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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.

Approx	kimate Depth to	Groundwater	105 feet bgs
∐Yes	⊠No	Within 300 feet of any continuously flowing water any other significant watercourse	course or
∐Yes	⊠No	Within 200 feet of any lakebed, sinkhole or a play	a lake
∐Yes	⊠No	Within 300 feet from an occupied permanent residuction of church	dence,
∐Yes	⊠No	Within 500 feet of a spring or a private, domestic well used by less than five households for domes watering purposes	
∐Yes	⊠No	Within 1000 feet of any freshwater well or spring	
∐Yes	⊠No	Within incorporated municipal boundaries or within municipal freshwater well field covered under a mordinance adopted pursuant to Section 3-2703 NI	ıunicipal
□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
	Total Chlorides	EPA 300.0 or SM4500 CI B	20,000 mg/kg
	TPH (GRO+DRO+MRO)	EPA SW-846 Method 8015M	2,500 mg/kg
< 100'	BTEX	EPA SW-846 Method 8021B or 8260B	50 mg/kg
	Benzene	EPA SW-846 Method 8021B or 8260B	10 mg/kg

## **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 titrartion 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
	7 Table 1 C		10 mg/kg	50 mg/kg		+ GRO ined = 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
0.00	6/14/23	18'	ND	ND	ND	4170	1420	5590	3360
C-29	6/23/23	18'	ND	ND	ND	54.2	ND	54.2	1570
626511	6/14/23	0-18'	ND	ND	ND	1010	313	1323	4520
C30SW	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

	6/7/23	4.5'	ND	ND	ND	1170	328	1498	5280
C-32	6/29/23	4.5	ND	ND	ND	ND	ND	ND	1420
C33SW	6/14/23	0-18'	ND	ND	ND	ND	ND	0	4000
C-34	6/14/23	18'	ND	ND	ND	83.2	20.6	103.8	6240
C-35	6/14/23	18'	ND	ND	ND	223	55.1	278.1	4160
	6/14/23	0-18'	ND	ND	17.6	1070	335	1422	3600
C36SW	6/23/23	0-18'	ND	ND	ND	14.8	ND	14.8	4920
C-37	6/7/23	4.5'	ND	ND	ND	87.2	20.6	107.8	4080
C-38	6/7/23	4.5'	ND	ND	ND	23.8	ND	23.8	9860
C39SW	6/7/23	0-18'	ND	ND	ND	437	200	637	4640
CAOCIAI	6/7/23	0-18'	ND	ND	ND	8480	3330	11810	4880
C40SW	6/20/23	0-18'	ND	ND	ND	13.5	13.3	26.8	560
C-41	6/7/23	4.5'	ND	ND	ND	301	117	418	4080
C-42	6/7/23	4.5'	ND	ND	ND	179	74.4	253.4	2680
C-43	6/7/23	4.5'	ND	ND	ND	446	205	651	4960
C-44	6/7/23	4.5'	ND	ND	ND	ND	ND	0	6240
C-45	6/7/23	4.5'	ND	ND	ND	349	142	491	32400
C-43	6/20/23	6'	ND	ND	ND	ND	ND	0	1090
C-46	6/7/23	4.5'	ND	ND	ND	ND	ND	0	14000
C-47	6/7/23	4.5'	ND	ND	ND	ND	15.9	15.9	5760
C-48	6/7/23	4.5'	ND	ND	ND	149	52.7	201.7	4320
C-49	6/7/23	4.5'	ND	ND	ND	ND	ND	0	2040
C-50	6/7/23	4.5'	ND	ND	ND	ND	ND	0	1800
SW-1	6/7/23	0-4'	ND	ND	ND	ND	ND	0	128
SW-2	6/7/23	0-4'	ND	ND	ND	ND	ND	0	848
300-2	6/14/23	0-4'	ND	ND	ND	ND	ND	0	320
SW-3	6/7/23	0-4'	ND	ND	ND	ND	ND	0	128
SW-4	6/7/23	0-4'	ND	ND	ND	ND	ND	0	128
SW-5	6/7/23	0-4'	ND	ND	ND	ND	ND	0	432
SW-6	6/7/23	0-4'	ND	ND	ND	ND	ND	0	384
SW-7	6/7/23	0-4'	ND	ND	ND	ND	ND	0	368
SW-8	6/7/23	0-4'	ND	ND	ND	ND	ND	0	112
SW-9	6/7/23	0-4'	ND	ND	ND	ND	ND	0	144
SW-10	6/7/23	0-4'	ND	ND	ND	ND	ND	0	320
SW-11	6/7/23	0-4'	ND	ND	ND	ND	ND	0	240
SW-12	6/7/23	0-4'	ND	ND	ND	ND	ND	0	64

**NOTES:** 

**TPH** 

Below ground

surface

mg/kg Milligrams per kilogram

Total Petroleum Hydrocar-

bons

Highlighted cells indicate exceedance of NMOCD Table 1 Closure Criteria

GRO	Gasoline range organics		
DRO	Diesel range organics		
MRO	Motor oil range organics		
S	Sample		
С	Confirmation		
C	Sample		
SW	Sidewall Sample		
TT	Test Trench		
R	Refusal		
ND	Analyte Not De-		
ND	tected		
	Analyte Not		
NT	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 originally going to be floor samples, but due to finding additional contaminates in that area they were converted into sidewall samples to keep cronalogical 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.

## 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

Clad Howler

Attachments:

Appendix I Site Maps

Appendix II Groundwater Data, Soil Survey, FEMA Flood Map

Appendix III C-141 Forms, NMOCD Correspondence

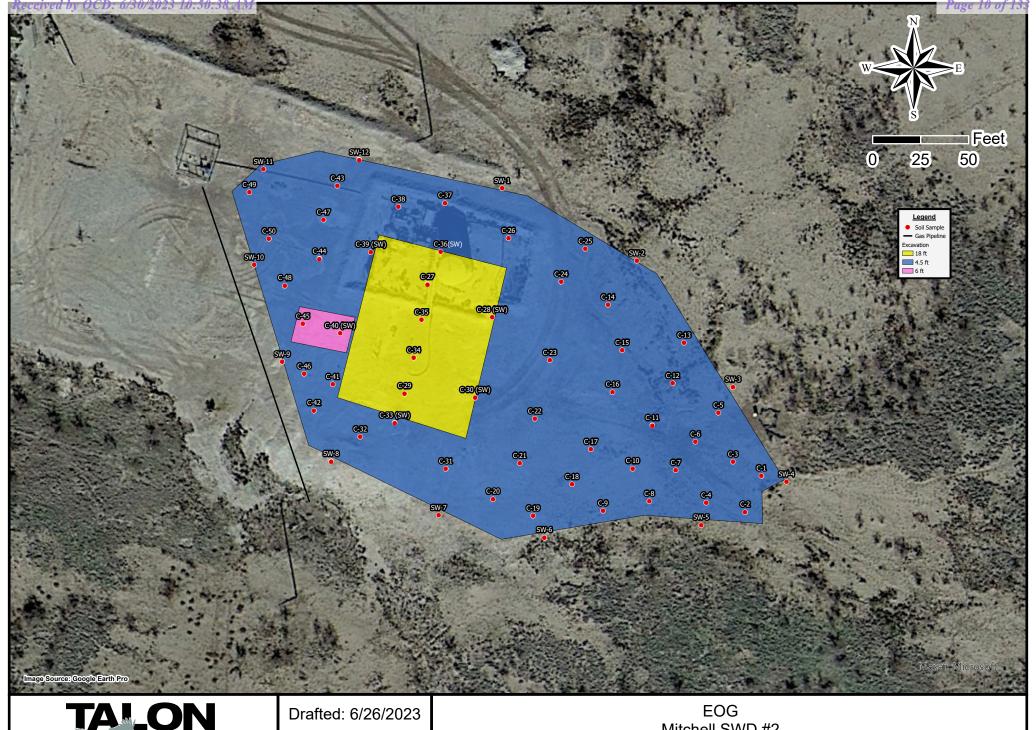
Appendix IV Photographic Documentation

Appendix V Laboratory Reports



# Appendix I

Site Maps



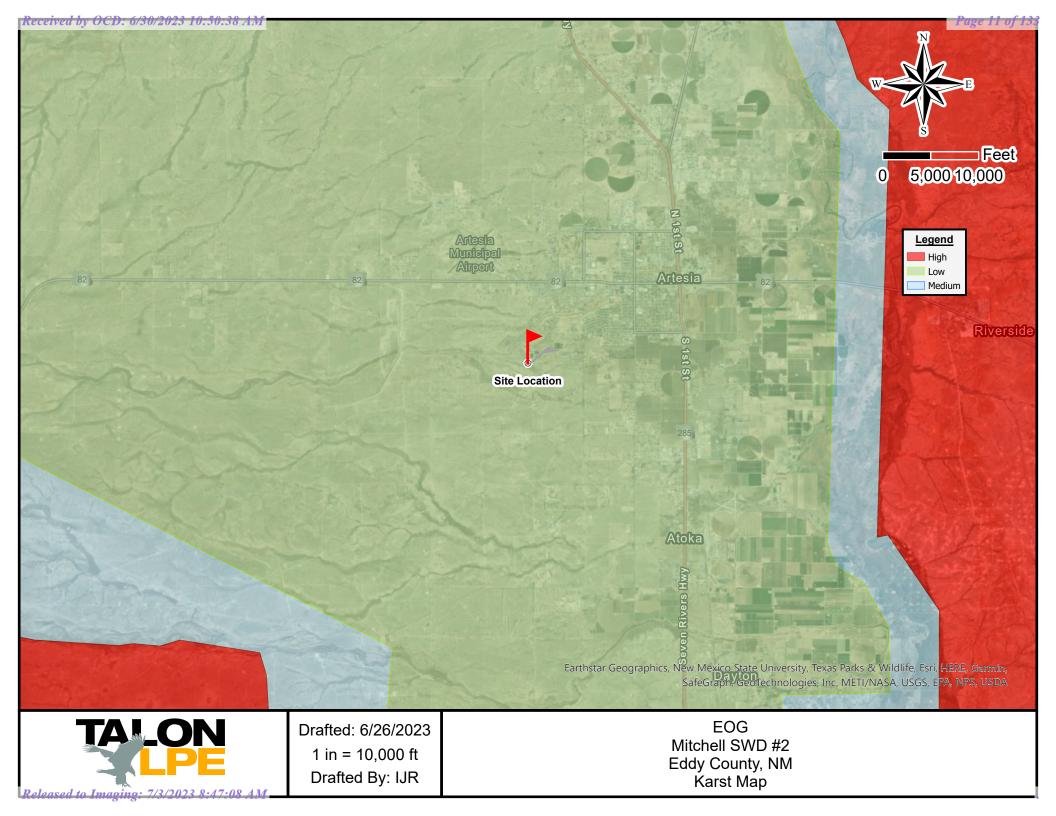
TALON

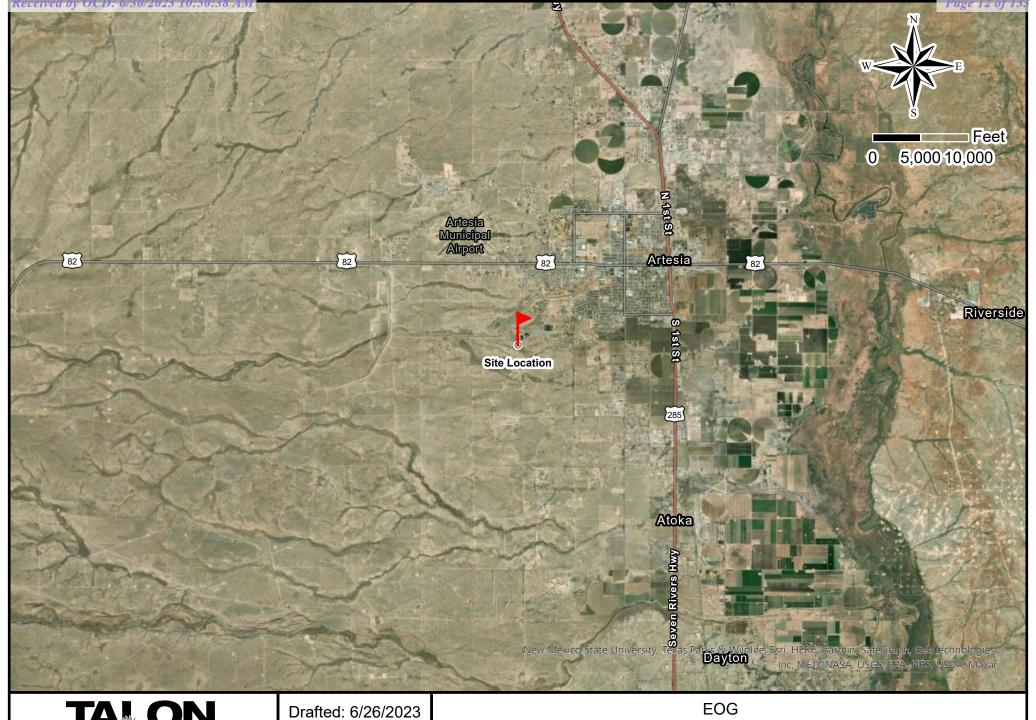
1 in = 50 ft

Drafted By: IJR

Figure 1

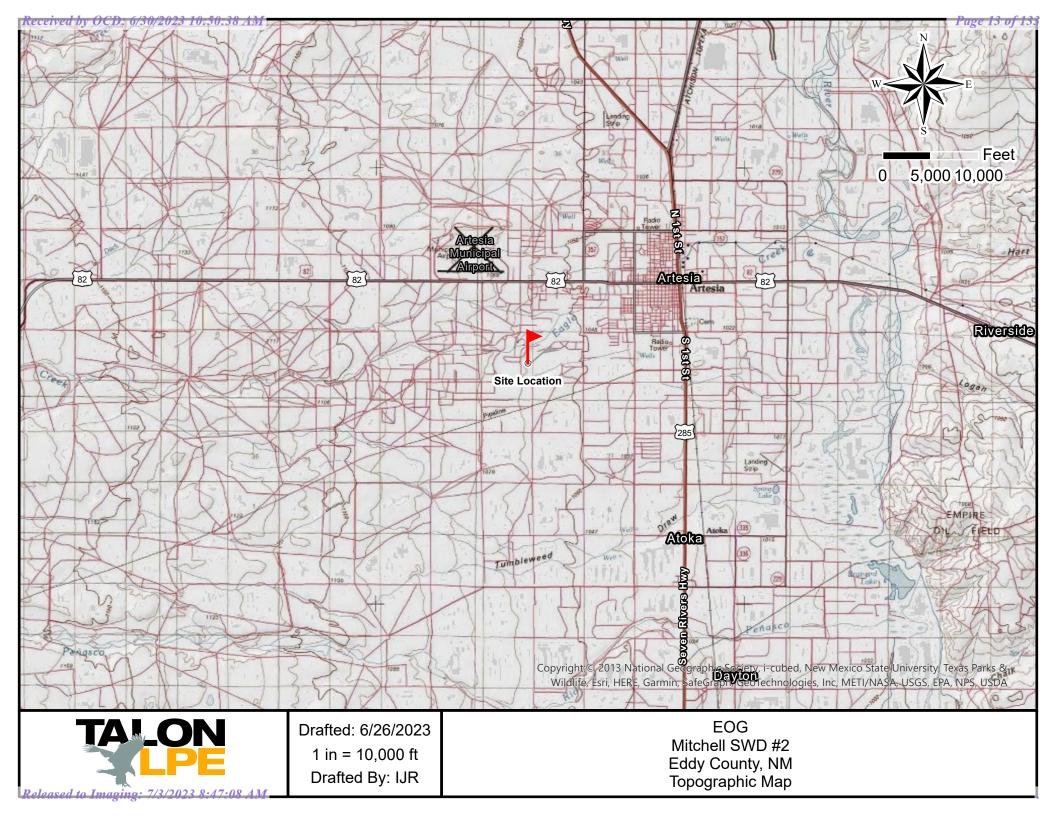
Mitchell SWD #2 Eddy County, NM Confirmation Map





TALON

Drafted: 6/26/2023 1 in = 10,000 ft Drafted By: IJR EOG Mitchell SWD #2 Eddy County, NM Location Map



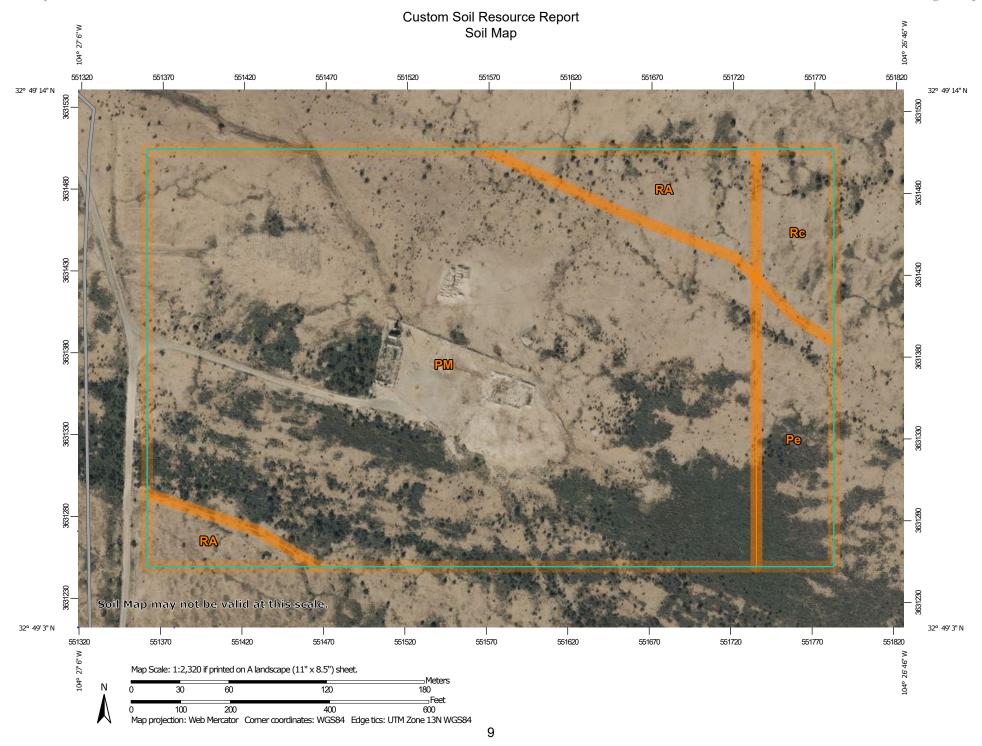


# **Appendix II**

Groundwater Data
Soil Survey
FEMA Flood Map

# Soil Map

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



#### MAP LEGEND

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**Water Features** 

Transportation

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Background

Spoil Area

Stony Spot

Wet Spot

Other

Rails

**US Routes** 

Major Roads

Local Roads

Very Stony Spot

Special Line Features

Streams and Canals

Interstate Highways

Aerial Photography

#### Area of Interest (AOI)

Area of Interest (AOI)

#### Soils

Soil Map Unit Polygons

Soil Map Unit Lines

Soil Map Unit Points

#### Special Point Features

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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

Sandy Spot

Saline Spot

Severely Eroded Spot

Sinkhole

Slide or Slip

Sodic Spot

# 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.

## **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

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

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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 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

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

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

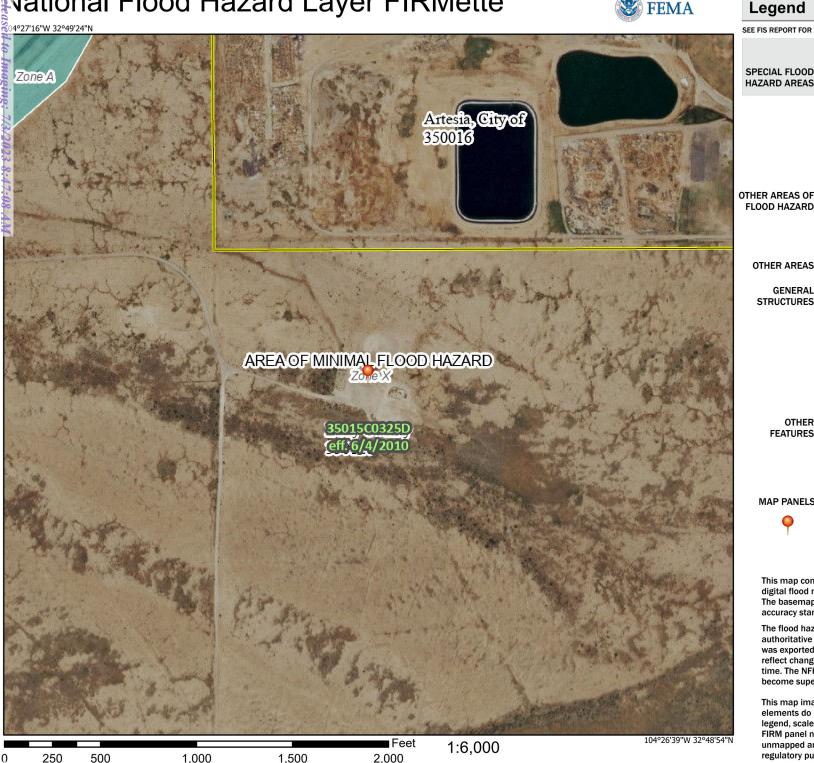
Percent of map unit: 1 percent

Ecological site: R070BC007NM - Loamy

Hydric soil rating: No

# National Flood Hazard Layer FIRMette





## Legend

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

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

> 0.2% Annual Chance Flood Hazard, Areas of 1% annual chance flood with average depth less than one foot or with drain e areas of less than one square mile Zor **Future Conditions 1% Annual**

Chance Flood Hazard Zone X Area with Reduced Flood Risk due to Levee. See Notes. Zone X

Area with Flood Risk due to Levee Zon FLOOD HAZARD

> NO SCREEN Area of Minimal Flood Hazard Zone X Effective LOMRs

OTHER AREAS Area of Undetermined Flood Hazard Zone D

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

> 20.2 Cross Sections with 1% Annual Chance Water Surface Elevation **Coastal Transect** Base Flood Elevation Line (BFE) Limit of Study Jurisdiction Boundary **Coastal Transect Baseline**

OTHER **Profile Baseline FEATURES** Hydrographic Feature

> Digital Data Available No Digital Data Available

MAP PANELS 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.



# Appendix III

C-141 Forms

NMOCD Correspondence

Page 25 of 133

Incident ID	nAB1526132368
District RP	
Facility ID	
Application ID	

# Closure

Closure Report Attachment Checklist: Each of the following items	s must be included in the closure report.
A scaled site and sampling diagram as described in 19.15.29.11 N	MAC
Photographs of the remediated site prior to backfill or photos of the must be notified 2 days prior to liner inspection)	he liner integrity if applicable (Note: appropriate OCD District office
☐ Laboratory analyses of final sampling (Note: appropriate ODC Di	strict 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 and regulations all operators are required to report and/or file certain rel may endanger public health or the environment. The acceptance of a C-should their operations have failed to adequately investigate and remedi human health or the environment. In addition, OCD acceptance of a C-compliance with any other federal, state, or local laws and/or regulation restore, reclaim, and re-vegetate the impacted surface area to the condition accordance with 19.15.29.13 NMAC including notification to the OCD	ease notifications and perform corrective actions for releases which -141 report by the OCD does not relieve the operator of liability ate contamination that pose a threat to groundwater, surface water, 141 report does not relieve the operator of responsibility for s. The responsible party acknowledges they must substantially ions that existed prior to the release or their final land use in
Printed Name: Jermey Haass T	itle: Sr. Safety & Enviromental Specialist
Signature: Da	te: <u>6/30/2023</u>
	lephone: 575-748-4311
OCD Only	
Received by:	Date:
Closure approval by the OCD does not relieve the responsible party of li remediate contamination that poses a threat to groundwater, surface water party of compliance with any other federal, state, or local laws and/or responsible.	er, human health, or the environment nor does not relieve the responsible
Closure Approved by: Ashley Maxwell	Date: 7/03/2023
Closure Approved by: Ashley Maxwell  Printed Name: Ashley Maxwell	Title: Environmental Specialist

Page 26 of 133

Incident ID	nAB1529255081
District RP	
Facility ID	
Application ID	

# Closure

Closure Report Attachment Checklist: Each of the following it	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 must be notified 2 days prior to liner inspection)	of the liner integrity if applicable (Note: appropriate OCD District office
☐ Laboratory analyses of final sampling (Note: appropriate OD	C District office must be notified 2 days prior to final sampling)
Description of remediation activities	
and regulations all operators are required to report and/or file certain may endanger public health or the environment. The acceptance of should their operations have failed to adequately investigate and rehuman health or the environment. In addition, OCD acceptance of	ations. The responsible party acknowledges they must substantially onditions that existed prior to the release or their final land use in
Printed Name: Jermey Haass	Title: Sr. Safety & Enviromental Specialist
Signature: Ty Huss	Date: 6/30/2023
email: jeremy_Haass@eogresources.com	Telephone:575-748-4311
OCD Only	
Received by:	Date:
	of liability should their operations have failed to adequately investigate and water, human health, or the environment nor does not relieve the responsible or regulations.
Closure Approved by: Ashley Maxwell	Date:
Closure Approved by: Ashley Maxwell Printed Name: Ashley Maxwell	Title: Environmental Specialist

Page 27 of 133

Incident ID	nKMW0800235934
District RP	
Facility ID	
Application ID	

# Closure

Closure Report Attachment Checklist: Each of the following items mu	ust be included in the closure report.
✓ A scaled site and sampling diagram as described in 19.15.29.11 NMA	.C
Photographs of the remediated site prior to backfill or photos of the l must be notified 2 days prior to liner inspection)	iner integrity if applicable (Note: appropriate OCD District office
☐ Laboratory analyses of final sampling (Note: appropriate ODC District	et 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 and regulations all operators are required to report and/or file certain releass may endanger public health or the environment. The acceptance of a C-14 should their operations have failed to adequately investigate and remediate human health or the environment. In addition, OCD acceptance of a C-141 compliance with any other federal, state, or local laws and/or regulations. restore, reclaim, and re-vegetate the impacted surface area to the conditions accordance with 19.15.29.13 NMAC including notification to the OCD when	e notifications and perform corrective actions for releases which I report by the OCD does not relieve the operator of liability contamination that pose a threat to groundwater, surface water, report does not relieve the operator of responsibility for The responsible party acknowledges they must substantially that existed prior to the release or their final land use in
Printed Name: Jermey Haass Title:	Sr. Safety & Enviromental Specialist
Signature: Date:	6/30/2023
email: jeremy_Haass@eogresources.com Teleph	none: 575-748-4311
OCD Only	
Received by:	Date:
Closure approval by the OCD does not relieve the responsible party of liabil remediate contamination that poses a threat to groundwater, surface water, h party of compliance with any other federal, state, or local laws and/or regul	uman health, or the environment nor does not relieve the responsible
Closure Approved by: Ashley Maxwell	Date:
Closure Approved by: Ashley Maxwell  Printed Name: Ashley Maxwell	Title: Environmental Specialist

Page 28 of 133

Incident ID	nSEB0813056099
District RP	
Facility ID	
Application ID	

# Closure

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 19.15.29.1	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	C District office n	nust be notified 2 days prior to final sampling)	
Description of remediation activities			
I hereby certify that the information given above is true and completed and regulations all operators are required to report and/or file certain may endanger public health or the environment. The acceptance of should their operations have failed to adequately investigate and reforman health or the environment. In addition, OCD acceptance of compliance with any other federal, state, or local laws and/or regular restore, reclaim, and re-vegetate the impacted surface area to the coaccordance with 19.15.29.13 NMAC including notification to the O	n release notifical a C-141 report by mediate contaminal C-141 report dotations. The responditions that exis	tions and perform corrective actions for releases which y the OCD does not relieve the operator of liability ation that pose a threat to groundwater, surface water, sees not relieve the operator of responsibility for nsible party acknowledges they must substantially ted prior to the release or their final land use in	
Printed Name: Jermey Haass	Title: Sr. Sa	fety & Enviromental Specialist	
Signature: Ty Huss			
email: jeremy_Haass@eogresources.com		75-748-4311	
OCD Only			
Received by:	Date:		
Closure approval by the OCD does not relieve the responsible party remediate contamination that poses a threat to groundwater, surface party of compliance with any other federal, state, or local laws and	water, human hea		
Closure Approved by: Ashley Maxwell	Date:	7/03/2023	
Closure Approved by: Ashley Majwell Printed Name: Ashley Maxwell		Environmental Specialist	

Page 29 of 133

	1 180 2 0/ 10
Incident ID	nSEB0826247749
District RP	
Facility ID	
Application ID	

# Closure

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 must be notified 2 days prior to liner inspection)	s of the liner integrity if applicable (Note: appropriate OCD District office
☐ Laboratory analyses of final sampling (Note: appropriate OD	C District office must be notified 2 days prior to final sampling)
Description of remediation activities	
and regulations all operators are required to report and/or file certain may endanger public health or the environment. The acceptance of should their operations have failed to adequately investigate and rehuman health or the environment. In addition, OCD acceptance of	ations. The responsible party acknowledges they must substantially onditions that existed prior to the release or their final land use in
Printed Name: Jermey Haass	Title: Sr. Safety & Enviromental Specialist
Signature: Ty Huss	
email: jeremy_Haass@eogresources.com	Telephone:575-748-4311
OCD Only	
Received by:	Date:
	of liability should their operations have failed to adequately investigate and water, human health, or the environment nor does not relieve the responsible for regulations.
Closure Approved by: Ashley Maxwell	7/03/2023
Closure Approved by: Ashley Maxwell Printed Name: Ashley Maxwell	Title: Environmental Specialist

From: Hamlet, Robert, EMNRD

To: <u>Chad Hensley</u>

Cc: <u>Jeremy Haass@eogresources.com; Chase Settle; David J. Adkins</u>
Subject: RE: [EXTERNAL] Variance Request for NSEB0826247749

**Date:** Monday, May 8, 2023 7:53:29 AM

Attachments: <u>image002.png</u>

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

http://www.emnrd.state.nm.us/OCD/



From: Enviro, OCD, EMNRD < OCD. Enviro@emnrd.nm.gov>

**Sent:** Friday, May 5, 2023 12:02 PM

**To:** Hamlet, Robert, EMNRD < 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 | <u>Jocelyn.Harimon@emnrd.nm.gov</u>

http://www.emnrd.nm.gov



**From:** Chad Hensley < <a href="mailto:chensley@talonlpe.com">chensley@talonlpe.com</a>>

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

To: Enviro, OCD, EMNRD < OCD. Enviro@emnrd.nm.gov>

**Cc:** Jeremy Haass < <u>Jeremy Haass@eogresources.com</u>>; Chase Settle

<<u>Chase Settle@eogresources.com</u>>; David J. Adkins <<u>dadkins@talonlpe.com</u>>

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



At Talon/LPE, we are quality in all things, including communication. Have a question? Need a quote? Send an email to <u>clientrelations@talonlpe.com</u>.

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 ft2 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
http://www.emnrd.state.nm.us/OCD/



From: Chad Hensley < <a href="mailto:chensley@talonlpe.com">chensley@talonlpe.com</a>>

**Sent:** Wednesday, June 28, 2023 1:11 PM

**To:** Hamlet, Robert, EMNRD < <u>Robert.Hamlet@emnrd.nm.gov</u>>

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 ft2 confirmation samples.

Robert Hamlet • Environmental Specialist - Advanced

Environmental Bureau



# Appendix IV

Photographic Documentation





**Photograph No.1 Description:** 

Initial excavation of site to 4.5 '



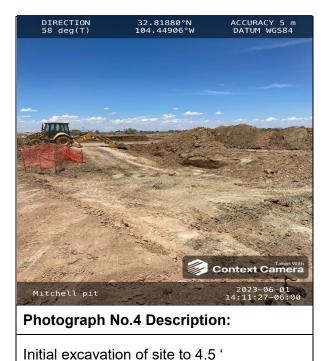
## **Photograph No.2 Description:**

Initial excavation of site to 4.5 '



## **Photograph No.3 Description:**

Initial excavation of site to 4.5 '







**Photograph No.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.





**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



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 <a href="https://www.tceq.texas.gov/field/ga/lab">www.tceq.texas.gov/field/ga/lab</a> accred certif.html.

Cardinal Laboratories is accreditated 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)

Celey D. Keine

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,

Celey D. Keene

Lab Director/Quality Manager



### Analytical Results For:

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

Received: 06/07/2023 Sampling Date: 06/05/2023
Reported: 06/12/2023 Sampling Type: Soil

Project Name: EOG MITCHELL SWD Sampling Condition: Cool & Intact
Project Number: 700438.307.01 Sample Received By: Shalyn Rodriguez

Applyand By 1H /

Project Location: EDDY COUNTY.RE.CEH

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

BTEX 8021B	mg,	/kg	Analyze	d 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 9	% 71.5-13	4						
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	Analyze	d 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 9	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	115	% 49.1-14	8						

Cardinal Laboratories \*=Accredited Analyte

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Celey D. Keine



### Analytical Results For:

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

Received: 06/07/2023 Sampling Date: 06/05/2023

Reported: 06/12/2023 Sampling Type: Soil

Project Name: EOG MITCHELL SWD Sampling Condition: Cool & Intact
Project Number: 700438.307.01 Sample Received By: Shalyn Rodriguez

Analyzed By: JH/

Project Location: EDDY COUNTY.RE.CEH

mg/kg

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

BTEX 8021B

DILX GOZID	iiig/	, kg	Alldiyzo	.u Dy. 3117					
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	% 71.5-13	4						
Chloride, SM4500CI-B	mg	/kg	Analyze	ed 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	Analyze	ed 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 9	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	114	% 49.1-14	8						

Cardinal Laboratories \*=Accredited Analyte

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Celey D. Keine



### Analytical Results For:

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

 Received:
 06/07/2023
 Sampling Date:
 06/05/2023

 Reported:
 06/12/2023
 Sampling Type:
 Soil

Project Name: EOG MITCHELL SWD Sampling Condition: Cool & Intact
Project Number: 700438.307.01 Sample Received By: Shalyn Rodriguez

Analyzed By: JH/

Project Location: EDDY COUNTY.RE.CEH

mg/kg

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

BTEX 8021B

	9/	9	71.14.1, = 0	,					
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	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	/kg	Analyze	ed 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	Analyze	ed 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	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	115	% 49.1-14	8						

Cardinal Laboratories \*=Accredited Analyte

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Celey D. Keene



### Analytical Results For:

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

Fax To: (575) 745-8905

Received: 06/07/2023 Sampling Date: 06/05/2023

Reported: 06/12/2023 Sampling Type: Soil

Project Name: EOG MITCHELL SWD Sampling Condition: Cool & Intact
Project Number: 700438.307.01 Sample Received By: Shalyn Rodriguez

Analyzed By: 1H /

Project Location: EDDY COUNTY.RE.CEH

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

RTFY 8021R

B1EX 8021B	mg	/ kg	Anaiyze	a 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	% 71.5-13	4						
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	Analyze	d 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	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	116	% 49.1-14	8						

Cardinal Laboratories \*=Accredited Analyte

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Celey D. Keene



### Analytical Results For:

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

 Received:
 06/07/2023
 Sampling Date:
 06/05/2023

 Reported:
 06/12/2023
 Sampling Type:
 Soil

Project Name: EOG MITCHELL SWD Sampling Condition: Cool & Intact
Project Number: 700438.307.01 Sample Received By: Shalyn Rodriguez

Analyzed By: JH/

Project Location: EDDY COUNTY.RE.CEH

mg/kg

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

BTEX 8021B

DILX GOZID	mg/	ng .	Alldiyzo	a by. 5117					
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 9	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	/kg	Analyze	ed 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	Analyze	ed 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 9	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	118 9	% 49.1-14	8						

Cardinal Laboratories \*=Accredited Analyte

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Celey D. Keene



### Analytical Results For:

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

Received: 06/07/2023 Sampling Date: 06/05/2023

Reported: 06/12/2023 Sampling Type: Soil

Project Name: EOG MITCHELL SWD Sampling Condition: Cool & Intact
Project Number: 700438.307.01 Sample Received By: Shalyn Rodriguez

Analyzed By: 1H /

Project Location: EDDY COUNTY.RE.CEH

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

RTFY 8021R

IEX 8021B	mg/	/кд	Anaiyze	ea By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
enzene*	<0.050	0.050	06/09/2023	ND	2.09	104	2.00	0.426	
oluene*	<0.050	0.050	06/09/2023	ND	2.08	104	2.00	1.11	
hylbenzene*	<0.050	0.050	06/09/2023	ND	2.18	109	2.00	0.0263	
otal Xylenes*	<0.150	0.150	06/09/2023	ND	6.45	108	6.00	0.0931	
otal BTEX	<0.300	0.300	06/09/2023	ND					
urrogate: 4-Bromofluorobenzene (PII	113 9	% 71.5-13	34						
nloride, SM4500Cl-B	mg/	/kg	Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
hloride	384	16.0	06/08/2023	ND	400	100	400	3.92	
PH 8015M	mg/	/kg	Analyze	ed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
RO C6-C10*	<10.0	10.0	06/08/2023	ND	190	95.2	200	0.208	
RO >C10-C28*	<10.0	10.0	06/08/2023	ND	177	88.6	200	1.61	
KT DRO >C28-C36	<10.0	10.0	06/08/2023	ND					
ırrogate: 1-Chlorooctane	122 5	% 48.2-13	34						
ırrogate: 1-Chlorooctadecane	134 9	% 49.1-14	18						
urrogate: 1-Chlorooctadecane	134	% 49.1-14	18						

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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 Sampling Date: 06/05/2023

Reported: 06/12/2023 Sampling Type: Soil

Project Name: EOG MITCHELL SWD Sampling Condition: Cool & Intact
Project Number: 700438.307.01 Sample Received By: Shalyn Rodriguez

Analyzed By: JH/

Project Location: EDDY COUNTY.RE.CEH

mg/kg

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

BTEX 8021B

	9/	9	7111411720	,					
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	% 71.5-13	4						
Chloride, SM4500Cl-B	mg,	/kg	Analyze	ed 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	Analyze	ed 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	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	118	% 49.1-14	8						

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### Analytical Results For:

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

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)

Received:

RTFY 8021R

Result <0.050 <0.050	Reporting Limit 0.050	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
	0.050	06/00/2022						
< 0.050		06/09/2023	ND	2.09	104	2.00	0.426	
	0.050	06/09/2023	ND	2.08	104	2.00	1.11	
<0.050	0.050	06/09/2023	ND	2.18	109	2.00	0.0263	
<0.150	0.150	06/09/2023	ND	6.45	108	6.00	0.0931	
<0.300	0.300	06/09/2023	ND					
110 %	6 71.5-13-	4						
mg/kg		Analyzed By: AC						
Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
112	16.0	06/08/2023	ND	400	100	400	3.92	
mg/	kg	Analyze	d By: MS					
Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
<10.0	10.0	06/08/2023	ND	190	95.2	200	0.208	
<10.0	10.0	06/08/2023	ND	177	88.6	200	1.61	
<10.0	10.0	06/08/2023	ND					
106 %		1						
/	70.2-13	7						
F <	mg/l elesult 110.0 110.0 110.0	Result Reporting Limit  112 16.0  mg/kg  Result Reporting Limit  110.0 10.0  110.0 10.0  110.0 10.0	Result Reporting Limit Analyzed  112 16.0 06/08/2023  mg/kg Analyze  Result Reporting Limit Analyzed  110.0 10.0 06/08/2023  110.0 10.0 06/08/2023  110.0 10.0 06/08/2023	Result         Reporting Limit         Analyzed         Method Blank           112         16.0         06/08/2023         ND           mg/kg         Analyzed By: MS           Result         Reporting Limit         Analyzed         Method Blank           £10.0         10.0         06/08/2023         ND           £10.0         10.0         06/08/2023         ND           £10.0         10.0         06/08/2023         ND	Result         Reporting Limit         Analyzed         Method Blank         BS           112         16.0         06/08/2023         ND         400           mg/kg         Analyzed By: MS           Result         Reporting Limit         Analyzed         Method Blank         BS           £10.0         10.0         06/08/2023         ND         190           £10.0         10.0         06/08/2023         ND         177           £10.0         10.0         06/08/2023         ND         ND	Result         Reporting Limit         Analyzed         Method Blank         BS         % Recovery           112         16.0         06/08/2023         ND         400         100           mg/kg         Analyzed By: MS           Result         Reporting Limit         Analyzed         Method Blank         BS         % Recovery           £10.0         10.0         06/08/2023         ND         190         95.2           £10.0         10.0         06/08/2023         ND         177         88.6           £10.0         10.0         06/08/2023         ND         ND         10.0	Result         Reporting Limit         Analyzed         Method Blank         BS         % Recovery         True Value QC           112         16.0         06/08/2023         ND         400         100         400           mg/kg         Analyzed By: MS           Result         Reporting Limit         Analyzed         Method Blank         BS         % Recovery         True Value QC           \$\frac{1}{2}0.0         10.0         06/08/2023         ND         190         95.2         200           \$\frac{1}{2}0.0         10.0         06/08/2023         ND         177         88.6         200           \$\frac{1}{2}0.0         10.0         06/08/2023         ND         177         88.6         200	Result         Reporting Limit         Analyzed         Method Blank         BS         % Recovery         True Value QC         RPD           112         16.0         06/08/2023         ND         400         100         400         3.92           mg/kg         Analyzed By: MS           Result         Reporting Limit         Analyzed         Method Blank         BS         % Recovery         True Value QC         RPD           \$10.0         10.0         06/08/2023         ND         190         95.2         200         0.208           \$10.0         10.0         06/08/2023         ND         177         88.6         200         1.61

Analyzed By: 1H /

Cardinal Laboratories \*=Accredited Analyte

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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 Sampling Date: 06/05/2023

Reported: 06/12/2023 Sampling Type: Soil

Project Name: EOG MITCHELL SWD Sampling Condition: Cool & Intact
Project Number: 700438.307.01 Sample Received By: Shalyn Rodriguez

Analyzed By: JH/

Project Location: EDDY COUNTY.RE.CEH

mg/kg

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

BTEX 8021B

	9/	9	7	7: 5::.,					
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	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	/kg	Analyze	ed 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	Analyze	ed 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	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	120	% 49.1-14	8						

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Celey D. Keene



### Analytical Results For:

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

Received: 06/07/2023 Sampling Date: 06/05/2023

Reported: 06/12/2023 Sampling Type: Soil

Project Name: EOG MITCHELL SWD Sampling Condition: Cool & Intact
Project Number: 700438.307.01 Sample Received By: Shalyn Rodriguez

Analyzed By: JH/

Project Location: EDDY COUNTY.RE.CEH

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

BTEX 8021B

DILX GOZID	ıııg,	, kg	Alldiyzo	.u Dy. 3117					
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 9	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	/kg	Analyze	ed 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	Analyze	ed 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	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	118	% 49.1-14	8						

Cardinal Laboratories \*=Accredited Analyte

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Celey D. Keene



### Analytical Results For:

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

Received: 06/07/2023 Sampling Date: 06/05/2023

Reported: 06/12/2023 Sampling Type: Soil

Project Name: EOG MITCHELL SWD Sampling Condition: Cool & Intact
Project Number: 700438.307.01 Sample Received By: Shalyn Rodriguez

Analyzed By: 1H /

Project Location: EDDY COUNTY.RE.CEH

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

RTFY 8021R

BIEX 8021B	mg	/ <b>kg</b>	Anaiyze	a 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	% 71.5-13	4						
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	Analyze	d 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	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	122	% 49.1-14	8						

Cardinal Laboratories \*=Accredited Analyte

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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 Sampling Date: 06/05/2023

Reported: 06/12/2023 Sampling Type: Soil

Project Name: EOG MITCHELL SWD Sampling Condition: Cool & Intact Sample Received By: Project Number: 700438.307.01 Shalyn Rodriguez

Project Location: EDDY COUNTY.RE.CEH

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

BTEX 8021B	mg/	kg	Analyze	d 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 %	6 71.5-13	4						
Chloride, SM4500Cl-B	mg/	kg	Analyze	d 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	Analyze	d 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 9	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	111 9	6 49.1-14	8						

Cardinal Laboratories \*=Accredited Analyte

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Celey D. Keene



### **Notes and Definitions**

ND Analyte NOT DETECTED at or above the reporting limit

RPD Relative Percent Difference

\*\* Samples not received at proper temperature of 6°C or below.

\*\*\* Insufficient time to reach temperature.

- Chloride by SM4500Cl-B does not require samples be received at or below 6°C

Samples reported on an as received basis (wet) unless otherwise noted on report

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Celey D. Keene

## ARDINAL aboratories

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

	(3/3) 333-2320 1 AA (3/3) 333-27.							ANIAI YSIS REQUEST
Company Name: Talon LPE	Talon LPE	14,000	BILL TO	_	+	+	+	ANALISIS NEGOCO:
Project Manager	Project Manager: CHAD HENSLEY		P.O. #:					
Address: 408	408 W. Texas Ave		Company: EUG					
city: Artesia	State: NM	zip: 88210	Attn.J.Haass					
Phone #: 575.746.8768	746.8768 Fax #:		Address:					
Project #: 700438.307.01	.38.307.01 Project Owner:		City:					
Project Name:	Project Name: EOGMitchellSWD		State: Zip:					
Project Location	Project Location: EddyCounty		Phone #:		_			
Sampler Name: N.Rose	N.Rose		1			_		
odilipiei ivaliie.		MATRIX	PRESERV SAMPLING	G		_		
FOR LAB USE ONLY		ER R						
Lab I.D.	Sample I.D.	AB OR (C NTAINER UNDWATE TEWATE	COOL		EV			
- SARRE	Depth	# CO GRO	OTH DATE	1	1	BT	-	
	SW-1 (1/2-4)P+	0 -	6/5/23	1140		JL.	.   5	
	SW-2	0		+			. 5	
cu	SW-3			_			.  <	
	SW-4		7	1214		. 5	7	
N	SW-5			1219		_	12	
6	SW-6			1230			. 5	
۱ ا	SW-7	Ω		1252			5	
0	SW-8	C .	5	1258		?	1	
20	SW-9	Ω		1423		1	7	
0::	SW-10	C -	7	1431	È	5	5	
	INEASE NOTE: Liability and Damages, Cardinal's liability and client's exclusive remedy for any claim arising whether based in contract or fort, shall be limited to the annual received by Cardinal within 30 days after completion of the applicable 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, 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. 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.	any claim arising whether based in contract deemed waived unless made in writing and gwithout limitation, business interruptions,	or tort, shall be limited to the amount para- d received by Cardinal within 30 days after d received by Cardinal within 30 days after d received by Cardinal within 20 days after loss of use, or loss of profits incurred by ci-	frent, its subsidiaries,	pplicable			
	iffiliates or successors arising out of or related to the performance of services hereunder by Relinquished By:	Date: Received By:	is placed upon any or one seement	Phone Result:	<del></del>	Yes		No Add'l Phone #: No Add'l Fax #:
OCD: 6/3	Time	Received By:	July	REMARKS:	_			
l by	Time:							
Delivered By	Delivered By: (Circle One) 2 4 ソレーの・のと	Sample Condition Cool Intact	ion CHECKED BY: (Initials)					
	- Bus - Other: 1.8: #113	No.						

Page 15 of 16

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# CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

101 East Marland, Hobbs, NM 86240 (575) 393-2326 FAX (575) 393-2476	76	
Company Name: Talon LPE	BILL TO	ANALYSIS REQUEST
Project Manager: C. Hensley	P.O.#:	
Address: 408 W. Texas Ave	Company: EUG	
city: Artesia state: NM	zip: 88210	
Phone #: 575.746.8768 Fax #:	Address:	
Project #: 700438.307.01 Project Owner:	er: City:	
Project Name: EOGMitchellSWD	State: Zip:	
Project Location: EDDY County	Phone #:	
Sampler Name: N. Rose	Fax #:	
FOR LAR USE ONLY	MATRIX PRESERV. SAMPLING	LING
FOR LAB USE ONLY	ERS ATER FER	
Lab I.D. Sample I.D.	G)RAB OR CONTAINE GROUNDW. WASTEWAT GOIL DIL SLUDGE DTHER: ACID/BASE CE / COOL DTHER:	CL BTEX TPH
SW-11 (0-4Ft)	V .	1445 9
SW-12	C	1500
:50:38 AM		
	or any claim arising whether based in contract or tort, shall be limited to the amount be deemed waived unless made in writing and received by Cardinal within 30 days be deemed waived unless made in writing and received by Cardinal within 30 days find without limitation, business interruptions, loss of use, or loss of pofits increating without limitation, business interruptions, loss of use, or loss, or the above state.	[
Relinquished By:  Relinquished By:	Received By:  Received By:	Phone Result:
1	Sample Condition CHECKED BY:	
Recein Sampler - UPS - Bus - Other: 8:4(5	Cool Intact  Types Types  No No No	

Page 16 of 16

channes to [ETE] 202\_2226

and annat accept worked changes Blaces for written



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 <a href="https://www.tceq.texas.gov/field/ga/lab\_accred\_certif.html">www.tceq.texas.gov/field/ga/lab\_accred\_certif.html</a>.

Cardinal Laboratories is accreditated 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.

Celey D. Keene

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,

Celey D. Keene

Lab Director/Quality Manager



### Analytical Results For:

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

Received: 06/07/2023 Sampling Date: 06/06/2023

Reported: 06/13/2023 Sampling Type: Soil

Project Name: MITCHELLSWD Sampling Condition: Cool & Intact
Project Number: 700438.307.01 Sample Received By: Shalyn Rodriguez

Analyzed By: JH/

Project Location: EOG - EDDY COUNTY

mg/kg

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

BTEX 8021B

	9,	9		/ /					
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	% 71.5-13	4						
Chloride, SM4500Cl-B	mg,	/kg	Analyze	d 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	Analyze	d 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	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	119	% 49.1-14	8						

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Celey D. Keene



### Analytical Results For:

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

Received: 06/07/2023 Sampling Date: 06/06/2023

Reported: 06/13/2023 Sampling Type: Soil

Project Name: MITCHELLSWD Sampling Condition: Cool & Intact
Project Number: 700438.307.01 Sample Received By: Shalyn Rodriguez

Analyzed By: 1H /

Project Location: EOG - EDDY COUNTY

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

RTFY 8021R

BIEX 8021B	mg	/кд	Anaiyze	a 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	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	/kg	Analyze	d 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	Analyze	d 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	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	103	% 49.1-14	8						

Cardinal Laboratories \*=Accredited Analyte

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Celey D. Keene



### Analytical Results For:

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

Received: 06/07/2023 Sampling Date: 06/06/2023

Reported: 06/13/2023 Sampling Type: Soil

Project Name: MITCHELLSWD Sampling Condition: Cool & Intact
Project Number: 700438.307.01 Sample Received By: Shalyn Rodriguez

Analyzed By: 1H /

Project Location: EOG - EDDY COUNTY

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

RTFY 8021R

Result <0.050 <0.050 <0.050 <0.150 <0.300	Reporting Limit  0.050  0.050  0.050  0.150  0.300	Analyzed 06/09/2023 06/09/2023 06/09/2023 06/09/2023	Method Blank  ND  ND  ND  ND  ND	BS 2.09 2.08 2.18 6.45	% Recovery 104 104 109	True Value QC 2.00 2.00 2.00	RPD 0.426 1.11 0.0263	Qualifier
<0.050 <0.050 <0.150 <0.300	0.050 0.050 0.150	06/09/2023 06/09/2023 06/09/2023	ND ND	2.08 2.18	104 109	2.00	1.11	
<0.050 <0.150 <0.300	0.050 0.150	06/09/2023 06/09/2023	ND	2.18	109			
<0.150 <0.300	0.150	06/09/2023				2.00	0.0263	
<0.300			ND	6.45				
	0.300	06/09/2023		0.75	108	6.00	0.0931	
		00,00,2025	ND					
113	% 71.5-13	4						
mg	/kg	Analyze	d By: AC					
Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
2280	16.0	06/08/2023	ND	432	108	400	0.00	
mg,	/kg	Analyze	d By: MS					
Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
<10.0	10.0	06/08/2023	ND	190	95.2	200	0.208	
<10.0	10.0	06/08/2023	ND	177	88.6	200	1.61	
<10.0	10.0	06/08/2023	ND					
93.3	% 48.2-13	4						
104	% 49.1-14	8						
	Result 2280 mg, Result <10.0 <10.0 <10.0	## 71.5-13    mg/kg      Result   Reporting Limit      2280   16.0      mg/kg      Result   Reporting Limit      <10.0   10.0      <10.0   10.0      <10.0   10.0      <10.0   10.0      <33.3 %   48.2-13.8888      48.2-13.8888	113 % 71.5-134         mg/kg       Analyzed         2280 16.0 06/08/2023         mg/kg       Analyzed         Result Reporting Limit Analyzed         <10.0 10.0 06/08/2023	113 %       71.5-134         mg/ky       Analyzed By: AC         Result       Reporting Limit       Analyzed       Method Blank         Result       Reporting Limit       Analyzed       Method Blank         <10.0	113 %       71.5-134         mg/ky       Analyzed By: AC         Result       Reporting Limit       Analyzed       Method Blank       BS         Result       Reporting Limit       Analyzed       Method Blank       BS         <10.0	113 % 71.5-134         mg/kg       Analyzed By: AC         Result Reporting Limit Analyzed Method Blank BS % Recovery         2280 16.0 06/08/2023 ND 432 108         mg/kg       Analyzed By: MS         Result Reporting Limit Analyzed Method Blank BS % Recovery         <10.0 10.0 06/08/2023 ND 190 95.2	113 % 71.5-134         mg/kg       Analyzed By: AC         Result Reporting Limit Analyzed Method Blank BS % Recovery True Value QC         2280 16.0 06/08/2023 ND 432 108 400         mg/kg       Analyzed By: MS         Result Reporting Limit Analyzed Method Blank BS % Recovery True Value QC         <10.0 10.0 06/08/2023 ND 190 95.2 200	113 % 71.5-134         mg/kg       Analyzed By: AC         Result Reporting Limit Analyzed Method Blank BS % Recovery True Value QC RPD         2280 16.0 06/08/2023 ND 432 108 400 0.00         mg/kg       Analyzed By: MS         Result Reporting Limit Analyzed Method Blank BS % Recovery True Value QC RPD         <10.0 10.0 06/08/2023 ND 190 95.2 200 0.208

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Celey D. Keine



### Analytical Results For:

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

Received: 06/07/2023 Sampling Date: 06/06/2023

Reported: 06/13/2023 Sampling Type: Soil

Project Name: MITCHELLSWD Sampling Condition: Cool & Intact
Project Number: 700438.307.01 Sample Received By: Shalyn Rodriguez

Analyzed By: 1H /

Project Location: EOG - EDDY COUNTY

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

RTFY 8021R

B1EX 8021B	mg,	/ <b>kg</b>	Anaiyze	ea 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	% 71.5-13	4						
Chloride, SM4500Cl-B	mg,	/kg	Analyze	ed 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	Analyze	ed 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	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	121	% 49.1-14	8						

Cardinal Laboratories \*=Accredited Analyte

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Celey D. Keine



### Analytical Results For:

TALON LPE CHAD HENSLEY 408 W. TEXAS AVE. ARTESIA NM, 88210

Fax To: (575) 745-8905

Received: 06/07/2023 Sampling Date: 06/06/2023

Reported: 06/13/2023 Sampling Type: Soil

Project Name: MITCHELLSWD Sampling Condition: Cool & Intact
Project Number: 700438.307.01 Sample Received By: Shalyn Rodriguez

Analyzed By: 1H /

Project Location: EOG - EDDY COUNTY

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

RTFY 8021R

Result   Reporting Limit   Analyzed   Method Blank   BS   % Recovery   True Value QC   RPD	BIEX 8021B	mg,	/ <b>kg</b>	Anaiyze	ea By: JH/					
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 ⅓ 71.5-134  Chloride, SM4500Cl-B mg/kg Analyzed By: AC  Analyte Result Reporting Limit Analyzed Method Blank BS % Recovery True Value QC RPD  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  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	Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Ethylbenzene* < 0.050	Benzene*	<0.050	0.050	06/09/2023	ND	2.09	104	2.00	0.426	
Total Xylenes*         <0.150         0.150         06/09/2023         ND         6.45         108         6.00         0.0931           Total BTEX         <0.300	Toluene*	< 0.050	0.050	06/09/2023	ND	2.08	104	2.00	1.11	
Total BTEX         <0.300         0.300         06/09/2023         ND           Surrogate: 4-Bromofluorobenzene (PID         113 %         71.5-134           Chloride, SM4500Cl-B         mg/ky         Analyzed By: AC           Analyte         Result         Reporting Limit         Analyzed Method Blank         BS         % Recovery         True Value QC         RPD           Chloride         1570         16.0         06/08/2023         ND         432         108         400         0.00           TPH 8015M         mg/ky         Analyzed By: MS         Method Blank         BS         % Recovery         True Value QC         RPD           GRO C6-C10*         <10.0	Ethylbenzene*	<0.050	0.050	06/09/2023	ND	2.18	109	2.00	0.0263	
Surrogate: 4-Bromofluorobenzene (PID         113 % 71.5-134           Chloride, SM4500Cl-B         mg/kg         Analyzed By: AC           Analyte         Result Reporting Limit Analyzed Method Blank BS % Recovery         True Value QC RPD           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           GRO C6-C10*         < 10.0 10.0 06/08/2023 ND 190 95.2 200 0.208	Total Xylenes*	<0.150	0.150	06/09/2023	ND	6.45	108	6.00	0.0931	
Chloride, SM4500Cl-B         mg/kg         Analyzed By: AC           Analyte         Result Reporting Limit Analyzed Method Blank BS % Recovery True Value QC RPD           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           GRO C6-C10*         <10.0	Total BTEX	<0.300	0.300	06/09/2023	ND					
Analyte Result Reporting Limit Analyzed Method Blank BS % Recovery True Value QC RPD  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  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: 4-Bromofluorobenzene (PID	113	% 71.5-13	4						
Chloride         1570         16.0         06/08/2023         ND         432         108         400         0.00           TPH 8015M         mg/kg         Analyzed By: MS         WS         Method Blank         BS         % Recovery         True Value QC         RPD           GRO C6-C10*         <10.0	Chloride, SM4500CI-B	mg	/kg	Analyze	ed By: AC					
TPH 8015M         mg/kg         Analyzed By: MS           Analyte         Result         Reporting Limit         Analyzed         Method Blank         BS         % Recovery         True Value QC         RPD           GRO C6-C10*         <10.0	Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Analyte Result Reporting Limit Analyzed Method Blank BS % Recovery True Value QC RPD  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	Chloride	1570	16.0	06/08/2023	ND	432	108	400	0.00	
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	TPH 8015M	mg	/kg	Analyze	ed By: MS					
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	Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
EXT DRO >C28-C36 <10.0 10.0 06/08/2023 ND  Surrogate: 1-Chlorooctane 93.2 % 48.2-134	GRO C6-C10*	<10.0	10.0	06/08/2023	ND	190	95.2	200	0.208	
Surrogate: 1-Chlorooctane 93.2 % 48.2-134	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-Chlorooctadecane 106 % 49.1-148	Surrogate: 1-Chlorooctane	93.2	% 48.2-13	4						
	Surrogate: 1-Chlorooctadecane	106	% 49.1-14	8						

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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 Sampling Date: 06/06/2023

Reported: 06/13/2023 Sampling Type: Soil

Project Name: MITCHELLSWD Sampling Condition: Cool & Intact
Project Number: 700438.307.01 Sample Received By: Shalyn Rodriguez

Analyzed By: 1H /

Project Location: EOG - EDDY COUNTY

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

RTFY 8021R

B1EX 8021B	mg	/ kg	Anaiyze	ea 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 5	% 71.5-13-	4						
Chloride, SM4500Cl-B	mg,	/kg	Analyze	ed 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	Analyze	ed 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	% 48.2-13-	4						
Surrogate: 1-Chlorooctadecane	99.6	% 49.1-14	8						

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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 Sampling Date: 06/06/2023

Reported: 06/13/2023 Sampling Type: Soil

Project Name: MITCHELLSWD Sampling Condition: Cool & Intact
Project Number: 700438.307.01 Sample Received By: Shalyn Rodriguez

Analyzed By: 1H /

Project Location: EOG - EDDY COUNTY

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

RTFY 8021R

B1EX 8021B	mg,	/ Kg	Anaiyze	ea 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 (P.	ID 114 9	% 71.5-13	34						
Chloride, SM4500CI-B	mg,	/kg	Analyze	ed 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	Analyze	ed 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	% 48.2-13	34						
Surrogate: 1-Chlorooctadecane	98.0	% 49.1-14	18						
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Celeg D. Freene



### Analytical Results For:

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

Received: 06/07/2023 Sampling Date: 06/06/2023

Reported: 06/13/2023 Sampling Type: Soil

Project Name: MITCHELLSWD Sampling Condition: Cool & Intact Sample Received By: Project Number: 700438.307.01 Shalyn Rodriguez

**EOG - EDDY COUNTY** Project Location:

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

BTEX 8021B	mg/	kg	Analyze	d 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 9	71.5-13	4						
Chloride, SM4500Cl-B	mg/	kg	Analyze	d 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	Analyze	d 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	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	66.6	% 49.1-14	8						

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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 Sampling Date: 06/06/2023

Reported: 06/13/2023 Sampling Type: Soil

Project Name: MITCHELLSWD Sampling Condition: Cool & Intact
Project Number: 700438.307.01 Sample Received By: Shalyn Rodriguez

Analyzed By: 1H /

Project Location: EOG - EDDY COUNTY

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

RTFY 8021R

BIEX 8021B	mg,	кg	Anaiyze	a 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 9	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	/kg	Analyze	d 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	Analyze	d 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	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	67.7	% 49.1-14	8						

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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 Sampling Date: 06/06/2023

Reported: 06/13/2023 Sampling Type: Soil

Project Name: MITCHELLSWD Sampling Condition: Cool & Intact
Project Number: 700438.307.01 Sample Received By: Shalyn Rodriguez

Analyzed By: 1H /

Project Location: EOG - EDDY COUNTY

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

RTFY 8021R

BIEX 8021B	mg	/ <b>kg</b>	Anaiyze	ea 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	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	/kg	Analyze	ed 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	Analyze	ed 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	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	69.6	% 49.1-14	8						

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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 Sampling Date: 06/06/2023

Reported: 06/13/2023 Sampling Type: Soil

Project Name: MITCHELLSWD Sampling Condition: Cool & Intact Sample Received By: Project Number: 700438.307.01 Shalyn Rodriguez

Project Location: **EOG - EDDY COUNTY** 

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

BTEX 8021B	mg/	/kg	Analyze	d 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 9	% 71.5-13	4						
Chloride, SM4500Cl-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	Analyze	d 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	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	53.7	% 49.1-14	8						

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06/06/2023

### Analytical Results For:

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

Received: 06/07/2023 Sampling Date:

Reported: 06/13/2023 Sampling Type: Soil

Project Name: MITCHELLSWD Sampling Condition: Cool & Intact
Project Number: 700438.307.01 Sample Received By: Shalyn Rodriguez

Project Location: EOG - EDDY COUNTY

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

BTEX 8021B	mg	/kg	Analyze	ed 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	% 71.5-13	4						
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	Analyze	ed 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	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	66.8	% 49.1-14	8						

### Cardinal Laboratories \*=Accredited Analyte

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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 Sampling Date: 06/06/2023

Reported: 06/13/2023 Sampling Type: Soil

Project Name: MITCHELLSWD Sampling Condition: Cool & Intact Sample Received By: Project Number: 700438.307.01 Shalyn Rodriguez

Project Location: **EOG - EDDY COUNTY** 

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

BTEX 8021B	mg/	kg	Analyze	d 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 9	% 71.5-13	4						
Chloride, SM4500Cl-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	Analyze	d 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	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	57.4	% 49.1-14	8						

Cardinal Laboratories \*=Accredited Analyte

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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 Sampling Date: 06/06/2023

Reported: 06/13/2023 Sampling Type: Soil

Project Name: MITCHELLSWD Sampling Condition: Cool & Intact Project Number: 700438.307.01 Sample Received By: Shalyn Rodriguez

Project Location: **EOG - EDDY COUNTY** 

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

BTEX 8021B	mg,	/kg	Analyze	d 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 9	% 71.5-13	4						
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	Analyze	d 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	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	92.6	% 49.1-14	8						

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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 Sampling Date: 06/06/2023

Reported: 06/13/2023 Sampling Type: Soil

Project Name: MITCHELLSWD Sampling Condition: Cool & Intact Project Number: 700438.307.01 Sample Received By: Shalyn Rodriguez

Project Location: **EOG - EDDY COUNTY** 

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

BTEX 8021B	mg/	/kg	Analyze	d 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 9	% 71.5-13	4						
Chloride, SM4500Cl-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	Analyze	d 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	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	58.4	% 49.1-14	8						

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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 Sampling Date: 06/06/2023

Reported: 06/13/2023 Sampling Type: Soil

Project Name: MITCHELLSWD Sampling Condition: Cool & Intact Project Number: 700438.307.01 Sample Received By: Shalyn Rodriguez

Project Location: **EOG - EDDY COUNTY** 

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

BTEX 8021B	mg,	/kg	Analyze	d 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	112 5	% 71.5-13	4						
Chloride, SM4500Cl-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	Analyze	d 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	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	114 9	% 49.1-14	8						

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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 Sampling Date: 06/06/2023

Reported: 06/13/2023 Sampling Type: Soil

Project Name: MITCHELLSWD Sampling Condition: Cool & Intact Sample Received By: Project Number: 700438.307.01 Shalyn Rodriguez

Project Location: **EOG - EDDY COUNTY** 

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

BTEX 8021B	mg/	kg	Analyze	d 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	112 9	6 71.5-13	4						
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	Analyze	d 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	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	81.6	% 49.1-14	8						

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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 Sampling Date: 06/06/2023

Reported: 06/13/2023 Sampling Type: Soil

Project Name: MITCHELLSWD Sampling Condition: Cool & Intact Project Number: 700438.307.01 Sample Received By: Shalyn Rodriguez

Project Location: **EOG - EDDY COUNTY** 

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

BTEX 8021B	mg/	/kg	Analyze	d 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 5	% 71.5-13	4						
Chloride, SM4500Cl-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	Analyze	d 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	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	52.9	% 49.1-14	8						

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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 Sampling Date: 06/06/2023

Reported: 06/13/2023 Sampling Type: Soil

Project Name: MITCHELLSWD Sampling Condition: Cool & Intact
Project Number: 700438.307.01 Sample Received By: Shalyn Rodriguez

Analyzed By: 1H /

Project Location: EOG - EDDY COUNTY

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

RTFY 8021R

BIEX 8021B	mg	/ <b>kg</b>	Anaiyze	ea 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	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	/kg	Analyze	ed 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	Analyze	ed 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	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	63.4	% 49.1-14	8						

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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 Sampling Date: 06/06/2023

Reported: 06/13/2023 Sampling Type: Soil

Project Name: MITCHELLSWD Sampling Condition: Cool & Intact
Project Number: 700438.307.01 Sample Received By: Shalyn Rodriguez

Analyzed By: 1H /

Project Location: EOG - EDDY COUNTY

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

RTFY 8021R

BIEX 8021B	mg	/кд	Anaiyze	a 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	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	/kg	Analyze	d 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	Analyze	d 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	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	52.6	% 49.1-14	8						

Cardinal Laboratories \*=Accredited Analyte

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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 Sampling Date: 06/06/2023

Reported: 06/13/2023 Sampling Type: Soil

Project Name: MITCHELLSWD Sampling Condition: Cool & Intact Project Number: 700438.307.01 Sample Received By: Shalyn Rodriguez

Project Location: **EOG - EDDY COUNTY** 

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

BTEX 8021B	mg,	/kg	Analyze	d 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 9	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	/kg	Analyze	d 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	Analyze	d 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	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	124	% 49.1-14	8						

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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 Sampling Date: 06/06/2023

Reported: 06/13/2023 Sampling Type: Soil

Project Name: MITCHELLSWD Sampling Condition: Cool & Intact Project Number: 700438.307.01 Sample Received By: Shalyn Rodriguez

Project Location: **EOG - EDDY COUNTY** 

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

BTEX 8021B	mg/	kg	Analyze	d 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 9	% 71.5-13	4						
Chloride, SM4500CI-B	mg/	'kg	Analyze	d 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	Analyze	d 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	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	63.3	% 49.1-14	8						

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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 Sampling Date: 06/06/2023

Reported: 06/13/2023 Sampling Type: Soil

Project Name: MITCHELLSWD Sampling Condition: Cool & Intact Project Number: 700438.307.01 Sample Received By: Shalyn Rodriguez

Project Location: **EOG - EDDY COUNTY** 

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

BTEX 8021B	mg/	/kg	Analyze	d 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 9	% 71.5-13	4						
Chloride, SM4500CI-B	mg/	'kg	Analyze	d 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	Analyze	d 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	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	68.8	% 49.1-14	8						

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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 Sampling Date: 06/06/2023

Reported: 06/13/2023 Sampling Type: Soil Project Name: MITCHELLSWD Sampling Condition:

Cool & Intact Project Number: 700438.307.01 Sample Received By: Shalyn Rodriguez

Project Location: **EOG - EDDY COUNTY** 

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

BTEX 8021B	mg/	kg	Analyze	d 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 9	% 71.5-13	4						
Chloride, SM4500CI-B	mg/	'kg	Analyze	d 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	Analyze	d 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	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	76.9	% 49.1-14	8						

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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 Sampling Date: 06/06/2023

Reported: 06/13/2023 Sampling Type: Soil

Project Name: MITCHELLSWD Sampling Condition: Cool & Intact Project Number: 700438.307.01 Sample Received By: Shalyn Rodriguez

Project Location: **EOG - EDDY COUNTY** 

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

BTEX 8021B	mg,	/kg	Analyze	d 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	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	'kg	Analyze	d 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	Analyze	d 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	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	70.5	% 49.1-14	8						

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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 Sampling Date: 06/06/2023

Reported: 06/13/2023 Sampling Type: Soil

Project Name: MITCHELLSWD Sampling Condition: Cool & Intact
Project Number: 700438.307.01 Sample Received By: Shalyn Rodriguez

Project Location: EOG - EDDY COUNTY

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

BTEX 8021B	mg	/kg	Analyze	ed 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	106	% 71.5-13	4						
Chloride, SM4500Cl-B	mg	/kg	Analyze	ed 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	Analyze	ed 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	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	55.6	% 49.1-14	8						

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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 Sampling Date: 06/06/2023

Reported: 06/13/2023 Sampling Type: Soil

Project Name: MITCHELLSWD Sampling Condition: Cool & Intact Project Number: 700438.307.01 Sample Received By: Shalyn Rodriguez

Project Location: **EOG - EDDY COUNTY** 

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

BTEX 8021B	mg	/kg	Analyze	d 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	% 71.5-13	4						
Chloride, SM4500Cl-B	mg	/kg	Analyze	d 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	Analyze	d 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	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	116	% 49.1-14	'8						

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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 Sampling Date: 06/06/2023

Reported: 06/13/2023 Sampling Type: Soil

Project Name: MITCHELLSWD Sampling Condition: Cool & Intact
Project Number: 700438.307.01 Sample Received By: Shalyn Rodriguez

Analyzed By: 1H /

Project Location: EOG - EDDY COUNTY

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

RTFY 8021R

B1EX 8021B	mg	/ kg	Anaiyze	a 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	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	/kg	Analyze	d 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	Analyze	d 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	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	122	% 49.1-14	8						

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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 Sampling Date: 06/06/2023

Reported: 06/13/2023 Sampling Type: Soil

Project Name: MITCHELLSWD Sampling Condition: Cool & Intact
Project Number: 700438.307.01 Sample Received By: Shalyn Rodriguez

Analyzed By: 1H /

Project Location: EOG - EDDY COUNTY

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

RTFY 8021R

B1EX 8021B	mg	/ kg	Anaiyze	a 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	107	% 71.5-13-	4						
Chloride, SM4500Cl-B	mg,	/kg	Analyze	d 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	Analyze	d 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	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	112	% 49.1-14	8						

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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 Sampling Date: 06/06/2023

Reported: 06/13/2023 Sampling Type: Soil

Project Name: MITCHELLSWD Sampling Condition: Cool & Intact Project Number: 700438.307.01 Sample Received By: Shalyn Rodriguez

Project Location: **EOG - EDDY COUNTY** 

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

BTEX 8021B	mg/	'kg	Analyze	d 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 9	% 71.5-13	4						
Chloride, SM4500CI-B	mg/	'kg	Analyze	d 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	Analyze	d 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	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	96.7	% 49.1-14	8						

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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 Sampling Date: 06/06/2023

Reported: 06/13/2023 Sampling Type: Soil

Project Name: MITCHELLSWD Sampling Condition: Cool & Intact Project Number: 700438.307.01 Sample Received By: Shalyn Rodriguez

Project Location: **EOG - EDDY COUNTY** 

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

BTEX 8021B	mg/	/kg	Analyze	d 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 9	% 71.5-13	4						
Chloride, SM4500CI-B	mg/	'kg	Analyze	d 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	Analyze	d 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	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	86.6	% 49.1-14	8						

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06/06/2023

### Analytical Results For:

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

Received: 06/07/2023 Sampling Date:

Reported: 06/13/2023 Sampling Type: Soil

Project Name: MITCHELLSWD Sampling Condition: Cool & Intact
Project Number: 700438.307.01 Sample Received By: Shalyn Rodriguez

Project Location: EOG - EDDY COUNTY

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

BTEX 8021B	mg	/kg	Analyze	ed 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	% 71.5-13	4						
Chloride, SM4500Cl-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	Analyze	ed 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	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	127	% 49.1-14	8						

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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 Sampling Date: 06/06/2023

Reported: 06/13/2023 Sampling Type: Soil

Project Name: MITCHELLSWD Sampling Condition: Cool & Intact Sample Received By: Project Number: 700438.307.01 Shalyn Rodriguez

Project Location: **EOG - EDDY COUNTY** 

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

BTEX 8021B	mg/	'kg	Analyze	ed 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*	0.088	0.050	06/12/2023	ND	2.20	110	2.00	1.81	VC1, QM-07, Q
Total Xylenes*	0.701	0.150	06/12/2023	ND	6.55	109	6.00	1.90	VC1, QM-07, Q
Total BTEX	0.789	0.300	06/12/2023	ND					GC-NC1
Surrogate: 4-Bromofluorobenzene (PID	126 9	% 71.5-13	4						
Chloride, SM4500CI-B	mg/	'kg	Analyze	ed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	4880	16.0	06/08/2023	ND	416	104	400	3.77	
TPH 8015M	mg/	kg	Analyze	ed By: MS					S-06
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*	8480	100	06/09/2023	ND	184	92.2	200	7.38	
EXT DRO >C28-C36	3330	100	06/09/2023	ND					
Surrogate: 1-Chlorooctane	86.8	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	212 9	% 49.1-14	8						

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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 Sampling Date: 06/06/2023

Reported: 06/13/2023 Sampling Type: Soil

Project Name: MITCHELLSWD Sampling Condition: Cool & Intact
Project Number: 700438.307.01 Sample Received By: Shalyn Rodriguez

Applyzod By: MC

Project Location: EOG - EDDY COUNTY

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

RTFY 8021R

B1EX 8021B	mg	/ kg	Anaiyze	а ву: м5					
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	% 71.5-13	4						
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	Analyze	ed 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	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	93.9	% 49.1-14	8						

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06/06/2023

### Analytical Results For:

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

Received: 06/07/2023 Sampling Date:

Reported: 06/13/2023 Sampling Type: Soil

Project Name: MITCHELLSWD Sampling Condition: Cool & Intact
Project Number: 700438.307.01 Sample Received By: Shalyn Rodriguez

Project Location: EOG - EDDY COUNTY

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

BTEX 8021B	mg	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	% 71.5-13	4						
Chloride, SM4500Cl-B	mg	/kg	Analyze	d 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	Analyze	d 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	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	103	% 49.1-14	18						

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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
 Sampling Date:
 06/06/2023

 Reported:
 06/13/2023
 Sampling Type:
 Soil

Project Name: MITCHELLSWD Sampling Condition: Cool & Intact
Project Number: 700438.307.01 Sample Received By: Shalyn Rodriguez

Applyzod By: MC

Project Location: EOG - EDDY COUNTY

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

RTFY 8021R

B1EX 8021B	mg	кg	Апануге	а ву: мѕ					
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	% 71.5-13	4						
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	Analyze	d 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	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	103	% 49.1-14	8						

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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 Sampling Date: 06/06/2023

Reported: 06/13/2023 Sampling Type: Soil

Project Name: MITCHELLSWD Sampling Condition: Cool & Intact Sample Received By: Project Number: 700438.307.01 Shalyn Rodriguez

Project Location: **EOG - EDDY COUNTY** 

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

BTEX 8021B	mg/	kg	Analyze	d 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	% 71.5-13	4						
Chloride, SM4500CI-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	Analyze	d 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 9	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	140 9	% 49.1-14	8						

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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 Sampling Date: 06/06/2023

Reported: 06/13/2023 Sampling Type: Soil

Project Name: MITCHELLSWD Sampling Condition: Cool & Intact Sample Received By: Project Number: 700438.307.01 Shalyn Rodriguez

Applyzod By: MC

Project Location: **EOG - EDDY COUNTY** 

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

RTFY 8021R

B1EX 8021B	mg,	кg	Anaiyze	а ву: м5					
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 5	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	/kg	Analyze	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	Analyze	d 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	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	111 9	% 49.1-14	8						

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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 Sampling Date: 06/06/2023

Reported: 06/13/2023 Sampling Type: Soil

Project Name: MITCHELLSWD Sampling Condition: Cool & Intact Project Number: 700438.307.01 Sample Received By: Shalyn Rodriguez

Project Location: **EOG - EDDY COUNTY** 

### 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	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	'kg	Analyze	d 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	Analyze	d 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	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	73.9	% 49.1-14	8						

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06/06/2023

### Analytical Results For:

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

Received: 06/07/2023 Sampling Date:

Reported: 06/13/2023 Sampling Type: Soil

Project Name: MITCHELLSWD Sampling Condition: Cool & Intact
Project Number: 700438.307.01 Sample Received By: Shalyn Rodriguez

Analyzed By: MC

Project Location: EOG - EDDY COUNTY

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

RTFY 8021R

BIEX 8021B	mg	/ kg	Anaiyze	а ву: м5					
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	% 71.5-13	4						
Chloride, SM4500Cl-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	Analyze	d 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	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	128	% 49.1-14	8						

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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 Sampling Date: 06/06/2023

Reported: 06/13/2023 Sampling Type: Soil

Project Name: MITCHELLSWD Sampling Condition: Cool & Intact
Project Number: 700438.307.01 Sample Received By: Shalyn Rodriguez

Analyzed By: MS

Project Location: EOG - EDDY COUNTY

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

BTEX 8021B

	9/	9	7	7					
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	% 71.5-13	4						
Chloride, SM4500Cl-B	mg,	/kg	Analyze	d 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	Analyze	d 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	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	92.6	% 49.1-14	8						

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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 Sampling Date: 06/06/2023

Reported: 06/13/2023 Sampling Type: Soil

Project Name: MITCHELLSWD Sampling Condition: Cool & Intact Project Number: 700438.307.01 Sample Received By: Shalyn Rodriguez

Analyzed By: MS

Project Location: **EOG - EDDY COUNTY** 

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

BTEX 8021B

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	% 71.5-13	4						
Chloride, SM4500Cl-B	mg/	'kg	Analyze	d 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	Analyze	d 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 9	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	111 9	% 49.1-14	8						

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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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Celeg D. Freene



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

company name: I alon LPE	<b>8</b>	BILL TO		ANALYSIS REQUEST
Project Manager:	P.O. #:			- 1
Address: 408 W. Texas Ave	pany	EOG		
State: NM	zip: 88210 Attn.J.Haass	ass		
Project #: 700438.307.01 Project Owner: (	EOG city:			
Project Name: MitchellSWD	State:	Zip:		
Project Location: EddyCounty	Phone #:			
Sampler Name: N.ROSE	Fax #:			
FOR LAB USE ONLY	MATRIX PRESERV	. SAMPLING		
Lab I.D. Sample I.D.	R: BASE: OOL			
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communication community and certain seculative retrieuty for any those for negligence and any other cause whatsoever shall be de final be liable for incidental or consequential damages, including w out of or related to the performance of services hereunder by Car	arising whenier based in contract or tort, shall be limited walved unless made in writing and received by Cardinal limitation, business interruptions, bas of use, or loss of regardless of whether such claim is based upon any of the	to the amount paid by the client for the within 30 days after completion of the appl profits incurred by client, its subsidiaries, ne above stated reasons or otherwise.	licable X SR	Ru7-23
	Received By:	Phone Result:	☐ Yes ☐ No	Add'l Phone #: Add'l Fax #:
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Time:

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### CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

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

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company vame.	I alon LPE		DILL IO				
Project Manager: C.	C. Hensley		P.O. #:				
Address: 408			Company: EOG				_
city: Artesia		State: NM zip: 88210	Attn-J. Haass				
Phone #: 575.746.8768	F		Address:				
Project #: 70	10,50	Project Owner: EOG	City:				
Project Name:	Mitchellswi		State: Zip:				
Project Location	Project Location: EddyCounty		Phone #:				
Sampler Name: N.	N. Rose		Fax #:				
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T	C-15	-	<	1 9560	9		
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PLEASE NOTE: Liability an analyses. All claims includir Ossirvice. In no event shall Co	d Damages. Cardinal's liability and client's e ig those for negligence and any other cause ardinal be liable for incidental or consequent	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 of the policable can be used in contract or tort, shall be imited to the amount paid by the client for the policable can be used. 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 survice. In no event shall Cardinal be liable for incidental or consequental damages, including without multiplicable can be used. The property of the above stated seasons or otherwise.	ased in contract or tort, shall be limited to the amo be in writing and received by Cardinal within 30 da in let in writing and received by Cardinal within 30 da is interruptions, loss of use, or loss of profits incur to the state of the state of the shows at the state of the state of the state of the shows at the state of the state of the state of the shows at the state of the state o	ount paid by the client for the applicable ays after completion of the applicable red by client, its subsidiaries, and reasons or otherwise.			
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Relinquished By:		Date: Received By:					
Delivered By:	2						
	Sampler - UPS - Bus - Other:		No No No				

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

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		0	Received By:	Date:	Relinquished By
		and out REM	DE SERVE OF	Time: 1430	D: 6
□ No Add'l Phone #: □ No Add'l Fax #:	Phone Result: ☐ Yes	Phor Fax I	Received By:	Pate	Relinquished By:
	completion of the applicable ent, its subsidiaries, ons or otherwise.	nd received by Cardinal within 30 days after comple to loss of use, or loss of profits incurred by client, its is based upon any of the above stated reasons or	thall be deemed walved unless made in writing a ncluding without limitation, business interruptions have by Cardinal repardless of whether such clair	malyses. 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 sayings. 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 substitiates, including without limitation, business interruptions, loss of use, or loss of profits incurred by client, its substitiates, including without limitation, business interruptions, loss of use, or loss of profits incurred by client, its substitiates, including without limitation, business interruptions, loss of use, or loss of profits incurred by client, its substitiates, including without limitation, business interruptions, based upon any of the above stated reasons or otherwise.	23 analyses. All claims including opening of the company of the co
	client for the	ed in contract or tort, shall be limited to the amount paid by the client for the	edy for any claim arising whether based in contra	C-42  U   C   C   C   C   C   C   C   C   C	PLEASE NOTE: Liability ar
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			VATER		
		PRESERV. SAMPLING	MATRIX		FOR LAB USE ONLY
		Fax #:		N.ROSE	Sampler Name:
		Phone #:		roject Location: EddyCounty	<b>Froject Location</b>
		State: Zip:		roject Name: EOGMitchell	Project Name: E
		City:	vner:	438.307.01 Project Owner:	Project #: 700438.307.01
		Address:		.746.8768 Fax #:	Phone #: 575.746.8768
	-	AttnJ.Haass	NM zip: 88210	State:	city: Artesia
		Company: EOG		408 W. Texas Ave	Address: 408
		P.O. #:			Project Manager:
ANALYSIS REQUEST		BILL TO		Talon LPE	Company Name:

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101 East Marland, Hobbs, NM 88240

Company Name: Talon LPE Project Manager: C. Hensle	Talon LPE C. Hensley	P.O. #.	<b>BILL TO</b> P.O. #:			ANALYSIS REQUEST
city: Artesia	State: NM zi	zip: 88210 Attn-J	Attn-J.Haass			
CD		Address:	ess:			
Project #: 700438.307.01	07.01 Project Owner: EOG	OG city:				
Project Name: MitchellSWD	U	State:	: Zip:			
Project Location: EddyCounty	yCounty	Phone #:	e #:			
Sampler Name: N. Rose	se	Fax				
_		MATRIX	PRESERV. SAMPLING			
	(C)OMP	ERS ATER TER				
Lab I.D.	Sample I.D.	CONTAINE COUNDWA ASTEWAT	E/COOL THER:	CL BTEX	ГРН	
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affiliates or successors arising out of or related to the performant Relinquished By:	valated to the performance of services hereunder by Card	Received By:	upon any or one above second reasons of Pho		□ No	Add'l Phone #: Add'l Fax #:
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Sampler - UPS - Bus - Other:	- Other: 1-8: #115	No No	000			

1 A--di-al annual accord worked channes Blooce for written channes to IETE 202-2226

101 East Marland, Hobbs, NM 88240

(575) 393-2326 FAX (575) 393-2476		
Company Name: Talon LPE	BILL TO	ANALTSIS REGOEST
Project Manager: C. Hensley	P.O. #:	
Address: 408 W. Texas Ave	Company: EUG	
city: Artesia state: NM zip: 88210		
Phone #: 575.746.8768 Fax #:	Address:	
Project #: 700438.307.01 Project owner: EOG	City:	
U	State: Zip:	
Project Location: EddyCounty	Phone #:	
Sampler Name: N. Rose	1	
FOR LAB USE ONLY	MATRIX PRESERV. SAMPLING	ING
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PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising whether based in contract or fort, shall be limited to the arising three properties.  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 applica cause.  All claims including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal which 30 days after completion of the applica cause whatsoever shall be deemed waived unless made in writing and received by Cardinal waived unless made in writing and received by Cardinal waived which are caused with the properties of whether such plain is based upon any of the above stated reasons or otherwise.	y whether based in contract or fort, small be limited to the encounty unless made in writing and received by Cardinal within 30 days at on, business interruptions, loss of use, or loss of profits incurred by less of whether such claim is based upon any of the above statled to the profits of the profit	ble
Relinquished By:  Relinquished By:  Received Relinquished By:  Received Received Received Relinquished Received	ed By:	Phone Result: Yes No Add'l Phone #:  Fax Result: Yes No Add'l Fax #:
Time:  CRelinquished By:  Date:  Received By:	RODUGULE)	
Delivered By: (Circle One) 2.4:)(3 0.00:	Sample Condition CHECKED BY: Cool Intact Cool Intact Pes Yes No No No	
0 : 0		

Caudiant assent assent workel shennes Blooce for written shennes to IETE 202-2226



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 <a href="https://www.tceq.texas.gov/field/ga/lab">www.tceq.texas.gov/field/ga/lab</a> accred certif.html.

Cardinal Laboratories is accreditated 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.

Celey D. Keene

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,

Celey D. Keene

Lab Director/Quality Manager



### Analytical Results For:

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

Received: 06/14/2023 Sampling Date: 06/13/2023
Reported: 06/19/2023 Sampling Type: Soil

Project Name: MITCHELLSWD Sampling Condition: Cool & Intact
Project Number: 700438.307.01 Sample Received By: Shalyn Rodriguez

Project Location: EOG - EDDY COUNTY

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

BTEX 8021B	mg/	/kg	Analyze	d 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	95.7	% 71.5-13	4						
Chloride, SM4500Cl-B	mg/	/kg	Analyze	d 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	Analyze	d 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	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	87.1	% 49.1-14	8						

Cardinal Laboratories \*=Accredited Analyte

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Celey D. Keene



### **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  $6^{\circ}\text{C}$ 

Samples reported on an as received basis (wet) unless otherwise noted on report

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Celey D. Keene

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### CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

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

(575) 393-2326 FAX (575) 393-2476							
Company Name: Talon LPE	5-6725	BILL TO				ANALYSIS REQUEST	
Project Manager: C. Hensley		P.O. #:					
Address: 408 W. Texas Ave	0	Company: EOG					
city: Artesia state: NM zip	zip: 88210	Attn: J. Haass					
Phone #: 575.746.8768 Fax #:		Address:					
Project #: 700438.307.0   Project Owner:	EOLY	City:					
Project Name: Mitchell SWD	6	State: Zip:					
Project Location: Eddy County		Phone #:					
		Fax #:					
	MATRIX	PRESERV. SAMPLING	u,				
Sample	# CONTAINERS GROUNDWATER WASTEWATER SOIL OIL SLUDGE	OTHER: ACID/BASE: ICE / COOL OTHER:	CL	втех трн			
1 SW-2 4.5"	×	X 6-03	1040 X	×	7		
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TLEASE ROIE: Liability and Unitingles, Juditials lability and plants exclusive reliably to any variant energy and process of the process of t	ed waived unless made in writing and result in writing and result limitation, business interruptions, lost irecardless of whether such claim is	received by Cardinal within 30 days after oc ss of use, or loss of profits incurred by clier based upon any of the above stated reaso	in or otherwise.	ble			
Relinquished By:  Date: 14-23 Received By: Fax Result: Fax Result: REMARKS:	eceived By:	Out to the P	Phone Result: Fax Result: REMARKS:	☐ Yes	□ No	Add'l Phone #: Add'l Fax #:	
Relinquished By:  Date: R.  Time:	Received By:	2	THE AND O				
Delivered By: (Circle One) #//3 Sampler - UPS - Bus - Other: 0,86/	Sample Condition Cool Intact Yes Yes	CHECKED BY:					

Page 4 of 4



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 <a href="https://www.tceq.texas.gov/field/ga/lab">www.tceq.texas.gov/field/ga/lab</a> accred certif.html.

Cardinal Laboratories is accreditated 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.

Celey D. Keene

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,

Celey D. Keene

Lab Director/Quality Manager



### Analytical Results For:

TALON LPE
CHAD HENSLEY
408 W. TEXAS AVE.
ARTESIA NM, 88210
E2X To: (575) 745 800

Fax To: (575) 745-8905

Received: 06/14/2023 Sampling Date: 06/12/2023 Reported: 06/20/2023 Sampling Type: Soil

Project Name: MITCHELL SWD Sampling Condition: Cool & Intact
Project Number: 700438.307.01 Sample Received By: Shalyn Rodriguez

Applymed By MC

Project Location: EOG - EDDY COUNTY

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

DTEV 0021D

BTEX 8021B	mg	/kg	Analyze	d 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	% 71.5-13	4						
Chloride, SM4500Cl-B	mg	/kg	Analyze	d 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	Analyze	d 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	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	110	% 49.1-14	8						

Cardinal Laboratories \*=Accredited Analyte

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Celey & Keene



### Analytical Results For:

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

Received: 06/14/2023 Sampling Date: 06/12/2023

Reported: 06/20/2023 Sampling Type: Soil Project Name: MITCHELL SWD Sampling Condition: Coo

Project Name:MITCHELL SWDSampling Condition:Cool & IntactProject Number:700438.307.01Sample Received By:Shalyn RodriguezProject Location:EOG - EDDY COUNTY

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

BTEX 8021B	mg	/kg	Analyze	ed 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	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	/kg	Analyze	ed 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	Analyze	ed 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	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	128	% 49.1-14	'8						

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Celey D. Keine



### Analytical Results For:

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

Received: 06/14/2023 Sampling Date: 06/12/2023

Reported: 06/20/2023 Sampling Type: Soil

Project Name: MITCHELL SWD Sampling Condition: Cool & Intact
Project Number: 700438.307.01 Sample Received By: Shalyn Rodriguez

Analyzed By: 1H /

Project Location: EOG - EDDY COUNTY

ma/ka

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

RTFY 8021R

B1EX 8021B	mg	/ kg	Anaiyze	ea 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	% 71.5-13	4						
Chloride, SM4500Cl-B	mg,	/kg	Analyze	ed 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	Analyze	ed 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	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	132	% 49.1-14	8						

Cardinal Laboratories \*=Accredited Analyte

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Celey D. Keene



### Analytical Results For:

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

Received: 06/14/2023 Sampling Date: 06/12/2023

Reported: 06/20/2023 Sampling Type: Soil

Project Name: MITCHELL SWD Sampling Condition: Cool & Intact
Project Number: 700438.307.01 Sample Received By: Shalyn Rodriguez

Analyzed By: 1H /

Project Location: EOG - EDDY COUNTY

ma/ka

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

RTFY 8021R

B1EX 8021B	mg	кg	Anaiyze	a 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	% 71.5-13	4						
Chloride, SM4500Cl-B	mg,	/kg	Analyze	d 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	Analyze	d 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	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	97.4	% 49.1-14	8						

Cardinal Laboratories \*=Accredited Analyte

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Celey & Keene



### Analytical Results For:

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

Received: 06/14/2023 Sampling Date: 06/12/2023

Reported: 06/20/2023 Sampling Type: Soil Project Name: MITCHELL SWD Sampling Condition:

Cool & Intact Project Number: 700438.307.01 Sample Received By: Shalyn Rodriguez **EOG - EDDY COUNTY** 

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

Project Location:

BTEX 8021B	mg,	'kg	Analyze	d 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 9	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	/kg	Analyze	d 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	Analyze	d 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	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	84.2	% 49.1-14	8						

Cardinal Laboratories \*=Accredited Analyte

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Celey D. Keene



### Analytical Results For:

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

Received: 06/14/2023 Sampling Date: 06/12/2023

Reported: 06/20/2023 Sampling Type: Soil

Project Name: MITCHELL SWD Sampling Condition: Cool & Intact Sample Received By: Project Number: 700438.307.01 Shalyn Rodriguez

**EOG - EDDY COUNTY** Project Location:

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

BTEX 8021B	mg/	kg	Analyze	d 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 9	% 71.5-13	4						
aloride, SM4500Cl-B mg/kg		'kg	Analyze	d 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	Analyze	d 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	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	91.9	% 49.1-14	8						

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Celey D. Keine



### Analytical Results For:

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

Received: 06/14/2023 Sampling Date: 06/12/2023

Reported: 06/20/2023 Sampling Type: Soil

Project Name: MITCHELL SWD Sampling Condition: Cool & Intact
Project Number: 700438.307.01 Sample Received By: Shalyn Rodriguez

Analyzed By: 1H /

Project Location: EOG - EDDY COUNTY

ma/ka

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

RTFY 8021R

B1EX 8021B	mg	/ <b>kg</b>	Anaiyze	ea 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	% 71.5-13	4						
Chloride, SM4500Cl-B	mg	/kg	Analyze	ed 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	Analyze	ed 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	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	94.9	% 49.1-14	8						

Cardinal Laboratories \*=Accredited Analyte

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Celey D. Keene



### Analytical Results For:

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

Received: 06/14/2023 Sampling Date: 06/12/2023
Reported: 06/20/2023 Sampling Type: Soil

Project Name: MITCHELL SWD Sampling Condition: Cool & Intact
Project Number: 700438.307.01 Sample Received By: Shalyn Rodriguez

Analyzed By: 1H /

Project Location: EOG - EDDY COUNTY

ma/ka

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

RTFY 8021R

BIEX 8021B	mg	/ <b>kg</b>	Anaiyze	a 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	% 71.5-13	4						
Chloride, SM4500Cl-B	mg	/kg	Analyze	d 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	Analyze	d 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	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	102	% 49.1-14	8						

Cardinal Laboratories \*=Accredited Analyte

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Celey D. Keene



### **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

ecovery.

ND Analyte NOT DETECTED at or above the reporting limit

RPD Relative Percent Difference

\*\* Samples not received at proper temperature of 6°C or below.

\*\*\* Insufficient time to reach temperature.

- Chloride by SM4500Cl-B does not require samples be received at or below 6°C

Samples reported on an as received basis (wet) unless otherwise noted on report

Cardinal Laboratories \*=Accredited Analyte

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Celey D. Keene

Delivered By: (Circle One)
Sampler - UPS - Bus - Other:

Time:

Cardinal cannot account workel channes . Bleace fav written channes to IETE) 202\_222E

CHECKED BY:

### CARDINAL

# CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

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

Project Manager: C   I   PE	BILL TO	ANAI YSIS	
Hensley	P.O. #:		
Address: 408 W. Texas Ave	Company: EOG		
State: NM	Zip: 88210 Attn:/ Haass		
Phone #: 575.746.8768 Fax #:			
Project #: 700438.307.01 Project Owner: EOG			
Project Name: SWD Mitchell	State		
Project Location: Eddy County	Dhone #		
Sampler Name: N. ROSA	riiolle #:		
FOR LAB USE ONLY	Fax #:		
	MATRIX PRESERV. SAMPLING	LING	
	ERS ATER		
Sample I.D.	TAIN NDW EWAT SE R: ASE:		
Depth	# CON GROUI WASTE SOIL OIL SLUDG DTHER ACID/B, CE / CC	CL. BTEX IPH	
C-2/ 18' C	-\_\ \	?	L
V C-20	\		
UC-30		1313	
C-33		1322	
C-34		7	
) C-35		1334	
C-36		9	
		1358	
DI FASE NOTE: LIANS AND		I	
analyses. All claims including those for regigence and any other cause whatsoever shall be deemed white a position of the shall be limited to the amount paid by the client for the service. In no event shall Cardinal be liable for incidental or consequental damages, including whithout limitation, business made in writing and received by Cardinal within 30 days after completion of the applicable affiliates or successors arising out of or related to the performance of services hereunder by Cardinal, regardless of whether such claim is toward from an or of the above	im arising whether based in contract or tort, shall be limited to the amount pail of waived unless made in writing and received by Cardinal within 30 days after utilimitation, business interruptions, loss of use, or loss of profits incurred by c. I regardless of whether such claim is based in one more then becomes the contract by c.	id by the client for the ercompletion of the applicable client, its subsidiaries,	
1 Time. 14-23	Received By:	Phone Result:  Yes  No Add'I Phone #:  Fax Result: Yes  No Add'I Fax #-	
Relinquished By: Date: Re	Received By:		
			_

Page 11 of 11



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 <a href="https://www.tceq.texas.gov/field/ga/lab">www.tceq.texas.gov/field/ga/lab</a> accred certif.html.

Cardinal Laboratories is accreditated 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.

Celey D. Keene

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,

Celey D. Keene

Lab Director/Quality Manager



### 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	Analyze	d 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	% 71.5-13	4						
Chloride, SM4500Cl-B mg/kg		/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	Analyze	d 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	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	95.3	% 49.1-14	8						

### Cardinal Laboratories \*=Accredited Analyte

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Celey D. Keine



### Analytical Results For:

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

Received: 06/20/2023 Sampling Date: 06/19/2023

Reported: 06/21/2023 Sampling Type: Soil

Project Name: MITCHELL SWD Sampling Condition: Cool & Intact Sample Received By: Project Number: 700438.307.01 Tamara Oldaker

**EOG - EDDY COUNTY** Project Location:

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

BTEX 8021B	mg/	kg	Analyze	d 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 9	71.5-13	4						
Chloride, SM4500CI-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	Analyze	d 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	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	68.9	% 49.1-14	8						

### Cardinal Laboratories \*=Accredited Analyte

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Celey D. Keene



### **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

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Celeg D. Freene

# CHAIN-OF-CUSTODY AND ANALYSIS REQUEST



		- 0 . 5 · ·													_
Delivered By: (Circle One) Sampler - UPS - Bus - Other:	Relinquished By:	analyses. All claims including those for negligence and service. In no event shall Cardinal be liable for incidenta affiliates or successors arising out of or related to the period of	PLEASE NOTE: Liability and Damanes Cardinal's liabil	5h-7 2 0h-7	Lab I.D.         Sam           #233190	FOR LAB USE ONLY	Sampler Name: N.Z.	Project Location:	Project #: 100438.307.01	Phone #: 575-706-8768	city: Artesion	Address: 408 W. 7e	Project Manager: C. He	Company Name: /a lon	(575) 393-2326
Observed Temp. °C 2, 2	Time: Received By:	analyses. All claims including those for negligence and any other cause whatsoever shall be deemed withing unless made in writing and cerelved by Cardinal within 30 days after completion of the applied on the performance of services, in no event shall Cardinal be liable for incidental or consequental 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.  Received By:  Verbal Result:	PLEASE NOTE: Liability and Damanas Cardina's liability and clients are during and the specific state should be stated and the stated for the	6, 6	(G)RAB OR (C) # CONTAINER GROUNDWAT	S	38	Carrette	7.0/ Project Owner: 6047	Fax #:	State: N MZip:	exas our	costey	327	326 FAX (575) 393-2476
Sample Condition CHI Cool_Intact_ Yes Tyes	IBY:	lless made in writing and received by Card business interruptions, loss of use, or loss so whether such claim is based upon any 1 By:	A first front in the state of t	**	WASTEWATER SOIL OIL SLUDGE OTHER: ACID/BASE: C ICE / COOL		Fax #:	State:	67 City:	Address:	88210 Attn:	Company:	P.O. #:		
CHECKED BY: Turnaround Till (Initials) Thermometer ID	All Results are REMARKS:	inal within 30 days after completion of the application of the application of the application of the application of the above stated reasons or otherwise.  Verbal Result:	and to the emount mid by the effort i	1914	OTHER:	RV. SAMPLING		Zip:			THEASS	: E0G		BILL TO	
me: Standard	ilts are emailed. Please provide Email address:  KS: 24 Lw PuS L	of the applicable diaries, relies.  No Add'I Phone #:		X	·	×								ANALYSIS	
Bacteria (only) Sample Condition Cool Intact Observed Temp. °C  Yes Yes	5													REQUEST	



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 <a href="https://www.tceq.texas.gov/field/ga/lab">www.tceq.texas.gov/field/ga/lab</a> accred certif.html.

Cardinal Laboratories is accreditated 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.

Celey D. Keene

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,

Celey D. Keene

Lab Director/Quality Manager



### Analytical Results For:

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

Received: 06/23/2023 Sampling Date: 06/23/2023 Reported: 06/26/2023 Sampling Type: Soil

Project Name: EOG MITCHELL SWD Sampling Condition: \*\* (See Notes)
Project Number: 700438.307.01 Sample Received By: Tamara Oldaker

Project Location: EDDY COUNTY.RE.CEH

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

BTEX 8021B	mg,	/kg	Analyze	d 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	% 71.5-13	4						
Chloride, SM4500Cl-B		/kg	Analyze	d 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	Analyze	d 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	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	139	% 49.1-14	8						

Cardinal Laboratories \*=Accredited Analyte

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Celey D. Keene



### Analytical Results For:

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

Received: 06/23/2023 Sampling Date: 06/23/2023
Reported: 06/26/2023 Sampling Type: Soil

Project Name: EOG MITCHELL SWD Sampling Condition: \*\* (See Notes)
Project Number: 700438.307.01 Sample Received By: Tamara Oldaker

Analyzed By: MC

Project Location: EDDY COUNTY.RE.CEH

ma/ka

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

RTFY 8021R

BIEX 8021B	mg	/ <b>kg</b>	Anaiyze	а ву: м5					
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	% 71.5-13	4						
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	Analyze	ed 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	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	118	% 49.1-14	8						

### Cardinal Laboratories \*=Accredited Analyte

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Celey D. Keene



### Analytical Results For:

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

Received: 06/23/2023 Sampling Date: 06/23/2023
Reported: 06/26/2023 Sampling Type: Soil

Project Name: EOG MITCHELL SWD Sampling Condition: \*\* (See Notes)
Project Number: 700438.307.01 Sample Received By: Tamara Oldaker

Project Location: EDDY COUNTY.RE.CEH

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

BTEX 8021B	mg,	/kg	Analyze	d 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	% 71.5-13	4						
Chloride, SM4500Cl-B	mg,	/kg	Analyze	d 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	Analyze	d 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	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	124	% 49.1-14	8						

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Celey D. Keene



### **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

Cardinal Laboratories \*=Accredited Analyte

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Celeg D. Freene

### CARDINAL

## CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

101 East Marland, Hobbs, NM 88240 (575) 393-2326 FAX (575) 393-2476 Company Name: Talon LPF

	B/LL 70	ANALYSIS RECLIEST
Project Manager: C. Hensley		250000000000000000000000000000000000000
Address: 408 W. Texas Ave	company: EOG	
City: Artesia state: NM zip: 88210	AttnJ.Haass	
	Address:	
Project #: / UU438.307.01 Project 0wner: EOG	City:	
Project Name: EOG Mitchell	State: Zip:	
Project Location: Eddy County	#	
Sampler Name: N. Rose	Fax #:	
	DRESERV	
S ER R	SAMPLING	
G)RAB OR (C) CONTAINER GROUNDWATE WASTEWATER COIL	SLUDGE DTHER: CID/BASE: DE/COOL THER: DATE  DATE  BTEX TPH	
1	X 06232 1018 V	
C-30 4'	1007	
3C-36 18' C 1	1051	
service. In no event shall Cardinal be lable for incidental or consequental damages, including without firmfallor, because whatsoever shall be deemed waived unless made in writing and received by Cardinal which 30 days after completion of the applicable 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:   g and received by Cardinal within 30 days after completion of the applicable ones, or loss of profits incurred by client, its subsidiaries, aims is based upon any of the above stated reasons or otherwise.		
300	Fax Result: Yes No Ad	Add'l Fhone #: Add'l Fax #:
	dition CHECKED BY:  (Initials)  Yes  No	
es	o (575) 393-2326	



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 <a href="https://www.tceq.texas.gov/field/ga/lab">www.tceq.texas.gov/field/ga/lab</a> accred certif.html.

Cardinal Laboratories is accreditated 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.

Celey D. Keine

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,

Celey D. Keene

Lab Director/Quality Manager



### Analytical Results For:

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

Received: 06/29/2023 Sampling Date: 06/28/2023 Reported: 06/29/2023 Sampling Type: Soil

Project Name: MITCHELL Sampling Condition: Cool & Intact
Project Number: 700438.307.01 Sample Received By: Shalyn Rodriguez

Project Location: EOG - EDDY COUNTY

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

BTEX 8021B	mg	/kg	Analyze	d 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	% 71.5-13	4						
loride, SM4500CI-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	Analyze	d 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	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	102	% 49.1-14	8						

Cardinal Laboratories \*=Accredited Analyte

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Celeg D. Keene



### **Notes and Definitions**

ND Analyte NOT DETECTED at or above the reporting limit

RPD Relative Percent Difference

\*\* Samples not received at proper temperature of 6°C or below.

\*\*\* Insufficient time to reach temperature.

- Chloride by SM4500Cl-B does not require samples be received at or below 6°C

Samples reported on an as received basis (wet) unless otherwise noted on report

Cardinal Laboratories \*=Accredited Analyte

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Celey D. Keine

Delivered By: (Circle One)
Sampler - UPS - Bus - Other:

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

CHECKED BY:

24 Hour



## CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

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

Company Name: Talon LPE	Talon LPE		BILL TO		ANALYSIS DESCRIPT
Project Manager	Project Manager: C. Hensley		P.O. #:		
Address: 408	Address: 408 W. Texas Ave		Company: EOG		
city: Artesia		State: NM zip: 88210	Attn: J. Haass		
Phone #: 575.746.8768	746.8768 Fax #:		Address:		
Project #: 700438.307.01		Project Owner: EOG	City:		
Project Name: Mitchell			State: Zip:		,
roject Location	Project Location: Eddy County		#		
Sampler Name: N. Rose	V. Rose		Fax #:		
FOR LAB USE ONLY		MATRIX		_	
Lab I.D.	Sample I.D.	GROUNDWATER WASTEWATER SOIL OIL	SLUDGE OTHER: ACID/BASE: ICE / COOL OTHER: DATE	BTEX TPH	
0	C-32 4.5'	1	X 6/28/ <b>≥</b> 1	<	
EASE NOTE: Liability and (	Jamages. Cardinal's liability and client's exclusive	aremedy for any claim arising whether based in con	EASE 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 relient for the client for the	or the	
rvice. In no event shall Card	rice. In no event shall Cardinal be liable for incidental or consequental dama false or successors arising out of or related to the performance of services had	ever shall be deemed waived unless made in writing ges, including without limitation, business interruption ereunder by Cardinal, regardless of whether such cl	when the control of the processors arising out of or related to the performance of services hereufer by Cardinal, regardless of white performance of services services to no event shall cardinal be liable for incidental or consequental damages, including without imitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, including the control of the performance of services hereufer by Cardinal, regardless of whether such claims is based upon any of the above stated resoner or or hereufer.	the applicable aries,	
Celinquished By:	Date	Received By:	Phone Result:	sult:	Add'I Phone #: Add'I Fay #:
elinquished By:	Date:	Received By:	COMUNICATION REMARKS:		The II GA II.
		received by.			

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

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 234911

### **CONDITIONS**

Operator:	OGRID:
EOG RESOURCES INC	7377
P.O. Box 2267	Action Number:
Midland, TX 79702	234911
	Action Type:
	[C-141] Release Corrective Action (C-141)

### CONDITIONS

Created By		Condition Date
amaxwell	None	7/3/2023