proper judgment and caution when opening attachments, clicking links, or responding to this email.

Re: Incident # **NKMW0800235934**, **NSEB0813056099**, **NAB1526132368**, **NAB1529255081**

-  
**Chad**

-  
The variance request for 500 ft<sup>2</sup> composite confirmation sample size is approved. Please include this e-mail correspondence in the remediation and/or closure report.

**Robert Hamlet** • Environmental Specialist - Advanced  
Environmental Bureau  
EMNRD - Oil Conservation Division  
506 W. Texas Ave. | Artesia, NM 88210  
575.909.0302 | [robert.hamlet@state.nm.us](mailto:robert.hamlet@state.nm.us)  
<http://www.emnrd.state.nm.us/OCD/>



---

**From:** Chad Hensley <[chensley@talonlpe.com](mailto:chensley@talonlpe.com)>  
**Sent:** Wednesday, June 28, 2023 1:11 PM  
**To:** Hamlet, Robert, EMNRD <[Robert.Hamlet@emnrd.nm.gov](mailto:Robert.Hamlet@emnrd.nm.gov)>  
**Subject:** RE: [EXTERNAL] Mitchell SWD # 2

Yes same location, same tank battery.

Sent from [Mail](#) for Windows

---

**From:** [Hamlet, Robert, EMNRD](#)  
**Sent:** Wednesday, June 28, 2023 1:10 PM  
**To:** [Chad Hensley](#)  
**Subject:** RE: [EXTERNAL] Mitchell SWD # 2

This message originated from an **External Source**. Please use proper judgment and caution when opening attachments, clicking links, or responding to this email.

Chad,

Are all the spills on the same location? I'm guessing your asking for 500 ft<sup>2</sup> confirmation samples.

**Robert Hamlet** • Environmental Specialist - Advanced  
Environmental Bureau



## **Appendix IV**

### Photographic Documentation



Mitchell SWD # 2 Remediation Project  
Eddy County, NM



**Photograph No.1 Description:**

Initial excavation of site to 4.5 ‘



**Photograph No.2 Description:**

Initial excavation of site to 4.5 ‘



**Photograph No.3 Description:**

Initial excavation of site to 4.5 ‘

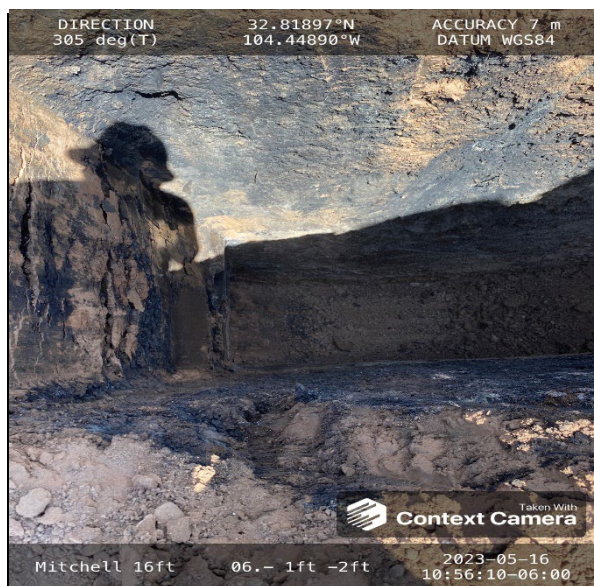


**Photograph No.4 Description:**

Initial excavation of site to 4.5 ‘



Mitchell SWD # 2 Remediation Project  
Eddy County, NM



**Photograph No.5 Description:**

Discovery of contaminates to 18'



**Photograph No.6 Description:**

Discovery of contaminates to 18'



**Photograph No.7 Description:**

Excavation to 18' under tank battery area.



**Photograph No.8 Description:**

Excavation to 18' under tank battery area.

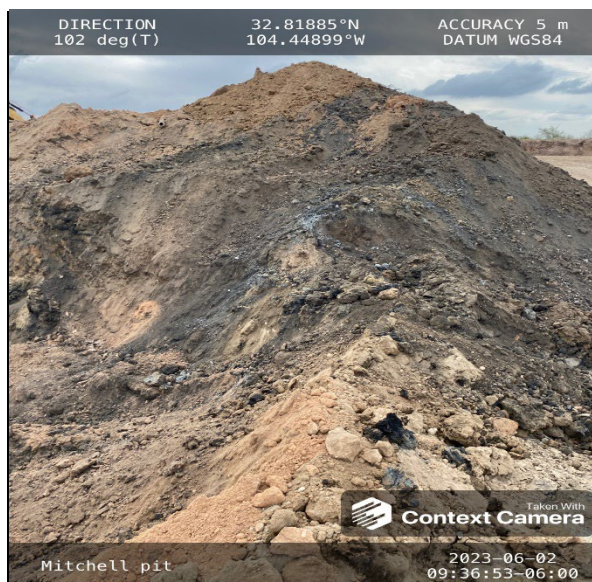


Mitchell SWD # 2 Remediation Project  
Eddy County, NM



**Photograph No.9 Description:**

Excavation to 18' under tank battery area.



**Photograph No.10 Description:**

Excavation to 18' under tank battery area.



**Photograph No.11 Description:**

Excavation to 18' under tank battery area.



**Photograph No.12 Description:**

Excavation to 18' under tank battery area.



## **Appendix V**

### Laboratory Analytical Reports



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

---

June 12, 2023

DAVID ADKINS

TALON LPE

408 W. TEXAS AVE.

ARTESIA, NM 88210

RE: EOG MITCHELL SWD

Enclosed are the results of analyses for samples received by the laboratory on 06/07/23 14:20.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-22-15. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (\*). For a complete list of accredited analytes and matrices visit the TCEQ website at [www.tceq.texas.gov/field/qa/lab\\_accred\\_certif.html](http://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  
DAVID ADKINS  
408 W. TEXAS AVE.  
ARTESIA NM, 88210  
Fax To: (575) 745-8905

Received: 06/07/2023  
Reported: 06/12/2023  
Project Name: EOG MITCHELL SWD  
Project Number: 700438.307.01  
Project Location: EDDY COUNTY.RE.CEH

Sampling Date: 06/05/2023  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Shalyn Rodriguez

**Sample ID: SW - 1 (0-4) FT (H232906-01)**

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	06/09/2023	ND	2.19	110	2.00	6.15	
Toluene*	<0.050	0.050	06/09/2023	ND	2.26	113	2.00	5.87	
Ethylbenzene*	<0.050	0.050	06/09/2023	ND	2.14	107	2.00	4.65	
Total Xylenes*	<0.150	0.150	06/09/2023	ND	6.65	111	6.00	4.62	
Total BTEX	<0.300	0.300	06/09/2023	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	128	16.0	06/08/2023	ND	400	100	400	3.92	

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	06/08/2023	ND	177	88.3	200	4.58	
DRO >C10-C28*	<10.0	10.0	06/08/2023	ND	175	87.6	200	5.37	
EXT DRO >C28-C36	<10.0	10.0	06/08/2023	ND					

Surrogate: 1-Chlorooctane 111 % 48.2-134

Surrogate: 1-Chlorooctadecane 115 % 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: 06/07/2023  
Reported: 06/12/2023  
Project Name: EOG MITCHELL SWD  
Project Number: 700438.307.01  
Project Location: EDDY COUNTY.RE.CEH

Sampling Date: 06/05/2023  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Shalyn Rodriguez

**Sample ID: SW - 2 (0-4) FT (H232906-02)**

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	06/09/2023	ND	2.19	110	2.00	6.15		
Toluene*	<0.050	0.050	06/09/2023	ND	2.26	113	2.00	5.87		
Ethylbenzene*	<0.050	0.050	06/09/2023	ND	2.14	107	2.00	4.65		
Total Xylenes*	<0.150	0.150	06/09/2023	ND	6.65	111	6.00	4.62		
Total BTEx	<0.300	0.300	06/09/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 108 % 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	848	16.0	06/08/2023	ND	400	100	400	3.92		

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	06/08/2023	ND	177	88.3	200	4.58	
DRO >C10-C28*	<10.0	10.0	06/08/2023	ND	175	87.6	200	5.37	
EXT DRO >C28-C36	<10.0	10.0	06/08/2023	ND					

Surrogate: 1-Chlorooctane 111 % 48.2-134

Surrogate: 1-Chlorooctadecane 114 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

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

Received: 06/07/2023  
Reported: 06/12/2023  
Project Name: EOG MITCHELL SWD  
Project Number: 700438.307.01  
Project Location: EDDY COUNTY.RE.CEH

Sampling Date: 06/05/2023  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Shalyn Rodriguez

**Sample ID: SW - 3 (0-4) FT (H232906-03)**

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	06/09/2023	ND	2.19	110	2.00	6.15	
Toluene*	<0.050	0.050	06/09/2023	ND	2.26	113	2.00	5.87	
Ethylbenzene*	<0.050	0.050	06/09/2023	ND	2.14	107	2.00	4.65	
Total Xylenes*	<0.150	0.150	06/09/2023	ND	6.65	111	6.00	4.62	
Total BTEx	<0.300	0.300	06/09/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 106 % 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	128	16.0	06/08/2023	ND	400	100	400	3.92		

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	06/08/2023	ND	177	88.3	200	4.58	
DRO >C10-C28*	<10.0	10.0	06/08/2023	ND	175	87.6	200	5.37	
EXT DRO >C28-C36	<10.0	10.0	06/08/2023	ND					

Surrogate: 1-Chlorooctane 110 % 48.2-134

Surrogate: 1-Chlorooctadecane 115 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

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

Received: 06/07/2023  
Reported: 06/12/2023  
Project Name: EOG MITCHELL SWD  
Project Number: 700438.307.01  
Project Location: EDDY COUNTY.RE.CEH

Sampling Date: 06/05/2023  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Shalyn Rodriguez

**Sample ID: SW - 4 (0-4) FT (H232906-04)**

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	06/09/2023	ND	2.19	110	2.00	6.15		
Toluene*	<0.050	0.050	06/09/2023	ND	2.26	113	2.00	5.87		
Ethylbenzene*	<0.050	0.050	06/09/2023	ND	2.14	107	2.00	4.65		
Total Xylenes*	<0.150	0.150	06/09/2023	ND	6.65	111	6.00	4.62		
Total BTEx	<0.300	0.300	06/09/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 108 % 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	128	16.0	06/08/2023	ND	400	100	400	3.92		

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	06/08/2023	ND	177	88.3	200	4.58	
DRO >C10-C28*	<10.0	10.0	06/08/2023	ND	175	87.6	200	5.37	
EXT DRO >C28-C36	<10.0	10.0	06/08/2023	ND					

Surrogate: 1-Chlorooctane 113 % 48.2-134

Surrogate: 1-Chlorooctadecane 116 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

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

Received: 06/07/2023  
Reported: 06/12/2023  
Project Name: EOG MITCHELL SWD  
Project Number: 700438.307.01  
Project Location: EDDY COUNTY.RE.CEH

Sampling Date: 06/05/2023  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Shalyn Rodriguez

**Sample ID: SW - 5 (0-4) FT (H232906-05)**

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	06/09/2023	ND	2.09	104	2.00	0.426	
Toluene*	<0.050	0.050	06/09/2023	ND	2.08	104	2.00	1.11	
Ethylbenzene*	<0.050	0.050	06/09/2023	ND	2.18	109	2.00	0.0263	
Total Xylenes*	<0.150	0.150	06/09/2023	ND	6.45	108	6.00	0.0931	
Total BTEx	<0.300	0.300	06/09/2023	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	432	16.0	06/08/2023	ND	400	100	400	3.92		

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	06/08/2023	ND	190	95.2	200	0.208	
DRO >C10-C28*	<10.0	10.0	06/08/2023	ND	177	88.6	200	1.61	
EXT DRO >C28-C36	<10.0	10.0	06/08/2023	ND					

Surrogate: 1-Chlorooctane 110 % 48.2-134

Surrogate: 1-Chlorooctadecane 118 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

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

Received: 06/07/2023  
Reported: 06/12/2023  
Project Name: EOG MITCHELL SWD  
Project Number: 700438.307.01  
Project Location: EDDY COUNTY.RE.CEH

Sampling Date: 06/05/2023  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Shalyn Rodriguez

**Sample ID: SW - 6 (0-4) FT (H232906-06)**

BTX 8021B		mg/kg		Analyzed By: JH/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	06/09/2023	ND	2.09	104	2.00	0.426		
Toluene*	<0.050	0.050	06/09/2023	ND	2.08	104	2.00	1.11		
Ethylbenzene*	<0.050	0.050	06/09/2023	ND	2.18	109	2.00	0.0263		
Total Xylenes*	<0.150	0.150	06/09/2023	ND	6.45	108	6.00	0.0931		
Total BTX	<0.300	0.300	06/09/2023	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	384	16.0	06/08/2023	ND	400	100	400	3.92		

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	06/08/2023	ND	190	95.2	200	0.208	
DRO >C10-C28*	<10.0	10.0	06/08/2023	ND	177	88.6	200	1.61	
EXT DRO >C28-C36	<10.0	10.0	06/08/2023	ND					

Surrogate: 1-Chlorooctane 122 % 48.2-134

Surrogate: 1-Chlorooctadecane 134 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

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

Received: 06/07/2023  
Reported: 06/12/2023  
Project Name: EOG MITCHELL SWD  
Project Number: 700438.307.01  
Project Location: EDDY COUNTY.RE.CEH

Sampling Date: 06/05/2023  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Shalyn Rodriguez

**Sample ID: SW - 7 (0-4) FT (H232906-07)**

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	06/09/2023	ND	2.09	104	2.00	0.426	
Toluene*	<0.050	0.050	06/09/2023	ND	2.08	104	2.00	1.11	
Ethylbenzene*	<0.050	0.050	06/09/2023	ND	2.18	109	2.00	0.0263	
Total Xylenes*	<0.150	0.150	06/09/2023	ND	6.45	108	6.00	0.0931	
Total BTEx	<0.300	0.300	06/09/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 111 % 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	368	16.0	06/08/2023	ND	400	100	400	3.92	

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	06/08/2023	ND	190	95.2	200	0.208	
DRO >C10-C28*	<10.0	10.0	06/08/2023	ND	177	88.6	200	1.61	
EXT DRO >C28-C36	<10.0	10.0	06/08/2023	ND					

Surrogate: 1-Chlorooctane 108 % 48.2-134

Surrogate: 1-Chlorooctadecane 118 % 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: 06/07/2023  
Reported: 06/12/2023  
Project Name: EOG MITCHELL SWD  
Project Number: 700438.307.01  
Project Location: EDDY COUNTY.RE.CEH

Sampling Date: 06/05/2023  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Shalyn Rodriguez

**Sample ID: SW - 8 (0-4) FT (H232906-08)**

BTX 8021B		mg/kg		Analyzed By: JH/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	06/09/2023	ND	2.09	104	2.00	0.426		
Toluene*	<0.050	0.050	06/09/2023	ND	2.08	104	2.00	1.11		
Ethylbenzene*	<0.050	0.050	06/09/2023	ND	2.18	109	2.00	0.0263		
Total Xylenes*	<0.150	0.150	06/09/2023	ND	6.45	108	6.00	0.0931		
Total BTX	<0.300	0.300	06/09/2023	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	112	16.0	06/08/2023	ND	400	100	400	3.92	

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	06/08/2023	ND	190	95.2	200	0.208	
DRO >C10-C28*	<10.0	10.0	06/08/2023	ND	177	88.6	200	1.61	
EXT DRO >C28-C36	<10.0	10.0	06/08/2023	ND					

Surrogate: 1-Chlorooctane 106 % 48.2-134

Surrogate: 1-Chlorooctadecane 113 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

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

Received: 06/07/2023  
Reported: 06/12/2023  
Project Name: EOG MITCHELL SWD  
Project Number: 700438.307.01  
Project Location: EDDY COUNTY.RE.CEH

Sampling Date: 06/05/2023  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Shalyn Rodriguez

**Sample ID: SW - 9 (0-4) FT (H232906-09)**

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	06/09/2023	ND	2.09	104	2.00	0.426	
Toluene*	<0.050	0.050	06/09/2023	ND	2.08	104	2.00	1.11	
Ethylbenzene*	<0.050	0.050	06/09/2023	ND	2.18	109	2.00	0.0263	
Total Xylenes*	<0.150	0.150	06/09/2023	ND	6.45	108	6.00	0.0931	
Total BTEx	<0.300	0.300	06/09/2023	ND					

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	144	16.0	06/08/2023	ND	400	100	400	3.92	

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	06/08/2023	ND	190	95.2	200	0.208	
DRO >C10-C28*	<10.0	10.0	06/08/2023	ND	177	88.6	200	1.61	
EXT DRO >C28-C36	<10.0	10.0	06/08/2023	ND					

Surrogate: 1-Chlorooctane 110 % 48.2-134

Surrogate: 1-Chlorooctadecane 120 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

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

Received: 06/07/2023  
Reported: 06/12/2023  
Project Name: EOG MITCHELL SWD  
Project Number: 700438.307.01  
Project Location: EDDY COUNTY.RE.CEH

Sampling Date: 06/05/2023  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Shalyn Rodriguez

**Sample ID: SW - 10 (0-4) FT (H232906-10)**

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	06/09/2023	ND	2.09	104	2.00	0.426		
Toluene*	<0.050	0.050	06/09/2023	ND	2.08	104	2.00	1.11		
Ethylbenzene*	<0.050	0.050	06/09/2023	ND	2.18	109	2.00	0.0263		
Total Xylenes*	<0.150	0.150	06/09/2023	ND	6.45	108	6.00	0.0931		
Total BTEx	<0.300	0.300	06/09/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 111 % 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	320	16.0	06/08/2023	ND	400	100	400	3.92		

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	06/08/2023	ND	190	95.2	200	0.208	
DRO >C10-C28*	<10.0	10.0	06/08/2023	ND	177	88.6	200	1.61	
EXT DRO >C28-C36	<10.0	10.0	06/08/2023	ND					

Surrogate: 1-Chlorooctane 106 % 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

**Analytical Results For:**

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

Received: 06/07/2023  
Reported: 06/12/2023  
Project Name: EOG MITCHELL SWD  
Project Number: 700438.307.01  
Project Location: EDDY COUNTY.RE.CEH

Sampling Date: 06/05/2023  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Shalyn Rodriguez

**Sample ID: SW - 11 (0-4) FT (H232906-11)**

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	06/09/2023	ND	2.09	104	2.00	0.426	
Toluene*	<0.050	0.050	06/09/2023	ND	2.08	104	2.00	1.11	
Ethylbenzene*	<0.050	0.050	06/09/2023	ND	2.18	109	2.00	0.0263	
Total Xylenes*	<0.150	0.150	06/09/2023	ND	6.45	108	6.00	0.0931	
Total BTEx	<0.300	0.300	06/09/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 105 % 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	240	16.0	06/08/2023	ND	400	100	400	3.92		

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	06/08/2023	ND	190	95.2	200	0.208	
DRO >C10-C28*	<10.0	10.0	06/08/2023	ND	177	88.6	200	1.61	
EXT DRO >C28-C36	<10.0	10.0	06/08/2023	ND					

Surrogate: 1-Chlorooctane 112 % 48.2-134

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

Received: 06/07/2023  
Reported: 06/12/2023  
Project Name: EOG MITCHELL SWD  
Project Number: 700438.307.01  
Project Location: EDDY COUNTY.RE.CEH

Sampling Date: 06/05/2023  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Shalyn Rodriguez

**Sample ID: SW - 12 (0-4) FT (H232906-12)**

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	06/09/2023	ND	2.09	104	2.00	0.426	
Toluene*	<0.050	0.050	06/09/2023	ND	2.08	104	2.00	1.11	
Ethylbenzene*	<0.050	0.050	06/09/2023	ND	2.18	109	2.00	0.0263	
Total Xylenes*	<0.150	0.150	06/09/2023	ND	6.45	108	6.00	0.0931	
Total BTEX	<0.300	0.300	06/09/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 111 % 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	64.0	16.0	06/08/2023	ND	400	100	400	3.92	

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	06/08/2023	ND	190	95.2	200	0.208	
DRO >C10-C28*	<10.0	10.0	06/08/2023	ND	177	88.6	200	1.61	
EXT DRO >C28-C36	<10.0	10.0	06/08/2023	ND					

Surrogate: 1-Chlorooctane 101 % 48.2-134

Surrogate: 1-Chlorooctadecane 111 % 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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Cardinal Laboratories

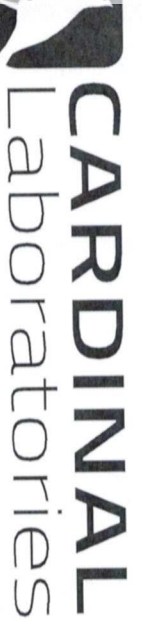
\*=Accredited Analyte

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

---

Celey D. Keene, Lab Director/Quality Manager



CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

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

Received by OCD: 6/30/2023 10:56:17 AM

Company Name: Talon LPE		P.O. #:		BILL TO										ANALYSIS REQUEST									
Project Manager: CHAD HENSLEY		Company: EOG																					
Address: 408 W. Texas Ave		Attn: J. Haass																					
City: Artesia		Address:																					
Phone #: 575.746.8768		City:																					
Fax #: 575.746.8768		State: NM																					
Project #: 700438.307.01		Zip: 88210																					
Project Owner: EOG Mitchell SWD		State:																					
Project Name: EOG Mitchell SWD		City:																					
Project Location: Eddy County		State:																					
Project Phone #: Eddy County		Phone #:																					
Project Fax #: Eddy County		Fax #:																					
Sampler Name: N. Rose		Matrix:																					
FOR LAB USE ONLY		PRESERV.																					
Lab I.D.		Sample I.D.																					
1033900		1033900																					
SW-1		SW-1																					
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SW-215		SW-215																					
SW-216		SW-2																					

## CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

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

(5/5) 393-2326 FAX (5/5) 393-2470

BILL TO

ANALYSIS REQUEST

Company Name: Talon LPE

Project Manager: C. Hensley

Address: 408 W. Texas Ave

City: Artesia State: NM Zip: 88210

Phone #: 575.746.8768 Fax #:

Project #: 700438.307.01 Project Owner:

Project Name: EOG Mitchell SWD

Project Location: EDDY County

Sample Name: N. Rose

FOR LAB USE ONLY

Lab I.D.

Sample I.D.

H339106  
H  
SW-11 Depth (0-4 ft)  
SW-12 ↓

(G)RAB OR (C)OMP.

# CONTAINERS

GROUNDWATER

WASTEWATER

SOIL

OIL

SLUDGE

OTHER :

ACID/BASE:

ICE / COOL

OTHER :

DATE

TIME

CL

BTEX

TPH

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Relinquished By:

Date:  
Time:

Received By:

Phone Result:

Fax Result:

Add'l Phone #:

Add'l Fax #:

Relinquished By:

Date:

Time:

Received By:

Delivered By: (Circle One)

Sampler - UPS - Bus - Other:

Cool Intact Yes No

CHECKED BY: (Initials)



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

---

June 13, 2023

CHAD HENSLEY

TALON LPE

408 W. TEXAS AVE.

ARTESIA, NM 88210

RE: MITCHELLSWD

Enclosed are the results of analyses for samples received by the laboratory on 06/07/23 14:20.

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

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

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

Accreditation applies to public drinking water matrices.

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

Sincerely,

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

Celey D. Keene

Lab Director/Quality Manager



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

**Analytical Results For:**

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

Received: 06/07/2023  
Reported: 06/13/2023  
Project Name: MITCHELLSWD  
Project Number: 700438.307.01  
Project Location: EOG - EDDY COUNTY

Sampling Date: 06/06/2023  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Shalyn Rodriguez

**Sample ID: C - 1 4 1/2' (H232907-01)**

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	06/09/2023	ND	2.09	104	2.00	0.426	
Toluene*	<0.050	0.050	06/09/2023	ND	2.08	104	2.00	1.11	
Ethylbenzene*	<0.050	0.050	06/09/2023	ND	2.18	109	2.00	0.0263	
Total Xylenes*	<0.150	0.150	06/09/2023	ND	6.45	108	6.00	0.0931	
Total BTEX	<0.300	0.300	06/09/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 111 % 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	2200	16.0	06/08/2023	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	06/08/2023	ND	190	95.2	200	0.208	
DRO >C10-C28*	<10.0	10.0	06/08/2023	ND	177	88.6	200	1.61	
EXT DRO >C28-C36	<10.0	10.0	06/08/2023	ND					

Surrogate: 1-Chlorooctane 105 % 48.2-134

Surrogate: 1-Chlorooctadecane 119 % 49.1-148

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\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

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

Received: 06/07/2023  
Reported: 06/13/2023  
Project Name: MITCHELLSWD  
Project Number: 700438.307.01  
Project Location: EOG - EDDY COUNTY

Sampling Date: 06/06/2023  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Shalyn Rodriguez

**Sample ID: C - 2 4 1/2' (H232907-02)**

BTX 8021B			mg/kg							
			Analyzed By: JH/							
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	06/09/2023	ND	2.09	104	2.00	0.426		
Toluene*	<0.050	0.050	06/09/2023	ND	2.08	104	2.00	1.11		
Ethylbenzene*	<0.050	0.050	06/09/2023	ND	2.18	109	2.00	0.0263		
Total Xylenes*	<0.150	0.150	06/09/2023	ND	6.45	108	6.00	0.0931		
Total BTX	<0.300	0.300	06/09/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 110 % 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	2560	16.0	06/08/2023	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	06/08/2023	ND	190	95.2	200	0.208		
DRO >C10-C28*	<10.0	10.0	06/08/2023	ND	177	88.6	200	1.61		
EXT DRO >C28-C36	<10.0	10.0	06/08/2023	ND						

Surrogate: 1-Chlorooctane 91.8 % 48.2-134

Surrogate: 1-Chlorooctadecane 103 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

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

Received: 06/07/2023  
Reported: 06/13/2023  
Project Name: MITCHELLSWD  
Project Number: 700438.307.01  
Project Location: EOG - EDDY COUNTY

Sampling Date: 06/06/2023  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Shalyn Rodriguez

**Sample ID: C - 3 4 1/2' (H232907-03)**

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	06/09/2023	ND	2.09	104	2.00	0.426		
Toluene*	<0.050	0.050	06/09/2023	ND	2.08	104	2.00	1.11		
Ethylbenzene*	<0.050	0.050	06/09/2023	ND	2.18	109	2.00	0.0263		
Total Xylenes*	<0.150	0.150	06/09/2023	ND	6.45	108	6.00	0.0931		
Total BTEx	<0.300	0.300	06/09/2023	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	2280	16.0	06/08/2023	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	06/08/2023	ND	190	95.2	200	0.208	
DRO >C10-C28*	<10.0	10.0	06/08/2023	ND	177	88.6	200	1.61	
EXT DRO >C28-C36	<10.0	10.0	06/08/2023	ND					

Surrogate: 1-Chlorooctane 93.3 % 48.2-134

Surrogate: 1-Chlorooctadecane 104 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

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

Received: 06/07/2023  
Reported: 06/13/2023  
Project Name: MITCHELLSWD  
Project Number: 700438.307.01  
Project Location: EOG - EDDY COUNTY

Sampling Date: 06/06/2023  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Shalyn Rodriguez

**Sample ID: C - 4 4 1/2' (H232907-04)**

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	06/09/2023	ND	2.09	104	2.00	0.426		
Toluene*	<0.050	0.050	06/09/2023	ND	2.08	104	2.00	1.11		
Ethylbenzene*	<0.050	0.050	06/09/2023	ND	2.18	109	2.00	0.0263		
Total Xylenes*	<0.150	0.150	06/09/2023	ND	6.45	108	6.00	0.0931		
Total BTEx	<0.300	0.300	06/09/2023	ND						

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	1440	16.0	06/08/2023	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	06/08/2023	ND	190	95.2	200	0.208	
DRO >C10-C28*	<10.0	10.0	06/08/2023	ND	177	88.6	200	1.61	
EXT DRO >C28-C36	<10.0	10.0	06/08/2023	ND					

Surrogate: 1-Chlorooctane 109 % 48.2-134

Surrogate: 1-Chlorooctadecane 121 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

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

Received: 06/07/2023  
Reported: 06/13/2023  
Project Name: MITCHELLSWD  
Project Number: 700438.307.01  
Project Location: EOG - EDDY COUNTY

Sampling Date: 06/06/2023  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Shalyn Rodriguez

**Sample ID: C - 5 4 1/2' (H232907-05)**

BTX 8021B		mg/kg		Analyzed By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/09/2023	ND	2.09	104	2.00	0.426	
Toluene*	<0.050	0.050	06/09/2023	ND	2.08	104	2.00	1.11	
Ethylbenzene*	<0.050	0.050	06/09/2023	ND	2.18	109	2.00	0.0263	
Total Xylenes*	<0.150	0.150	06/09/2023	ND	6.45	108	6.00	0.0931	
Total BTX	<0.300	0.300	06/09/2023	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	1570	16.0	06/08/2023	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	06/08/2023	ND	190	95.2	200	0.208	
DRO >C10-C28*	<10.0	10.0	06/08/2023	ND	177	88.6	200	1.61	
EXT DRO >C28-C36	<10.0	10.0	06/08/2023	ND					

Surrogate: 1-Chlorooctane 93.2 % 48.2-134

Surrogate: 1-Chlorooctadecane 106 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

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

Received: 06/07/2023  
Reported: 06/13/2023  
Project Name: MITCHELLSWD  
Project Number: 700438.307.01  
Project Location: EOG - EDDY COUNTY

Sampling Date: 06/06/2023  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Shalyn Rodriguez

**Sample ID: C - 6 4 1/2' (H232907-06)**

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	06/09/2023	ND	2.09	104	2.00	0.426	
Toluene*	<0.050	0.050	06/09/2023	ND	2.08	104	2.00	1.11	
Ethylbenzene*	<0.050	0.050	06/09/2023	ND	2.18	109	2.00	0.0263	
Total Xylenes*	<0.150	0.150	06/09/2023	ND	6.45	108	6.00	0.0931	
Total BTEx	<0.300	0.300	06/09/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 111 % 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	1920	16.0	06/08/2023	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	06/08/2023	ND	190	95.2	200	0.208	
DRO >C10-C28*	21.7	10.0	06/08/2023	ND	177	88.6	200	1.61	
EXT DRO >C28-C36	11.5	10.0	06/08/2023	ND					

Surrogate: 1-Chlorooctane 88.5 % 48.2-134

Surrogate: 1-Chlorooctadecane 99.6 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

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

Received: 06/07/2023  
Reported: 06/13/2023  
Project Name: MITCHELLSWD  
Project Number: 700438.307.01  
Project Location: EOG - EDDY COUNTY

Sampling Date: 06/06/2023  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Shalyn Rodriguez

**Sample ID: C - 7 4 1/2' (H232907-07)**

BTX 8021B		mg/kg		Analyzed By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/09/2023	ND	2.09	104	2.00	0.426	
Toluene*	<0.050	0.050	06/09/2023	ND	2.08	104	2.00	1.11	
Ethylbenzene*	<0.050	0.050	06/09/2023	ND	2.18	109	2.00	0.0263	
Total Xylenes*	<0.150	0.150	06/09/2023	ND	6.45	108	6.00	0.0931	
Total BTX	<0.300	0.300	06/09/2023	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	2240	16.0	06/08/2023	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	06/12/2023	ND	201	101	200	4.85	
DRO >C10-C28*	<10.0	10.0	06/12/2023	ND	197	98.3	200	7.30	
EXT DRO >C28-C36	<10.0	10.0	06/12/2023	ND					

Surrogate: 1-Chlorooctane 105 % 48.2-134

Surrogate: 1-Chlorooctadecane 98.0 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

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

Received: 06/07/2023  
Reported: 06/13/2023  
Project Name: MITCHELLSWD  
Project Number: 700438.307.01  
Project Location: EOG - EDDY COUNTY

Sampling Date: 06/06/2023  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Shalyn Rodriguez

**Sample ID: C - 8 4 1/2' (H232907-08)**

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	06/09/2023	ND	2.09	104	2.00	0.426	
Toluene*	<0.050	0.050	06/09/2023	ND	2.08	104	2.00	1.11	
Ethylbenzene*	<0.050	0.050	06/09/2023	ND	2.18	109	2.00	0.0263	
Total Xylenes*	<0.150	0.150	06/09/2023	ND	6.45	108	6.00	0.0931	
Total BTEx	<0.300	0.300	06/09/2023	ND					

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	400	16.0	06/08/2023	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	06/08/2023	ND	201	101	200	4.85	
DRO >C10-C28*	<10.0	10.0	06/08/2023	ND	197	98.3	200	7.30	
EXT DRO >C28-C36	<10.0	10.0	06/08/2023	ND					

Surrogate: 1-Chlorooctane 64.0 % 48.2-134

Surrogate: 1-Chlorooctadecane 66.6 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

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

Received: 06/07/2023  
 Reported: 06/13/2023  
 Project Name: MITCHELLSWD  
 Project Number: 700438.307.01  
 Project Location: EOG - EDDY COUNTY

Sampling Date: 06/06/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Shalyn Rodriguez

**Sample ID: C - 9 4 1/2' (H232907-09)**

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	06/09/2023	ND	2.09	104	2.00	0.426		
Toluene*	<0.050	0.050	06/09/2023	ND	2.08	104	2.00	1.11		
Ethylbenzene*	<0.050	0.050	06/09/2023	ND	2.18	109	2.00	0.0263		
Total Xylenes*	<0.150	0.150	06/09/2023	ND	6.45	108	6.00	0.0931		
Total BTEx	<0.300	0.300	06/09/2023	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	1230	16.0	06/08/2023	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	06/08/2023	ND	201	101	200	4.85	
DRO >C10-C28*	<10.0	10.0	06/08/2023	ND	197	98.3	200	7.30	
EXT DRO >C28-C36	<10.0	10.0	06/08/2023	ND					

Surrogate: 1-Chlorooctane 65.3 % 48.2-134

Surrogate: 1-Chlorooctadecane 67.7 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

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

Received: 06/07/2023  
Reported: 06/13/2023  
Project Name: MITCHELLSWD  
Project Number: 700438.307.01  
Project Location: EOG - EDDY COUNTY

Sampling Date: 06/06/2023  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Shalyn Rodriguez

**Sample ID: C - 10 4 1/2' (H232907-10)**

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	06/09/2023	ND	2.09	104	2.00	0.426	
Toluene*	<0.050	0.050	06/09/2023	ND	2.08	104	2.00	1.11	
Ethylbenzene*	<0.050	0.050	06/09/2023	ND	2.18	109	2.00	0.0263	
Total Xylenes*	<0.150	0.150	06/09/2023	ND	6.45	108	6.00	0.0931	
Total BTEx	<0.300	0.300	06/09/2023	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	2560	16.0	06/08/2023	ND	400	100	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	06/08/2023	ND	201	101	200	4.85	
DRO >C10-C28*	<10.0	10.0	06/08/2023	ND	197	98.3	200	7.30	
EXT DRO >C28-C36	<10.0	10.0	06/08/2023	ND					

Surrogate: 1-Chlorooctane 67.1 % 48.2-134

Surrogate: 1-Chlorooctadecane 69.6 % 49.1-148

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\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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

**Analytical Results For:**

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

Received: 06/07/2023  
Reported: 06/13/2023  
Project Name: MITCHELLSWD  
Project Number: 700438.307.01  
Project Location: EOG - EDDY COUNTY

Sampling Date: 06/06/2023  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Shalyn Rodriguez

**Sample ID: C - 11 4 1/2' (H232907-11)**

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	06/09/2023	ND	2.09	104	2.00	0.426	
Toluene*	<0.050	0.050	06/09/2023	ND	2.08	104	2.00	1.11	
Ethylbenzene*	<0.050	0.050	06/09/2023	ND	2.18	109	2.00	0.0263	
Total Xylenes*	<0.150	0.150	06/09/2023	ND	6.45	108	6.00	0.0931	
Total BTEx	<0.300	0.300	06/09/2023	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	1960	16.0	06/08/2023	ND	400	100	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	06/08/2023	ND	201	101	200	4.85	
DRO >C10-C28*	<10.0	10.0	06/08/2023	ND	197	98.3	200	7.30	
EXT DRO >C28-C36	<10.0	10.0	06/08/2023	ND					

Surrogate: 1-Chlorooctane 51.0 % 48.2-134

Surrogate: 1-Chlorooctadecane 53.7 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

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

Received: 06/07/2023  
Reported: 06/13/2023  
Project Name: MITCHELLSWD  
Project Number: 700438.307.01  
Project Location: EOG - EDDY COUNTY

Sampling Date: 06/06/2023  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Shalyn Rodriguez

**Sample ID: C - 12 4 1/2' (H232907-12)**

BTX 8021B		mg/kg		Analyzed By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/09/2023	ND	2.09	104	2.00	0.426	
Toluene*	<0.050	0.050	06/09/2023	ND	2.08	104	2.00	1.11	
Ethylbenzene*	<0.050	0.050	06/09/2023	ND	2.18	109	2.00	0.0263	
Total Xylenes*	<0.150	0.150	06/09/2023	ND	6.45	108	6.00	0.0931	
Total BTX	<0.300	0.300	06/09/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 111 % 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	3760	16.0	06/08/2023	ND	400	100	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	06/08/2023	ND	201	101	200	4.85	
DRO >C10-C28*	47.8	10.0	06/08/2023	ND	197	98.3	200	7.30	
EXT DRO >C28-C36	48.4	10.0	06/08/2023	ND					

Surrogate: 1-Chlorooctane 62.1 % 48.2-134

Surrogate: 1-Chlorooctadecane 66.8 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

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

Received: 06/07/2023  
Reported: 06/13/2023  
Project Name: MITCHELLSWD  
Project Number: 700438.307.01  
Project Location: EOG - EDDY COUNTY

Sampling Date: 06/06/2023  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Shalyn Rodriguez

**Sample ID: C - 13 4 1/2' (H232907-13)**

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	06/09/2023	ND	2.02	101	2.00	2.21		
Toluene*	<0.050	0.050	06/09/2023	ND	2.06	103	2.00	1.87		
Ethylbenzene*	<0.050	0.050	06/09/2023	ND	2.14	107	2.00	1.00		
Total Xylenes*	<0.150	0.150	06/09/2023	ND	6.33	105	6.00	0.0478		
Total BTEx	<0.300	0.300	06/09/2023	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	736	16.0	06/08/2023	ND	400	100	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	06/08/2023	ND	201	101	200	4.85	
DRO >C10-C28*	<10.0	10.0	06/08/2023	ND	197	98.3	200	7.30	
EXT DRO >C28-C36	<10.0	10.0	06/08/2023	ND					

Surrogate: 1-Chlorooctane 55.2 % 48.2-134

Surrogate: 1-Chlorooctadecane 57.4 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

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

Received: 06/07/2023  
Reported: 06/13/2023  
Project Name: MITCHELLSWD  
Project Number: 700438.307.01  
Project Location: EOG - EDDY COUNTY

Sampling Date: 06/06/2023  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Shalyn Rodriguez

**Sample ID: C - 14 4 1/2' (H232907-14)**

BTX 8021B			mg/kg							
			Analyzed By: JH/							
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	06/09/2023	ND	2.02	101	2.00	2.21		
Toluene*	<0.050	0.050	06/09/2023	ND	2.06	103	2.00	1.87		
Ethylbenzene*	<0.050	0.050	06/09/2023	ND	2.14	107	2.00	1.00		
Total Xylenes*	<0.150	0.150	06/09/2023	ND	6.33	105	6.00	0.0478		
Total BTX	<0.300	0.300	06/09/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 111 % 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	6160	16.0	06/08/2023	ND	400	100	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	06/09/2023	ND	201	101	200	4.85		
DRO >C10-C28*	28.2	10.0	06/09/2023	ND	197	98.3	200	7.30		
EXT DRO >C28-C36	10.6	10.0	06/09/2023	ND						

Surrogate: 1-Chlorooctane 89.4 % 48.2-134

Surrogate: 1-Chlorooctadecane 92.6 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

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

Received: 06/07/2023  
Reported: 06/13/2023  
Project Name: MITCHELLSWD  
Project Number: 700438.307.01  
Project Location: EOG - EDDY COUNTY

Sampling Date: 06/06/2023  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Shalyn Rodriguez

**Sample ID: C - 15 4 1/2' (H232907-15)**

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	06/09/2023	ND	2.02	101	2.00	2.21	
Toluene*	<0.050	0.050	06/09/2023	ND	2.06	103	2.00	1.87	
Ethylbenzene*	<0.050	0.050	06/09/2023	ND	2.14	107	2.00	1.00	
Total Xylenes*	<0.150	0.150	06/09/2023	ND	6.33	105	6.00	0.0478	
Total BTEx	<0.300	0.300	06/09/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 110 % 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	1490	16.0	06/08/2023	ND	400	100	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	06/08/2023	ND	201	101	200	4.85	
DRO >C10-C28*	130	10.0	06/08/2023	ND	197	98.3	200	7.30	
EXT DRO >C28-C36	42.6	10.0	06/08/2023	ND					

Surrogate: 1-Chlorooctane 49.1 % 48.2-134

Surrogate: 1-Chlorooctadecane 58.4 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

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

Received: 06/07/2023  
Reported: 06/13/2023  
Project Name: MITCHELLSWD  
Project Number: 700438.307.01  
Project Location: EOG - EDDY COUNTY

Sampling Date: 06/06/2023  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Shalyn Rodriguez

**Sample ID: C - 16 4 1/2' (H232907-16)**

BTX 8021B		mg/kg		Analyzed By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/09/2023	ND	2.02	101	2.00	2.21	
Toluene*	<0.050	0.050	06/09/2023	ND	2.06	103	2.00	1.87	
Ethylbenzene*	<0.050	0.050	06/09/2023	ND	2.14	107	2.00	1.00	
Total Xylenes*	<0.150	0.150	06/09/2023	ND	6.33	105	6.00	0.0478	
Total BTX	<0.300	0.300	06/09/2023	ND					

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	3840	16.0	06/08/2023	ND	400	100	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	06/09/2023	ND	201	101	200	4.85	
DRO >C10-C28*	341	10.0	06/09/2023	ND	197	98.3	200	7.30	
EXT DRO >C28-C36	122	10.0	06/09/2023	ND					

Surrogate: 1-Chlorooctane 90.9 % 48.2-134

Surrogate: 1-Chlorooctadecane 114 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

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

Received: 06/07/2023  
Reported: 06/13/2023  
Project Name: MITCHELLSWD  
Project Number: 700438.307.01  
Project Location: EOG - EDDY COUNTY

Sampling Date: 06/06/2023  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Shalyn Rodriguez

**Sample ID: C - 17 4 1/2' (H232907-17)**

BTX 8021B		mg/kg		Analyzed By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/09/2023	ND	2.02	101	2.00	2.21	
Toluene*	<0.050	0.050	06/09/2023	ND	2.06	103	2.00	1.87	
Ethylbenzene*	<0.050	0.050	06/09/2023	ND	2.14	107	2.00	1.00	
Total Xylenes*	<0.150	0.150	06/09/2023	ND	6.33	105	6.00	0.0478	
Total BTX	<0.300	0.300	06/09/2023	ND					

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	6160	16.0	06/08/2023	ND	400	100	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	06/08/2023	ND	201	101	200	4.85	
DRO >C10-C28*	336	10.0	06/08/2023	ND	197	98.3	200	7.30	
EXT DRO >C28-C36	124	10.0	06/08/2023	ND					

Surrogate: 1-Chlorooctane 60.7 % 48.2-134

Surrogate: 1-Chlorooctadecane 81.6 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

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

Received: 06/07/2023  
Reported: 06/13/2023  
Project Name: MITCHELLSWD  
Project Number: 700438.307.01  
Project Location: EOG - EDDY COUNTY

Sampling Date: 06/06/2023  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Shalyn Rodriguez

**Sample ID: C - 18 4 1/2' (H232907-18)**

BTX 8021B		mg/kg		Analyzed By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/09/2023	ND	2.02	101	2.00	2.21	
Toluene*	<0.050	0.050	06/09/2023	ND	2.06	103	2.00	1.87	
Ethylbenzene*	<0.050	0.050	06/09/2023	ND	2.14	107	2.00	1.00	
Total Xylenes*	<0.150	0.150	06/09/2023	ND	6.33	105	6.00	0.0478	
Total BTX	<0.300	0.300	06/09/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 109 % 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	7600	16.0	06/08/2023	ND	400	100	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	06/08/2023	ND	201	101	200	4.85	
DRO >C10-C28*	67.2	10.0	06/08/2023	ND	197	98.3	200	7.30	
EXT DRO >C28-C36	18.9	10.0	06/08/2023	ND					

Surrogate: 1-Chlorooctane 48.8 % 48.2-134

Surrogate: 1-Chlorooctadecane 52.9 % 49.1-148

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\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

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

Received: 06/07/2023  
Reported: 06/13/2023  
Project Name: MITCHELLSWD  
Project Number: 700438.307.01  
Project Location: EOG - EDDY COUNTY

Sampling Date: 06/06/2023  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Shalyn Rodriguez

**Sample ID: C - 19 4 1/2' (H232907-19)**

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	06/09/2023	ND	2.02	101	2.00	2.21		
Toluene*	<0.050	0.050	06/09/2023	ND	2.06	103	2.00	1.87		
Ethylbenzene*	<0.050	0.050	06/09/2023	ND	2.14	107	2.00	1.00		
Total Xylenes*	<0.150	0.150	06/09/2023	ND	6.33	105	6.00	0.0478		
Total BTEx	<0.300	0.300	06/09/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 109 % 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	1720	16.0	06/08/2023	ND	400	100	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	06/08/2023	ND	201	101	200	4.85	
DRO >C10-C28*	<10.0	10.0	06/08/2023	ND	197	98.3	200	7.30	
EXT DRO >C28-C36	<10.0	10.0	06/08/2023	ND					

Surrogate: 1-Chlorooctane 60.3 % 48.2-134

Surrogate: 1-Chlorooctadecane 63.4 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

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

Received: 06/07/2023  
Reported: 06/13/2023  
Project Name: MITCHELLSWD  
Project Number: 700438.307.01  
Project Location: EOG - EDDY COUNTY

Sampling Date: 06/06/2023  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Shalyn Rodriguez

**Sample ID: C - 20 4 1/2' (H232907-20)**

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	06/09/2023	ND	2.02	101	2.00	2.21		
Toluene*	<0.050	0.050	06/09/2023	ND	2.06	103	2.00	1.87		
Ethylbenzene*	<0.050	0.050	06/09/2023	ND	2.14	107	2.00	1.00		
Total Xylenes*	<0.150	0.150	06/09/2023	ND	6.33	105	6.00	0.0478		
Total BTEx	<0.300	0.300	06/09/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 108 % 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	1800	16.0	06/08/2023	ND	400	100	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	06/08/2023	ND	201	101	200	4.85	
DRO >C10-C28*	<10.0	10.0	06/08/2023	ND	197	98.3	200	7.30	
EXT DRO >C28-C36	<10.0	10.0	06/08/2023	ND					

Surrogate: 1-Chlorooctane 50.2 % 48.2-134

Surrogate: 1-Chlorooctadecane 52.6 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

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

Received: 06/07/2023  
Reported: 06/13/2023  
Project Name: MITCHELLSWD  
Project Number: 700438.307.01  
Project Location: EOG - EDDY COUNTY

Sampling Date: 06/06/2023  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Shalyn Rodriguez

**Sample ID: C - 21 4 1/2' (H232907-21)**

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	06/09/2023	ND	2.02	101	2.00	2.21		
Toluene*	<0.050	0.050	06/09/2023	ND	2.06	103	2.00	1.87		
Ethylbenzene*	<0.050	0.050	06/09/2023	ND	2.14	107	2.00	1.00		
Total Xylenes*	<0.150	0.150	06/09/2023	ND	6.33	105	6.00	0.0478		
Total BTEx	<0.300	0.300	06/09/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 111 % 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	4440	16.0	06/08/2023	ND	400	100	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	06/08/2023	ND	201	101	200	4.85	
DRO >C10-C28*	907	10.0	06/08/2023	ND	197	98.3	200	7.30	
EXT DRO >C28-C36	333	10.0	06/08/2023	ND					

Surrogate: 1-Chlorooctane 69.4 % 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  
CHAD HENSLEY  
408 W. TEXAS AVE.  
ARTESIA NM, 88210  
Fax To: (575) 745-8905

Received: 06/07/2023  
Reported: 06/13/2023  
Project Name: MITCHELLSWD  
Project Number: 700438.307.01  
Project Location: EOG - EDDY COUNTY

Sampling Date: 06/06/2023  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Shalyn Rodriguez

**Sample ID: C - 22 4 1/2' (H232907-22)**

BTX 8021B		mg/kg		Analyzed By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/09/2023	ND	2.02	101	2.00	2.21	
Toluene*	<0.050	0.050	06/09/2023	ND	2.06	103	2.00	1.87	
Ethylbenzene*	<0.050	0.050	06/09/2023	ND	2.14	107	2.00	1.00	
Total Xylenes*	<0.150	0.150	06/09/2023	ND	6.33	105	6.00	0.0478	
Total BTX	<0.300	0.300	06/09/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 109 % 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	3160	16.0	06/08/2023	ND	400	100	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	06/08/2023	ND	201	101	200	4.85	
DRO >C10-C28*	138	10.0	06/08/2023	ND	197	98.3	200	7.30	
EXT DRO >C28-C36	42.9	10.0	06/08/2023	ND					

Surrogate: 1-Chlorooctane 53.1 % 48.2-134

Surrogate: 1-Chlorooctadecane 63.3 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

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

Received: 06/07/2023  
Reported: 06/13/2023  
Project Name: MITCHELLSWD  
Project Number: 700438.307.01  
Project Location: EOG - EDDY COUNTY

Sampling Date: 06/06/2023  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Shalyn Rodriguez

**Sample ID: C - 23 4 1/2' (H232907-23)**

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	06/09/2023	ND	2.02	101	2.00	2.21	
Toluene*	<0.050	0.050	06/09/2023	ND	2.06	103	2.00	1.87	
Ethylbenzene*	<0.050	0.050	06/09/2023	ND	2.14	107	2.00	1.00	
Total Xylenes*	<0.150	0.150	06/09/2023	ND	6.33	105	6.00	0.0478	
Total BTEx	<0.300	0.300	06/09/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 109 % 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	5120	16.0	06/08/2023	ND	400	100	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	06/08/2023	ND	201	101	200	4.85	
DRO >C10-C28*	333	10.0	06/08/2023	ND	197	98.3	200	7.30	
EXT DRO >C28-C36	109	10.0	06/08/2023	ND					

Surrogate: 1-Chlorooctane 54.0 % 48.2-134

Surrogate: 1-Chlorooctadecane 68.8 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

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

Received: 06/07/2023  
Reported: 06/13/2023  
Project Name: MITCHELLSWD  
Project Number: 700438.307.01  
Project Location: EOG - EDDY COUNTY

Sampling Date: 06/06/2023  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Shalyn Rodriguez

**Sample ID: C - 24 4 1/2' (H232907-24)**

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	06/09/2023	ND	2.02	101	2.00	2.21	
Toluene*	<0.050	0.050	06/09/2023	ND	2.06	103	2.00	1.87	
Ethylbenzene*	<0.050	0.050	06/09/2023	ND	2.14	107	2.00	1.00	
Total Xylenes*	<0.150	0.150	06/09/2023	ND	6.33	105	6.00	0.0478	
Total BTEx	<0.300	0.300	06/09/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 110 % 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	4960	16.0	06/08/2023	ND	400	100	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	06/08/2023	ND	201	101	200	4.85	
DRO >C10-C28*	389	10.0	06/08/2023	ND	197	98.3	200	7.30	
EXT DRO >C28-C36	159	10.0	06/08/2023	ND					

Surrogate: 1-Chlorooctane 53.5 % 48.2-134

Surrogate: 1-Chlorooctadecane 76.9 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

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

Received: 06/07/2023  
Reported: 06/13/2023  
Project Name: MITCHELLSWD  
Project Number: 700438.307.01  
Project Location: EOG - EDDY COUNTY

Sampling Date: 06/06/2023  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Shalyn Rodriguez

**Sample ID: C - 25 4 1/2' (H232907-25)**

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	06/09/2023	ND	2.02	101	2.00	2.21	
Toluene*	<0.050	0.050	06/09/2023	ND	2.06	103	2.00	1.87	
Ethylbenzene*	<0.050	0.050	06/09/2023	ND	2.14	107	2.00	1.00	
Total Xylenes*	<0.150	0.150	06/09/2023	ND	6.33	105	6.00	0.0478	
Total BTEx	<0.300	0.300	06/09/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 109 % 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	6720	16.0	06/08/2023	ND	400	100	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	06/08/2023	ND	201	101	200	4.85	
DRO >C10-C28*	123	10.0	06/08/2023	ND	197	98.3	200	7.30	
EXT DRO >C28-C36	41.8	10.0	06/08/2023	ND					

Surrogate: 1-Chlorooctane 63.3 % 48.2-134

Surrogate: 1-Chlorooctadecane 70.5 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

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

Received: 06/07/2023  
Reported: 06/13/2023  
Project Name: MITCHELLSWD  
Project Number: 700438.307.01  
Project Location: EOG - EDDY COUNTY

Sampling Date: 06/06/2023  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Shalyn Rodriguez

**Sample ID: C - 26 4 1/2' (H232907-26)**

BTX 8021B		mg/kg		Analyzed By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/09/2023	ND	2.02	101	2.00	2.21	
Toluene*	<0.050	0.050	06/09/2023	ND	2.06	103	2.00	1.87	
Ethylbenzene*	<0.050	0.050	06/09/2023	ND	2.14	107	2.00	1.00	
Total Xylenes*	<0.150	0.150	06/09/2023	ND	6.33	105	6.00	0.0478	
Total BTX	<0.300	0.300	06/09/2023	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	3280	16.0	06/08/2023	ND	400	100	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	06/08/2023	ND	201	101	200	4.85	
DRO >C10-C28*	107	10.0	06/08/2023	ND	197	98.3	200	7.30	
EXT DRO >C28-C36	49.6	10.0	06/08/2023	ND					

Surrogate: 1-Chlorooctane 48.5 % 48.2-134

Surrogate: 1-Chlorooctadecane 55.6 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

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

Received: 06/07/2023  
Reported: 06/13/2023  
Project Name: MITCHELLSWD  
Project Number: 700438.307.01  
Project Location: EOG - EDDY COUNTY

Sampling Date: 06/06/2023  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Shalyn Rodriguez

**Sample ID: C - 31 4 1/2' (H232907-27)**

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	06/09/2023	ND	2.02	101	2.00	2.21		
Toluene*	<0.050	0.050	06/09/2023	ND	2.06	103	2.00	1.87		
Ethylbenzene*	<0.050	0.050	06/09/2023	ND	2.14	107	2.00	1.00		
Total Xylenes*	<0.150	0.150	06/09/2023	ND	6.33	105	6.00	0.0478		
Total BTEx	<0.300	0.300	06/09/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 108 % 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	8240	16.0	06/08/2023	ND	400	100	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	06/08/2023	ND	182	91.1	200	8.88	
DRO >C10-C28*	169	10.0	06/08/2023	ND	184	92.2	200	7.38	QM-07
EXT DRO >C28-C36	34.2	10.0	06/08/2023	ND					

Surrogate: 1-Chlorooctane 97.6 % 48.2-134

Surrogate: 1-Chlorooctadecane 116 % 49.1-148

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\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

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

Received: 06/07/2023  
Reported: 06/13/2023  
Project Name: MITCHELLSWD  
Project Number: 700438.307.01  
Project Location: EOG - EDDY COUNTY

Sampling Date: 06/06/2023  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Shalyn Rodriguez

**Sample ID: C - 32 4 1/2' (H232907-28)**

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	06/09/2023	ND	2.02	101	2.00	2.21		
Toluene*	<0.050	0.050	06/09/2023	ND	2.06	103	2.00	1.87		
Ethylbenzene*	<0.050	0.050	06/09/2023	ND	2.14	107	2.00	1.00		
Total Xylenes*	<0.150	0.150	06/09/2023	ND	6.33	105	6.00	0.0478		
Total BTEx	<0.300	0.300	06/09/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 110 % 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	5280	16.0	06/08/2023	ND	400	100	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	06/08/2023	ND	182	91.1	200	8.88	
DRO >C10-C28*	1170	10.0	06/08/2023	ND	184	92.2	200	7.38	
EXT DRO >C28-C36	328	10.0	06/08/2023	ND					

Surrogate: 1-Chlorooctane 92.7 % 48.2-134

Surrogate: 1-Chlorooctadecane 122 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

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

Received: 06/07/2023  
Reported: 06/13/2023  
Project Name: MITCHELLSWD  
Project Number: 700438.307.01  
Project Location: EOG - EDDY COUNTY

Sampling Date: 06/06/2023  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Shalyn Rodriguez

**Sample ID: C - 37 4 1/2' (H232907-29)**

BTX 8021B			mg/kg							
			Analyzed By: JH/							
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	06/09/2023	ND	2.02	101	2.00	2.21		
Toluene*	<0.050	0.050	06/09/2023	ND	2.06	103	2.00	1.87		
Ethylbenzene*	<0.050	0.050	06/09/2023	ND	2.14	107	2.00	1.00		
Total Xylenes*	<0.150	0.150	06/09/2023	ND	6.33	105	6.00	0.0478		
Total BTX	<0.300	0.300	06/09/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 107 % 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	4080	16.0	06/08/2023	ND	400	100	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	06/08/2023	ND	182	91.1	200	8.88		
DRO >C10-C28*	87.2	10.0	06/08/2023	ND	184	92.2	200	7.38		
EXT DRO >C28-C36	20.6	10.0	06/08/2023	ND						

Surrogate: 1-Chlorooctane 93.5 % 48.2-134

Surrogate: 1-Chlorooctadecane 112 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

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

Received: 06/07/2023  
Reported: 06/13/2023  
Project Name: MITCHELLSWD  
Project Number: 700438.307.01  
Project Location: EOG - EDDY COUNTY

Sampling Date: 06/06/2023  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Shalyn Rodriguez

**Sample ID: C - 42 4 1/2' (H232907-30)**

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	06/09/2023	ND	2.02	101	2.00	2.21		
Toluene*	<0.050	0.050	06/09/2023	ND	2.06	103	2.00	1.87		
Ethylbenzene*	<0.050	0.050	06/09/2023	ND	2.14	107	2.00	1.00		
Total Xylenes*	<0.150	0.150	06/09/2023	ND	6.33	105	6.00	0.0478		
Total BTEx	<0.300	0.300	06/09/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 108 % 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	2680	16.0	06/08/2023	ND	416	104	400	3.77	QM-07	

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	06/08/2023	ND	182	91.1	200	8.88	
DRO >C10-C28*	179	10.0	06/08/2023	ND	184	92.2	200	7.38	
EXT DRO >C28-C36	74.4	10.0	06/08/2023	ND					

Surrogate: 1-Chlorooctane 82.0 % 48.2-134

Surrogate: 1-Chlorooctadecane 96.7 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

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

Received: 06/07/2023  
Reported: 06/13/2023  
Project Name: MITCHELLSWD  
Project Number: 700438.307.01  
Project Location: EOG - EDDY COUNTY

Sampling Date: 06/06/2023  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Shalyn Rodriguez

**Sample ID: C - 38 4 1/2' (H232907-31)**

BTX 8021B		mg/kg		Analyzed By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/09/2023	ND	2.02	101	2.00	2.21	
Toluene*	<0.050	0.050	06/09/2023	ND	2.06	103	2.00	1.87	
Ethylbenzene*	<0.050	0.050	06/09/2023	ND	2.14	107	2.00	1.00	
Total Xylenes*	<0.150	0.150	06/09/2023	ND	6.33	105	6.00	0.0478	
Total BTX	<0.300	0.300	06/09/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 108 % 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	9860	16.0	06/08/2023	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	06/08/2023	ND	182	91.1	200	8.88	
DRO >C10-C28*	23.8	10.0	06/08/2023	ND	184	92.2	200	7.38	
EXT DRO >C28-C36	<10.0	10.0	06/08/2023	ND					

Surrogate: 1-Chlorooctane 77.3 % 48.2-134

Surrogate: 1-Chlorooctadecane 86.6 % 49.1-148

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**Analytical Results For:**

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

Received: 06/07/2023  
Reported: 06/13/2023  
Project Name: MITCHELLSWD  
Project Number: 700438.307.01  
Project Location: EOG - EDDY COUNTY

Sampling Date: 06/06/2023  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Shalyn Rodriguez

**Sample ID: C - 39 4 1/2' (H232907-32)**

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	06/09/2023	ND	2.02	101	2.00	2.21		
Toluene*	<0.050	0.050	06/09/2023	ND	2.06	103	2.00	1.87		
Ethylbenzene*	<0.050	0.050	06/09/2023	ND	2.14	107	2.00	1.00		
Total Xylenes*	<0.150	0.150	06/09/2023	ND	6.33	105	6.00	0.0478		
Total BTEx	<0.300	0.300	06/09/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 109 % 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	4640	16.0	06/08/2023	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	06/08/2023	ND	182	91.1	200	8.88	
DRO >C10-C28*	437	10.0	06/08/2023	ND	184	92.2	200	7.38	
EXT DRO >C28-C36	200	10.0	06/08/2023	ND					

Surrogate: 1-Chlorooctane 97.0 % 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  
CHAD HENSLEY  
408 W. TEXAS AVE.  
ARTESIA NM, 88210  
Fax To: (575) 745-8905

Received: 06/07/2023  
Reported: 06/13/2023  
Project Name: MITCHELLSWD  
Project Number: 700438.307.01  
Project Location: EOG - EDDY COUNTY

Sampling Date: 06/06/2023  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Shalyn Rodriguez

**Sample ID: C - 40 4 1/2' (H232907-33)**

BTX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/12/2023	ND	2.32	116	2.00	4.27	QR-03
Toluene*	<0.050	0.050	06/12/2023	ND	2.19	109	2.00	2.49	QR-03
Ethylbenzene*	<b>0.088</b>	0.050	06/12/2023	ND	2.20	110	2.00	1.81	VC1, QM-07, Q
Total Xylenes*	<b>0.701</b>	0.150	06/12/2023	ND	6.55	109	6.00	1.90	VC1, QM-07, Q
Total BTX	<b>0.789</b>	0.300	06/12/2023	ND					GC-NC1

Surrogate: 4-Bromofluorobenzene (PID) 126 % 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	<b>4880</b>	16.0	06/08/2023	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*	<100	100	06/09/2023	ND	182	91.1	200	8.88	
DRO >C10-C28*	<b>8480</b>	100	06/09/2023	ND	184	92.2	200	7.38	
EXT DRO >C28-C36	<b>3330</b>	100	06/09/2023	ND					

Surrogate: 1-Chlorooctane 86.8 % 48.2-134

Surrogate: 1-Chlorooctadecane 212 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

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

Received: 06/07/2023  
Reported: 06/13/2023  
Project Name: MITCHELLSWD  
Project Number: 700438.307.01  
Project Location: EOG - EDDY COUNTY

Sampling Date: 06/06/2023  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Shalyn Rodriguez

**Sample ID: C - 41 4 1/2' (H232907-34)**

BTEx 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/09/2023	ND	2.32	116	2.00	4.27	
Toluene*	<0.050	0.050	06/09/2023	ND	2.19	109	2.00	2.49	
Ethylbenzene*	<0.050	0.050	06/09/2023	ND	2.20	110	2.00	1.81	
Total Xylenes*	<0.150	0.150	06/09/2023	ND	6.55	109	6.00	1.90	
Total BTEx	<0.300	0.300	06/09/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 96.9 % 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	4080	16.0	06/08/2023	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	06/08/2023	ND	182	91.1	200	8.88	
DRO >C10-C28*	301	10.0	06/08/2023	ND	184	92.2	200	7.38	
EXT DRO >C28-C36	117	10.0	06/08/2023	ND					

Surrogate: 1-Chlorooctane 77.1 % 48.2-134

Surrogate: 1-Chlorooctadecane 93.9 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

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

Received: 06/07/2023  
Reported: 06/13/2023  
Project Name: MITCHELLSWD  
Project Number: 700438.307.01  
Project Location: EOG - EDDY COUNTY

Sampling Date: 06/06/2023  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Shalyn Rodriguez

**Sample ID: C - 43 4 1/2' (H232907-35)**

BTEx 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/09/2023	ND	2.32	116	2.00	4.27	
Toluene*	<0.050	0.050	06/09/2023	ND	2.19	109	2.00	2.49	
Ethylbenzene*	<0.050	0.050	06/09/2023	ND	2.20	110	2.00	1.81	
Total Xylenes*	<0.150	0.150	06/09/2023	ND	6.55	109	6.00	1.90	
Total BTEx	<0.300	0.300	06/09/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 101 % 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	4960	16.0	06/08/2023	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	06/08/2023	ND	182	91.1	200	8.88	
DRO >C10-C28*	446	10.0	06/08/2023	ND	184	92.2	200	7.38	
EXT DRO >C28-C36	205	10.0	06/08/2023	ND					

Surrogate: 1-Chlorooctane 88.9 % 48.2-134

Surrogate: 1-Chlorooctadecane 103 % 49.1-148

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\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

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

Received: 06/07/2023  
Reported: 06/13/2023  
Project Name: MITCHELLSWD  
Project Number: 700438.307.01  
Project Location: EOG - EDDY COUNTY

Sampling Date: 06/06/2023  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Shalyn Rodriguez

**Sample ID: C - 44 4 1/2' (H232907-36)**

BTEx 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/09/2023	ND	2.32	116	2.00	4.27	
Toluene*	<0.050	0.050	06/09/2023	ND	2.19	109	2.00	2.49	
Ethylbenzene*	<0.050	0.050	06/09/2023	ND	2.20	110	2.00	1.81	
Total Xylenes*	<0.150	0.150	06/09/2023	ND	6.55	109	6.00	1.90	
Total BTEX	<0.300	0.300	06/09/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 96.9 % 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	6240	16.0	06/08/2023	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	06/08/2023	ND	182	91.1	200	8.88	
DRO >C10-C28*	<10.0	10.0	06/08/2023	ND	184	92.2	200	7.38	
EXT DRO >C28-C36	<10.0	10.0	06/08/2023	ND					

Surrogate: 1-Chlorooctane 88.1 % 48.2-134

Surrogate: 1-Chlorooctadecane 103 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

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

Received: 06/07/2023  
Reported: 06/13/2023  
Project Name: MITCHELLSWD  
Project Number: 700438.307.01  
Project Location: EOG - EDDY COUNTY

Sampling Date: 06/06/2023  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Shalyn Rodriguez

**Sample ID: C - 45 4 1/2' (H232907-37)**

BTEx 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/09/2023	ND	2.32	116	2.00	4.27	
Toluene*	<0.050	0.050	06/09/2023	ND	2.19	109	2.00	2.49	
Ethylbenzene*	<0.050	0.050	06/09/2023	ND	2.20	110	2.00	1.81	
Total Xylenes*	<0.150	0.150	06/09/2023	ND	6.55	109	6.00	1.90	
Total BTEx	<0.300	0.300	06/09/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 98.5 % 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	32400	16.0	06/08/2023	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	06/08/2023	ND	182	91.1	200	8.88	
DRO >C10-C28*	349	10.0	06/08/2023	ND	184	92.2	200	7.38	
EXT DRO >C28-C36	142	10.0	06/08/2023	ND					

Surrogate: 1-Chlorooctane 111 % 48.2-134

Surrogate: 1-Chlorooctadecane 140 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

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

Received: 06/07/2023  
Reported: 06/13/2023  
Project Name: MITCHELLSWD  
Project Number: 700438.307.01  
Project Location: EOG - EDDY COUNTY

Sampling Date: 06/06/2023  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Shalyn Rodriguez

**Sample ID: C - 46 4 1/2' (H232907-38)**

BTEx 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/09/2023	ND	2.32	116	2.00	4.27	
Toluene*	<0.050	0.050	06/09/2023	ND	2.19	109	2.00	2.49	
Ethylbenzene*	<0.050	0.050	06/09/2023	ND	2.20	110	2.00	1.81	
Total Xylenes*	<0.150	0.150	06/09/2023	ND	6.55	109	6.00	1.90	
Total BTEx	<0.300	0.300	06/09/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 102 % 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	14000	16.0	06/08/2023	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	06/08/2023	ND	182	91.1	200	8.88	
DRO >C10-C28*	<10.0	10.0	06/08/2023	ND	184	92.2	200	7.38	
EXT DRO >C28-C36	<10.0	10.0	06/08/2023	ND					

Surrogate: 1-Chlorooctane 101 % 48.2-134

Surrogate: 1-Chlorooctadecane 111 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

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

Received: 06/07/2023  
Reported: 06/13/2023  
Project Name: MITCHELLSWD  
Project Number: 700438.307.01  
Project Location: EOG - EDDY COUNTY

Sampling Date: 06/06/2023  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Shalyn Rodriguez

**Sample ID: C - 47 4 1/2' (H232907-39)**

BTEx 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/09/2023	ND	2.32	116	2.00	4.27	
Toluene*	<0.050	0.050	06/09/2023	ND	2.19	109	2.00	2.49	
Ethylbenzene*	<0.050	0.050	06/09/2023	ND	2.20	110	2.00	1.81	
Total Xylenes*	<0.150	0.150	06/09/2023	ND	6.55	109	6.00	1.90	
Total BTEx	<0.300	0.300	06/09/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 98.0 % 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	5760	16.0	06/08/2023	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	06/08/2023	ND	182	91.1	200	8.88	
DRO >C10-C28*	15.9	10.0	06/08/2023	ND	184	92.2	200	7.38	
EXT DRO >C28-C36	<10.0	10.0	06/08/2023	ND					

Surrogate: 1-Chlorooctane 67.8 % 48.2-134

Surrogate: 1-Chlorooctadecane 73.9 % 49.1-148

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**Analytical Results For:**

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

Received: 06/07/2023  
Reported: 06/13/2023  
Project Name: MITCHELLSWD  
Project Number: 700438.307.01  
Project Location: EOG - EDDY COUNTY

Sampling Date: 06/06/2023  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Shalyn Rodriguez

**Sample ID: C - 48 4 1/2' (H232907-40)**

BTEx 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/09/2023	ND	2.32	116	2.00	4.27	
Toluene*	<0.050	0.050	06/09/2023	ND	2.19	109	2.00	2.49	
Ethylbenzene*	<0.050	0.050	06/09/2023	ND	2.20	110	2.00	1.81	
Total Xylenes*	<0.150	0.150	06/09/2023	ND	6.55	109	6.00	1.90	
Total BTEx	<0.300	0.300	06/09/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 99.4 % 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	4320	16.0	06/08/2023	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	06/08/2023	ND	182	91.1	200	8.88	
DRO >C10-C28*	149	10.0	06/08/2023	ND	184	92.2	200	7.38	
EXT DRO >C28-C36	52.7	10.0	06/08/2023	ND					

Surrogate: 1-Chlorooctane 110 % 48.2-134

Surrogate: 1-Chlorooctadecane 128 % 49.1-148

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**Analytical Results For:**

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

Received: 06/07/2023  
Reported: 06/13/2023  
Project Name: MITCHELLSWD  
Project Number: 700438.307.01  
Project Location: EOG - EDDY COUNTY

Sampling Date: 06/06/2023  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Shalyn Rodriguez

**Sample ID: C - 49 4 1/2' (H232907-41)**

BTEx 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/09/2023	ND	2.32	116	2.00	4.27	
Toluene*	<0.050	0.050	06/09/2023	ND	2.19	109	2.00	2.49	
Ethylbenzene*	<0.050	0.050	06/09/2023	ND	2.20	110	2.00	1.81	
Total Xylenes*	<0.150	0.150	06/09/2023	ND	6.55	109	6.00	1.90	
Total BTEx	<0.300	0.300	06/09/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 97.4 % 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	2040	16.0	06/08/2023	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	06/08/2023	ND	182	91.1	200	8.88	
DRO >C10-C28*	<10.0	10.0	06/08/2023	ND	184	92.2	200	7.38	
EXT DRO >C28-C36	<10.0	10.0	06/08/2023	ND					

Surrogate: 1-Chlorooctane 86.1 % 48.2-134

Surrogate: 1-Chlorooctadecane 92.6 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

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

Received: 06/07/2023  
Reported: 06/13/2023  
Project Name: MITCHELLSWD  
Project Number: 700438.307.01  
Project Location: EOG - EDDY COUNTY

Sampling Date: 06/06/2023  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Shalyn Rodriguez

**Sample ID: C - 50 4 1/2' (H232907-42)**

BTEx 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/09/2023	ND	2.32	116	2.00	4.27	
Toluene*	<0.050	0.050	06/09/2023	ND	2.19	109	2.00	2.49	
Ethylbenzene*	<0.050	0.050	06/09/2023	ND	2.20	110	2.00	1.81	
Total Xylenes*	<0.150	0.150	06/09/2023	ND	6.55	109	6.00	1.90	
Total BTEx	<0.300	0.300	06/09/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 97.7 % 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	1800	16.0	06/08/2023	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	06/08/2023	ND	182	91.1	200	8.88	
DRO >C10-C28*	<10.0	10.0	06/08/2023	ND	184	92.2	200	7.38	
EXT DRO >C28-C36	<10.0	10.0	06/08/2023	ND					

Surrogate: 1-Chlorooctane 102 % 48.2-134

Surrogate: 1-Chlorooctadecane 111 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager

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---

### Notes and Definitions

S-06	The recovery of this surrogate is outside control limits due to sample dilution required from high analyte concentration and/or matrix interference's.
QR-03	The RPD value for the sample duplicate or MS/MSD was outside of QC acceptance limits due to matrix interference. QC batch accepted based on LCS and/or LCSD recovery and/or RPD values.
QM-07	The spike recovery was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS recovery.
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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A handwritten signature in black ink, appearing to read "Celey D. Keene".

---

Celey D. Keene, Lab Director/Quality Manager



CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

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

Company Name: Talon LPE

Project Manager:

Address: 408 W. Texas Ave

City: Artesia State: NM zip: 88210

Phone #: 575.746.8768 Fax #:

Project #: 700438.307.01 Project Owner: EOG

Project Name: MitchellSWD

Project Location: EddyCounty

Sample Name: N.ROSE

**BILL TO**

**ANALYSIS REQUEST**

P.O. #:

Company: EOG

Attn: J. Haass

Address:

City:

State: Zip:

Phone #:

Fax #:

FOR LAB USE ONLY

Lab I.D. Sample I.D.

HA33907

Depth 4' 1/2'

2  
3  
4  
5  
6  
7  
8  
9  
10

C-1	C	(G)RAB OR (C)OMP.	# CONTAINERS	GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER :	ACID/BASE:	ICE / COOL	OTHER :	DATE	TIME	CL	BTEX	TPH
C-2	C												6/6/23	0842			
C-3	C													0846			
C-4	C													0849			
C-5	C													0853			
C-6	C													0856			
C-7	C													0900			
C-8	C													0912			
C-9	C													0914			
C-10	C													0923			
														0926			

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 analyses. 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.

Abandoned By: Date: 6/6/23 Received By: [Signature]

Time: 1420

Received By: [Signature]

Date:

Time:

Delivered By: (Circle One)

2.4.1) C.O.C.

1.8.1) #113

Sample Condition

Cool Intact

Yes Yes No No

CHECKED BY: (Initials)

[Signature]

[Signature]

Phone Result: Yes No Add'l Phone #: Fax Result: Yes No Add'l Fax #:

REMARKS:

\* customer added analysis. Specimens 6-7-23

\* 6-7-23

# CARDINAL

## Laboratories



### CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

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

Received by OCD: 6/30/2023 10:56:17 AM

Company Name: Talon LPE		<b>BILL TO</b>		ANALYSIS REQUEST															
Project Manager: C. Hensley		P.O. #:																	
Address: 408 W. Texas Ave		Company: EOG																	
City: Artesia		Attn: J. Haass																	
Phone #: 575.746.8768		Address:																	
Fax #:		City:																	
Project #: 70093830701		State: NM Zip: 88210																	
Project Owner: EOG		State:																	
Project Name: Mitchell SWD		Zip:																	
Project Location: Eddy County		Phone #:																	
Sample Name: N. Rose		Fax #:																	
FOR LAB USE ONLY																			
Lab I.D.		Sample I.D.		(G)RAB OR (C)OMP.		# CONTAINERS		GROUNDWATER		WASTEWATER		MATRIX		PRESERV.		SAMPLING			
H339901		Depth 4 1/2'		C-11		C-11		SOIL		OIL		SLUDGE		OTHER :		DATE		TIME	
11				C-12		C-12		✓		✓		✓		✓		6/6/23		0932	
12				C-13		C-13		✓		✓		✓		✓				0941	
13				C-14		C-14		✓		✓		✓		✓				0948	
14				C-15		C-15		✓		✓		✓		✓				0956	
15				C-16		C-16		✓		✓		✓		✓				1010	
16				C-17		C-17		✓		✓		✓		✓				1013	
17				C-18		C-18		✓		✓		✓		✓				1018	
18				C-19		C-19		✓		✓		✓		✓				1021	
19				C-20		C-20		✓		✓		✓		✓				1025	
20																			


LEASE 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 analysis. 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: 		Date: 6/7/23		Received By: 		Date: 6/7/23	
Time: 1430							
Relinquished By:		Date:		Received By:		Date:	
Time:							

Delivered By: (Circle One) 2.41) E.O.G.

Sampler - UPS - Bus - Other: 1.8) #113

Sample Condition  
Cool ☒ Yes ☐ No  
Intact ☒ Yes ☐ No

CHECKED BY: 

REMARKS:

Phone Result: ☐ Yes ☐ No Add'l Phone #:

Fax Result: ☐ Yes ☐ No Add'l Fax #:

2/5





**CARDINAL**  
Laboratories

## CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

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

Company Name: Talon LPE		<b>BILL TO</b>		ANALYSIS REQUEST									
Project Manager: C. Hensley		P.O. #:											
Address: 408 W. Texas Ave		Company: EOG											
City: Artesia		Attn: J. Haass											
State: NM zip: 88210		Address:											
Phone #: 575.746.8768		City:											
Fax #:		State:											
Project #: 700438.307.01		Zip:											
Project Owner: EOG		Phone #:											
Project Name: MitchellSWD		Fax #:											
Project Location: EddyCounty													
Sampler Name: N. Rose													

FOR LAB USE ONLY

[illegible]

1632907	Depth
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[illegible]

**PLEASE NOTE:** Cardinal's liability and client's exclusive remedy for any claim arising whether based in contract or tort, shall be limited to the actual cash value of the property damaged or destroyed, as determined by Cardinal within 30 days after completion of the applicable investigation. 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 investigation. 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 any third party. Cardinal's obligation to defend and indemnify shall be limited 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: \_\_\_\_\_ Date: 7-22 Received By: \_\_\_\_\_

Time: 1430

Relinquished By:	Date:	Received By:
------------------	-------	--------------

Delivered By: (Circle One)

Sampler - UPS - Bus - Other:

Q.T.I. C.O.V.  
8. #13

Sample	Condition
Cool	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
Intact	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No

CHECKED BY:  
(Initials)

RESULTS OF VISITATION:			
Phone Result:	<input type="checkbox"/> Yes	<input type="checkbox"/> No	Add'l Phone #:
Fax Result:	<input type="checkbox"/> Yes	<input type="checkbox"/> No	Add'l Fax #:
REMARKS:			

REMARKS:

<input type="checkbox"/> Yes	<input type="checkbox"/> No	Add'l Phone #:
<input type="checkbox"/> Yes	<input type="checkbox"/> No	Add'l Fax #:

---

Add'l Phone #:	
Add'l Fax #:	

## CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Released to Imaging: 7/3/2023 9:19:23 AM



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

---

June 19, 2023

CHAD HENSLEY

TALON LPE

408 W. TEXAS AVE.

ARTESIA, NM 88210

RE: MITCHELLSWD

Enclosed are the results of analyses for samples received by the laboratory on 06/14/23 13:45.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-22-15. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (\*). For a complete list of accredited analytes and matrices visit the TCEQ website at [www.tceq.texas.gov/field/qa/lab\\_accred\\_certif.html](http://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  
CHAD HENSLEY  
408 W. TEXAS AVE.  
ARTESIA NM, 88210  
Fax To: (575) 745-8905

Received: 06/14/2023  
Reported: 06/19/2023  
Project Name: MITCHELLSWD  
Project Number: 700438.307.01  
Project Location: EOG - EDDY COUNTY

Sampling Date: 06/13/2023  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Shalyn Rodriguez

**Sample ID: SW - 2 4.5' (H233055-01)**

BTX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/15/2023	ND	1.89	94.4	2.00	23.7	
Toluene*	<0.050	0.050	06/15/2023	ND	1.99	99.4	2.00	8.79	
Ethylbenzene*	<0.050	0.050	06/15/2023	ND	2.09	104	2.00	3.19	
Total Xylenes*	<0.150	0.150	06/15/2023	ND	6.23	104	6.00	2.82	
Total BTX	<0.300	0.300	06/15/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 95.7 % 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	320	16.0	06/14/2023	ND	416	104	400	7.41		

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	06/15/2023	ND	228	114	200	7.26	
DRO >C10-C28*	<10.0	10.0	06/15/2023	ND	233	116	200	5.54	
EXT DRO >C28-C36	<10.0	10.0	06/15/2023	ND					

Surrogate: 1-Chlorooctane 80.6 % 48.2-134

Surrogate: 1-Chlorooctadecane 87.1 % 49.1-148

Cardinal Laboratories

\*=Accredited Analyte

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 client for 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 thirty (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 the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene, Lab Director/Quality Manager



---

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

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### Notes and Definitions

QR-04	The RPD for the BS/BSD was outside of historical limits.
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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A handwritten signature in black ink, appearing to read "Celey D. Keene".

---

Celey D. Keene, Lab Director/Quality Manager



**CARDINAL**  
Laboratories

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

## CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

[illegible]



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

---

June 20, 2023

CHAD HENSLEY

TALON LPE

408 W. TEXAS AVE.

ARTESIA, NM 88210

RE: MITCHELL SWD

Enclosed are the results of analyses for samples received by the laboratory on 06/14/23 13:45.

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

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

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

Accreditation applies to public drinking water matrices.

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

Sincerely,

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

Celey D. Keene

Lab Director/Quality Manager



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

**Analytical Results For:**

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

Received: 06/14/2023  
Reported: 06/20/2023  
Project Name: MITCHELL SWD  
Project Number: 700438.307.01  
Project Location: EOG - EDDY COUNTY

Sampling Date: 06/12/2023  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Shalyn Rodriguez

**Sample ID: C - 27 18' (H233058-01)**

BTEX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/15/2023	ND	1.89	94.4	2.00	23.7	
Toluene*	<0.050	0.050	06/15/2023	ND	1.99	99.4	2.00	8.79	
Ethylbenzene*	<0.050	0.050	06/15/2023	ND	2.09	104	2.00	3.19	
Total Xylenes*	<0.150	0.150	06/15/2023	ND	6.23	104	6.00	2.82	
Total BTEX	<0.300	0.300	06/15/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 97.7 % 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	2000	16.0	06/14/2023	ND	416	104	400	7.41	

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	06/15/2023	ND	207	104	200	14.3	QM-07
DRO >C10-C28*	64.1	10.0	06/15/2023	ND	188	94.1	200	13.4	
EXT DRO >C28-C36	17.6	10.0	06/15/2023	ND					

Surrogate: 1-Chlorooctane 103 % 48.2-134

Surrogate: 1-Chlorooctadecane 110 % 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  
CHAD HENSLEY  
408 W. TEXAS AVE.  
ARTESIA NM, 88210  
Fax To: (575) 745-8905

Received: 06/14/2023  
Reported: 06/20/2023  
Project Name: MITCHELL SWD  
Project Number: 700438.307.01  
Project Location: EOG - EDDY COUNTY

Sampling Date: 06/12/2023  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Shalyn Rodriguez

**Sample ID: C - 28 18' (H233058-02)**

BTEx 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/15/2023	ND	1.89	94.4	2.00	23.7	
Toluene*	<0.050	0.050	06/15/2023	ND	1.99	99.4	2.00	8.79	
Ethylbenzene*	<0.050	0.050	06/15/2023	ND	2.09	104	2.00	3.19	
Total Xylenes*	<0.150	0.150	06/15/2023	ND	6.23	104	6.00	2.82	
Total BTEx	<0.300	0.300	06/15/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 99.3 % 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	2200	16.0	06/14/2023	ND	416	104	400	7.41	

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	06/15/2023	ND	207	104	200	14.3	
DRO >C10-C28*	161	10.0	06/15/2023	ND	188	94.1	200	13.4	
EXT DRO >C28-C36	55.6	10.0	06/15/2023	ND					

Surrogate: 1-Chlorooctane 124 % 48.2-134

Surrogate: 1-Chlorooctadecane 128 % 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  
CHAD HENSLEY  
408 W. TEXAS AVE.  
ARTESIA NM, 88210  
Fax To: (575) 745-8905

Received: 06/14/2023  
Reported: 06/20/2023  
Project Name: MITCHELL SWD  
Project Number: 700438.307.01  
Project Location: EOG - EDDY COUNTY

Sampling Date: 06/12/2023  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Shalyn Rodriguez

**Sample ID: C - 29 18' (H233058-03)**

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	06/16/2023	ND	2.24	112	2.00	1.59	
Toluene*	<0.050	0.050	06/16/2023	ND	2.18	109	2.00	0.199	
Ethylbenzene*	<0.050	0.050	06/16/2023	ND	2.22	111	2.00	1.25	
Total Xylenes*	<0.150	0.150	06/16/2023	ND	6.54	109	6.00	1.26	
Total BTEX	<0.300	0.300	06/16/2023	ND					

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	3360	16.0	06/14/2023	ND	416	104	400	7.41		

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	06/15/2023	ND	207	104	200	14.3	
DRO >C10-C28*	4170	10.0	06/15/2023	ND	188	94.1	200	13.4	
EXT DRO >C28-C36	1420	10.0	06/15/2023	ND					

Surrogate: 1-Chlorooctane 91.2 % 48.2-134

Surrogate: 1-Chlorooctadecane 132 % 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  
CHAD HENSLEY  
408 W. TEXAS AVE.  
ARTESIA NM, 88210  
Fax To: (575) 745-8905

Received: 06/14/2023  
Reported: 06/20/2023  
Project Name: MITCHELL SWD  
Project Number: 700438.307.01  
Project Location: EOG - EDDY COUNTY

Sampling Date: 06/12/2023  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Shalyn Rodriguez

**Sample ID: C - 30 18' (H233058-04)**

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	06/16/2023	ND	2.24	112	2.00	1.59		
Toluene*	<0.050	0.050	06/16/2023	ND	2.18	109	2.00	0.199		
Ethylbenzene*	<0.050	0.050	06/16/2023	ND	2.22	111	2.00	1.25		
Total Xylenes*	<0.150	0.150	06/16/2023	ND	6.54	109	6.00	1.26		
Total BTEx	<0.300	0.300	06/16/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 109 % 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	4520	16.0	06/14/2023	ND	416	104	400	7.41		

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	06/15/2023	ND	207	104	200	14.3	
DRO >C10-C28*	1010	10.0	06/15/2023	ND	188	94.1	200	13.4	
EXT DRO >C28-C36	313	10.0	06/15/2023	ND					

Surrogate: 1-Chlorooctane 94.4 % 48.2-134

Surrogate: 1-Chlorooctadecane 97.4 % 49.1-148

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\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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

**Analytical Results For:**

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

Received: 06/14/2023  
Reported: 06/20/2023  
Project Name: MITCHELL SWD  
Project Number: 700438.307.01  
Project Location: EOG - EDDY COUNTY

Sampling Date: 06/12/2023  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Shalyn Rodriguez

**Sample ID: C - 33 18' (H233058-05)**

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	06/16/2023	ND	2.24	112	2.00	1.59		
Toluene*	<0.050	0.050	06/16/2023	ND	2.18	109	2.00	0.199		
Ethylbenzene*	<0.050	0.050	06/16/2023	ND	2.22	111	2.00	1.25		
Total Xylenes*	<0.150	0.150	06/16/2023	ND	6.54	109	6.00	1.26		
Total BTEx	<0.300	0.300	06/16/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 110 % 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	4000	16.0	06/14/2023	ND	416	104	400	7.41	

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	06/15/2023	ND	207	104	200	14.3	
DRO >C10-C28*	<10.0	10.0	06/15/2023	ND	188	94.1	200	13.4	
EXT DRO >C28-C36	<10.0	10.0	06/15/2023	ND					

Surrogate: 1-Chlorooctane 80.6 % 48.2-134

Surrogate: 1-Chlorooctadecane 84.2 % 49.1-148

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\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

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

Received: 06/14/2023  
Reported: 06/20/2023  
Project Name: MITCHELL SWD  
Project Number: 700438.307.01  
Project Location: EOG - EDDY COUNTY

Sampling Date: 06/12/2023  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Shalyn Rodriguez

**Sample ID: C - 34 18' (H233058-06)**

BTX 8021B		mg/kg		Analyzed By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/16/2023	ND	2.24	112	2.00	1.59	
Toluene*	<0.050	0.050	06/16/2023	ND	2.18	109	2.00	0.199	
Ethylbenzene*	<0.050	0.050	06/16/2023	ND	2.22	111	2.00	1.25	
Total Xylenes*	<0.150	0.150	06/16/2023	ND	6.54	109	6.00	1.26	
Total BTX	<0.300	0.300	06/16/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 109 % 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	6240	16.0	06/14/2023	ND	416	104	400	7.41		

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	06/15/2023	ND	207	104	200	14.3	
DRO >C10-C28*	83.2	10.0	06/15/2023	ND	188	94.1	200	13.4	
EXT DRO >C28-C36	20.6	10.0	06/15/2023	ND					

Surrogate: 1-Chlorooctane 84.3 % 48.2-134

Surrogate: 1-Chlorooctadecane 91.9 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

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

Received: 06/14/2023  
Reported: 06/20/2023  
Project Name: MITCHELL SWD  
Project Number: 700438.307.01  
Project Location: EOG - EDDY COUNTY

Sampling Date: 06/12/2023  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Shalyn Rodriguez

**Sample ID: C - 35 18' (H233058-07)**

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	06/16/2023	ND	2.24	112	2.00	1.59	
Toluene*	<0.050	0.050	06/16/2023	ND	2.18	109	2.00	0.199	
Ethylbenzene*	<0.050	0.050	06/16/2023	ND	2.22	111	2.00	1.25	
Total Xylenes*	<0.150	0.150	06/16/2023	ND	6.54	109	6.00	1.26	
Total BTEX	<0.300	0.300	06/16/2023	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	4160	16.0	06/14/2023	ND	416	104	400	7.41	

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	06/15/2023	ND	207	104	200	14.3	
DRO >C10-C28*	223	10.0	06/15/2023	ND	188	94.1	200	13.4	
EXT DRO >C28-C36	55.1	10.0	06/15/2023	ND					

Surrogate: 1-Chlorooctane 88.7 % 48.2-134

Surrogate: 1-Chlorooctadecane 94.9 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

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

Received: 06/14/2023  
Reported: 06/20/2023  
Project Name: MITCHELL SWD  
Project Number: 700438.307.01  
Project Location: EOG - EDDY COUNTY

Sampling Date: 06/12/2023  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Shalyn Rodriguez

**Sample ID: C - 36 18' (H233058-08)**

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	06/17/2023	ND	2.24	112	2.00	1.59	
Toluene*	<0.050	0.050	06/17/2023	ND	2.18	109	2.00	0.199	
Ethylbenzene*	<0.050	0.050	06/17/2023	ND	2.22	111	2.00	1.25	
Total Xylenes*	<0.150	0.150	06/17/2023	ND	6.54	109	6.00	1.26	
Total BTEX	<0.300	0.300	06/17/2023	ND					

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	3600	16.0	06/14/2023	ND	416	104	400	7.41		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	17.6	10.0	06/15/2023	ND	207	104	200	14.3	
DRO >C10-C28*	1070	10.0	06/15/2023	ND	188	94.1	200	13.4	
EXT DRO >C28-C36	335	10.0	06/15/2023	ND					

Surrogate: 1-Chlorooctane 93.7 % 48.2-134

Surrogate: 1-Chlorooctadecane 102 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager

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### Notes and Definitions

QR-04	The RPD for the BS/BSD was outside of historical limits.
QM-07	The spike recovery was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS recovery.
ND	Analyte NOT DETECTED at or above the reporting limit
RPD	Relative Percent Difference
**	Samples not received at proper temperature of 6°C or below.
***	Insufficient time to reach temperature.
-	Chloride by SM4500Cl-B does not require samples be received at or below 6°C Samples reported on an as received basis (wet) unless otherwise noted on report

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

---

Celey D. Keene, Lab Director/Quality Manager



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

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Company Name: Talon LPE		<b>BILL TO</b>		ANALYSIS REQUEST													
Project Manager: C. Hensley		P.O. #:															
Address: 408 W. Texas Ave		Company: EOG															
City: Artesia		Attn: J. Haass															
Phone #: 575.746.8768		Address:															
Fax #: State: NM zip: 88210		City:															
Project #: 700438.307.01		Project Owner: EOG															
Project Name: SWD Mitchell		State:															
Project Location: Eddy County		Phone #:															
Sampler Name: N. Rose		Fax #:															
FOR LAB USE ONLY																	
Lab I.D.		Sample I.D.		(G)RAB OR (C)OMP.		# CONTAINERS		GROUNDWATER		WASTEWATER		MATRIX		PRESERV.		SAMPLING	
H233658		Depth		C-27 18'		C 1											
1				C-28													
2				C-29													
3				C-30													
4				C-33													
5				C-34													
6				C-35													
7				C-36													
8																	

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Relinquished By: [Signature] Date: 6-14-23 Received By: [Signature] Time: 1345

Reinforced By: [Signature] Date: 6-14-23 Received By: [Signature] Time: 1345

Delivered By: (Circle One) #113 Sample Condition Cool Intact Yes Yes No No CHECKED BY: [Signature] (Initials)

Sampler - UPS - Bus - Other: -0.86/-1.14

Phone Result: ☐ Yes ☐ No Add'l Phone #:             
Fax Result: ☐ Yes ☐ No Add'l Fax #:           

REMARKS:



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

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June 21, 2023

CHAD HENSLEY

TALON LPE

408 W. TEXAS AVE.

ARTESIA, NM 88210

RE: MITCHELL SWD

Enclosed are the results of analyses for samples received by the laboratory on 06/20/23 12:58.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-22-15. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (\*). For a complete list of accredited analytes and matrices visit the TCEQ website at [www.tceq.texas.gov/field/qa/lab\\_accred\\_certif.html](http://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  
CHAD HENSLEY  
408 W. TEXAS AVE.  
ARTESIA NM, 88210  
Fax To: (575) 745-8905

Received: 06/20/2023  
Reported: 06/21/2023  
Project Name: MITCHELL SWD  
Project Number: 700438.307.01  
Project Location: EOG - EDDY COUNTY

Sampling Date: 06/19/2023  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Tamara Oldaker

**Sample ID: C - 40 6' (H233190-01)**

BTEX 8021B			mg/kg		Analyzed By: MS				
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/20/2023	ND	2.04	102	2.00	0.594	GC-NC
Toluene*	<0.050	0.050	06/20/2023	ND	2.33	117	2.00	0.177	
Ethylbenzene*	<0.050	0.050	06/20/2023	ND	2.33	116	2.00	0.770	
Total Xylenes*	<0.150	0.150	06/20/2023	ND	7.21	120	6.00	0.708	
Total BTEX	<0.300	0.300	06/20/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 105 % 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	560	16.0	06/21/2023	ND	400	100	400	3.92	

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	06/20/2023	ND	212	106	200	8.41	
DRO >C10-C28*	13.5	10.0	06/20/2023	ND	194	96.9	200	11.1	
EXT DRO >C28-C36	13.3	10.0	06/20/2023	ND					

Surrogate: 1-Chlorooctane 94.6 % 48.2-134

Surrogate: 1-Chlorooctadecane 95.3 % 49.1-148

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\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

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

Received: 06/20/2023  
Reported: 06/21/2023  
Project Name: MITCHELL SWD  
Project Number: 700438.307.01  
Project Location: EOG - EDDY COUNTY

Sampling Date: 06/19/2023  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Tamara Oldaker

**Sample ID: C - 45 6' (H233190-02)**

BTEx 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/20/2023	ND	2.04	102	2.00	0.594	
Toluene*	<0.050	0.050	06/20/2023	ND	2.33	117	2.00	0.177	
Ethylbenzene*	<0.050	0.050	06/20/2023	ND	2.33	116	2.00	0.770	
Total Xylenes*	<0.150	0.150	06/20/2023	ND	7.21	120	6.00	0.708	
Total BTEX	<0.300	0.300	06/20/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 105 % 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	1090	16.0	06/21/2023	ND	400	100	400	3.92	

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	06/20/2023	ND	212	106	200	8.41	
DRO >C10-C28*	<10.0	10.0	06/20/2023	ND	194	96.9	200	11.1	
EXT DRO >C28-C36	<10.0	10.0	06/20/2023	ND					

Surrogate: 1-Chlorooctane 68.7 % 48.2-134

Surrogate: 1-Chlorooctadecane 68.9 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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### Notes and Definitions

QM-07	The spike recovery was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS recovery.
GC-NC	8260 confirmation analysis was performed; initial GC results were not supported by GC/MS analysis and are reported as ND.
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

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 client for 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 thirty (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 the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

A handwritten signature in black ink, appearing to read "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

[illegible]



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

---

June 26, 2023

CHAD HENSLEY

TALON LPE

408 W. TEXAS AVE.

ARTESIA, NM 88210

RE: EOG MITCHELL SWD

Enclosed are the results of analyses for samples received by the laboratory on 06/23/23 13:00.

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

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

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

Accreditation applies to public drinking water matrices.

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

Sincerely,

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

Celey D. Keene

Lab Director/Quality Manager



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

**Analytical Results For:**

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

Received: 06/23/2023  
Reported: 06/26/2023  
Project Name: EOG MITCHELL SWD  
Project Number: 700438.307.01  
Project Location: EDDY COUNTY.RE.CEH

Sampling Date: 06/23/2023  
Sampling Type: Soil  
Sampling Condition: \*\* (See Notes)  
Sample Received By: Tamara Oldaker

**Sample ID: C - 29 8' (H233281-01)**

BTEx 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/23/2023	ND	2.13	106	2.00	0.00568	
Toluene*	<0.050	0.050	06/23/2023	ND	2.10	105	2.00	0.577	
Ethylbenzene*	<0.050	0.050	06/23/2023	ND	2.06	103	2.00	0.139	
Total Xylenes*	<0.150	0.150	06/23/2023	ND	6.26	104	6.00	0.0488	
Total BTEx	<0.300	0.300	06/23/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 105 % 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	1570	16.0	06/26/2023	ND	416	104	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	06/24/2023	ND	153	76.7	200	26.0	
DRO >C10-C28*	54.2	10.0	06/24/2023	ND	152	76.2	200	26.9	
EXT DRO >C28-C36	<10.0	10.0	06/24/2023	ND					

Surrogate: 1-Chlorooctane 121 % 48.2-134

Surrogate: 1-Chlorooctadecane 139 % 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  
CHAD HENSLEY  
408 W. TEXAS AVE.  
ARTESIA NM, 88210  
Fax To: (575) 745-8905

Received: 06/23/2023  
Reported: 06/26/2023  
Project Name: EOG MITCHELL SWD  
Project Number: 700438.307.01  
Project Location: EDDY COUNTY.RE.CEH

Sampling Date: 06/23/2023  
Sampling Type: Soil  
Sampling Condition: \*\* (See Notes)  
Sample Received By: Tamara Oldaker

**Sample ID: C - 30 4' (H233281-02)**

BTEx 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/23/2023	ND	2.13	106	2.00	0.00568	
Toluene*	<0.050	0.050	06/23/2023	ND	2.10	105	2.00	0.577	
Ethylbenzene*	<0.050	0.050	06/23/2023	ND	2.06	103	2.00	0.139	
Total Xylenes*	<0.150	0.150	06/23/2023	ND	6.26	104	6.00	0.0488	
Total BTEx	<0.300	0.300	06/23/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 104 % 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	2320	16.0	06/26/2023	ND	416	104	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	06/24/2023	ND	153	76.7	200	26.0	
DRO >C10-C28*	<10.0	10.0	06/24/2023	ND	152	76.2	200	26.9	
EXT DRO >C28-C36	<10.0	10.0	06/24/2023	ND					

Surrogate: 1-Chlorooctane 108 % 48.2-134

Surrogate: 1-Chlorooctadecane 118 % 49.1-148

Cardinal Laboratories

\*=Accredited Analyte

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 client for 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 thirty (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 the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene, Lab Director/Quality Manager



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

**Analytical Results For:**

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

Received: 06/23/2023  
Reported: 06/26/2023  
Project Name: EOG MITCHELL SWD  
Project Number: 700438.307.01  
Project Location: EDDY COUNTY.RE.CEH

Sampling Date: 06/23/2023  
Sampling Type: Soil  
Sampling Condition: \*\* (See Notes)  
Sample Received By: Tamara Oldaker

**Sample ID: C - 36 8' (H233281-03)**

BTEx 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/23/2023	ND	2.13	106	2.00	0.00568	
Toluene*	<0.050	0.050	06/23/2023	ND	2.10	105	2.00	0.577	
Ethylbenzene*	<0.050	0.050	06/23/2023	ND	2.06	103	2.00	0.139	
Total Xylenes*	<0.150	0.150	06/23/2023	ND	6.26	104	6.00	0.0488	
Total BTEX	<0.300	0.300	06/23/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 105 % 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	4920	16.0	06/26/2023	ND	416	104	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	06/24/2023	ND	153	76.7	200	26.0	
DRO >C10-C28*	14.8	10.0	06/24/2023	ND	152	76.2	200	26.9	
EXT DRO >C28-C36	<10.0	10.0	06/24/2023	ND					

Surrogate: 1-Chlorooctane 104 % 48.2-134

Surrogate: 1-Chlorooctadecane 124 % 49.1-148

Cardinal Laboratories

\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



---

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### Notes and Definitions

QR-04	The RPD for the BS/BSD was outside of historical limits.
BS-3	Blank spike recovery outside of lab established statistical limits, but still within method limits. Data is not adversely affected.
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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A handwritten signature in black ink, appearing to read "Celey D. Keene".

---

Celey D. Keene, Lab Director/Quality Manager



## CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

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

Company Name: Talon LPE											
Project Manager: C. Hensley											
Address: 408 W. Texas Ave											
City: Artesia											
Phone #: 575.746.8768		State: NM		zip: 88210							
Project #: 700438.307.01		Fax #:									
Project Name: EOG Mitchell		Project Owner: EOG									
Project Location: Eddy County		City:		State:		Zip:					
Sampler Name: N. Rose		Phone #:									
Fax #:											

<b>BILL TO</b>		<b>ANALYSIS REQUEST</b>									
P.O. #:											
Company: EOG											
Attn: J. Haass											
Address:											
City:											
State:											
Phone #:											
Fax #:											

[illegible]

analysis. 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 rendered by Cardinal, regardless of whether such claim is based on contract or tort. No claim shall be considered a claim for the purposes of this section unless it is specifically identified in writing by the client to Cardinal within the time period specified in this section.

Relinquished By:	Date:	Received By:	Phone Result:	<input type="checkbox"/> Yes	<input type="checkbox"/> No	Add'l Phone #:
	Time:		Fax Result:	<input type="checkbox"/> Yes	<input type="checkbox"/> No	Add'l Fax #:
Relinquished By:	Date:	Received By:	REMARKS:			
	Time:					

24 HOUR RUSH

† Cardinal cannot accept verbal changes. Please fax written changes to (575) 393-2326



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

---

June 29, 2023

CHAD HENSLEY

TALON LPE

408 W. TEXAS AVE.

ARTESIA, NM 88210

RE: MITCHELL

Enclosed are the results of analyses for samples received by the laboratory on 06/29/23 8:09.

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

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

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

Accreditation applies to public drinking water matrices.

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

Sincerely,

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

Celey D. Keene

Lab Director/Quality Manager



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

**Analytical Results For:**

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

Received: 06/29/2023  
Reported: 06/29/2023  
Project Name: MITCHELL  
Project Number: 700438.307.01  
Project Location: EOG - EDDY COUNTY

Sampling Date: 06/28/2023  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Shalyn Rodriguez

**Sample ID: C - 32 4.5' (H233355-01)**

BTEX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/29/2023	ND	2.25	112	2.00	3.93	
Toluene*	<0.050	0.050	06/29/2023	ND	2.26	113	2.00	4.52	
Ethylbenzene*	<0.050	0.050	06/29/2023	ND	2.12	106	2.00	1.67	
Total Xylenes*	<0.150	0.150	06/29/2023	ND	6.55	109	6.00	1.06	
Total BTEX	<0.300	0.300	06/29/2023	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	1420	16.0	06/29/2023	ND	416	104	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	06/29/2023	ND	164	82.1	200	3.17	
DRO >C10-C28*	15.5	10.0	06/29/2023	ND	169	84.3	200	4.15	
EXT DRO >C28-C36	<10.0	10.0	06/29/2023	ND					

Surrogate: 1-Chlorooctane 91.3 % 48.2-134

Surrogate: 1-Chlorooctadecane 102 % 49.1-148

Cardinal Laboratories

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

---

Celey D. Keene, Lab Director/Quality Manager



**CARDINAL**  
Laboratories

# CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

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

[illegible]

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

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

CONDITIONS  
  
Action 234915

CONDITIONS

Operator: EOG RESOURCES INC P.O. Box 2267 Midland, TX 79702	OGRID: 7377
	Action Number: 234915
	Action Type: [C-141] Release Corrective Action (C-141)

CONDITIONS

Created By	Condition	Condition Date
amaxwell	None	7/3/2023