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## Closure Report

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

## Prepared For:

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

## Prepared By:

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

**June 28, 2023**



**NMOCD**

506 W. Texas Ave  
Artesia, NM 88210

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

To Whom It May Concern,

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

**Site Information**

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

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

**Groundwater and Site Characterization**

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



|   |                     |
|---|---------------------|
| <b>Approximate Depth to Groundwater</b> | <b>105 feet bgs</b> |
|---|---------------------|

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

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

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



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### Incident Description

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

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

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

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

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

### Remedial Actions

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



Table 1  
Confirmation Samples

| Mitchell SWD #2                              |             |             |               |            |                                  |           |           |                 |                 |
|--|-------------|-------------|---------------|------------|----------------------------------|-----------|-----------|-----------------|-----------------|
| Sample ID                                    | Sample Date | Depth (BGS) | Benzene mg/kg | BTEX mg/kg | GRO mg/kg                        | DRO mg/kg | MRO mg/kg | Total TPH mg/kg | Chlorides mg/kg |
| NMOCD Table 1 Closure Criteria 19.15.29 NMAC |             |             | 10 mg/kg      | 50 mg/kg   | DRO + GRO combined = 1,000 mg/kg |           |           | 2,500 mg/kg     | 20,000 mg/kg    |
| C-1  | 6/7/23      | 4.5'        | ND            | ND         | ND                               | ND        | ND        | 0               | 2200            |
| C-2  | 6/7/23      | 4.5'        | ND            | ND         | ND                               | ND        | ND        | 0               | 2560            |
| C-3  | 6/7/23      | 4.5'        | ND            | ND         | ND                               | ND        | ND        | 0               | 2280            |
| C-4  | 6/7/23      | 4.5'        | ND            | ND         | ND                               | ND        | ND        | 0               | 1440            |
| C-5  | 6/7/23      | 4.5'        | ND            | ND         | ND                               | ND        | ND        | 0               | 1570            |
| C-6  | 6/7/23      | 4.5'        | ND            | ND         | ND                               | 21.7      | 11.5      | 33.2            | 1920            |
| C-7  | 6/7/23      | 4.5'        | ND            | ND         | ND                               | ND        | ND        | 0               | 2240            |
| C-8  | 6/7/23      | 4.5'        | ND            | ND         | ND                               | ND        | ND        | 0               | 400             |
| C-9  | 6/7/23      | 4.5'        | ND            | ND         | ND                               | ND        | ND        | 0               | 1230            |
| C-10   | 6/7/23      | 4.5'        | ND            | ND         | ND                               | ND        | ND        | 0               | 2560            |
| C-11   | 6/7/23      | 4.5'        | ND            | ND         | ND                               | ND        | ND        | 0               | 1960            |
| C-12   | 6/7/23      | 4.5'        | ND            | ND         | ND                               | 47.8      | 48.4      | 96.2            | 3760            |
| C-13   | 6/7/23      | 4.5'        | ND            | ND         | ND                               | ND        | ND        | 0               | 736             |
| C-14   | 6/7/23      | 4.5'        | ND            | ND         | ND                               | 28.2      | 10.6      | 38.8            | 6160            |
| C-15   | 6/7/23      | 4.5'        | ND            | ND         | ND                               | 130       | 42.6      | 172.6           | 1490            |
| C-16   | 6/7/23      | 4.5'        | ND            | ND         | ND                               | 341       | 122       | 463             | 3840            |
| C-17   | 6/7/23      | 4.5'        | ND            | ND         | ND                               | 336       | 124       | 460             | 6160            |
| C-18   | 6/7/23      | 4.5'        | ND            | ND         | ND                               | 67.2      | 18.9      | 86.1            | 760             |
| C-19   | 6/7/23      | 4.5'        | ND            | ND         | ND                               | ND        | ND        | 0               | 1720            |
| C-20   | 6/7/23      | 4.5'        | ND            | ND         | ND                               | ND        | ND        | 0               | 1800            |
| C-21   | 6/7/23      | 4.5'        | ND            | ND         | ND                               | 907       | 333       | 1240            | 4440            |
| C-22   | 6/7/23      | 4.5'        | ND            | ND         | ND                               | 138       | 42.9      | 180.9           | 3160            |
| C-23   | 6/7/23      | 4.5'        | ND            | ND         | ND                               | 333       | 109       | 442             | 5120            |
| C-24   | 6/7/23      | 4.5'        | ND            | ND         | ND                               | 389       | 159       | 548             | 4960            |
| C-25   | 6/7/23      | 4.5'        | ND            | ND         | ND                               | 123       | 41.8      | 164.8           | 6720            |
| C-26   | 6/7/23      | 4.5'        | ND            | ND         | ND                               | 107       | 49.6      | 156.6           | 3280            |
| C-27   | 6/14/23     | 18'         | ND            | ND         | ND                               | 64.1      | 17.6      | 81.7            | 2000            |
| C28SW  | 6/14/23     | 0-18'       | ND            | ND         | ND                               | 161       | 55.6      | 216.6           | 2200            |
| C-29   | 6/14/23     | 18'         | ND            | ND         | ND                               | 4170      | 1420      | 5590            | 3360            |
|  | 6/23/23     | 18'         | ND            | ND         | ND                               | 54.2      | ND        | 54.2            | 1570            |
| C30SW  | 6/14/23     | 0-18'       | ND            | ND         | ND                               | 1010      | 313       | 1323            | 4520            |
|  | 6/23/23     | 0-18'       | ND            | ND         | ND                               | ND        | ND        | 0               | 2320            |
| C-31   | 6/7/23      | 4.5'        | ND            | ND         | ND                               | 169       | 34.2      | 203.2           | 8240            |



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

**NOTES:**

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

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



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

### Excavation Summary

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

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

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



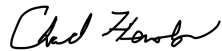
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### Closure

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

Respectfully submitted,

Talon/LPE



Chad Hensley  
Project Manager

#### Attachments:

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





## Appendix I

### Site Maps



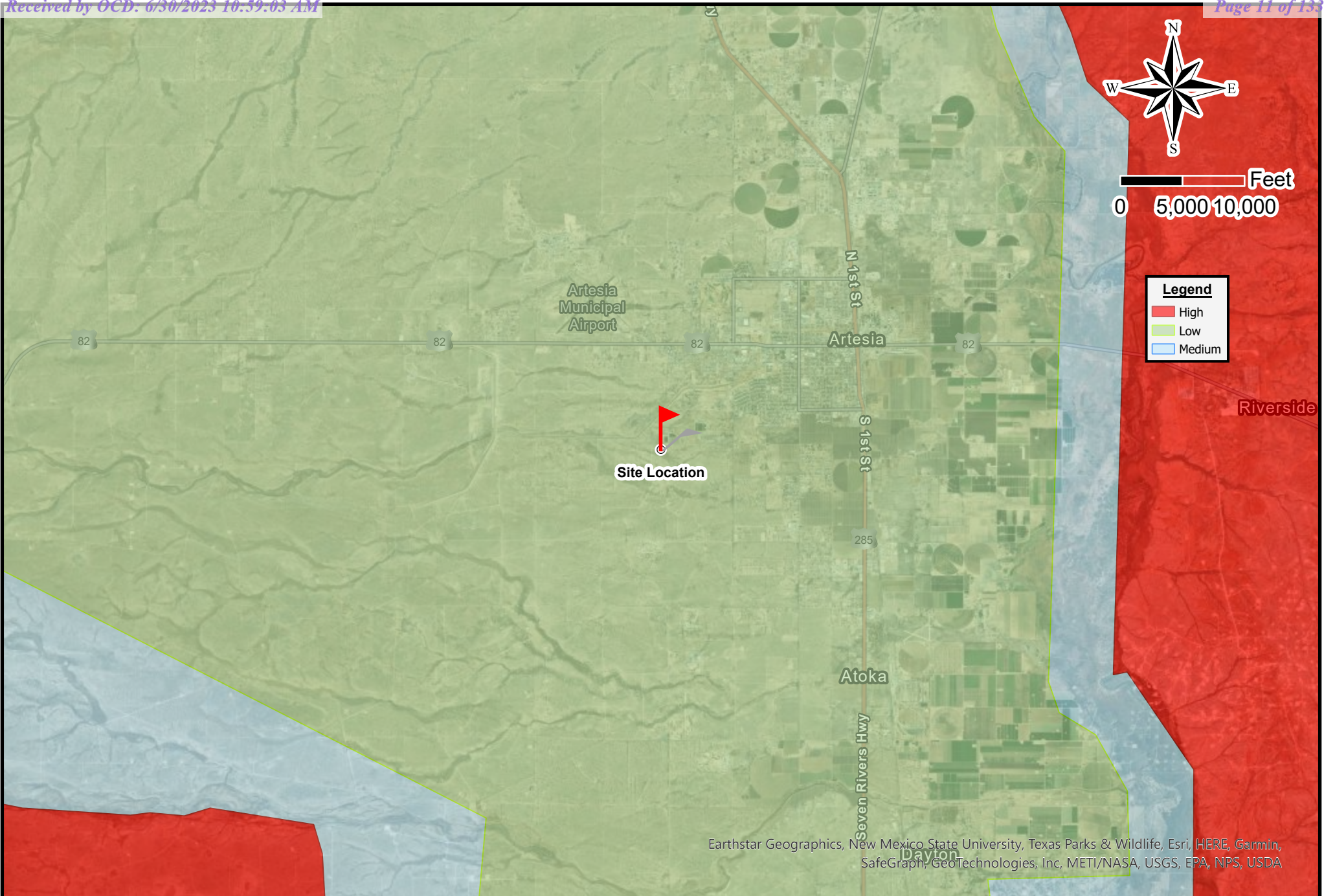


Drafted: 6/26/2023  
1 in = 50 ft  
Drafted By: IJR

Figure 1

EOG  
Mitchell SWD #2  
Eddy County, NM  
Confirmation Map

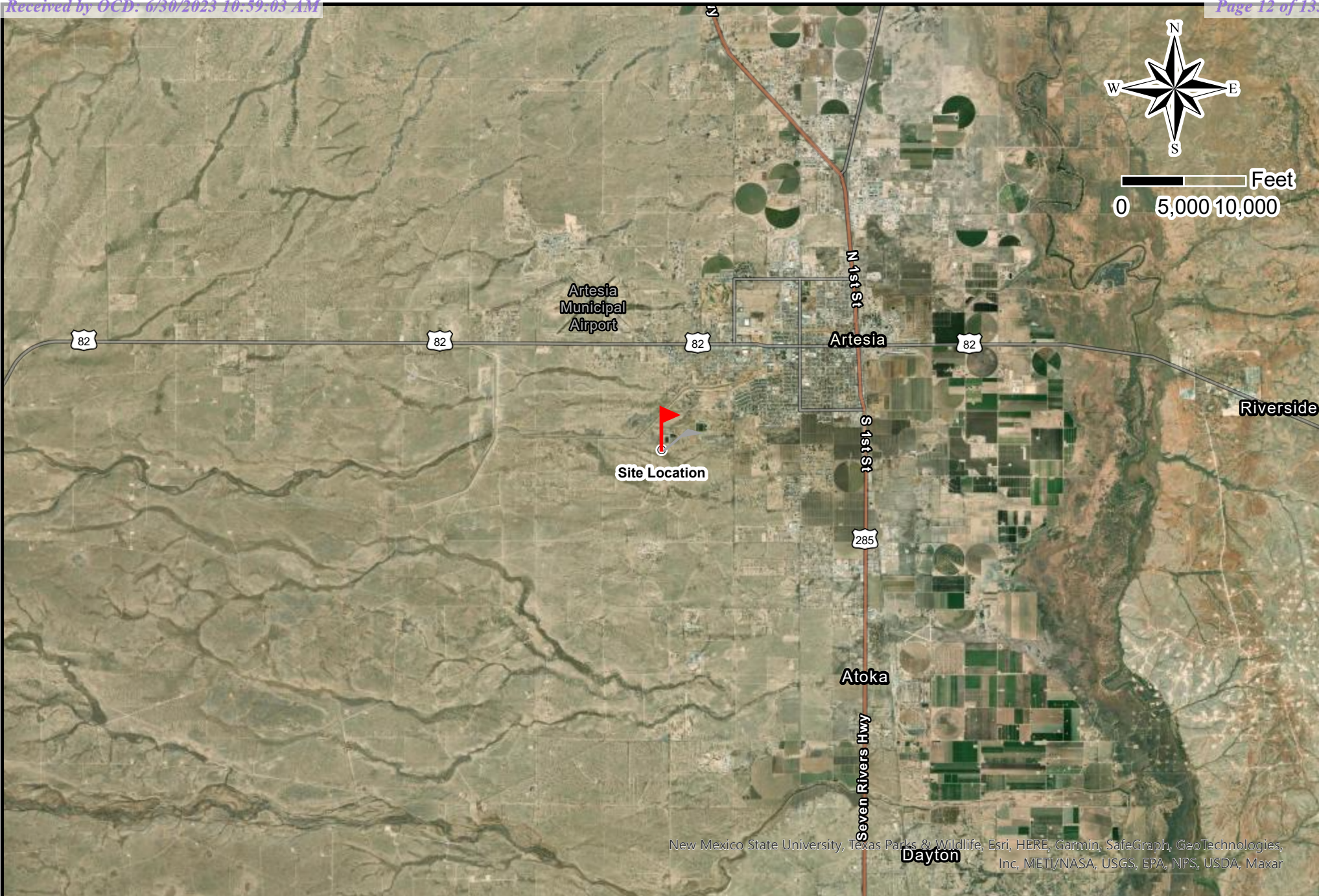




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1 in = 10,000 ft  
Drafted By: IJR

EOG  
Mitchell SWD #2  
Eddy County, NM  
Karst Map

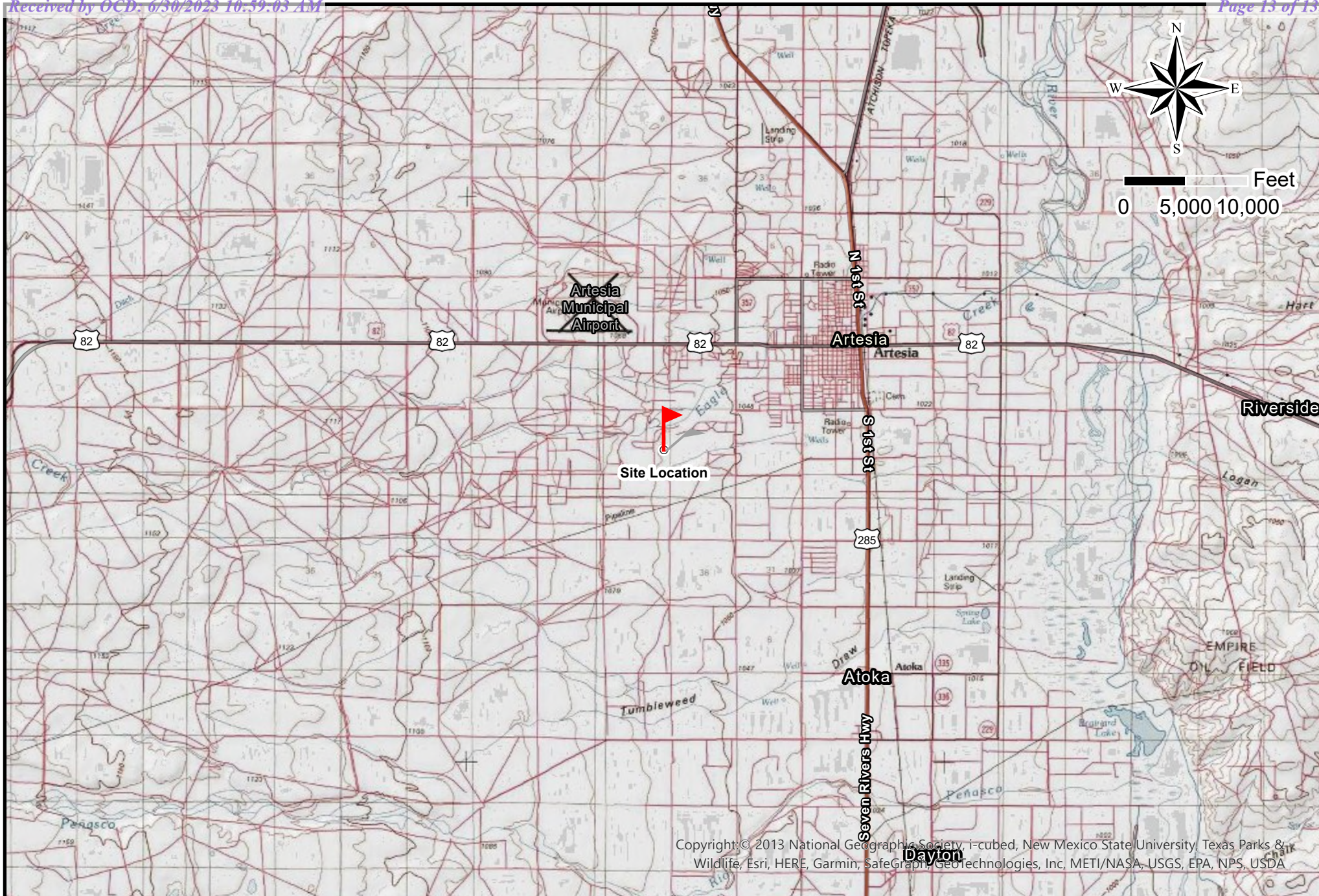




Drafted: 6/26/2023  
1 in = 10,000 ft  
Drafted By: IJR

EOG  
Mitchell SWD #2  
Eddy County, NM  
Location Map





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

EOG  
Mitchell SWD #2  
Eddy County, NM  
Topographic Map





## **Appendix II**

Groundwater Data

Soil Survey

FEMA Flood Map

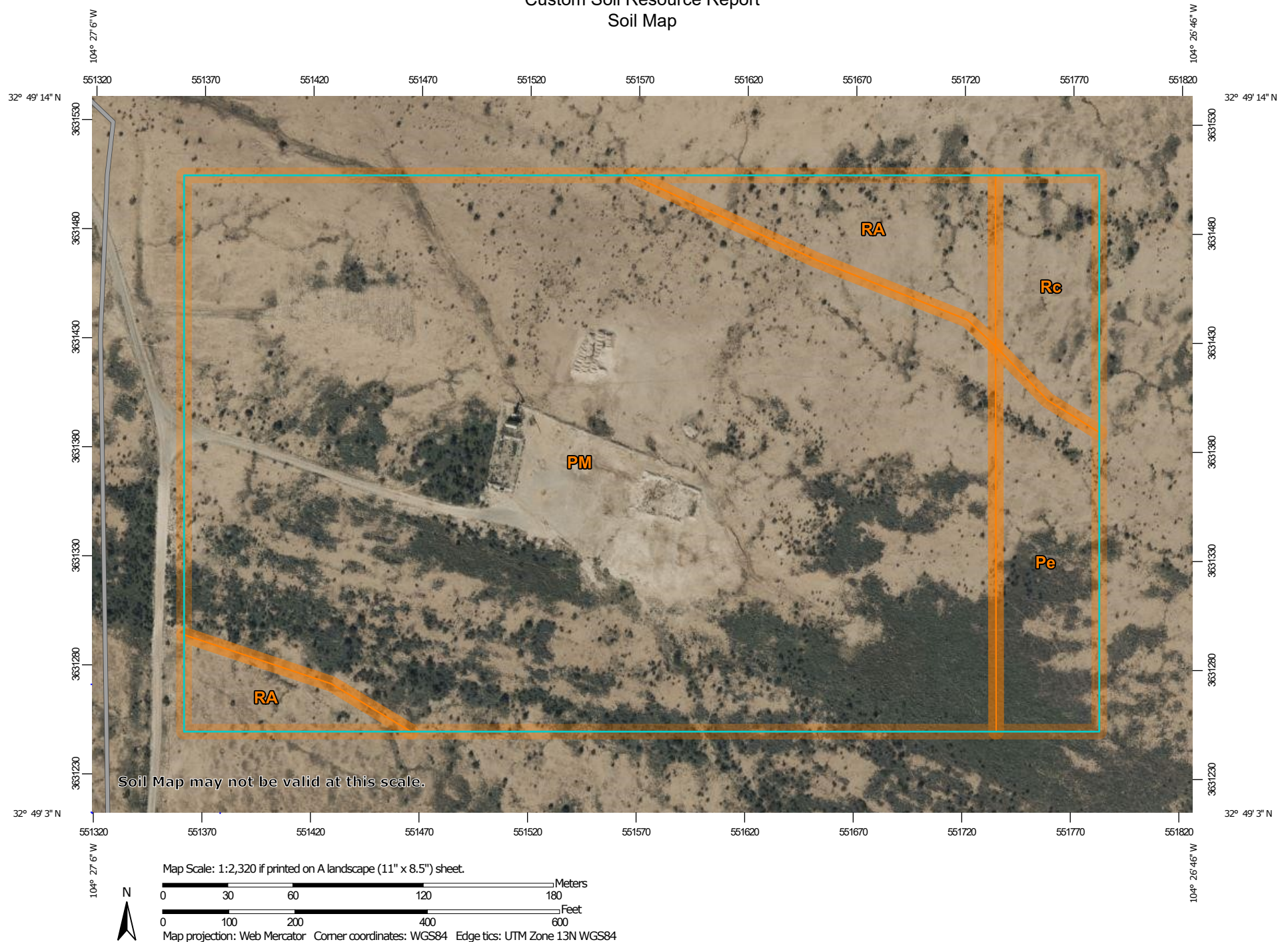


## Soil Map

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




Custom Soil Resource Report  
Soil Map



## Custom Soil Resource Report

## MAP LEGEND

## Area of Interest (AOI)

 Area of Interest (AOI)


## Soils


 Soil Map Unit Polygons


 Soil Map Unit Lines


 Soil Map Unit Points

## Special Point Features

 Blowout

 Borrow Pit


 Clay Spot


 Closed Depression

 Gravel Pit

 Gravelly Spot

 Landfill

 Lava Flow

 Marsh or swamp

 Mine or Quarry

 Miscellaneous Water


 Perennial Water

 Rock Outcrop


 Saline Spot

 Sandy Spot

 Severely Eroded Spot


 Sinkhole

 Slide or Slip


 Sodic Spot

 Spoil Area

 Stony Spot


 Very Stony Spot

 Wet Spot

 Other

 Special Line Features

## Water Features

 Streams and Canals


## Transportation

 Rails


 Interstate Highways

 US Routes

 Major Roads

 Local Roads

## Background

 Aerial Photography

## MAP INFORMATION

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

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

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

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

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

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

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

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

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

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

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



## Custom Soil Resource Report

**Eddy Area, New Mexico****Pe—Pima silt loam, 0 to 1 percent slopes****Map Unit Setting**

*National map unit symbol:* 1w58  
*Elevation:* 600 to 4,200 feet  
*Mean annual precipitation:* 8 to 25 inches  
*Mean annual air temperature:* 60 to 70 degrees F  
*Frost-free period:* 195 to 290 days  
*Farmland classification:* Prime farmland if irrigated

**Map Unit Composition**

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

**Description of Pima****Setting**

*Landform:* Flood plains, alluvial flats, alluvial fans  
*Landform position (three-dimensional):* Talf, rise  
*Down-slope shape:* Convex, linear  
*Across-slope shape:* Linear, convex  
*Parent material:* Alluvium

**Typical profile**

*H1 - 0 to 3 inches:* silt loam  
*H2 - 3 to 60 inches:* silty clay loam

**Properties and qualities**

*Slope:* 0 to 1 percent  
*Depth to restrictive feature:* More than 80 inches  
*Drainage class:* Well drained  
*Runoff class:* Medium  
*Capacity of the most limiting layer to transmit water (Ksat):* Moderately high (0.20 to 0.60 in/hr)  
*Depth to water table:* More than 80 inches  
*Frequency of flooding:* RareNone  
*Frequency of ponding:* None  
*Calcium carbonate, maximum content:* 15 percent  
*Maximum salinity:* Nonsaline to slightly saline (0.0 to 4.0 mmhos/cm)  
*Sodium adsorption ratio, maximum:* 1.0  
*Available water supply, 0 to 60 inches:* High (about 11.9 inches)

**Interpretive groups**

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

**Minor Components****Reagan**

*Percent of map unit:* 1 percent



## Custom Soil Resource Report

*Ecological site: R070BC007NM - Loamy**Hydric soil rating: No***Dev***Percent of map unit: 1 percent**Ecological site: R070BC017NM - Bottomland**Hydric soil rating: No***PM—Pima silt loam, 0 to 1 percent slopes****Map Unit Setting***National map unit symbol: 1w56**Elevation: 600 to 4,200 feet**Mean annual precipitation: 8 to 25 inches**Mean annual air temperature: 60 to 70 degrees F**Frost-free period: 195 to 290 days**Farmland classification: Farmland of statewide importance***Map Unit Composition***Pima and similar soils: 98 percent**Minor components: 2 percent**Estimates are based on observations, descriptions, and transects of the mapunit.***Description of Pima****Setting***Landform: Flood plains, alluvial flats, alluvial fans**Landform position (three-dimensional): Talf, rise**Down-slope shape: Convex, linear**Across-slope shape: Linear, convex**Parent material: Alluvium***Typical profile***H1 - 0 to 3 inches: silt loam**H2 - 3 to 60 inches: silty clay loam***Properties and qualities***Slope: 0 to 1 percent**Depth to restrictive feature: More than 80 inches**Drainage class: Well drained**Runoff class: Medium**Capacity of the most limiting layer to transmit water (Ksat): Moderately high (0.20 to 0.60 in/hr)**Depth to water table: More than 80 inches**Frequency of flooding: RareNone**Frequency of ponding: None**Calcium carbonate, maximum content: 15 percent**Maximum salinity: Nonsaline to slightly saline (0.0 to 4.0 mmhos/cm)**Sodium adsorption ratio, maximum: 1.0**Available water supply, 0 to 60 inches: High (about 11.9 inches)*



## Custom Soil Resource Report

**Interpretive groups**

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

**Minor Components****Reagan**

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

**Dev**

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

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

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

**Map Unit Composition**

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

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

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

**Typical profile**

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

**Properties and qualities**

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



## Custom Soil Resource Report

*Runoff class:* Low

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

*Depth to water table:* More than 80 inches

*Frequency of flooding:* None

*Frequency of ponding:* None

*Calcium carbonate, maximum content:* 40 percent

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

*Sodium adsorption ratio, maximum:* 1.0

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

**Interpretive groups**

*Land capability classification (irrigated):* 2e

*Land capability classification (nonirrigated):* 6e

*Hydrologic Soil Group:* B

*Ecological site:* R070BC007NM - Loamy

*Hydric soil rating:* No

**Minor Components****Atoka**

*Percent of map unit:* 1 percent

*Ecological site:* R070BC007NM - Loamy

*Hydric soil rating:* No

**Upton**

*Percent of map unit:* 1 percent

*Ecological site:* R070BC025NM - Shallow

*Hydric soil rating:* No

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

*National map unit symbol:* 1w5l

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

*Mean annual precipitation:* 7 to 15 inches

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

*Frost-free period:* 200 to 240 days

*Farmland classification:* Farmland of statewide importance

**Map Unit Composition**

*Reagan and similar soils:* 97 percent

*Minor components:* 3 percent

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

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

*Landform:* Fan remnants, alluvial fans

*Landform position (three-dimensional):* Rise

*Down-slope shape:* Convex, linear



## Custom Soil Resource Report

*Across-slope shape:* Linear

*Parent material:* Alluvium and/or eolian deposits

**Typical profile**

*H1 - 0 to 8 inches:* loam

*H2 - 8 to 82 inches:* loam

**Properties and qualities**

*Slope:* 0 to 1 percent

*Depth to restrictive feature:* More than 80 inches

*Drainage class:* Well drained

*Runoff class:* Low

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

*Depth to water table:* More than 80 inches

*Frequency of flooding:* None

*Frequency of ponding:* None

*Calcium carbonate, maximum content:* 40 percent

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

*Sodium adsorption ratio, maximum:* 1.0

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

**Interpretive groups**

*Land capability classification (irrigated):* 2e

*Land capability classification (nonirrigated):* 6c

*Hydrologic Soil Group:* B

*Ecological site:* R070BC007NM - Loamy

*Hydric soil rating:* No

**Minor Components****Reagan**

*Percent of map unit:* 1 percent

*Ecological site:* R070BC007NM - Loamy

*Hydric soil rating:* No

**Upton**

*Percent of map unit:* 1 percent

*Ecological site:* R070BC025NM - Shallow

*Hydric soil rating:* No

**Reeves**

*Percent of map unit:* 1 percent

*Ecological site:* R070BC007NM - Loamy

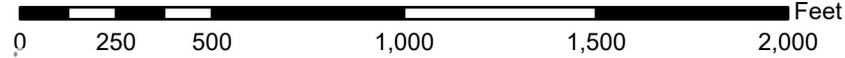
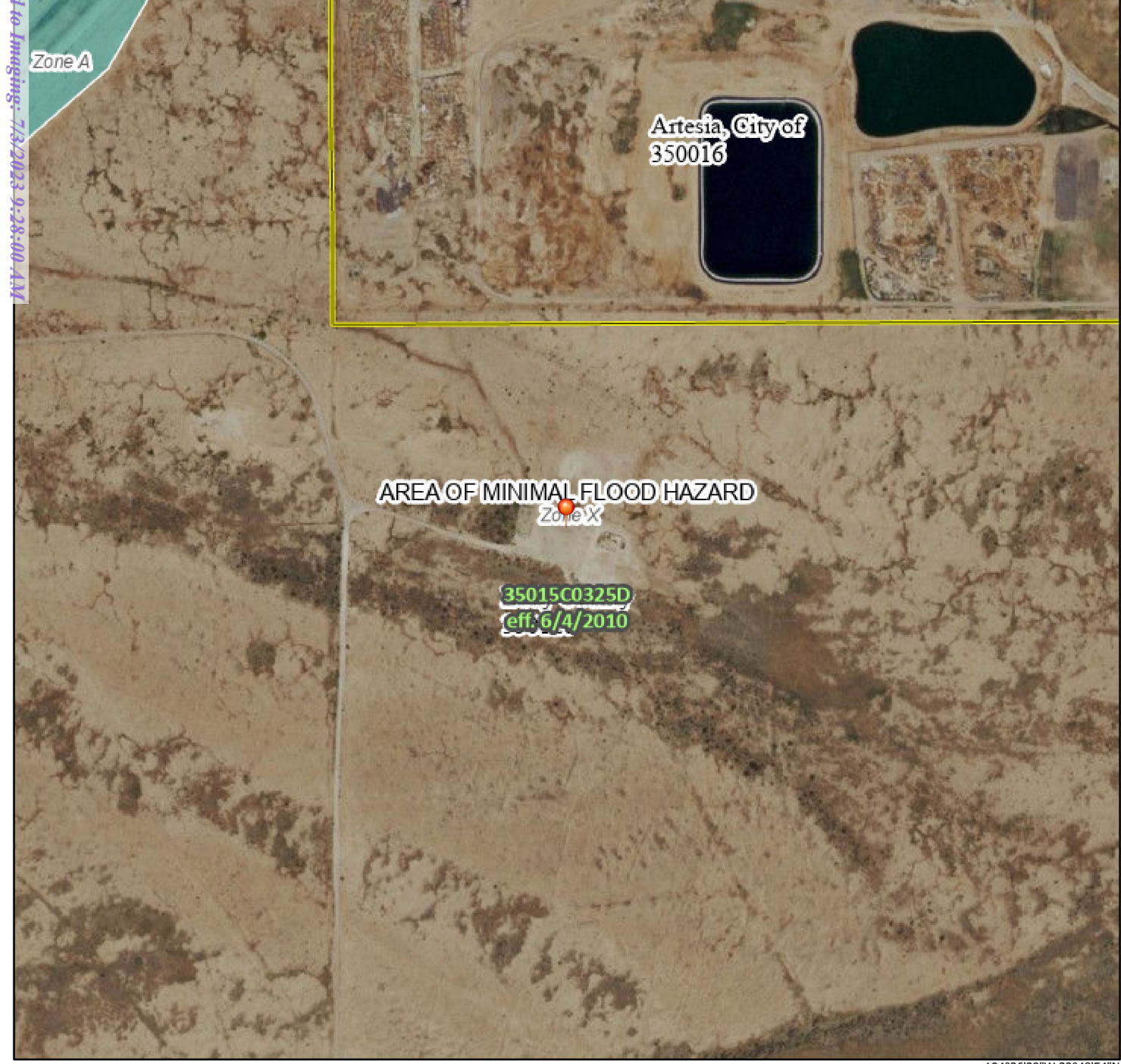
*Hydric soil rating:* No



# National Flood Hazard Layer FIRMMette



104°27'16"W 32°49'24"N



1:6,000

104°26'39"W 32°48'54"N

Basemap Imagery Source: USGS National Map 2023

### Legend

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

|                             |            |   |                           |
|-----------------------------|------------|---|---------------------------|
| SPECIAL FLOOD HAZARD AREAS  |            | Without Base Flood Elevation (BFE)<br>Zone A, V, A99  |                           |
|                             |            | With BFE or Depth Zone AE, AO, AH, VE, AR   |                           |
|                             |            | Regulatory Floodway   |                           |
| OTHER AREAS OF FLOOD HAZARD |            | 0.2% Annual Chance Flood Hazard, Areas of 1% annual chance flood with average depth less than one foot or with drainage areas of less than one square mile Zone X |                           |
|                             |            | Future Conditions 1% Annual Chance Flood Hazard Zone X  |                           |
|                             |            | Area with Reduced Flood Risk due to Levee. See Notes. Zone X  |                           |
|                             |            | Area with Flood Risk due to Levee Zone X  |                           |
| OTHER AREAS                 |            | NO SCREEN Area of Minimal Flood Hazard Zone X   |                           |
|                             |            | Effective LOMRs   |                           |
| GENERAL STRUCTURES          |            | Area of Undetermined Flood Hazard Zone D  |                           |
|                             |            | Channel, Culvert, or Storm Sewer  |                           |
|                             |            | Levee, Dike, or Floodwall   |                           |
|                             |            | 20.2 Cross Sections with 1% Annual Chance Water Surface Elevation   |                           |
| OTHER FEATURES              |            | 17.5 Coastal Transect   |                           |
|                             |            | Base Flood Elevation Line (BFE)   |                           |
|                             |            | Limit of Study  |                           |
|                             |            | Jurisdiction Boundary   |                           |
|                             |            | Coastal Transect Baseline   |                           |
|                             |            | Profile Baseline  |                           |
|                             |            | Hydrographic Feature  |                           |
|                             | MAP PANELS |   | Digital Data Available    |
|                             |            |   | No Digital Data Available |
|                             |            |   | Unmapped                  |

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

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.

Retrieved to Imaging: 7/3/2023 9:28:00 AM

Received by OCD: 6/28/2023 10:59:03 AM





## **Appendix III**

C-141 Forms

NMOCD Correspondence



|                |               |
|----------------|---------------|
| Incident ID    | nAB1526132368 |
| District RP    |               |
| Facility ID    |               |
| Application ID |               |

## Closure

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

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

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

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

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

Signature:  Date: 6/30/2023

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

### OCD Only

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

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

Closure Approved by:  Date: 7/03/2023

Printed Name: Ashley Maxwell Title: Environmental Specialist



|                |               |
|----------------|---------------|
| Incident ID    | nAB1529255081 |
| District RP    |               |
| Facility ID    |               |
| Application ID |               |

## Closure

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

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

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

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

Signature:  Date: 6/30/2023

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

### OCD Only

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

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

Closure Approved by:  Date: 7/03/2023

Printed Name: Ashley Maxwell Title: Environmental Specialist



|                |                |
|----------------|----------------|
| Incident ID    | nKMW0800235934 |
| District RP    |                |
| Facility ID    |                |
| Application ID |                |

## Closure

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

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

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

Signature:  Date: 6/30/2023

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

### OCD Only

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

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

Closure Approved by:  Date: 7/03/2023

Printed Name: Ashley Maxwell Title: Environmental Specialist



|                |                |
|----------------|----------------|
| Incident ID    | nSEB0813056099 |
| District RP    |                |
| Facility ID    |                |
| Application ID |                |

## Closure

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

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

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

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

Signature:  Date: 6/30/2023

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

### OCD Only

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

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

Closure Approved by:  Date: 7/03/2023

Printed Name: Ashley Maxwell Title: Environmental Specialist



|                |                |
|----------------|----------------|
| Incident ID    | nSEB0826247749 |
| District RP    |                |
| Facility ID    |                |
| Application ID |                |

## Closure

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

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

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

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

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

Signature:  Date: 6/30/2023

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

### OCD Only

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

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

Closure Approved by:  Date: 7/03/2023

Printed Name: Ashley Maxwell Title: Environmental Specialist



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

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

Chad,

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

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



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

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



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



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

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

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

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

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

To whom it may concern.

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

Thank you for your time,

**Chad Hensley**

**Environmental Project Manager**

Office: 575.746.8768 x708

Direct: 575.616.4023

Cell: 575.246.0032

Fax: 575.746.8905

Emergency: 866.742.0742

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



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



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

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

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

-  
**Chad**

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

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



---

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

Yes same location, same tank battery.

Sent from [Mail](#) for Windows

---

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

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

Chad,

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

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





## **Appendix IV**

### Photographic Documentation





Mitchell SWD # 2 Remediation Project  
Eddy County, NM



**Photograph No.1 Description:**

Initial excavation of site to 4.5 ‘



**Photograph No.2 Description:**

Initial excavation of site to 4.5 ‘



**Photograph No.3 Description:**

Initial excavation of site to 4.5 ‘



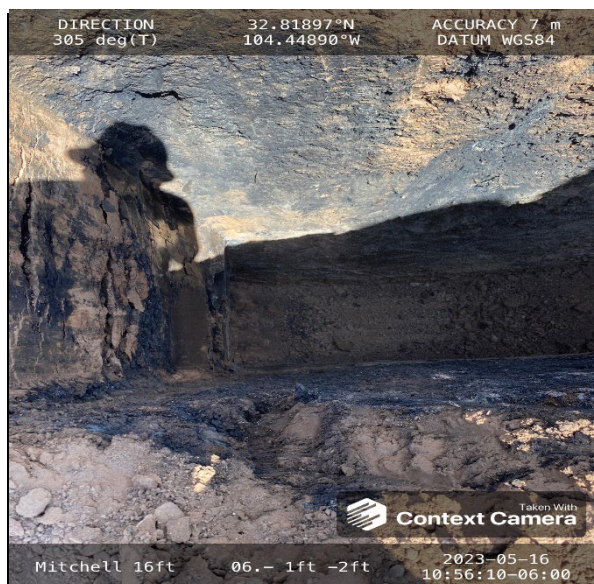
**Photograph No.4 Description:**

Initial excavation of site to 4.5 ‘



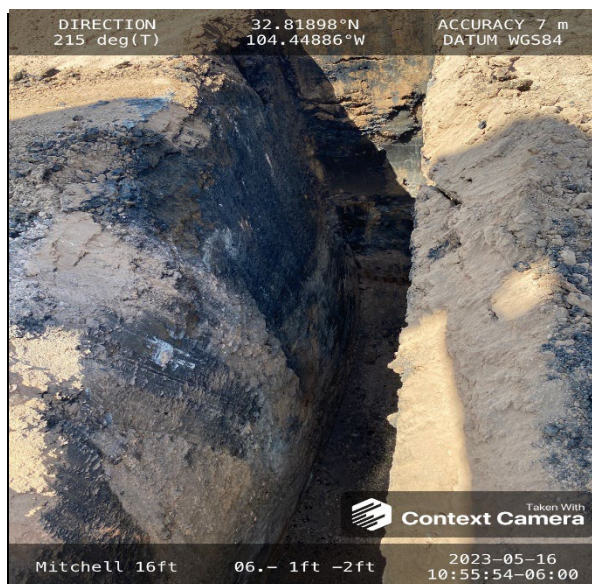


Mitchell SWD # 2 Remediation Project  
Eddy County, NM



**Photograph No.5 Description:**

Discovery of contaminates to 18'



**Photograph No.6 Description:**

Discovery of contaminates to 18'



**Photograph No.7 Description:**

Excavation to 18' under tank battery area.



**Photograph No.8 Description:**

Excavation to 18' under tank battery area.



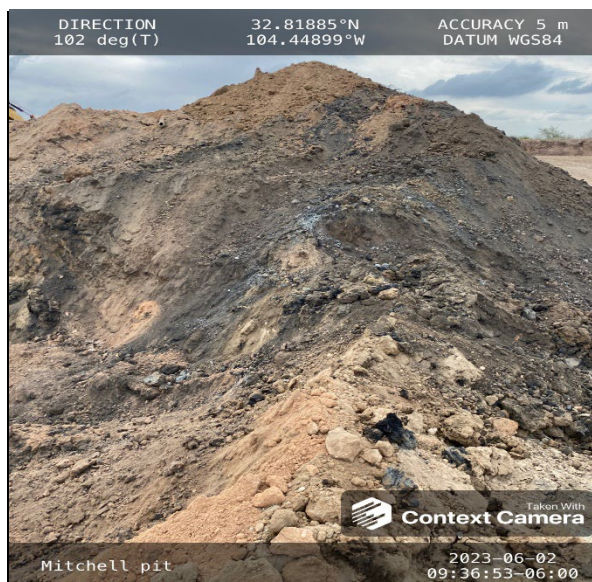


Mitchell SWD # 2 Remediation Project  
Eddy County, NM



**Photograph No.9 Description:**

Excavation to 18' under tank battery area.



**Photograph No.10 Description:**

Excavation to 18' under tank battery area.



**Photograph No.11 Description:**

Excavation to 18' under tank battery area.



**Photograph No.12 Description:**

Excavation to 18' under tank battery area.





## **Appendix V**

### Laboratory Analytical Reports





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

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June 12, 2023

DAVID ADKINS

TALON LPE

408 W. TEXAS AVE.

ARTESIA, NM 88210

RE: EOG MITCHELL SWD

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

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

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

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

Accreditation applies to public drinking water matrices.

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

Sincerely,

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

Celey D. Keene

Lab Director/Quality Manager





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

**Analytical Results For:**

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

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

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

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

| BTEX 8021B     |        | mg/kg           |            | Analyzed By: JH/ |      |            |               |      |           |
|----------------|--------|-----------------|------------|------------------|------|------------|---------------|------|-----------|
| Analyte        | Result | Reporting Limit | Analyzed   | Method Blank     | BS   | % Recovery | True Value QC | RPD  | Qualifier |
| Benzene*       | <0.050 | 0.050           | 06/09/2023 | ND               | 2.19 | 110        | 2.00          | 6.15 |           |
| Toluene*       | <0.050 | 0.050           | 06/09/2023 | ND               | 2.26 | 113        | 2.00          | 5.87 |           |
| Ethylbenzene*  | <0.050 | 0.050           | 06/09/2023 | ND               | 2.14 | 107        | 2.00          | 4.65 |           |
| Total Xylenes* | <0.150 | 0.150           | 06/09/2023 | ND               | 6.65 | 111        | 6.00          | 4.62 |           |
| Total BTEX     | <0.300 | 0.300           | 06/09/2023 | ND               |      |            |               |      |           |

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

| Chloride, SM4500Cl-B |        | mg/kg           |            | Analyzed By: AC |     |            |               |      |           |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte              | Result | Reporting Limit | Analyzed   | Method Blank    | BS  | % Recovery | True Value QC | RPD  | Qualifier |
| Chloride             | 128    | 16.0            | 06/08/2023 | ND              | 400 | 100        | 400           | 3.92 |           |

| TPH 8015M        |        | mg/kg           |            | Analyzed By: MS |     |            |               |      |           |
|------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte          | Result | Reporting Limit | Analyzed   | Method Blank    | BS  | % Recovery | True Value QC | RPD  | Qualifier |
| GRO C6-C10*      | <10.0  | 10.0            | 06/08/2023 | ND              | 177 | 88.3       | 200           | 4.58 |           |
| DRO >C10-C28*    | <10.0  | 10.0            | 06/08/2023 | ND              | 175 | 87.6       | 200           | 5.37 |           |
| EXT DRO >C28-C36 | <10.0  | 10.0            | 06/08/2023 | ND              |     |            |               |      |           |

Surrogate: 1-Chlorooctane 111 % 48.2-134

Surrogate: 1-Chlorooctadecane 115 % 49.1-148

Cardinal Laboratories

\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager





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

**Analytical Results For:**

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

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

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

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

| BTEx 8021B     |        | mg/kg           |            | Analyzed By: JH/ |      |            |               |      |           |  |
|----------------|--------|-----------------|------------|------------------|------|------------|---------------|------|-----------|--|
| Analyte        | Result | Reporting Limit | Analyzed   | Method Blank     | BS   | % Recovery | True Value QC | RPD  | Qualifier |  |
| Benzene*       | <0.050 | 0.050           | 06/09/2023 | ND               | 2.19 | 110        | 2.00          | 6.15 |           |  |
| Toluene*       | <0.050 | 0.050           | 06/09/2023 | ND               | 2.26 | 113        | 2.00          | 5.87 |           |  |
| Ethylbenzene*  | <0.050 | 0.050           | 06/09/2023 | ND               | 2.14 | 107        | 2.00          | 4.65 |           |  |
| Total Xylenes* | <0.150 | 0.150           | 06/09/2023 | ND               | 6.65 | 111        | 6.00          | 4.62 |           |  |
| Total BTEx     | <0.300 | 0.300           | 06/09/2023 | ND               |      |            |               |      |           |  |

Surrogate: 4-Bromofluorobenzene (PID) 108 % 71.5-134

| Chloride, SM4500Cl-B |        | mg/kg           |            | Analyzed By: AC |     |            |               |      |           |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte              | Result | Reporting Limit | Analyzed   | Method Blank    | BS  | % Recovery | True Value QC | RPD  | Qualifier |
| Chloride             | 848    | 16.0            | 06/08/2023 | ND              | 400 | 100        | 400           | 3.92 |           |

| TPH 8015M        |        | mg/kg           |            | Analyzed By: MS |     |            |               |      |           |
|------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte          | Result | Reporting Limit | Analyzed   | Method Blank    | BS  | % Recovery | True Value QC | RPD  | Qualifier |
| GRO C6-C10*      | <10.0  | 10.0            | 06/08/2023 | ND              | 177 | 88.3       | 200           | 4.58 |           |
| DRO >C10-C28*    | <10.0  | 10.0            | 06/08/2023 | ND              | 175 | 87.6       | 200           | 5.37 |           |
| EXT DRO >C28-C36 | <10.0  | 10.0            | 06/08/2023 | ND              |     |            |               |      |           |

Surrogate: 1-Chlorooctane 111 % 48.2-134

Surrogate: 1-Chlorooctadecane 114 % 49.1-148

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\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager





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**Analytical Results For:**

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

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

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

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

| BTEx 8021B     |        | mg/kg           |            | Analyzed By: JH/ |      |            |               |      |           |  |
|----------------|--------|-----------------|------------|------------------|------|------------|---------------|------|-----------|--|
| Analyte        | Result | Reporting Limit | Analyzed   | Method Blank     | BS   | % Recovery | True Value QC | RPD  | Qualifier |  |
| Benzene*       | <0.050 | 0.050           | 06/09/2023 | ND               | 2.19 | 110        | 2.00          | 6.15 |           |  |
| Toluene*       | <0.050 | 0.050           | 06/09/2023 | ND               | 2.26 | 113        | 2.00          | 5.87 |           |  |
| Ethylbenzene*  | <0.050 | 0.050           | 06/09/2023 | ND               | 2.14 | 107        | 2.00          | 4.65 |           |  |
| Total Xylenes* | <0.150 | 0.150           | 06/09/2023 | ND               | 6.65 | 111        | 6.00          | 4.62 |           |  |
| Total BTEX     | <0.300 | 0.300           | 06/09/2023 | ND               |      |            |               |      |           |  |

Surrogate: 4-Bromofluorobenzene (PID) 106 % 71.5-134

| Chloride, SM4500Cl-B |        | mg/kg           |            | Analyzed By: AC |     |            |               |      |           |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte              | Result | Reporting Limit | Analyzed   | Method Blank    | BS  | % Recovery | True Value QC | RPD  | Qualifier |
| Chloride             | 128    | 16.0            | 06/08/2023 | ND              | 400 | 100        | 400           | 3.92 |           |

| TPH 8015M        |        | mg/kg           |            | Analyzed By: MS |     |            |               |      |           |
|------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte          | Result | Reporting Limit | Analyzed   | Method Blank    | BS  | % Recovery | True Value QC | RPD  | Qualifier |
| GRO C6-C10*      | <10.0  | 10.0            | 06/08/2023 | ND              | 177 | 88.3       | 200           | 4.58 |           |
| DRO >C10-C28*    | <10.0  | 10.0            | 06/08/2023 | ND              | 175 | 87.6       | 200           | 5.37 |           |
| EXT DRO >C28-C36 | <10.0  | 10.0            | 06/08/2023 | ND              |     |            |               |      |           |

Surrogate: 1-Chlorooctane 110 % 48.2-134

Surrogate: 1-Chlorooctadecane 115 % 49.1-148

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\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager





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**Analytical Results For:**

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

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

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

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

| BTEx 8021B     |        | mg/kg           |            | Analyzed By: JH/ |      |            |               |      |           |  |
|----------------|--------|-----------------|------------|------------------|------|------------|---------------|------|-----------|--|
| Analyte        | Result | Reporting Limit | Analyzed   | Method Blank     | BS   | % Recovery | True Value QC | RPD  | Qualifier |  |
| Benzene*       | <0.050 | 0.050           | 06/09/2023 | ND               | 2.19 | 110        | 2.00          | 6.15 |           |  |
| Toluene*       | <0.050 | 0.050           | 06/09/2023 | ND               | 2.26 | 113        | 2.00          | 5.87 |           |  |
| Ethylbenzene*  | <0.050 | 0.050           | 06/09/2023 | ND               | 2.14 | 107        | 2.00          | 4.65 |           |  |
| Total Xylenes* | <0.150 | 0.150           | 06/09/2023 | ND               | 6.65 | 111        | 6.00          | 4.62 |           |  |
| Total BTEx     | <0.300 | 0.300           | 06/09/2023 | ND               |      |            |               |      |           |  |

Surrogate: 4-Bromofluorobenzene (PID) 108 % 71.5-134

| Chloride, SM4500CI-B |        | mg/kg           |            | Analyzed By: AC |     |            |               |      |           |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte              | Result | Reporting Limit | Analyzed   | Method Blank    | BS  | % Recovery | True Value QC | RPD  | Qualifier |
| Chloride             | 128    | 16.0            | 06/08/2023 | ND              | 400 | 100        | 400           | 3.92 |           |

| TPH 8015M        |        | mg/kg           |            | Analyzed By: MS |     |            |               |      |           |
|------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte          | Result | Reporting Limit | Analyzed   | Method Blank    | BS  | % Recovery | True Value QC | RPD  | Qualifier |
| GRO C6-C10*      | <10.0  | 10.0            | 06/08/2023 | ND              | 177 | 88.3       | 200           | 4.58 |           |
| DRO >C10-C28*    | <10.0  | 10.0            | 06/08/2023 | ND              | 175 | 87.6       | 200           | 5.37 |           |
| EXT DRO >C28-C36 | <10.0  | 10.0            | 06/08/2023 | ND              |     |            |               |      |           |

Surrogate: 1-Chlorooctane 113 % 48.2-134

Surrogate: 1-Chlorooctadecane 116 % 49.1-148

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\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager





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**Analytical Results For:**

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

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

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

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

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

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

| Chloride, SM4500CI-B |        | mg/kg           |            | Analyzed By: AC |     |            |               |      |           |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte              | Result | Reporting Limit | Analyzed   | Method Blank    | BS  | % Recovery | True Value QC | RPD  | Qualifier |
| Chloride             | 432    | 16.0            | 06/08/2023 | ND              | 400 | 100        | 400           | 3.92 |           |

| TPH 8015M        |        | mg/kg           |            | Analyzed By: MS |     |            |               |       |           |
|------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|-------|-----------|
| Analyte          | Result | Reporting Limit | Analyzed   | Method Blank    | BS  | % Recovery | True Value QC | RPD   | Qualifier |
| GRO C6-C10*      | <10.0  | 10.0            | 06/08/2023 | ND              | 190 | 95.2       | 200           | 0.208 |           |
| DRO >C10-C28*    | <10.0  | 10.0            | 06/08/2023 | ND              | 177 | 88.6       | 200           | 1.61  |           |
| EXT DRO >C28-C36 | <10.0  | 10.0            | 06/08/2023 | ND              |     |            |               |       |           |

Surrogate: 1-Chlorooctane 110 % 48.2-134

Surrogate: 1-Chlorooctadecane 118 % 49.1-148

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\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager





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**Analytical Results For:**

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

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

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

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

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

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

| Chloride, SM4500CI-B |        | mg/kg           |            | Analyzed By: AC |     |            |               |      |           |  |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|--|
| Analyte              | Result | Reporting Limit | Analyzed   | Method Blank    | BS  | % Recovery | True Value QC | RPD  | Qualifier |  |
| Chloride             | 384    | 16.0            | 06/08/2023 | ND              | 400 | 100        | 400           | 3.92 |           |  |

| TPH 8015M        |        | mg/kg           |            | Analyzed By: MS |     |            |               |       |           |
|------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|-------|-----------|
| Analyte          | Result | Reporting Limit | Analyzed   | Method Blank    | BS  | % Recovery | True Value QC | RPD   | Qualifier |
| GRO C6-C10*      | <10.0  | 10.0            | 06/08/2023 | ND              | 190 | 95.2       | 200           | 0.208 |           |
| DRO >C10-C28*    | <10.0  | 10.0            | 06/08/2023 | ND              | 177 | 88.6       | 200           | 1.61  |           |
| EXT DRO >C28-C36 | <10.0  | 10.0            | 06/08/2023 | ND              |     |            |               |       |           |

Surrogate: 1-Chlorooctane 122 % 48.2-134

Surrogate: 1-Chlorooctadecane 134 % 49.1-148

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\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager





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

**Analytical Results For:**

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

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

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

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

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

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

| Chloride, SM4500CI-B |        | mg/kg           |            | Analyzed By: AC |     |            |               |      |           |  |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|--|
| Analyte              | Result | Reporting Limit | Analyzed   | Method Blank    | BS  | % Recovery | True Value QC | RPD  | Qualifier |  |
| Chloride             | 368    | 16.0            | 06/08/2023 | ND              | 400 | 100        | 400           | 3.92 |           |  |

| TPH 8015M        |        | mg/kg           |            | Analyzed By: MS |     |            |               |       |           |
|------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|-------|-----------|
| Analyte          | Result | Reporting Limit | Analyzed   | Method Blank    | BS  | % Recovery | True Value QC | RPD   | Qualifier |
| GRO C6-C10*      | <10.0  | 10.0            | 06/08/2023 | ND              | 190 | 95.2       | 200           | 0.208 |           |
| DRO >C10-C28*    | <10.0  | 10.0            | 06/08/2023 | ND              | 177 | 88.6       | 200           | 1.61  |           |
| EXT DRO >C28-C36 | <10.0  | 10.0            | 06/08/2023 | ND              |     |            |               |       |           |

Surrogate: 1-Chlorooctane 108 % 48.2-134

Surrogate: 1-Chlorooctadecane 118 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager





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**Analytical Results For:**

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

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

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

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

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

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

| Chloride, SM4500CI-B |        | mg/kg           |            | Analyzed By: AC |     |            |               |      |           |  |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|--|
| Analyte              | Result | Reporting Limit | Analyzed   | Method Blank    | BS  | % Recovery | True Value QC | RPD  | Qualifier |  |
| Chloride             | 112    | 16.0            | 06/08/2023 | ND              | 400 | 100        | 400           | 3.92 |           |  |

| TPH 8015M        |        | mg/kg           |            | Analyzed By: MS |     |            |               |       |           |
|------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|-------|-----------|
| Analyte          | Result | Reporting Limit | Analyzed   | Method Blank    | BS  | % Recovery | True Value QC | RPD   | Qualifier |
| GRO C6-C10*      | <10.0  | 10.0            | 06/08/2023 | ND              | 190 | 95.2       | 200           | 0.208 |           |
| DRO >C10-C28*    | <10.0  | 10.0            | 06/08/2023 | ND              | 177 | 88.6       | 200           | 1.61  |           |
| EXT DRO >C28-C36 | <10.0  | 10.0            | 06/08/2023 | ND              |     |            |               |       |           |

Surrogate: 1-Chlorooctane 106 % 48.2-134

Surrogate: 1-Chlorooctadecane 113 % 49.1-148

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**Analytical Results For:**

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

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

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

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

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

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

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

| TPH 8015M        |        | mg/kg           |            | Analyzed By: MS |     |            |               |       |           |
|------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|-------|-----------|
| Analyte          | Result | Reporting Limit | Analyzed   | Method Blank    | BS  | % Recovery | True Value QC | RPD   | Qualifier |
| GRO C6-C10*      | <10.0  | 10.0            | 06/08/2023 | ND              | 190 | 95.2       | 200           | 0.208 |           |
| DRO >C10-C28*    | <10.0  | 10.0            | 06/08/2023 | ND              | 177 | 88.6       | 200           | 1.61  |           |
| EXT DRO >C28-C36 | <10.0  | 10.0            | 06/08/2023 | ND              |     |            |               |       |           |

Surrogate: 1-Chlorooctane 110 % 48.2-134

Surrogate: 1-Chlorooctadecane 120 % 49.1-148

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**Analytical Results For:**

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

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

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

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

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

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

| Chloride, SM4500Cl-B |        | mg/kg           |            | Analyzed By: AC |     |            |               |      |           |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte              | Result | Reporting Limit | Analyzed   | Method Blank    | BS  | % Recovery | True Value QC | RPD  | Qualifier |
| Chloride             | 320    | 16.0            | 06/08/2023 | ND              | 400 | 100        | 400           | 3.92 |           |

| TPH 8015M        |        | mg/kg           |            | Analyzed By: MS |     |            |               |       |           |
|------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|-------|-----------|
| Analyte          | Result | Reporting Limit | Analyzed   | Method Blank    | BS  | % Recovery | True Value QC | RPD   | Qualifier |
| GRO C6-C10*      | <10.0  | 10.0            | 06/08/2023 | ND              | 190 | 95.2       | 200           | 0.208 |           |
| DRO >C10-C28*    | <10.0  | 10.0            | 06/08/2023 | ND              | 177 | 88.6       | 200           | 1.61  |           |
| EXT DRO >C28-C36 | <10.0  | 10.0            | 06/08/2023 | ND              |     |            |               |       |           |

Surrogate: 1-Chlorooctane 106 % 48.2-134

Surrogate: 1-Chlorooctadecane 118 % 49.1-148

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**Analytical Results For:**

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

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

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

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

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

Surrogate: 4-Bromofluorobenzene (PID) 105 % 71.5-134

| Chloride, SM4500CI-B |        | mg/kg           |            | Analyzed By: AC |     |            |               |      |           |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte              | Result | Reporting Limit | Analyzed   | Method Blank    | BS  | % Recovery | True Value QC | RPD  | Qualifier |
| Chloride             | 240    | 16.0            | 06/08/2023 | ND              | 400 | 100        | 400           | 3.92 |           |

| TPH 8015M        |        | mg/kg           |            | Analyzed By: MS |     |            |               |       |           |
|------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|-------|-----------|
| Analyte          | Result | Reporting Limit | Analyzed   | Method Blank    | BS  | % Recovery | True Value QC | RPD   | Qualifier |
| GRO C6-C10*      | <10.0  | 10.0            | 06/08/2023 | ND              | 190 | 95.2       | 200           | 0.208 |           |
| DRO >C10-C28*    | <10.0  | 10.0            | 06/08/2023 | ND              | 177 | 88.6       | 200           | 1.61  |           |
| EXT DRO >C28-C36 | <10.0  | 10.0            | 06/08/2023 | ND              |     |            |               |       |           |

Surrogate: 1-Chlorooctane 112 % 48.2-134

Surrogate: 1-Chlorooctadecane 122 % 49.1-148

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**Analytical Results For:**

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

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

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

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

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

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

| Chloride, SM4500CI-B |        | mg/kg           |            | Analyzed By: AC |     |            |               |      |           |  |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|--|
| Analyte              | Result | Reporting Limit | Analyzed   | Method Blank    | BS  | % Recovery | True Value QC | RPD  | Qualifier |  |
| Chloride             | 64.0   | 16.0            | 06/08/2023 | ND              | 400 | 100        | 400           | 3.92 |           |  |

| TPH 8015M        |        | mg/kg           |            | Analyzed By: MS |     |            |               |       |           |
|------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|-------|-----------|
| Analyte          | Result | Reporting Limit | Analyzed   | Method Blank    | BS  | % Recovery | True Value QC | RPD   | Qualifier |
| GRO C6-C10*      | <10.0  | 10.0            | 06/08/2023 | ND              | 190 | 95.2       | 200           | 0.208 |           |
| DRO >C10-C28*    | <10.0  | 10.0            | 06/08/2023 | ND              | 177 | 88.6       | 200           | 1.61  |           |
| EXT DRO >C28-C36 | <10.0  | 10.0            | 06/08/2023 | ND              |     |            |               |       |           |

Surrogate: 1-Chlorooctane 101 % 48.2-134

Surrogate: 1-Chlorooctadecane 111 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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### Notes and Definitions

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

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

Celey D. Keene, Lab Director/Quality Manager









CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

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

|                                 |  |  |  |                                     |  |  |  |                                     |  |  |  |                                     |  |  |  |                                     |  |  |  |
|---------------------------------|--|--|--|-------------------------------------|--|--|--|-------------------------------------|--|--|--|-------------------------------------|--|--|--|-------------------------------------|--|--|--|
| Company Name: Talon LPE         |  |  |  | <b>BILL TO</b>                      |  |  |  | ANALYSIS REQUEST                    |  |  |  |                                     |  |  |  |                                     |  |  |  |
| Project Manager: C. Hensley     |  |  |  | P.O. #:                             |  |  |  |                                     |  |  |  |                                     |  |  |  |                                     |  |  |  |
| Address: 408 W. Texas Ave       |  |  |  | Company: EOG                        |  |  |  |                                     |  |  |  |                                     |  |  |  |                                     |  |  |  |
| City: Artesia                   |  |  |  | Attn: J. Haass                      |  |  |  |                                     |  |  |  |                                     |  |  |  |                                     |  |  |  |
| Phone #: 575.746.8768           |  |  |  | Address:                            |  |  |  |                                     |  |  |  |                                     |  |  |  |                                     |  |  |  |
| Fax #: 575.746.8768             |  |  |  | City:                               |  |  |  |                                     |  |  |  |                                     |  |  |  |                                     |  |  |  |
| Project #: 700438.307.01        |  |  |  | State: Zip: 88210                   |  |  |  |                                     |  |  |  |                                     |  |  |  |                                     |  |  |  |
| Project Owner: EOG Mitchell SWD |  |  |  | City: Zip:                          |  |  |  |                                     |  |  |  |                                     |  |  |  |                                     |  |  |  |
| Project Location: EDDY County   |  |  |  | State: Zip:                         |  |  |  |                                     |  |  |  |                                     |  |  |  |                                     |  |  |  |
| Sampler Name: N. Rose           |  |  |  | Phone #:                            |  |  |  |                                     |  |  |  |                                     |  |  |  |                                     |  |  |  |
| Fax #:                          |  |  |  |                                     |  |  |  |                                     |  |  |  |                                     |  |  |  |                                     |  |  |  |
| FOR LAB USE ONLY                |  |  |  |                                     |  |  |  |                                     |  |  |  |                                     |  |  |  |                                     |  |  |  |
| Lab I.D. Sample I.D.            |  |  |  | (G)RAB OR (C)OMP.                   |  |  |  | MATRIX                              |  |  |  | PRESERV                             |  |  |  | SAMPLING                            |  |  |  |
|                                 |  |  |  | # CONTAINERS                        |  |  |  |                                     |  |  |  |                                     |  |  |  |                                     |  |  |  |
| SW-11 (Depth 0-4 ft)            |  |  |  | GROUNDWATER                         |  |  |  | SOIL                                |  |  |  | DATE                                |  |  |  | TIME                                |  |  |  |
|                                 |  |  |  | WASTEWATER                          |  |  |  | OIL                                 |  |  |  | 6/5/23                              |  |  |  | 1445                                |  |  |  |
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PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

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June 13, 2023

CHAD HENSLEY

TALON LPE

408 W. TEXAS AVE.

ARTESIA, NM 88210

RE: MITCHELLSWD

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

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

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

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

Accreditation applies to public drinking water matrices.

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

Sincerely,

A handwritten signature in black ink that reads "Celey D. Keene".

Celey D. Keene

Lab Director/Quality Manager





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

**Analytical Results For:**

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

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

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

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

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

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

| Chloride, SM4500Cl-B |        | mg/kg           |            | Analyzed By: AC |     |            |               |      |           |  |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|--|
| Analyte              | Result | Reporting Limit | Analyzed   | Method Blank    | BS  | % Recovery | True Value QC | RPD  | Qualifier |  |
| Chloride             | 2200   | 16.0            | 06/08/2023 | ND              | 432 | 108        | 400           | 0.00 |           |  |

| TPH 8015M        |        | mg/kg           |            | Analyzed By: MS |     |            |               |       |           |
|------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|-------|-----------|
| Analyte          | Result | Reporting Limit | Analyzed   | Method Blank    | BS  | % Recovery | True Value QC | RPD   | Qualifier |
| GRO C6-C10*      | <10.0  | 10.0            | 06/08/2023 | ND              | 190 | 95.2       | 200           | 0.208 |           |
| DRO >C10-C28*    | <10.0  | 10.0            | 06/08/2023 | ND              | 177 | 88.6       | 200           | 1.61  |           |
| EXT DRO >C28-C36 | <10.0  | 10.0            | 06/08/2023 | ND              |     |            |               |       |           |

Surrogate: 1-Chlorooctane 105 % 48.2-134

Surrogate: 1-Chlorooctadecane 119 % 49.1-148

Cardinal Laboratories

\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager





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**Analytical Results For:**

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

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

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

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

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

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

| Chloride, SM4500CI-B |        | mg/kg           |            | Analyzed By: AC |     |            |               |      |           |  |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|--|
| Analyte              | Result | Reporting Limit | Analyzed   | Method Blank    | BS  | % Recovery | True Value QC | RPD  | Qualifier |  |
| Chloride             | 2560   | 16.0            | 06/08/2023 | ND              | 432 | 108        | 400           | 0.00 |           |  |

| TPH 8015M        |        | mg/kg           |            | Analyzed By: MS |     |            |               |       |           |
|------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|-------|-----------|
| Analyte          | Result | Reporting Limit | Analyzed   | Method Blank    | BS  | % Recovery | True Value QC | RPD   | Qualifier |
| GRO C6-C10*      | <10.0  | 10.0            | 06/08/2023 | ND              | 190 | 95.2       | 200           | 0.208 |           |
| DRO >C10-C28*    | <10.0  | 10.0            | 06/08/2023 | ND              | 177 | 88.6       | 200           | 1.61  |           |
| EXT DRO >C28-C36 | <10.0  | 10.0            | 06/08/2023 | ND              |     |            |               |       |           |

Surrogate: 1-Chlorooctane 91.8 % 48.2-134

Surrogate: 1-Chlorooctadecane 103 % 49.1-148

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\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager





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**Analytical Results For:**

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

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

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

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

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

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

| Chloride, SM4500CI-B |        | mg/kg           |            | Analyzed By: AC |     |            |               |      |           |  |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|--|
| Analyte              | Result | Reporting Limit | Analyzed   | Method Blank    | BS  | % Recovery | True Value QC | RPD  | Qualifier |  |
| Chloride             | 2280   | 16.0            | 06/08/2023 | ND              | 432 | 108        | 400           | 0.00 |           |  |

| TPH 8015M        |        | mg/kg           |            | Analyzed By: MS |     |            |               |       |           |
|------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|-------|-----------|
| Analyte          | Result | Reporting Limit | Analyzed   | Method Blank    | BS  | % Recovery | True Value QC | RPD   | Qualifier |
| GRO C6-C10*      | <10.0  | 10.0            | 06/08/2023 | ND              | 190 | 95.2       | 200           | 0.208 |           |
| DRO >C10-C28*    | <10.0  | 10.0            | 06/08/2023 | ND              | 177 | 88.6       | 200           | 1.61  |           |
| EXT DRO >C28-C36 | <10.0  | 10.0            | 06/08/2023 | ND              |     |            |               |       |           |

Surrogate: 1-Chlorooctane 93.3 % 48.2-134

Surrogate: 1-Chlorooctadecane 104 % 49.1-148

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Project Number: 700438.307.01  
Project Location: EOG - EDDY COUNTY

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

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

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

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

| Chloride, SM4500CI-B |        | mg/kg           |            | Analyzed By: AC |     |            |               |      |           |  |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|--|
| Analyte              | Result | Reporting Limit | Analyzed   | Method Blank    | BS  | % Recovery | True Value QC | RPD  | Qualifier |  |
| Chloride             | 1440   | 16.0            | 06/08/2023 | ND              | 432 | 108        | 400           | 0.00 |           |  |

| TPH 8015M        |        | mg/kg           |            | Analyzed By: MS |     |            |               |       |           |
|------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|-------|-----------|
| Analyte          | Result | Reporting Limit | Analyzed   | Method Blank    | BS  | % Recovery | True Value QC | RPD   | Qualifier |
| GRO C6-C10*      | <10.0  | 10.0            | 06/08/2023 | ND              | 190 | 95.2       | 200           | 0.208 |           |
| DRO >C10-C28*    | <10.0  | 10.0            | 06/08/2023 | ND              | 177 | 88.6       | 200           | 1.61  |           |
| EXT DRO >C28-C36 | <10.0  | 10.0            | 06/08/2023 | ND              |     |            |               |       |           |

Surrogate: 1-Chlorooctane 109 % 48.2-134

Surrogate: 1-Chlorooctadecane 121 % 49.1-148

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\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager





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

**Analytical Results For:**

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

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

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

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

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

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

| Chloride, SM4500CI-B |        | mg/kg           |            | Analyzed By: AC |     |            |               |      |           |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte              | Result | Reporting Limit | Analyzed   | Method Blank    | BS  | % Recovery | True Value QC | RPD  | Qualifier |
| Chloride             | 1570   | 16.0            | 06/08/2023 | ND              | 432 | 108        | 400           | 0.00 |           |

| TPH 8015M        |        | mg/kg           |            | Analyzed By: MS |     |            |               |       |           |
|------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|-------|-----------|
| Analyte          | Result | Reporting Limit | Analyzed   | Method Blank    | BS  | % Recovery | True Value QC | RPD   | Qualifier |
| GRO C6-C10*      | <10.0  | 10.0            | 06/08/2023 | ND              | 190 | 95.2       | 200           | 0.208 |           |
| DRO >C10-C28*    | <10.0  | 10.0            | 06/08/2023 | ND              | 177 | 88.6       | 200           | 1.61  |           |
| EXT DRO >C28-C36 | <10.0  | 10.0            | 06/08/2023 | ND              |     |            |               |       |           |

Surrogate: 1-Chlorooctane 93.2 % 48.2-134

Surrogate: 1-Chlorooctadecane 106 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager





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**Analytical Results For:**

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

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

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

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

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

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

| Chloride, SM4500Cl-B |        | mg/kg           |            | Analyzed By: AC |     |            |               |      |           |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte              | Result | Reporting Limit | Analyzed   | Method Blank    | BS  | % Recovery | True Value QC | RPD  | Qualifier |
| Chloride             | 1920   | 16.0            | 06/08/2023 | ND              | 432 | 108        | 400           | 0.00 |           |

| TPH 8015M        |        | mg/kg           |            | Analyzed By: MS |     |            |               |       |           |
|------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|-------|-----------|
| Analyte          | Result | Reporting Limit | Analyzed   | Method Blank    | BS  | % Recovery | True Value QC | RPD   | Qualifier |
| GRO C6-C10*      | <10.0  | 10.0            | 06/08/2023 | ND              | 190 | 95.2       | 200           | 0.208 |           |
| DRO >C10-C28*    | 21.7   | 10.0            | 06/08/2023 | ND              | 177 | 88.6       | 200           | 1.61  |           |
| EXT DRO >C28-C36 | 11.5   | 10.0            | 06/08/2023 | ND              |     |            |               |       |           |

Surrogate: 1-Chlorooctane 88.5 % 48.2-134

Surrogate: 1-Chlorooctadecane 99.6 % 49.1-148

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**Analytical Results For:**

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

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

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

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

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

Surrogate: 4-Bromofluorobenzene (PID) 114 % 71.5-134

| Chloride, SM4500CI-B |        | mg/kg           |            | Analyzed By: AC |     |            |               |      |           |  |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|--|
| Analyte              | Result | Reporting Limit | Analyzed   | Method Blank    | BS  | % Recovery | True Value QC | RPD  | Qualifier |  |
| Chloride             | 2240   | 16.0            | 06/08/2023 | ND              | 432 | 108        | 400           | 0.00 |           |  |

| TPH 8015M        |        | mg/kg           |            | Analyzed By: MS |     |            |               |      |           |
|------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte          | Result | Reporting Limit | Analyzed   | Method Blank    | BS  | % Recovery | True Value QC | RPD  | Qualifier |
| GRO C6-C10*      | <10.0  | 10.0            | 06/12/2023 | ND              | 201 | 101        | 200           | 4.85 |           |
| DRO >C10-C28*    | <10.0  | 10.0            | 06/12/2023 | ND              | 197 | 98.3       | 200           | 7.30 |           |
| EXT DRO >C28-C36 | <10.0  | 10.0            | 06/12/2023 | ND              |     |            |               |      |           |

Surrogate: 1-Chlorooctane 105 % 48.2-134

Surrogate: 1-Chlorooctadecane 98.0 % 49.1-148

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**Analytical Results For:**

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

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

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

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

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

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

| Chloride, SM4500CI-B |        | mg/kg           |            | Analyzed By: AC |     |            |               |      |           |  |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|--|
| Analyte              | Result | Reporting Limit | Analyzed   | Method Blank    | BS  | % Recovery | True Value QC | RPD  | Qualifier |  |
| Chloride             | 400    | 16.0            | 06/08/2023 | ND              | 432 | 108        | 400           | 0.00 |           |  |

| TPH 8015M        |        | mg/kg           |            | Analyzed By: MS |     |            |               |      |           |
|------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte          | Result | Reporting Limit | Analyzed   | Method Blank    | BS  | % Recovery | True Value QC | RPD  | Qualifier |
| GRO C6-C10*      | <10.0  | 10.0            | 06/08/2023 | ND              | 201 | 101        | 200           | 4.85 |           |
| DRO >C10-C28*    | <10.0  | 10.0            | 06/08/2023 | ND              | 197 | 98.3       | 200           | 7.30 |           |
| EXT DRO >C28-C36 | <10.0  | 10.0            | 06/08/2023 | ND              |     |            |               |      |           |

Surrogate: 1-Chlorooctane 64.0 % 48.2-134

Surrogate: 1-Chlorooctadecane 66.6 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager





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**Analytical Results For:**

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

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

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

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

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

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

| Chloride, SM4500Cl-B |        | mg/kg           |            | Analyzed By: AC |     |            |               |      |           |  |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|--|
| Analyte              | Result | Reporting Limit | Analyzed   | Method Blank    | BS  | % Recovery | True Value QC | RPD  | Qualifier |  |
| Chloride             | 1230   | 16.0            | 06/08/2023 | ND              | 432 | 108        | 400           | 0.00 |           |  |

| TPH 8015M        |        | mg/kg           |            | Analyzed By: MS |     |            |               |      |           |
|------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte          | Result | Reporting Limit | Analyzed   | Method Blank    | BS  | % Recovery | True Value QC | RPD  | Qualifier |
| GRO C6-C10*      | <10.0  | 10.0            | 06/08/2023 | ND              | 201 | 101        | 200           | 4.85 |           |
| DRO >C10-C28*    | <10.0  | 10.0            | 06/08/2023 | ND              | 197 | 98.3       | 200           | 7.30 |           |
| EXT DRO >C28-C36 | <10.0  | 10.0            | 06/08/2023 | ND              |     |            |               |      |           |

Surrogate: 1-Chlorooctane 65.3 % 48.2-134

Surrogate: 1-Chlorooctadecane 67.7 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager





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**Analytical Results For:**

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

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

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

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

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

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

| Chloride, SM4500CI-B |        | mg/kg           |            | Analyzed By: AC |     |            |               |      |           |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte              | Result | Reporting Limit | Analyzed   | Method Blank    | BS  | % Recovery | True Value QC | RPD  | Qualifier |
| Chloride             | 2560   | 16.0            | 06/08/2023 | ND              | 400 | 100        | 400           | 0.00 |           |

| TPH 8015M        |        | mg/kg           |            | Analyzed By: MS |     |            |               |      |           |
|------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte          | Result | Reporting Limit | Analyzed   | Method Blank    | BS  | % Recovery | True Value QC | RPD  | Qualifier |
| GRO C6-C10*      | <10.0  | 10.0            | 06/08/2023 | ND              | 201 | 101        | 200           | 4.85 |           |
| DRO >C10-C28*    | <10.0  | 10.0            | 06/08/2023 | ND              | 197 | 98.3       | 200           | 7.30 |           |
| EXT DRO >C28-C36 | <10.0  | 10.0            | 06/08/2023 | ND              |     |            |               |      |           |

Surrogate: 1-Chlorooctane 67.1 % 48.2-134

Surrogate: 1-Chlorooctadecane 69.6 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager





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

**Analytical Results For:**

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

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

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

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

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

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

| Chloride, SM4500CI-B |        | mg/kg           |            | Analyzed By: AC |     |            |               |      |           |  |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|--|
| Analyte              | Result | Reporting Limit | Analyzed   | Method Blank    | BS  | % Recovery | True Value QC | RPD  | Qualifier |  |
| Chloride             | 1960   | 16.0            | 06/08/2023 | ND              | 400 | 100        | 400           | 0.00 |           |  |

| TPH 8015M        |        | mg/kg           |            | Analyzed By: MS |     |            |               |      |           |
|------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte          | Result | Reporting Limit | Analyzed   | Method Blank    | BS  | % Recovery | True Value QC | RPD  | Qualifier |
| GRO C6-C10*      | <10.0  | 10.0            | 06/08/2023 | ND              | 201 | 101        | 200           | 4.85 |           |
| DRO >C10-C28*    | <10.0  | 10.0            | 06/08/2023 | ND              | 197 | 98.3       | 200           | 7.30 |           |
| EXT DRO >C28-C36 | <10.0  | 10.0            | 06/08/2023 | ND              |     |            |               |      |           |

Surrogate: 1-Chlorooctane 51.0 % 48.2-134

Surrogate: 1-Chlorooctadecane 53.7 % 49.1-148

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**Analytical Results For:**

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

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

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

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

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

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

| Chloride, SM4500CI-B |        | mg/kg           |            | Analyzed By: AC |     |            |               |      |           |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte              | Result | Reporting Limit | Analyzed   | Method Blank    | BS  | % Recovery | True Value QC | RPD  | Qualifier |
| Chloride             | 3760   | 16.0            | 06/08/2023 | ND              | 400 | 100        | 400           | 0.00 |           |

| TPH 8015M        |        | mg/kg           |            | Analyzed By: MS |     |            |               |      |           |
|------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte          | Result | Reporting Limit | Analyzed   | Method Blank    | BS  | % Recovery | True Value QC | RPD  | Qualifier |
| GRO C6-C10*      | <10.0  | 10.0            | 06/08/2023 | ND              | 201 | 101        | 200           | 4.85 |           |
| DRO >C10-C28*    | 47.8   | 10.0            | 06/08/2023 | ND              | 197 | 98.3       | 200           | 7.30 |           |
| EXT DRO >C28-C36 | 48.4   | 10.0            | 06/08/2023 | ND              |     |            |               |      |           |

Surrogate: 1-Chlorooctane 62.1 % 48.2-134

Surrogate: 1-Chlorooctadecane 66.8 % 49.1-148

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**Analytical Results For:**

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

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

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

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

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

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

| Chloride, SM4500CI-B |        | mg/kg           |            | Analyzed By: AC |     |            |               |      |           |  |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|--|
| Analyte              | Result | Reporting Limit | Analyzed   | Method Blank    | BS  | % Recovery | True Value QC | RPD  | Qualifier |  |
| Chloride             | 736    | 16.0            | 06/08/2023 | ND              | 400 | 100        | 400           | 0.00 |           |  |

| TPH 8015M        |        | mg/kg           |            | Analyzed By: MS |     |            |               |      |           |
|------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte          | Result | Reporting Limit | Analyzed   | Method Blank    | BS  | % Recovery | True Value QC | RPD  | Qualifier |
| GRO C6-C10*      | <10.0  | 10.0            | 06/08/2023 | ND              | 201 | 101        | 200           | 4.85 |           |
| DRO >C10-C28*    | <10.0  | 10.0            | 06/08/2023 | ND              | 197 | 98.3       | 200           | 7.30 |           |
| EXT DRO >C28-C36 | <10.0  | 10.0            | 06/08/2023 | ND              |     |            |               |      |           |

Surrogate: 1-Chlorooctane 55.2 % 48.2-134

Surrogate: 1-Chlorooctadecane 57.4 % 49.1-148

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**Analytical Results For:**

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

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

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

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

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

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

| Chloride, SM4500CI-B |        | mg/kg           |            | Analyzed By: AC |     |            |               |      |           |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte              | Result | Reporting Limit | Analyzed   | Method Blank    | BS  | % Recovery | True Value QC | RPD  | Qualifier |
| Chloride             | 6160   | 16.0            | 06/08/2023 | ND              | 400 | 100        | 400           | 0.00 |           |

| TPH 8015M        |        | mg/kg           |            | Analyzed By: MS |     |            |               |      |           |
|------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte          | Result | Reporting Limit | Analyzed   | Method Blank    | BS  | % Recovery | True Value QC | RPD  | Qualifier |
| GRO C6-C10*      | <10.0  | 10.0            | 06/09/2023 | ND              | 201 | 101        | 200           | 4.85 |           |
| DRO >C10-C28*    | 28.2   | 10.0            | 06/09/2023 | ND              | 197 | 98.3       | 200           | 7.30 |           |
| EXT DRO >C28-C36 | 10.6   | 10.0            | 06/09/2023 | ND              |     |            |               |      |           |

Surrogate: 1-Chlorooctane 89.4 % 48.2-134

Surrogate: 1-Chlorooctadecane 92.6 % 49.1-148

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**Analytical Results For:**

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

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

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

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

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

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

| Chloride, SM4500CI-B |        | mg/kg           |            | Analyzed By: AC |     |            |               |      |           |  |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|--|
| Analyte              | Result | Reporting Limit | Analyzed   | Method Blank    | BS  | % Recovery | True Value QC | RPD  | Qualifier |  |
| Chloride             | 1490   | 16.0            | 06/08/2023 | ND              | 400 | 100        | 400           | 0.00 |           |  |

| TPH 8015M        |        | mg/kg           |            | Analyzed By: MS |     |            |               |      |           |
|------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte          | Result | Reporting Limit | Analyzed   | Method Blank    | BS  | % Recovery | True Value QC | RPD  | Qualifier |
| GRO C6-C10*      | <10.0  | 10.0            | 06/08/2023 | ND              | 201 | 101        | 200           | 4.85 |           |
| DRO >C10-C28*    | 130    | 10.0            | 06/08/2023 | ND              | 197 | 98.3       | 200           | 7.30 |           |
| EXT DRO >C28-C36 | 42.6   | 10.0            | 06/08/2023 | ND              |     |            |               |      |           |

Surrogate: 1-Chlorooctane 49.1 % 48.2-134

Surrogate: 1-Chlorooctadecane 58.4 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager





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**Analytical Results For:**

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

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

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

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

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

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

| Chloride, SM4500Cl-B |        | mg/kg           |            | Analyzed By: AC |     |            |               |      |           |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte              | Result | Reporting Limit | Analyzed   | Method Blank    | BS  | % Recovery | True Value QC | RPD  | Qualifier |
| Chloride             | 3840   | 16.0            | 06/08/2023 | ND              | 400 | 100        | 400           | 0.00 |           |

| TPH 8015M        |        | mg/kg           |            | Analyzed By: MS |     |            |               |      |           |
|------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte          | Result | Reporting Limit | Analyzed   | Method Blank    | BS  | % Recovery | True Value QC | RPD  | Qualifier |
| GRO C6-C10*      | <10.0  | 10.0            | 06/09/2023 | ND              | 201 | 101        | 200           | 4.85 |           |
| DRO >C10-C28*    | 341    | 10.0            | 06/09/2023 | ND              | 197 | 98.3       | 200           | 7.30 |           |
| EXT DRO >C28-C36 | 122    | 10.0            | 06/09/2023 | ND              |     |            |               |      |           |

Surrogate: 1-Chlorooctane 90.9 % 48.2-134

Surrogate: 1-Chlorooctadecane 114 % 49.1-148

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Fax To: (575) 745-8905

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

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

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

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

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

| Chloride, SM4500CI-B |        | mg/kg           |            | Analyzed By: AC |     |            |               |      |           |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte              | Result | Reporting Limit | Analyzed   | Method Blank    | BS  | % Recovery | True Value QC | RPD  | Qualifier |
| Chloride             | 6160   | 16.0            | 06/08/2023 | ND              | 400 | 100        | 400           | 0.00 |           |

| TPH 8015M        |        | mg/kg           |            | Analyzed By: MS |     |            |               |      |           |
|------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte          | Result | Reporting Limit | Analyzed   | Method Blank    | BS  | % Recovery | True Value QC | RPD  | Qualifier |
| GRO C6-C10*      | <10.0  | 10.0            | 06/08/2023 | ND              | 201 | 101        | 200           | 4.85 |           |
| DRO >C10-C28*    | 336    | 10.0            | 06/08/2023 | ND              | 197 | 98.3       | 200           | 7.30 |           |
| EXT DRO >C28-C36 | 124    | 10.0            | 06/08/2023 | ND              |     |            |               |      |           |

Surrogate: 1-Chlorooctane 60.7 % 48.2-134

Surrogate: 1-Chlorooctadecane 81.6 % 49.1-148

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\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager





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

**Analytical Results For:**

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

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

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

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

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

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

| Chloride, SM4500CI-B |        |                 | mg/kg           |              |     |            |               |      |           |  |
|----------------------|--------|-----------------|-----------------|--------------|-----|------------|---------------|------|-----------|--|
|                      |        |                 | Analyzed By: AC |              |     |            |               |      |           |  |
| Analyte              | Result | Reporting Limit | Analyzed        | Method Blank | BS  | % Recovery | True Value QC | RPD  | Qualifier |  |
| Chloride             | 7600   | 16.0            | 06/08/2023      | ND           | 400 | 100        | 400           | 0.00 |           |  |

| TPH 8015M        |        |                 | mg/kg           |              |     |            |               |      |           |  |
|------------------|--------|-----------------|-----------------|--------------|-----|------------|---------------|------|-----------|--|
|                  |        |                 | Analyzed By: MS |              |     |            |               |      |           |  |
| Analyte          | Result | Reporting Limit | Analyzed        | Method Blank | BS  | % Recovery | True Value QC | RPD  | Qualifier |  |
| GRO C6-C10*      | <10.0  | 10.0            | 06/08/2023      | ND           | 201 | 101        | 200           | 4.85 |           |  |
| DRO >C10-C28*    | 67.2   | 10.0            | 06/08/2023      | ND           | 197 | 98.3       | 200           | 7.30 |           |  |
| EXT DRO >C28-C36 | 18.9   | 10.0            | 06/08/2023      | ND           |     |            |               |      |           |  |

Surrogate: 1-Chlorooctane 48.8 % 48.2-134

Surrogate: 1-Chlorooctadecane 52.9 % 49.1-148

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\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager





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**Analytical Results For:**

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

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

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

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

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

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

| Chloride, SM4500CI-B |        | mg/kg           |            | Analyzed By: AC |     |            |               |      |           |  |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|--|
| Analyte              | Result | Reporting Limit | Analyzed   | Method Blank    | BS  | % Recovery | True Value QC | RPD  | Qualifier |  |
| Chloride             | 1720   | 16.0            | 06/08/2023 | ND              | 400 | 100        | 400           | 0.00 |           |  |

| TPH 8015M        |        | mg/kg           |            | Analyzed By: MS |     |            |               |      |           |
|------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte          | Result | Reporting Limit | Analyzed   | Method Blank    | BS  | % Recovery | True Value QC | RPD  | Qualifier |
| GRO C6-C10*      | <10.0  | 10.0            | 06/08/2023 | ND              | 201 | 101        | 200           | 4.85 |           |
| DRO >C10-C28*    | <10.0  | 10.0            | 06/08/2023 | ND              | 197 | 98.3       | 200           | 7.30 |           |
| EXT DRO >C28-C36 | <10.0  | 10.0            | 06/08/2023 | ND              |     |            |               |      |           |

Surrogate: 1-Chlorooctane 60.3 % 48.2-134

Surrogate: 1-Chlorooctadecane 63.4 % 49.1-148

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\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager





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**Analytical Results For:**

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

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

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

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

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

Surrogate: 4-Bromofluorobenzene (PID) 108 % 71.5-134

| Chloride, SM4500CI-B |        | mg/kg           |            | Analyzed By: AC |     |            |               |      |           |  |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|--|
| Analyte              | Result | Reporting Limit | Analyzed   | Method Blank    | BS  | % Recovery | True Value QC | RPD  | Qualifier |  |
| Chloride             | 1800   | 16.0            | 06/08/2023 | ND              | 400 | 100        | 400           | 0.00 |           |  |

| TPH 8015M        |        | mg/kg           |            | Analyzed By: MS |     |            |               |      |           |
|------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte          | Result | Reporting Limit | Analyzed   | Method Blank    | BS  | % Recovery | True Value QC | RPD  | Qualifier |
| GRO C6-C10*      | <10.0  | 10.0            | 06/08/2023 | ND              | 201 | 101        | 200           | 4.85 |           |
| DRO >C10-C28*    | <10.0  | 10.0            | 06/08/2023 | ND              | 197 | 98.3       | 200           | 7.30 |           |
| EXT DRO >C28-C36 | <10.0  | 10.0            | 06/08/2023 | ND              |     |            |               |      |           |

Surrogate: 1-Chlorooctane 50.2 % 48.2-134

Surrogate: 1-Chlorooctadecane 52.6 % 49.1-148

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**Analytical Results For:**

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

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

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

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

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

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

| Chloride, SM4500CI-B |        | mg/kg           |            | Analyzed By: AC |     |            |               |      |           |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte              | Result | Reporting Limit | Analyzed   | Method Blank    | BS  | % Recovery | True Value QC | RPD  | Qualifier |
| Chloride             | 4440   | 16.0            | 06/08/2023 | ND              | 400 | 100        | 400           | 0.00 |           |

| TPH 8015M        |        | mg/kg           |            | Analyzed By: MS |     |            |               |      |           |
|------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte          | Result | Reporting Limit | Analyzed   | Method Blank    | BS  | % Recovery | True Value QC | RPD  | Qualifier |
| GRO C6-C10*      | <10.0  | 10.0            | 06/08/2023 | ND              | 201 | 101        | 200           | 4.85 |           |
| DRO >C10-C28*    | 907    | 10.0            | 06/08/2023 | ND              | 197 | 98.3       | 200           | 7.30 |           |
| EXT DRO >C28-C36 | 333    | 10.0            | 06/08/2023 | ND              |     |            |               |      |           |

Surrogate: 1-Chlorooctane 69.4 % 48.2-134

Surrogate: 1-Chlorooctadecane 124 % 49.1-148

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**Analytical Results For:**

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

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

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

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

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

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

| Chloride, SM4500CI-B |        | mg/kg           |            | Analyzed By: AC |     |            |               |      |           |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte              | Result | Reporting Limit | Analyzed   | Method Blank    | BS  | % Recovery | True Value QC | RPD  | Qualifier |
| Chloride             | 3160   | 16.0            | 06/08/2023 | ND              | 400 | 100        | 400           | 0.00 |           |

| TPH 8015M        |        | mg/kg           |            | Analyzed By: MS |     |            |               |      |           |
|------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte          | Result | Reporting Limit | Analyzed   | Method Blank    | BS  | % Recovery | True Value QC | RPD  | Qualifier |
| GRO C6-C10*      | <10.0  | 10.0            | 06/08/2023 | ND              | 201 | 101        | 200           | 4.85 |           |
| DRO >C10-C28*    | 138    | 10.0            | 06/08/2023 | ND              | 197 | 98.3       | 200           | 7.30 |           |
| EXT DRO >C28-C36 | 42.9   | 10.0            | 06/08/2023 | ND              |     |            |               |      |           |

Surrogate: 1-Chlorooctane 53.1 % 48.2-134

Surrogate: 1-Chlorooctadecane 63.3 % 49.1-148

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**Analytical Results For:**

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

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

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

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

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

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

| Chloride, SM4500CI-B |        | mg/kg           |            | Analyzed By: AC |     |            |               |      |           |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte              | Result | Reporting Limit | Analyzed   | Method Blank    | BS  | % Recovery | True Value QC | RPD  | Qualifier |
| Chloride             | 5120   | 16.0            | 06/08/2023 | ND              | 400 | 100        | 400           | 0.00 |           |

| TPH 8015M        |        | mg/kg           |            | Analyzed By: MS |     |            |               |      |           |
|------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte          | Result | Reporting Limit | Analyzed   | Method Blank    | BS  | % Recovery | True Value QC | RPD  | Qualifier |
| GRO C6-C10*      | <10.0  | 10.0            | 06/08/2023 | ND              | 201 | 101        | 200           | 4.85 |           |
| DRO >C10-C28*    | 333    | 10.0            | 06/08/2023 | ND              | 197 | 98.3       | 200           | 7.30 |           |
| EXT DRO >C28-C36 | 109    | 10.0            | 06/08/2023 | ND              |     |            |               |      |           |

Surrogate: 1-Chlorooctane 54.0 % 48.2-134

Surrogate: 1-Chlorooctadecane 68.8 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager





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**Analytical Results For:**

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

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

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

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

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

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

| Chloride, SM4500CI-B |        | mg/kg           |            | Analyzed By: AC |     |            |               |      |           |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte              | Result | Reporting Limit | Analyzed   | Method Blank    | BS  | % Recovery | True Value QC | RPD  | Qualifier |
| Chloride             | 4960   | 16.0            | 06/08/2023 | ND              | 400 | 100        | 400           | 0.00 |           |

| TPH 8015M        |        | mg/kg           |            | Analyzed By: MS |     |            |               |      |           |
|------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte          | Result | Reporting Limit | Analyzed   | Method Blank    | BS  | % Recovery | True Value QC | RPD  | Qualifier |
| GRO C6-C10*      | <10.0  | 10.0            | 06/08/2023 | ND              | 201 | 101        | 200           | 4.85 |           |
| DRO >C10-C28*    | 389    | 10.0            | 06/08/2023 | ND              | 197 | 98.3       | 200           | 7.30 |           |
| EXT DRO >C28-C36 | 159    | 10.0            | 06/08/2023 | ND              |     |            |               |      |           |

Surrogate: 1-Chlorooctane 53.5 % 48.2-134

Surrogate: 1-Chlorooctadecane 76.9 % 49.1-148

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\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager





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

**Analytical Results For:**

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

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

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

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

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

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

| Chloride, SM4500CI-B |        | mg/kg           |            | Analyzed By: AC |     |            |               |      |           |  |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|--|
| Analyte              | Result | Reporting Limit | Analyzed   | Method Blank    | BS  | % Recovery | True Value QC | RPD  | Qualifier |  |
| Chloride             | 6720   | 16.0            | 06/08/2023 | ND              | 400 | 100        | 400           | 0.00 |           |  |

| TPH 8015M        |        | mg/kg           |            | Analyzed By: MS |     |            |               |      |           |
|------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte          | Result | Reporting Limit | Analyzed   | Method Blank    | BS  | % Recovery | True Value QC | RPD  | Qualifier |
| GRO C6-C10*      | <10.0  | 10.0            | 06/08/2023 | ND              | 201 | 101        | 200           | 4.85 |           |
| DRO >C10-C28*    | 123    | 10.0            | 06/08/2023 | ND              | 197 | 98.3       | 200           | 7.30 |           |
| EXT DRO >C28-C36 | 41.8   | 10.0            | 06/08/2023 | ND              |     |            |               |      |           |

Surrogate: 1-Chlorooctane 63.3 % 48.2-134

Surrogate: 1-Chlorooctadecane 70.5 % 49.1-148

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**Analytical Results For:**

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

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

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

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

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

Surrogate: 4-Bromofluorobenzene (PID) 106 % 71.5-134

| Chloride, SM4500CI-B |        | mg/kg           |            | Analyzed By: AC |     |            |               |      |           |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte              | Result | Reporting Limit | Analyzed   | Method Blank    | BS  | % Recovery | True Value QC | RPD  | Qualifier |
| Chloride             | 3280   | 16.0            | 06/08/2023 | ND              | 400 | 100        | 400           | 0.00 |           |

| TPH 8015M        |        | mg/kg           |            | Analyzed By: MS |     |            |               |      |           |
|------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte          | Result | Reporting Limit | Analyzed   | Method Blank    | BS  | % Recovery | True Value QC | RPD  | Qualifier |
| GRO C6-C10*      | <10.0  | 10.0            | 06/08/2023 | ND              | 201 | 101        | 200           | 4.85 |           |
| DRO >C10-C28*    | 107    | 10.0            | 06/08/2023 | ND              | 197 | 98.3       | 200           | 7.30 |           |
| EXT DRO >C28-C36 | 49.6   | 10.0            | 06/08/2023 | ND              |     |            |               |      |           |

Surrogate: 1-Chlorooctane 48.5 % 48.2-134

Surrogate: 1-Chlorooctadecane 55.6 % 49.1-148

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**Analytical Results For:**

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

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

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

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

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

Surrogate: 4-Bromofluorobenzene (PID) 108 % 71.5-134

| Chloride, SM4500CI-B |        | mg/kg           |            | Analyzed By: AC |     |            |               |      |           |  |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|--|
| Analyte              | Result | Reporting Limit | Analyzed   | Method Blank    | BS  | % Recovery | True Value QC | RPD  | Qualifier |  |
| Chloride             | 8240   | 16.0            | 06/08/2023 | ND              | 400 | 100        | 400           | 0.00 |           |  |

| TPH 8015M        |        | mg/kg           |            | Analyzed By: MS |     |            |               |      |           |
|------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte          | Result | Reporting Limit | Analyzed   | Method Blank    | BS  | % Recovery | True Value QC | RPD  | Qualifier |
| GRO C6-C10*      | <10.0  | 10.0            | 06/08/2023 | ND              | 182 | 91.1       | 200           | 8.88 |           |
| DRO >C10-C28*    | 169    | 10.0            | 06/08/2023 | ND              | 184 | 92.2       | 200           | 7.38 | QM-07     |
| EXT DRO >C28-C36 | 34.2   | 10.0            | 06/08/2023 | ND              |     |            |               |      |           |

Surrogate: 1-Chlorooctane 97.6 % 48.2-134

Surrogate: 1-Chlorooctadecane 116 % 49.1-148

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**Analytical Results For:**

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

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

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

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

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

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

| Chloride, SM4500CI-B |        | mg/kg           |            | Analyzed By: AC |     |            |               |      |           |  |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|--|
| Analyte              | Result | Reporting Limit | Analyzed   | Method Blank    | BS  | % Recovery | True Value QC | RPD  | Qualifier |  |
| Chloride             | 5280   | 16.0            | 06/08/2023 | ND              | 400 | 100        | 400           | 0.00 |           |  |

| TPH 8015M        |        | mg/kg           |            | Analyzed By: MS |     |            |               |      |           |
|------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte          | Result | Reporting Limit | Analyzed   | Method Blank    | BS  | % Recovery | True Value QC | RPD  | Qualifier |
| GRO C6-C10*      | <10.0  | 10.0            | 06/08/2023 | ND              | 182 | 91.1       | 200           | 8.88 |           |
| DRO >C10-C28*    | 1170   | 10.0            | 06/08/2023 | ND              | 184 | 92.2       | 200           | 7.38 |           |
| EXT DRO >C28-C36 | 328    | 10.0            | 06/08/2023 | ND              |     |            |               |      |           |

Surrogate: 1-Chlorooctane 92.7 % 48.2-134

Surrogate: 1-Chlorooctadecane 122 % 49.1-148

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**Analytical Results For:**

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

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

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

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

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

Surrogate: 4-Bromofluorobenzene (PID) 107 % 71.5-134

| Chloride, 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              | 400 | 100        | 400           | 0.00 |           |  |

| TPH 8015M        |        | mg/kg           |            | Analyzed By: MS |     |            |               |      |           |
|------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte          | Result | Reporting Limit | Analyzed   | Method Blank    | BS  | % Recovery | True Value QC | RPD  | Qualifier |
| GRO C6-C10*      | <10.0  | 10.0            | 06/08/2023 | ND              | 182 | 91.1       | 200           | 8.88 |           |
| DRO >C10-C28*    | 87.2   | 10.0            | 06/08/2023 | ND              | 184 | 92.2       | 200           | 7.38 |           |
| EXT DRO >C28-C36 | 20.6   | 10.0            | 06/08/2023 | ND              |     |            |               |      |           |

Surrogate: 1-Chlorooctane 93.5 % 48.2-134

Surrogate: 1-Chlorooctadecane 112 % 49.1-148

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**Analytical Results For:**

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

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

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

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

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

Surrogate: 4-Bromofluorobenzene (PID) 108 % 71.5-134

| Chloride, SM4500CI-B |        | mg/kg           |            | Analyzed By: AC |     |            |               |      |           |  |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|--|
| Analyte              | Result | Reporting Limit | Analyzed   | Method Blank    | BS  | % Recovery | True Value QC | RPD  | Qualifier |  |
| Chloride             | 2680   | 16.0            | 06/08/2023 | ND              | 416 | 104        | 400           | 3.77 | QM-07     |  |

| TPH 8015M        |        | mg/kg           |            | Analyzed By: MS |     |            |               |      |           |
|------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte          | Result | Reporting Limit | Analyzed   | Method Blank    | BS  | % Recovery | True Value QC | RPD  | Qualifier |
| GRO C6-C10*      | <10.0  | 10.0            | 06/08/2023 | ND              | 182 | 91.1       | 200           | 8.88 |           |
| DRO >C10-C28*    | 179    | 10.0            | 06/08/2023 | ND              | 184 | 92.2       | 200           | 7.38 |           |
| EXT DRO >C28-C36 | 74.4   | 10.0            | 06/08/2023 | ND              |     |            |               |      |           |

Surrogate: 1-Chlorooctane 82.0 % 48.2-134

Surrogate: 1-Chlorooctadecane 96.7 % 49.1-148

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CHAD HENSLEY  
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ARTESIA NM, 88210  
Fax To: (575) 745-8905

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

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

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

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

Surrogate: 4-Bromofluorobenzene (PID) 108 % 71.5-134

| Chloride, SM4500Cl-B |        | mg/kg           |            | Analyzed By: AC |     |            |               |      |           |  |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|--|
| Analyte              | Result | Reporting Limit | Analyzed   | Method Blank    | BS  | % Recovery | True Value QC | RPD  | Qualifier |  |
| Chloride             | 9860   | 16.0            | 06/08/2023 | ND              | 416 | 104        | 400           | 3.77 |           |  |

| TPH 8015M        |        | mg/kg           |            | Analyzed By: MS |     |            |               |      |           |
|------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte          | Result | Reporting Limit | Analyzed   | Method Blank    | BS  | % Recovery | True Value QC | RPD  | Qualifier |
| GRO C6-C10*      | <10.0  | 10.0            | 06/08/2023 | ND              | 182 | 91.1       | 200           | 8.88 |           |
| DRO >C10-C28*    | 23.8   | 10.0            | 06/08/2023 | ND              | 184 | 92.2       | 200           | 7.38 |           |
| EXT DRO >C28-C36 | <10.0  | 10.0            | 06/08/2023 | ND              |     |            |               |      |           |

Surrogate: 1-Chlorooctane 77.3 % 48.2-134

Surrogate: 1-Chlorooctadecane 86.6 % 49.1-148

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\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager





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

**Analytical Results For:**

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

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

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

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

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

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

| Chloride, SM4500CI-B |        | mg/kg           |            | Analyzed By: AC |     |            |               |      |           |  |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|--|
| Analyte              | Result | Reporting Limit | Analyzed   | Method Blank    | BS  | % Recovery | True Value QC | RPD  | Qualifier |  |
| Chloride             | 4640   | 16.0            | 06/08/2023 | ND              | 416 | 104        | 400           | 3.77 |           |  |

| TPH 8015M        |        | mg/kg           |            | Analyzed By: MS |     |            |               |      |           |
|------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte          | Result | Reporting Limit | Analyzed   | Method Blank    | BS  | % Recovery | True Value QC | RPD  | Qualifier |
| GRO C6-C10*      | <10.0  | 10.0            | 06/08/2023 | ND              | 182 | 91.1       | 200           | 8.88 |           |
| DRO >C10-C28*    | 437    | 10.0            | 06/08/2023 | ND              | 184 | 92.2       | 200           | 7.38 |           |
| EXT DRO >C28-C36 | 200    | 10.0            | 06/08/2023 | ND              |     |            |               |      |           |

Surrogate: 1-Chlorooctane 97.0 % 48.2-134

Surrogate: 1-Chlorooctadecane 127 % 49.1-148

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**Analytical Results For:**

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

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

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

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

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

Surrogate: 4-Bromofluorobenzene (PID) 126 % 71.5-134

| Chloride, SM4500CI-B |             | mg/kg           |            | Analyzed By: AC |     |            |               |      |           |
|----------------------|-------------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte              | Result      | Reporting Limit | Analyzed   | Method Blank    | BS  | % Recovery | True Value QC | RPD  | Qualifier |
| Chloride             | <b>4880</b> | 16.0            | 06/08/2023 | ND              | 416 | 104        | 400           | 3.77 |           |

| TPH 8015M        |             | mg/kg           |            | Analyzed By: MS |     |            |               |      |           | 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*    | <b>8480</b> | 100             | 06/09/2023 | ND              | 184 | 92.2       | 200           | 7.38 |           |      |
| EXT DRO >C28-C36 | <b>3330</b> | 100             | 06/09/2023 | ND              |     |            |               |      |           |      |

Surrogate: 1-Chlorooctane 86.8 % 48.2-134

Surrogate: 1-Chlorooctadecane 212 % 49.1-148

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**Analytical Results For:**

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

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

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

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

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

Surrogate: 4-Bromofluorobenzene (PID) 96.9 % 71.5-134

| Chloride, SM4500Cl-B |        | mg/kg           |            | Analyzed By: AC |     |            |               |      |           |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte              | Result | Reporting Limit | Analyzed   | Method Blank    | BS  | % Recovery | True Value QC | RPD  | Qualifier |
| Chloride             | 4080   | 16.0            | 06/08/2023 | ND              | 416 | 104        | 400           | 3.77 |           |

| TPH 8015M        |        | mg/kg           |            | Analyzed By: MS |     |            |               |      |           |
|------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte          | Result | Reporting Limit | Analyzed   | Method Blank    | BS  | % Recovery | True Value QC | RPD  | Qualifier |
| GRO C6-C10*      | <10.0  | 10.0            | 06/08/2023 | ND              | 182 | 91.1       | 200           | 8.88 |           |
| DRO >C10-C28*    | 301    | 10.0            | 06/08/2023 | ND              | 184 | 92.2       | 200           | 7.38 |           |
| EXT DRO >C28-C36 | 117    | 10.0            | 06/08/2023 | ND              |     |            |               |      |           |

Surrogate: 1-Chlorooctane 77.1 % 48.2-134

Surrogate: 1-Chlorooctadecane 93.9 % 49.1-148

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**Analytical Results For:**

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

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

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

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

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

Surrogate: 4-Bromofluorobenzene (PID) 101 % 71.5-134

| Chloride, SM4500Cl-B |        | mg/kg           |            | Analyzed By: AC |     |            |               |      |           |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte              | Result | Reporting Limit | Analyzed   | Method Blank    | BS  | % Recovery | True Value QC | RPD  | Qualifier |
| Chloride             | 4960   | 16.0            | 06/08/2023 | ND              | 416 | 104        | 400           | 3.77 |           |

| TPH 8015M        |        | mg/kg           |            | Analyzed By: MS |     |            |               |      |           |
|------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte          | Result | Reporting Limit | Analyzed   | Method Blank    | BS  | % Recovery | True Value QC | RPD  | Qualifier |
| GRO C6-C10*      | <10.0  | 10.0            | 06/08/2023 | ND              | 182 | 91.1       | 200           | 8.88 |           |
| DRO >C10-C28*    | 446    | 10.0            | 06/08/2023 | ND              | 184 | 92.2       | 200           | 7.38 |           |
| EXT DRO >C28-C36 | 205    | 10.0            | 06/08/2023 | ND              |     |            |               |      |           |

Surrogate: 1-Chlorooctane 88.9 % 48.2-134

Surrogate: 1-Chlorooctadecane 103 % 49.1-148

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**Analytical Results For:**

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

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

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

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

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

Surrogate: 4-Bromofluorobenzene (PID) 96.9 % 71.5-134

| Chloride, SM4500CI-B |        | mg/kg           |            | Analyzed By: AC |     |            |               |      |           |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte              | Result | Reporting Limit | Analyzed   | Method Blank    | BS  | % Recovery | True Value QC | RPD  | Qualifier |
| Chloride             | 6240   | 16.0            | 06/08/2023 | ND              | 416 | 104        | 400           | 3.77 |           |

| TPH 8015M        |        | mg/kg           |            | Analyzed By: MS |     |            |               |      |           |
|------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte          | Result | Reporting Limit | Analyzed   | Method Blank    | BS  | % Recovery | True Value QC | RPD  | Qualifier |
| GRO C6-C10*      | <10.0  | 10.0            | 06/08/2023 | ND              | 182 | 91.1       | 200           | 8.88 |           |
| DRO >C10-C28*    | <10.0  | 10.0            | 06/08/2023 | ND              | 184 | 92.2       | 200           | 7.38 |           |
| EXT DRO >C28-C36 | <10.0  | 10.0            | 06/08/2023 | ND              |     |            |               |      |           |

Surrogate: 1-Chlorooctane 88.1 % 48.2-134

Surrogate: 1-Chlorooctadecane 103 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager





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**Analytical Results For:**

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

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

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

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

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

Surrogate: 4-Bromofluorobenzene (PID) 98.5 % 71.5-134

| Chloride, 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           |            | Analyzed By: MS |     |            |               |      |           |
|------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte          | Result | Reporting Limit | Analyzed   | Method Blank    | BS  | % Recovery | True Value QC | RPD  | Qualifier |
| GRO C6-C10*      | <10.0  | 10.0            | 06/08/2023 | ND              | 182 | 91.1       | 200           | 8.88 |           |
| DRO >C10-C28*    | 349    | 10.0            | 06/08/2023 | ND              | 184 | 92.2       | 200           | 7.38 |           |
| EXT DRO >C28-C36 | 142    | 10.0            | 06/08/2023 | ND              |     |            |               |      |           |

Surrogate: 1-Chlorooctane 111 % 48.2-134

Surrogate: 1-Chlorooctadecane 140 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager





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

**Analytical Results For:**

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

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

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

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

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

Surrogate: 4-Bromofluorobenzene (PID) 102 % 71.5-134

| Chloride, SM4500CI-B |        | mg/kg           |            | Analyzed By: AC |     |            |               |      |           |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte              | Result | Reporting Limit | Analyzed   | Method Blank    | BS  | % Recovery | True Value QC | RPD  | Qualifier |
| Chloride             | 14000  | 16.0            | 06/08/2023 | ND              | 416 | 104        | 400           | 3.77 |           |

| TPH 8015M        |        | mg/kg           |            | Analyzed By: MS |     |            |               |      |           |
|------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte          | Result | Reporting Limit | Analyzed   | Method Blank    | BS  | % Recovery | True Value QC | RPD  | Qualifier |
| GRO C6-C10*      | <10.0  | 10.0            | 06/08/2023 | ND              | 182 | 91.1       | 200           | 8.88 |           |
| DRO >C10-C28*    | <10.0  | 10.0            | 06/08/2023 | ND              | 184 | 92.2       | 200           | 7.38 |           |
| EXT DRO >C28-C36 | <10.0  | 10.0            | 06/08/2023 | ND              |     |            |               |      |           |

Surrogate: 1-Chlorooctane 101 % 48.2-134

Surrogate: 1-Chlorooctadecane 111 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager





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**Analytical Results For:**

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

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

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

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

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

Surrogate: 4-Bromofluorobenzene (PID) 98.0 % 71.5-134

| Chloride, SM4500CI-B |        | mg/kg           |            | Analyzed By: AC |     |            |               |      |           |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte              | Result | Reporting Limit | Analyzed   | Method Blank    | BS  | % Recovery | True Value QC | RPD  | Qualifier |
| Chloride             | 5760   | 16.0            | 06/08/2023 | ND              | 416 | 104        | 400           | 3.77 |           |

| TPH 8015M        |        | mg/kg           |            | Analyzed By: MS |     |            |               |      |           |
|------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte          | Result | Reporting Limit | Analyzed   | Method Blank    | BS  | % Recovery | True Value QC | RPD  | Qualifier |
| GRO C6-C10*      | <10.0  | 10.0            | 06/08/2023 | ND              | 182 | 91.1       | 200           | 8.88 |           |
| DRO >C10-C28*    | 15.9   | 10.0            | 06/08/2023 | ND              | 184 | 92.2       | 200           | 7.38 |           |
| EXT DRO >C28-C36 | <10.0  | 10.0            | 06/08/2023 | ND              |     |            |               |      |           |

Surrogate: 1-Chlorooctane 67.8 % 48.2-134

Surrogate: 1-Chlorooctadecane 73.9 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager





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**Analytical Results For:**

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

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

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

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

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

Surrogate: 4-Bromofluorobenzene (PID) 99.4 % 71.5-134

| Chloride, 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           |            | Analyzed By: MS |     |            |               |      |           |
|------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte          | Result | Reporting Limit | Analyzed   | Method Blank    | BS  | % Recovery | True Value QC | RPD  | Qualifier |
| GRO C6-C10*      | <10.0  | 10.0            | 06/08/2023 | ND              | 182 | 91.1       | 200           | 8.88 |           |
| DRO >C10-C28*    | 149    | 10.0            | 06/08/2023 | ND              | 184 | 92.2       | 200           | 7.38 |           |
| EXT DRO >C28-C36 | 52.7   | 10.0            | 06/08/2023 | ND              |     |            |               |      |           |

Surrogate: 1-Chlorooctane 110 % 48.2-134

Surrogate: 1-Chlorooctadecane 128 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager





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**Analytical Results For:**

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

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

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

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

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

Surrogate: 4-Bromofluorobenzene (PID) 97.4 % 71.5-134

| Chloride, SM4500Cl-B |        | mg/kg           |            | Analyzed By: AC |     |            |               |      |           |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte              | Result | Reporting Limit | Analyzed   | Method Blank    | BS  | % Recovery | True Value QC | RPD  | Qualifier |
| Chloride             | 2040   | 16.0            | 06/08/2023 | ND              | 416 | 104        | 400           | 3.77 |           |

| TPH 8015M        |        | mg/kg           |            | Analyzed By: MS |     |            |               |      |           |
|------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte          | Result | Reporting Limit | Analyzed   | Method Blank    | BS  | % Recovery | True Value QC | RPD  | Qualifier |
| GRO C6-C10*      | <10.0  | 10.0            | 06/08/2023 | ND              | 182 | 91.1       | 200           | 8.88 |           |
| DRO >C10-C28*    | <10.0  | 10.0            | 06/08/2023 | ND              | 184 | 92.2       | 200           | 7.38 |           |
| EXT DRO >C28-C36 | <10.0  | 10.0            | 06/08/2023 | ND              |     |            |               |      |           |

Surrogate: 1-Chlorooctane 86.1 % 48.2-134

Surrogate: 1-Chlorooctadecane 92.6 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager





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**Analytical Results For:**

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

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

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

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

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

Surrogate: 4-Bromofluorobenzene (PID) 97.7 % 71.5-134

| Chloride, SM4500CI-B |        | mg/kg           |            | Analyzed By: AC |     |            |               |      |           |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte              | Result | Reporting Limit | Analyzed   | Method Blank    | BS  | % Recovery | True Value QC | RPD  | Qualifier |
| Chloride             | 1800   | 16.0            | 06/08/2023 | ND              | 416 | 104        | 400           | 3.77 |           |

| TPH 8015M        |        | mg/kg           |            | Analyzed By: MS |     |            |               |      |           |
|------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte          | Result | Reporting Limit | Analyzed   | Method Blank    | BS  | % Recovery | True Value QC | RPD  | Qualifier |
| GRO C6-C10*      | <10.0  | 10.0            | 06/08/2023 | ND              | 182 | 91.1       | 200           | 8.88 |           |
| DRO >C10-C28*    | <10.0  | 10.0            | 06/08/2023 | ND              | 184 | 92.2       | 200           | 7.38 |           |
| EXT DRO >C28-C36 | <10.0  | 10.0            | 06/08/2023 | ND              |     |            |               |      |           |

Surrogate: 1-Chlorooctane 102 % 48.2-134

Surrogate: 1-Chlorooctadecane 111 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager





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### Notes and Definitions

|        |   |
|--------|---|
| S-06   | The recovery of this surrogate is outside control limits due to sample dilution required from high analyte concentration and/or matrix interference's.                                  |
| QR-03  | The RPD value for the sample duplicate or MS/MSD was outside of QC acceptance limits due to matrix interference. QC batch accepted based on LCS and/or LCSD recovery and/or RPD values. |
| QM-07  | The spike recovery was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS recovery.  |
| GC-NC1 | 8260 confirmation analysis was performed; initial GC results were not supported by GC/MS analysis and are biased high with interfering compounds.                                       |
| ND     | Analyte NOT DETECTED at or above the reporting limit  |
| RPD    | Relative Percent Difference   |
| **     | Samples not received at proper temperature of 6°C or below.   |
| ***    | Insufficient time to reach temperature.   |
| -      | Chloride by SM4500Cl-B does not require samples be received at or below 6°C<br>Samples reported on an as received basis (wet) unless otherwise noted on report                          |

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

Celey D. Keene, Lab Director/Quality Manager





# CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

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

Company Name: Talon LPE

Project Manager:

Address: 408 W. Texas Ave

City: Artesia State: NM zip: 88210

Phone #: 575.746.8768 Fax #:

Project #: 700438.307.01 Project Owner: EOG

Project Name: MitchellSWD

Project Location: EddyCounty

Sample Name: N.ROSE

## BILL TO

P.O. #:

Company: EOG

Attn: J. Haass

Address:

City:

State: Zip:

Phone #:

Fax #:

## ANALYSIS REQUEST

FOR LAB USE ONLY

Lab I.D.

Sample I.D.

HA33907

Depth 4' 1/2'

2  
3  
4  
5  
6  
7  
8  
9  
10

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

Relinquished By:

Date: 6/6/23

Received By:

Phone Result: ☐ Yes ☐ No

Add'l Phone #:

Fax Result: ☐ Yes ☐ No

Add'l Fax #:

REMARKS:

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

Delivered By: (Circle One)

2.4.1) C.O.C.

Sample Condition

CHECKED BY: (Initials)

Sampler - UPS - Bus - Other:

1.8: #113

Cool Intact

Yes Yes

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## Laboratories






### CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

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

Received by OCD: 6/30/2023 10:59:03 AM

|                               |  |                      |  |                   |  |              |  |             |  |            |  |      |  |     |  |        |  |         |  |            |  |            |  |         |  |      |  |      |  |    |  |     |  |     |  |
|-------------------------------|--|----------------------|--|-------------------|--|--------------|--|-------------|--|------------|--|------|--|-----|--|--------|--|---------|--|------------|--|------------|--|---------|--|------|--|------|--|----|--|-----|--|-----|--|
| Company Name: Talon LPE       |  | <b>BILL TO</b>       |  | ANALYSIS REQUEST  |  |              |  |             |  |            |  |      |  |     |  |        |  |         |  |            |  |            |  |         |  |      |  |      |  |    |  |     |  |     |  |
| Project Manager: C. Hensley   |  | P.O. #:              |  |                   |  |              |  |             |  |            |  |      |  |     |  |        |  |         |  |            |  |            |  |         |  |      |  |      |  |    |  |     |  |     |  |
| Address: 408 W. Texas Ave     |  | Company: EOG         |  |                   |  |              |  |             |  |            |  |      |  |     |  |        |  |         |  |            |  |            |  |         |  |      |  |      |  |    |  |     |  |     |  |
| City: Artesia                 |  | Attn: J. Haass       |  |                   |  |              |  |             |  |            |  |      |  |     |  |        |  |         |  |            |  |            |  |         |  |      |  |      |  |    |  |     |  |     |  |
| Phone #: 575.746.8768         |  | Address:             |  |                   |  |              |  |             |  |            |  |      |  |     |  |        |  |         |  |            |  |            |  |         |  |      |  |      |  |    |  |     |  |     |  |
| Fax #:                        |  | City:                |  |                   |  |              |  |             |  |            |  |      |  |     |  |        |  |         |  |            |  |            |  |         |  |      |  |      |  |    |  |     |  |     |  |
| Project #: 70093830701        |  | State: NM Zip: 88210 |  |                   |  |              |  |             |  |            |  |      |  |     |  |        |  |         |  |            |  |            |  |         |  |      |  |      |  |    |  |     |  |     |  |
| Project Owner: EOG            |  | State:               |  |                   |  |              |  |             |  |            |  |      |  |     |  |        |  |         |  |            |  |            |  |         |  |      |  |      |  |    |  |     |  |     |  |
| Project Name: Mitchell SWD    |  | Zip:                 |  |                   |  |              |  |             |  |            |  |      |  |     |  |        |  |         |  |            |  |            |  |         |  |      |  |      |  |    |  |     |  |     |  |
| Project Location: Eddy County |  | Phone #:             |  |                   |  |              |  |             |  |            |  |      |  |     |  |        |  |         |  |            |  |            |  |         |  |      |  |      |  |    |  |     |  |     |  |
| Sample Name: N. Rose          |  | Fax #:               |  |                   |  |              |  |             |  |            |  |      |  |     |  |        |  |         |  |            |  |            |  |         |  |      |  |      |  |    |  |     |  |     |  |
| FOR LAB USE ONLY              |  | MATRIX               |  | PRESERV.          |  | SAMPLING     |  |             |  |            |  |      |  |     |  |        |  |         |  |            |  |            |  |         |  |      |  |      |  |    |  |     |  |     |  |
| Lab I.D.                      |  | Sample I.D.          |  | (G)RAB OR (C)OMP. |  | # CONTAINERS |  | GROUNDWATER |  | WASTEWATER |  | SOIL |  | OIL |  | SLUDGE |  | OTHER : |  | ACID/BASE: |  | ICE / COOL |  | OTHER : |  | DATE |  | TIME |  | CL |  | BTX |  | TPH |  |
| H339907                       |  | Depth 4 1/2'         |  | C-11              |  | 1            |  | ✓           |  | ✓          |  | ✓    |  | ✓   |  | ✓      |  | ✓       |  | ✓          |  | ✓          |  | ✓       |  | ✓    |  | ✓    |  | ✓  |  | ✓   |  |     |  |
| 12                            |  | C-12                 |  | C                 |  | 1            |  | ✓           |  | ✓          |  | ✓    |  | ✓   |  | ✓      |  | ✓       |  | ✓          |  | ✓          |  | ✓       |  | ✓    |  | ✓    |  | ✓  |  | ✓   |  |     |  |
| 13                            |  | C-13                 |  | C                 |  | 1            |  | ✓           |  | ✓          |  | ✓    |  | ✓   |  | ✓      |  | ✓       |  | ✓          |  | ✓          |  | ✓       |  | ✓    |  | ✓    |  | ✓  |  | ✓   |  |     |  |
| 14                            |  | C-14                 |  | C                 |  | 1            |  | ✓           |  | ✓          |  | ✓    |  | ✓   |  | ✓      |  | ✓       |  | ✓          |  | ✓          |  | ✓       |  | ✓    |  | ✓    |  | ✓  |  | ✓   |  |     |  |
| 15                            |  | C-15                 |  | C                 |  | 1            |  | ✓           |  | ✓          |  | ✓    |  | ✓   |  | ✓      |  | ✓       |  | ✓          |  | ✓          |  | ✓       |  | ✓    |  | ✓    |  | ✓  |  | ✓   |  |     |  |
| 16                            |  | C-16                 |  | C                 |  | 1            |  | ✓           |  | ✓          |  | ✓    |  | ✓   |  | ✓      |  | ✓       |  | ✓          |  | ✓          |  | ✓       |  | ✓    |  | ✓    |  | ✓  |  | ✓   |  |     |  |
| 17                            |  | C-17                 |  | C                 |  | 1            |  | ✓           |  | ✓          |  | ✓    |  | ✓   |  | ✓      |  | ✓       |  | ✓          |  | ✓          |  | ✓       |  | ✓    |  | ✓    |  | ✓  |  | ✓   |  |     |  |
| 18                            |  | C-18                 |  | C                 |  | 1            |  | ✓           |  | ✓          |  | ✓    |  | ✓   |  | ✓      |  | ✓       |  | ✓          |  | ✓          |  | ✓       |  | ✓    |  | ✓    |  | ✓  |  | ✓   |  |     |  |
| 19                            |  | C-19                 |  | C                 |  | 1            |  | ✓           |  | ✓          |  | ✓    |  | ✓   |  | ✓      |  | ✓       |  | ✓          |  | ✓          |  | ✓       |  | ✓    |  | ✓    |  | ✓  |  | ✓   |  |     |  |
| 20                            |  | C-20                 |  | C                 |  | 1            |  | ✓           |  | ✓          |  | ✓    |  | ✓   |  | ✓      |  | ✓       |  | ✓          |  | ✓          |  | ✓       |  | ✓    |  | ✓    |  | ✓  |  | ✓   |  |     |  |

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|   |  |  |  |   |  |  |  |
|---|--|--|--|---|--|--|--|
| Relinquished By:  |  | Date: 6/23/23  |  | Received By:  |  | Date: 6/23/23  |  |
| Time: 1430  |  | Time: 1430   |  | Time: 1430  |  | Time: 1430   |  |
| Relinquished By:  |  | Date:  |  | Received By:  |  | Date:  |  |
| Time:   |  | Time:  |  | Time:   |  | Time:  |  |
| Delivered By: (Circle One) 2.41) E.O.G.   |  | Sample Condition   |  | Checked By:   |  | Checked By:  |  |
| Sampler - UPS - Bus - Other: 1.8: #113  |  | Cool <input type="checkbox"/> Yes <input type="checkbox"/> No          |  | Intact <input type="checkbox"/> Yes <input type="checkbox"/> No                                 |  | Initials:    |  |
| REMARKS:  |  | Phone Result: <input type="checkbox"/> Yes <input type="checkbox"/> No |  | Add'l Phone #:  |  | Fax Result: <input type="checkbox"/> Yes <input type="checkbox"/> No                           |  |
|   |  | Add'l Fax #:   |  |   |  |  |  |

2/5



CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

$$\frac{v}{s}$$













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

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June 19, 2023

CHAD HENSLEY

TALON LPE

408 W. TEXAS AVE.

ARTESIA, NM 88210

RE: MITCHELLSWD

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

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

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

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

Accreditation applies to public drinking water matrices.

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

Sincerely,

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

Celey D. Keene

Lab Director/Quality Manager





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

**Analytical Results For:**

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

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

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

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

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

Surrogate: 4-Bromofluorobenzene (PID) 95.7 % 71.5-134

| Chloride, SM4500Cl-B |        | mg/kg           |            | Analyzed By: AC |     |            |               |      |           |  |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|--|
| Analyte              | Result | Reporting Limit | Analyzed   | Method Blank    | BS  | % Recovery | True Value QC | RPD  | Qualifier |  |
| Chloride             | 320    | 16.0            | 06/14/2023 | ND              | 416 | 104        | 400           | 7.41 |           |  |

| TPH 8015M        |        | mg/kg           |            | Analyzed By: MS |     |            |               |      |           |
|------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte          | Result | Reporting Limit | Analyzed   | Method Blank    | BS  | % Recovery | True Value QC | RPD  | Qualifier |
| GRO C6-C10*      | <10.0  | 10.0            | 06/15/2023 | ND              | 228 | 114        | 200           | 7.26 |           |
| DRO >C10-C28*    | <10.0  | 10.0            | 06/15/2023 | ND              | 233 | 116        | 200           | 5.54 |           |
| EXT DRO >C28-C36 | <10.0  | 10.0            | 06/15/2023 | ND              |     |            |               |      |           |

Surrogate: 1-Chlorooctane 80.6 % 48.2-134

Surrogate: 1-Chlorooctadecane 87.1 % 49.1-148

Cardinal Laboratories

\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager





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### Notes and Definitions

|       |  |
|-------|--|
| QR-04 | The RPD for the BS/BSD was outside of historical limits.   |
| 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<br>Samples reported on an as received basis (wet) unless otherwise noted on report |

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Cardinal Laboratories

\*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

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

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Celey D. Keene, Lab Director/Quality Manager





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

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

|                               |  |                |  |                   |  |              |  |             |  |            |  |      |  |     |  |        |  |         |  |            |  |            |  |         |  |      |  |      |  |    |  |     |  |     |  |  |  |  |  |  |  |  |  |  |  |  |  |
|-------------------------------|--|----------------|--|-------------------|--|--------------|--|-------------|--|------------|--|------|--|-----|--|--------|--|---------|--|------------|--|------------|--|---------|--|------|--|------|--|----|--|-----|--|-----|--|--|--|--|--|--|--|--|--|--|--|--|--|
| Company Name: Talon LPE       |  | <b>BILL TO</b> |  | ANALYSIS REQUEST  |  |              |  |             |  |            |  |      |  |     |  |        |  |         |  |            |  |            |  |         |  |      |  |      |  |    |  |     |  |     |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Project Manager: C. Hensley   |  | P.O. #:        |  |                   |  |              |  |             |  |            |  |      |  |     |  |        |  |         |  |            |  |            |  |         |  |      |  |      |  |    |  |     |  |     |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Address: 408 W. Texas Ave     |  | Company: EOG   |  |                   |  |              |  |             |  |            |  |      |  |     |  |        |  |         |  |            |  |            |  |         |  |      |  |      |  |    |  |     |  |     |  |  |  |  |  |  |  |  |  |  |  |  |  |
| City: Artesia                 |  | Attn: J. Haass |  |                   |  |              |  |             |  |            |  |      |  |     |  |        |  |         |  |            |  |            |  |         |  |      |  |      |  |    |  |     |  |     |  |  |  |  |  |  |  |  |  |  |  |  |  |
| State: NM zip: 88210          |  | Address:       |  |                   |  |              |  |             |  |            |  |      |  |     |  |        |  |         |  |            |  |            |  |         |  |      |  |      |  |    |  |     |  |     |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Phone #: 575.746.8768         |  | City:          |  |                   |  |              |  |             |  |            |  |      |  |     |  |        |  |         |  |            |  |            |  |         |  |      |  |      |  |    |  |     |  |     |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Fax #:                        |  | State:         |  |                   |  |              |  |             |  |            |  |      |  |     |  |        |  |         |  |            |  |            |  |         |  |      |  |      |  |    |  |     |  |     |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Project #: 700438307.01       |  | Zip:           |  |                   |  |              |  |             |  |            |  |      |  |     |  |        |  |         |  |            |  |            |  |         |  |      |  |      |  |    |  |     |  |     |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Project Owner: EOG            |  | Phone #:       |  |                   |  |              |  |             |  |            |  |      |  |     |  |        |  |         |  |            |  |            |  |         |  |      |  |      |  |    |  |     |  |     |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Project Name: Mitchell SMD    |  | Fax #:         |  |                   |  |              |  |             |  |            |  |      |  |     |  |        |  |         |  |            |  |            |  |         |  |      |  |      |  |    |  |     |  |     |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Project Location: Eddy County |  |                |  |                   |  |              |  |             |  |            |  |      |  |     |  |        |  |         |  |            |  |            |  |         |  |      |  |      |  |    |  |     |  |     |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Sample Name: N. Rose          |  |                |  |                   |  |              |  |             |  |            |  |      |  |     |  |        |  |         |  |            |  |            |  |         |  |      |  |      |  |    |  |     |  |     |  |  |  |  |  |  |  |  |  |  |  |  |  |
| FOR LAB USE ONLY              |  |                |  |                   |  |              |  |             |  |            |  |      |  |     |  |        |  |         |  |            |  |            |  |         |  |      |  |      |  |    |  |     |  |     |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Lab I.D.                      |  | Sample I.D.    |  | (G)RAB OR (C)OMP. |  | # CONTAINERS |  | GROUNDWATER |  | WASTEWATER |  | SOIL |  | OIL |  | SLUDGE |  | OTHER : |  | ACID/BASE: |  | ICE / COOL |  | OTHER : |  | DATE |  | TIME |  | CL |  | BTX |  | TPH |  |  |  |  |  |  |  |  |  |  |  |  |  |
| H333055                       |  | SW-2           |  | 4.5'              |  | C1           |  | X           |  | X          |  | X    |  | X   |  | X      |  | X       |  | X          |  | X          |  | X       |  | X    |  | X    |  | X  |  | X   |  | X   |  |  |  |  |  |  |  |  |  |  |  |  |  |
|                               |  |                |  |                   |  |              |  |             |  |            |  |      |  |     |  |        |  |         |  |            |  |            |  |         |  |      |  |      |  |    |  |     |  |     |  |  |  |  |  |  |  |  |  |  |  |  |  |
|                               |  |                |  |                   |  |              |  |             |  |            |  |      |  |     |  |        |  |         |  |            |  |            |  |         |  |      |  |      |  |    |  |     |  |     |  |  |  |  |  |  |  |  |  |  |  |  |  |
|                               |  |                |  |                   |  |              |  |             |  |            |  |      |  |     |  |        |  |         |  |            |  |            |  |         |  |      |  |      |  |    |  |     |  |     |  |  |  |  |  |  |  |  |  |  |  |  |  |
|                               |  |                |  |                   |  |              |  |             |  |            |  |      |  |     |  |        |  |         |  |            |  |            |  |         |  |      |  |      |  |    |  |     |  |     |  |  |  |  |  |  |  |  |  |  |  |  |  |
|                               |  |                |  |                   |  |              |  |             |  |            |  |      |  |     |  |        |  |         |  |            |  |            |  |         |  |      |  |      |  |    |  |     |  |     |  |  |  |  |  |  |  |  |  |  |  |  |  |
|                               |  |                |  |                   |  |              |  |             |  |            |  |      |  |     |  |        |  |         |  |            |  |            |  |         |  |      |  |      |  |    |  |     |  |     |  |  |  |  |  |  |  |  |  |  |  |  |  |
|                               |  |                |  |                   |  |              |  |             |  |            |  |      |  |     |  |        |  |         |  |            |  |            |  |         |  |      |  |      |  |    |  |     |  |     |  |  |  |  |  |  |  |  |  |  |  |  |  |
|                               |  |                |  |                   |  |              |  |             |  |            |  |      |  |     |  |        |  |         |  |            |  |            |  |         |  |      |  |      |  |    |  |     |  |     |  |  |  |  |  |  |  |  |  |  |  |  |  |
|                               |  |                |  |                   |  |              |  |             |  |            |  |      |  |     |  |        |  |         |  |            |  |            |  |         |  |      |  |      |  |    |  |     |  |     |  |  |  |  |  |  |  |  |  |  |  |  |  |
|                               |  |                |  |                   |  |              |  |             |  |            |  |      |  |     |  |        |  |         |  |            |  |            |  |         |  |      |  |      |  |    |  |     |  |     |  |  |  |  |  |  |  |  |  |  |  |  |  |
|                               |  |                |  |                   |  |              |  |             |  |            |  |      |  |     |  |        |  |         |  |            |  |            |  |         |  |      |  |      |  |    |  |     |  |     |  |  |  |  |  |  |  |  |  |  |  |  |  |
|                               |  |                |  |                   |  |              |  |             |  |            |  |      |  |     |  |        |  |         |  |            |  |            |  |         |  |      |  |      |  |    |  |     |  |     |  |  |  |  |  |  |  |  |  |  |  |  |  |
|                               |  |                |  |                   |  |              |  |             |  |            |  |      |  |     |  |        |  |         |  |            |  |            |  |         |  |      |  |      |  |    |  |     |  |     |  |  |  |  |  |  |  |  |  |  |  |  |  |
|                               |  |                |  |                   |  |              |  |             |  |            |  |      |  |     |  |        |  |         |  |            |  |            |  |         |  |      |  |      |  |    |  |     |  |     |  |  |  |  |  |  |  |  |  |  |  |  |  |
|                               |  |                |  |                   |  |              |  |             |  |            |  |      |  |     |  |        |  |         |  |            |  |            |  |         |  |      |  |      |  |    |  |     |  |     |  |  |  |  |  |  |  |  |  |  |  |  |  |
|                               |  |                |  |                   |  |              |  |             |  |            |  |      |  |     |  |        |  |         |  |            |  |            |  |         |  |      |  |      |  |    |  |     |  |     |  |  |  |  |  |  |  |  |  |  |  |  |  |
|                               |  |                |  |                   |  |              |  |             |  |            |  |      |  |     |  |        |  |         |  |            |  |            |  |         |  |      |  |      |  |    |  |     |  |     |  |  |  |  |  |  |  |  |  |  |  |  |  |
|                               |  |                |  |                   |  |              |  |             |  |            |  |      |  |     |  |        |  |         |  |            |  |            |  |         |  |      |  |      |  |    |  |     |  |     |  |  |  |  |  |  |  |  |  |  |  |  |  |
|                               |  |                |  |                   |  |              |  |             |  |            |  |      |  |     |  |        |  |         |  |            |  |            |  |         |  |      |  |      |  |    |  |     |  |     |  |  |  |  |  |  |  |  |  |  |  |  |  |
|                               |  |                |  |                   |  |              |  |             |  |            |  |      |  |     |  |        |  |         |  |            |  |            |  |         |  |      |  |      |  |    |  |     |  |     |  |  |  |  |  |  |  |  |  |  |  |  |  |
|                               |  |                |  |                   |  |              |  |             |  |            |  |      |  |     |  |        |  |         |  |            |  |            |  |         |  |      |  |      |  |    |  |     |  |     |  |  |  |  |  |  |  |  |  |  |  |  |  |
|                               |  |                |  |                   |  |              |  |             |  |            |  |      |  |     |  |        |  |         |  |            |  |            |  |         |  |      |  |      |  |    |  |     |  |     |  |  |  |  |  |  |  |  |  |  |  |  |  |
|                               |  |                |  |                   |  |              |  |             |  |            |  |      |  |     |  |        |  |         |  |            |  |            |  |         |  |      |  |      |  |    |  |     |  |     |  |  |  |  |  |  |  |  |  |  |  |  |  |
|                               |  |                |  |                   |  |              |  |             |  |            |  |      |  |     |  |        |  |         |  |            |  |            |  |         |  |      |  |      |  |    |  |     |  |     |  |  |  |  |  |  |  |  |  |  |  |  |  |
|                               |  |                |  |                   |  |              |  |             |  |            |  |      |  |     |  |        |  |         |  |            |  |            |  |         |  |      |  |      |  |    |  |     |  |     |  |  |  |  |  |  |  |  |  |  |  |  |  |
|                               |  |                |  |                   |  |              |  |             |  |            |  |      |  |     |  |        |  |         |  |            |  |            |  |         |  |      |  |      |  |    |  |     |  |     |  |  |  |  |  |  |  |  |  |  |  |  |  |
|                               |  |                |  |                   |  |              |  |             |  |            |  |      |  |     |  |        |  |         |  |            |  |            |  |         |  |      |  |      |  |    |  |     |  |     |  |  |  |  |  |  |  |  |  |  |  |  |  |
|                               |  |                |  |                   |  |              |  |             |  |            |  |      |  |     |  |        |  |         |  |            |  |            |  |         |  |      |  |      |  |    |  |     |  |     |  |  |  |  |  |  |  |  |  |  |  |  |  |
|                               |  |                |  |                   |  |              |  |             |  |            |  |      |  |     |  |        |  |         |  |            |  |            |  |         |  |      |  |      |  |    |  |     |  |     |  |  |  |  |  |  |  |  |  |  |  |  |  |
|                               |  |                |  |                   |  |              |  |             |  |            |  |      |  |     |  |        |  |         |  |            |  |            |  |         |  |      |  |      |  |    |  |     |  |     |  |  |  |  |  |  |  |  |  |  |  |  |  |
|                               |  |                |  |                   |  |              |  |             |  |            |  |      |  |     |  |        |  |         |  |            |  |            |  |         |  |      |  |      |  |    |  |     |  |     |  |  |  |  |  |  |  |  |  |  |  |  |  |
|                               |  |                |  |                   |  |              |  |             |  |            |  |      |  |     |  |        |  |         |  |            |  |            |  |         |  |      |  |      |  |    |  |     |  |     |  |  |  |  |  |  |  |  |  |  |  |  |  |
|                               |  |                |  |                   |  |              |  |             |  |            |  |      |  |     |  |        |  |         |  |            |  |            |  |         |  |      |  |      |  |    |  |     |  |     |  |  |  |  |  |  |  |  |  |  |  |  |  |
|                               |  |                |  |                   |  |              |  |             |  |            |  |      |  |     |  |        |  |         |  |            |  |            |  |         |  |      |  |      |  |    |  |     |  |     |  |  |  |  |  |  |  |  |  |  |  |  |  |
|                               |  |                |  |                   |  |              |  |             |  |            |  |      |  |     |  |        |  |         |  |            |  |            |  |         |  |      |  |      |  |    |  |     |  |     |  |  |  |  |  |  |  |  |  |  |  |  |  |
|                               |  |                |  |                   |  |              |  |             |  |            |  |      |  |     |  |        |  |         |  |            |  |            |  |         |  |      |  |      |  |    |  |     |  |     |  |  |  |  |  |  |  |  |  |  |  |  |  |
|                               |  |                |  |                   |  |              |  |             |  |            |  |      |  |     |  |        |  |         |  |            |  |            |  |         |  |      |  |      |  |    |  |     |  |     |  |  |  |  |  |  |  |  |  |  |  |  |  |
|                               |  |                |  |                   |  |              |  |             |  |            |  |      |  |     |  |        |  |         |  |            |  |            |  |         |  |      |  |      |  |    |  |     |  |     |  |  |  |  |  |  |  |  |  |  |  |  |  |
|                               |  |                |  |                   |  |              |  |             |  |            |  |      |  |     |  |        |  |         |  |            |  |            |  |         |  |      |  |      |  |    |  |     |  |     |  |  |  |  |  |  |  |  |  |  |  |  |  |
|                               |  |                |  |                   |  |              |  |             |  |            |  |      |  |     |  |        |  |         |  |            |  |            |  |         |  |      |  |      |  |    |  |     |  |     |  |  |  |  |  |  |  |  |  |  |  |  |  |
|                               |  |                |  |                   |  |              |  |             |  |            |  |      |  |     |  |        |  |         |  |            |  |            |  |         |  |      |  |      |  |    |  |     |  |     |  |  |  |  |  |  |  |  |  |  |  |  |  |
|                               |  |                |  |                   |  |              |  |             |  |            |  |      |  |     |  |        |  |         |  |            |  |            |  |         |  |      |  |      |  |    |  |     |  |     |  |  |  |  |  |  |  |  |  |  |  |  |  |
|                               |  |                |  |                   |  |              |  |             |  |            |  |      |  |     |  |        |  |         |  |            |  |            |  |         |  |      |  |      |  |    |  |     |  |     |  |  |  |  |  |  |  |  |  |  |  |  |  |
|                               |  |                |  |                   |  |              |  |             |  |            |  |      |  |     |  |        |  |         |  |            |  |            |  |         |  |      |  |      |  |    |  |     |  |     |  |  |  |  |  |  |  |  |  |  |  |  |  |
|                               |  |                |  |                   |  |              |  |             |  |            |  |      |  |     |  |        |  |         |  |            |  |            |  |         |  |      |  |      |  |    |  |     |  |     |  |  |  |  |  |  |  |  |  |  |  |  |  |
|                               |  |                |  |                   |  |              |  |             |  |            |  |      |  |     |  |        |  |         |  |            |  |            |  |         |  |      |  |      |  |    |  |     |  |     |  |  |  |  |  |  |  |  |  |  |  |  |  |
|                               |  |                |  |                   |  |              |  |             |  |            |  |      |  |     |  |        |  |         |  |            |  |            |  |         |  |      |  |      |  |    |  |     |  |     |  |  |  |  |  |  |  |  |  |  |  |  |  |
|                               |  |                |  |                   |  |              |  |             |  |            |  |      |  |     |  |        |  |         |  |            |  |            |  |         |  |      |  |      |  |    |  |     |  |     |  |  |  |  |  |  |  |  |  |  |  |  |  |
|                               |  |                |  |                   |  |              |  |             |  |            |  |      |  |     |  |        |  |         |  |            |  |            |  |         |  |      |  |      |  |    |  |     |  |     |  |  |  |  |  |  |  |  |  |  |  |  |  |
|                               |  |                |  |                   |  |              |  |             |  |            |  |      |  |     |  |        |  |         |  |            |  |            |  |         |  |      |  |      |  |    |  |     |  |     |  |  |  |  |  |  |  |  |  |  |  |  |  |
|                               |  |                |  |                   |  |              |  |             |  |            |  |      |  |     |  |        |  |         |  |            |  |            |  |         |  |      |  |      |  |    |  |     |  |     |  |  |  |  |  |  |  |  |  |  |  |  |  |
|                               |  |                |  |                   |  |              |  |             |  |            |  |      |  |     |  |        |  |         |  |            |  |            |  |         |  |      |  |      |  |    |  |     |  |     |  |  |  |  |  |  |  |  |  |  |  |  |  |
|                               |  |                |  |                   |  |              |  |             |  |            |  |      |  |     |  |        |  |         |  |            |  |            |  |         |  |      |  |      |  |    |  |     |  |     |  |  |  |  |  |  |  |  |  |  |  |  |  |
|                               |  |                |  |                   |  |              |  |             |  |            |  |      |  |     |  |        |  |         |  |            |  |            |  |         |  |      |  |      |  |    |  |     |  |     |  |  |  |  |  |  |  |  |  |  |  |  |  |
|                               |  |                |  |                   |  |              |  |             |  |            |  |      |  |     |  |        |  |         |  |            |  |            |  |         |  |      |  |      |  |    |  |     |  |     |  |  |  |  |  |  |  |  |  |  |  |  |  |
|                               |  |                |  |                   |  |              |  |             |  |            |  |      |  |     |  |        |  |         |  |            |  |            |  |         |  |      |  |      |  |    |  |     |  |     |  |  |  |  |  |  |  |  |  |  |  |  |  |
|                               |  |                |  |                   |  |              |  |             |  |            |  |      |  |     |  |        |  |         |  |            |  |            |  |         |  |      |  |      |  |    |  |     |  |     |  |  |  |  |  |  |  |  |  |  |  |  |  |
|                               |  |                |  |                   |  |              |  |             |  |            |  |      |  |     |  |        |  |         |  |            |  |            |  |         |  |      |  |      |  |    |  |     |  |     |  |  |  |  |  |  |  |  |  |  |  |  |  |
|                               |  |                |  |                   |  |              |  |             |  |            |  |      |  |     |  |        |  |         |  |            |  |            |  |         |  |      |  |      |  |    |  |     |  |     |  |  |  |  |  |  |  |  |  |  |  |  |  |
|                               |  |                |  |                   |  |              |  |             |  |            |  |      |  |     |  |        |  |         |  |            |  |            |  |         |  |      |  |      |  |    |  |     |  |     |  |  |  |  |  |  |  |  |  |  |  |  |  |
|                               |  |                |  |                   |  |              |  |             |  |            |  |      |  |     |  |        |  |         |  |            |  |            |  |         |  |      |  |      |  |    |  |     |  |     |  |  |  |  |  |  |  |  |  |  |  |  |  |
|                               |  |                |  |                   |  |              |  |             |  |            |  |      |  |     |  |        |  |         |  |            |  |            |  |         |  |      |  |      |  |    |  |     |  |     |  |  |  |  |  |  |  |  |  |  |  |  |  |
|                               |  |                |  |                   |  |              |  |             |  |            |  |      |  |     |  |        |  |         |  |            |  |            |  |         |  |      |  |      |  |    |  |     |  |     |  |  |  |  |  |  |  |  |  |  |  |  |  |
|                               |  |                |  |                   |  |              |  |             |  |            |  |      |  |     |  |        |  |         |  |            |  |            |  |         |  |      |  |      |  |    |  |     |  |     |  |  |  |  |  |  |  |  |  |  |  |  |  |
|                               |  |                |  |                   |  |              |  |             |  |            |  |      |  |     |  |        |  |         |  |            |  |            |  |         |  |      |  |      |  |    |  |     |  |     |  |  |  |  |  |  |  |  |  |  |  |  |  |
|                               |  |                |  |                   |  |              |  |             |  |            |  |      |  |     |  |        |  |         |  |            |  |            |  |         |  |      |  |      |  |    |  |     |  |     |  |  |  |  |  |  |  |  |  |  |  |  |  |
|                               |  |                |  |                   |  |              |  |             |  |            |  |      |  |     |  |        |  |         |  |            |  |            |  |         |  |      |  |      |  |    |  |     |  |     |  |  |  |  |  |  |  |  |  |  |  |  |  |
|                               |  |                |  |                   |  |              |  |             |  |            |  |      |  |     |  |        |  |         |  |            |  |            |  |         |  |      |  |      |  |    |  |     |  |     |  |  |  |  |  |  |  |  |  |  |  |  |  |
|                               |  |                |  |                   |  |              |  |             |  |            |  |      |  |     |  |        |  |         |  |            |  |            |  |         |  |      |  |      |  |    |  |     |  |     |  |  |  |  |  |  |  |  |  |  |  |  |  |
|                               |  |                |  |                   |  |              |  |             |  |            |  |      |  |     |  |        |  |         |  |            |  |            |  |         |  |      |  |      |  |    |  |     |  |     |  |  |  |  |  |  |  |  |  |  |  |  |  |
|                               |  |                |  |                   |  |              |  |             |  |            |  |      |  |     |  |        |  |         |  |            |  |            |  |         |  |      |  |      |  |    |  |     |  |     |  |  |  |  |  |  |  |  |  |  |  |  |  |
|                               |  |                |  |                   |  |              |  |             |  |            |  |      |  |     |  |        |  |         |  |            |  |            |  |         |  |      |  |      |  |    |  |     |  |     |  |  |  |  |  |  |  |  |  |  |  |  |  |
|                               |  |                |  |                   |  |              |  |             |  |            |  |      |  |     |  |        |  |         |  |            |  |            |  |         |  |      |  |      |  |    |  |     |  |     |  |  |  |  |  |  |  |  |  |  |  |  |  |
|                               |  |                |  |                   |  |              |  |             |  |            |  |      |  |     |  |        |  |         |  |            |  |            |  |         |  |      |  |      |  |    |  |     |  |     |  |  |  |  |  |  |  |  |  |  |  |  |  |
|                               |  |                |  |                   |  |              |  |             |  |            |  |      |  |     |  |        |  |         |  |            |  |            |  |         |  |      |  |      |  |    |  |     |  |     |  |  |  |  |  |  |  |  |  |  |  |  |  |
|                               |  |                |  |                   |  |              |  |             |  |            |  |      |  |     |  |        |  |         |  |            |  |            |  |         |  |      |  |      |  |    |  |     |  |     |  |  |  |  |  |  |  |  |  |  |  |  |  |
|                               |  |                |  |                   |  |              |  |             |  |            |  |      |  |     |  |        |  |         |  |            |  |            |  |         |  |      |  |      |  |    |  |     |  |     |  |  |  |  |  |  |  |  |  |  |  |  |  |
|                               |  |                |  |                   |  |              |  |             |  |            |  |      |  |     |  |        |  |         |  |            |  |            |  |         |  |      |  |      |  |    |  |     |  |     |  |  |  |  |  |  |  |  |  |  |  |  |  |
|                               |  |                |  |                   |  |              |  |             |  |            |  |      |  |     |  |        |  |         |  |            |  |            |  |         |  |      |  |      |  |    |  |     |  |     |  |  |  |  |  |  |  |  |  |  |  |  |  |
|                               |  |                |  |                   |  |              |  |             |  |            |  |      |  |     |  |        |  |         |  |            |  |            |  |         |  |      |  |      |  |    |  |     |  |     |  |  |  |  |  |  |  |  |  |  |  |  |  |
|                               |  |                |  |                   |  |              |  |             |  |            |  |      |  |     |  |        |  |         |  |            |  |            |  |         |  |      |  |      |  |    |  |     |  |     |  |  |  |  |  |  |  |  |  |  |  |  |  |
|                               |  |                |  |                   |  |              |  |             |  |            |  |      |  |     |  |        |  |         |  |            |  |            |  |         |  |      |  |      |  |    |  |     |  |     |  |  |  |  |  |  |  |  |  |  |  |  |  |





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

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June 20, 2023

CHAD HENSLEY

TALON LPE

408 W. TEXAS AVE.

ARTESIA, NM 88210

RE: MITCHELL SWD

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

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

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

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

Accreditation applies to public drinking water matrices.

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

Sincerely,

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

Celey D. Keene

Lab Director/Quality Manager





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

**Analytical Results For:**

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

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

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

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

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

Surrogate: 4-Bromofluorobenzene (PID) 97.7 % 71.5-134

| Chloride, SM4500Cl-B |        | mg/kg           |            | Analyzed By: AC |     |            |               |      |           |  |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|--|
| Analyte              | Result | Reporting Limit | Analyzed   | Method Blank    | BS  | % Recovery | True Value QC | RPD  | Qualifier |  |
| Chloride             | 2000   | 16.0            | 06/14/2023 | ND              | 416 | 104        | 400           | 7.41 |           |  |

| TPH 8015M        |        | mg/kg           |            | Analyzed By: MS |     |            |               |      |           |
|------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte          | Result | Reporting Limit | Analyzed   | Method Blank    | BS  | % Recovery | True Value QC | RPD  | Qualifier |
| GRO C6-C10*      | <10.0  | 10.0            | 06/15/2023 | ND              | 207 | 104        | 200           | 14.3 | QM-07     |
| DRO >C10-C28*    | 64.1   | 10.0            | 06/15/2023 | ND              | 188 | 94.1       | 200           | 13.4 |           |
| EXT DRO >C28-C36 | 17.6   | 10.0            | 06/15/2023 | ND              |     |            |               |      |           |

Surrogate: 1-Chlorooctane 103 % 48.2-134

Surrogate: 1-Chlorooctadecane 110 % 49.1-148

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\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager





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

**Analytical Results For:**

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

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

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

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

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

Surrogate: 4-Bromofluorobenzene (PID) 99.3 % 71.5-134

| Chloride, SM4500CI-B |        | mg/kg           |            | Analyzed By: AC |     |            |               |      |           |  |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|--|
| Analyte              | Result | Reporting Limit | Analyzed   | Method Blank    | BS  | % Recovery | True Value QC | RPD  | Qualifier |  |
| Chloride             | 2200   | 16.0            | 06/14/2023 | ND              | 416 | 104        | 400           | 7.41 |           |  |

| TPH 8015M        |        | mg/kg           |            | Analyzed By: MS |     |            |               |      |           |
|------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte          | Result | Reporting Limit | Analyzed   | Method Blank    | BS  | % Recovery | True Value QC | RPD  | Qualifier |
| GRO C6-C10*      | <10.0  | 10.0            | 06/15/2023 | ND              | 207 | 104        | 200           | 14.3 |           |
| DRO >C10-C28*    | 161    | 10.0            | 06/15/2023 | ND              | 188 | 94.1       | 200           | 13.4 |           |
| EXT DRO >C28-C36 | 55.6   | 10.0            | 06/15/2023 | ND              |     |            |               |      |           |

Surrogate: 1-Chlorooctane 124 % 48.2-134

Surrogate: 1-Chlorooctadecane 128 % 49.1-148

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**Analytical Results For:**

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

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

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

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

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

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

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

| TPH 8015M        |        | mg/kg           |            | Analyzed By: MS |     |            |               |      |           |
|------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte          | Result | Reporting Limit | Analyzed   | Method Blank    | BS  | % Recovery | True Value QC | RPD  | Qualifier |
| GRO C6-C10*      | <10.0  | 10.0            | 06/15/2023 | ND              | 207 | 104        | 200           | 14.3 |           |
| DRO >C10-C28*    | 4170   | 10.0            | 06/15/2023 | ND              | 188 | 94.1       | 200           | 13.4 |           |
| EXT DRO >C28-C36 | 1420   | 10.0            | 06/15/2023 | ND              |     |            |               |      |           |

Surrogate: 1-Chlorooctane 91.2 % 48.2-134

Surrogate: 1-Chlorooctadecane 132 % 49.1-148

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**Analytical Results For:**

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

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

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

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

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

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

| Chloride, SM4500CI-B |        | mg/kg           |            | Analyzed By: AC |     |            |               |      |           |  |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|--|
| Analyte              | Result | Reporting Limit | Analyzed   | Method Blank    | BS  | % Recovery | True Value QC | RPD  | Qualifier |  |
| Chloride             | 4520   | 16.0            | 06/14/2023 | ND              | 416 | 104        | 400           | 7.41 |           |  |

| TPH 8015M        |        | mg/kg           |            | Analyzed By: MS |     |            |               |      |           |
|------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte          | Result | Reporting Limit | Analyzed   | Method Blank    | BS  | % Recovery | True Value QC | RPD  | Qualifier |
| GRO C6-C10*      | <10.0  | 10.0            | 06/15/2023 | ND              | 207 | 104        | 200           | 14.3 |           |
| DRO >C10-C28*    | 1010   | 10.0            | 06/15/2023 | ND              | 188 | 94.1       | 200           | 13.4 |           |
| EXT DRO >C28-C36 | 313    | 10.0            | 06/15/2023 | ND              |     |            |               |      |           |

Surrogate: 1-Chlorooctane 94.4 % 48.2-134

Surrogate: 1-Chlorooctadecane 97.4 % 49.1-148

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**Analytical Results For:**

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

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

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

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

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

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

| Chloride, SM4500Cl-B |        | mg/kg           |            | Analyzed By: AC |     |            |               |      |           |  |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|--|
| Analyte              | Result | Reporting Limit | Analyzed   | Method Blank    | BS  | % Recovery | True Value QC | RPD  | Qualifier |  |
| Chloride             | 4000   | 16.0            | 06/14/2023 | ND              | 416 | 104        | 400           | 7.41 |           |  |

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

Surrogate: 1-Chlorooctane 80.6 % 48.2-134

Surrogate: 1-Chlorooctadecane 84.2 % 49.1-148

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**Analytical Results For:**

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

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

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

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

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

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

| Chloride, SM4500CI-B |        | mg/kg           |            | Analyzed By: AC |     |            |               |      |           |  |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|--|
| Analyte              | Result | Reporting Limit | Analyzed   | Method Blank    | BS  | % Recovery | True Value QC | RPD  | Qualifier |  |
| Chloride             | 6240   | 16.0            | 06/14/2023 | ND              | 416 | 104        | 400           | 7.41 |           |  |

| TPH 8015M        |        | mg/kg           |            | Analyzed By: MS |     |            |               |      |           |
|------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte          | Result | Reporting Limit | Analyzed   | Method Blank    | BS  | % Recovery | True Value QC | RPD  | Qualifier |
| GRO C6-C10*      | <10.0  | 10.0            | 06/15/2023 | ND              | 207 | 104        | 200           | 14.3 |           |
| DRO >C10-C28*    | 83.2   | 10.0            | 06/15/2023 | ND              | 188 | 94.1       | 200           | 13.4 |           |
| EXT DRO >C28-C36 | 20.6   | 10.0            | 06/15/2023 | ND              |     |            |               |      |           |

Surrogate: 1-Chlorooctane 84.3 % 48.2-134

Surrogate: 1-Chlorooctadecane 91.9 % 49.1-148

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**Analytical Results For:**

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

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

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

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

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

Surrogate: 4-Bromofluorobenzene (PID) 107 % 71.5-134

| Chloride, SM4500CI-B |        | mg/kg           |            | Analyzed By: AC |     |            |               |      |           |  |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|--|
| Analyte              | Result | Reporting Limit | Analyzed   | Method Blank    | BS  | % Recovery | True Value QC | RPD  | Qualifier |  |
| Chloride             | 4160   | 16.0            | 06/14/2023 | ND              | 416 | 104        | 400           | 7.41 |           |  |

| TPH 8015M        |        | mg/kg           |            | Analyzed By: MS |     |            |               |      |           |
|------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte          | Result | Reporting Limit | Analyzed   | Method Blank    | BS  | % Recovery | True Value QC | RPD  | Qualifier |
| GRO C6-C10*      | <10.0  | 10.0            | 06/15/2023 | ND              | 207 | 104        | 200           | 14.3 |           |
| DRO >C10-C28*    | 223    | 10.0            | 06/15/2023 | ND              | 188 | 94.1       | 200           | 13.4 |           |
| EXT DRO >C28-C36 | 55.1   | 10.0            | 06/15/2023 | ND              |     |            |               |      |           |

Surrogate: 1-Chlorooctane 88.7 % 48.2-134

Surrogate: 1-Chlorooctadecane 94.9 % 49.1-148

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**Analytical Results For:**

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

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

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

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

| BTEx 8021B     |        | mg/kg           |            | Analyzed By: JH/ |      |            |               |       |           |
|----------------|--------|-----------------|------------|------------------|------|------------|---------------|-------|-----------|
| Analyte        | Result | Reporting Limit | Analyzed   | Method Blank     | BS   | % Recovery | True Value QC | RPD   | Qualifier |
| Benzene*       | <0.050 | 0.050           | 06/17/2023 | ND               | 2.24 | 112        | 2.00          | 1.59  |           |
| Toluene*       | <0.050 | 0.050           | 06/17/2023 | ND               | 2.18 | 109        | 2.00          | 0.199 |           |
| Ethylbenzene*  | <0.050 | 0.050           | 06/17/2023 | ND               | 2.22 | 111        | 2.00          | 1.25  |           |
| Total Xylenes* | <0.150 | 0.150           | 06/17/2023 | ND               | 6.54 | 109        | 6.00          | 1.26  |           |
| Total BTEx     | <0.300 | 0.300           | 06/17/2023 | ND               |      |            |               |       |           |

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

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

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

Surrogate: 1-Chlorooctane 93.7 % 48.2-134

Surrogate: 1-Chlorooctadecane 102 % 49.1-148

Cardinal Laboratories

\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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### Notes and Definitions

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

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Cardinal Laboratories

\*=Accredited Analyte

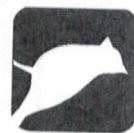
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A handwritten signature in black ink, appearing to read "Celey D. Keene".

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Celey D. Keene, Lab Director/Quality Manager





**CARDINAL**  
Laboratories

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

## CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

| Company Name: Talon LPE                     |             |                                     |   |                                     |                                     |
|---|-------------|-------------------------------------|---|-------------------------------------|-------------------------------------|
| Project Manager: C. Hensley                 |             |                                     |   |                                     |                                     |
| Address: 408 W. Texas Ave                   |             |                                     |   |                                     |                                     |
| City: Artesia                               |             |                                     |   |                                     |                                     |
| State: NM zip: 88210                        |             |                                     |   |                                     |                                     |
| Phone #: 575.746.8768 Fax #:                |             |                                     |   |                                     |                                     |
| Project #: 700438.307.01 Project Owner: EOG |             |                                     |   |                                     |                                     |
| Project Name: SWD Mitchell                  |             |                                     |   |                                     |                                     |
| Project Location: Eddy County               |             |                                     |   |                                     |                                     |
| Sampler Name: N. Rose                       |             |                                     |   |                                     |                                     |
| FOR LAB USE ONLY                            |             |                                     |   |                                     |                                     |
|   |             |                                     |   |                                     |                                     |
| Lab I.D.                                    | Sample I.D. | (G)RAB OR (C)OMP.                   | P.O. #:   | BILL TO                             |                                     |
|   |             | # CONTAINERS                        | Company: EOG                                    |                                     |                                     |
|   |             | GROUNDWATER                         | Attn: J. Haass                                  |                                     |                                     |
|   |             | WASTEWATER                          | Address:  |                                     |                                     |
|   |             | SOIL                                | City:   |                                     |                                     |
|   |             | OIL                                 | State:  |                                     |                                     |
|   |             | SLUDGE                              | Phone #:  |                                     |                                     |
|   |             | OTHER :                             | Fax #:  |                                     |                                     |
|   |             | ACID/BASE:<br>ICE / COOL<br>OTHER : | PRESERV.<br><input checked="" type="checkbox"/> | SAMPLING                            |                                     |
| C-27 18'                                    | C 1         | DATE TIME                           | CL  | BTEX                                | TPH                                 |
| H233658                                     | Depth       | 6/12/23 1301                        | <input checked="" type="checkbox"/>             | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> |
| 2 C-28                                      |             | 1306                                | <input checked="" type="checkbox"/>             | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> |
| 3 C-29                                      |             | 1313                                | <input checked="" type="checkbox"/>             | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> |
| 4 C-30                                      |             | 1322                                | <input checked="" type="checkbox"/>             | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> |
| 5 C-33                                      |             | 1327                                | <input checked="" type="checkbox"/>             | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> |
| 6 C-34                                      |             | 1334                                | <input checked="" type="checkbox"/>             | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> |
| 7 C-35                                      |             | 1351                                | <input checked="" type="checkbox"/>             | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> |
| 8 C-36                                      |             | 1358                                | <input checked="" type="checkbox"/>             | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> |

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**Relinquished By:** \_\_\_\_\_ **Date:** \_\_\_\_\_ **Received By:** \_\_\_\_\_

Relinquished By:

Date: 11/25/2023

Received By:

Relinquished By:

Date:

Received By:

Delivered By: (Circle One)

#113

### Sample Condition

CHECKED BY.

Sampler - UPS - Bus - Other:

080/140

~~Cool      Intact~~  
~~☐ Yes    ☐ Yes~~

(Initials)

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

REMARKS:

1153

NAME: \_\_\_\_\_

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

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June 21, 2023

CHAD HENSLEY

TALON LPE

408 W. TEXAS AVE.

ARTESIA, NM 88210

RE: MITCHELL SWD

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

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

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

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

Accreditation applies to public drinking water matrices.

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

Sincerely,

A handwritten signature in black ink that reads "Celey D. Keene". The signature is written in a cursive, flowing style.

Celey D. Keene

Lab Director/Quality Manager





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

**Analytical Results For:**

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

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

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

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

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

Surrogate: 4-Bromofluorobenzene (PID) 105 % 71.5-134

| Chloride, SM4500Cl-B |        |                 | mg/kg      |              | Analyzed By: AC |            |               |      |           |
|----------------------|--------|-----------------|------------|--------------|-----------------|------------|---------------|------|-----------|
| Analyte              | Result | Reporting Limit | Analyzed   | Method Blank | BS              | % Recovery | True Value QC | RPD  | Qualifier |
| Chloride             | 560    | 16.0            | 06/21/2023 | ND           | 400             | 100        | 400           | 3.92 |           |

| TPH 8015M        |        |                 | mg/kg      |              | Analyzed By: MS |            |               |      |           |
|------------------|--------|-----------------|------------|--------------|-----------------|------------|---------------|------|-----------|
| Analyte          | Result | Reporting Limit | Analyzed   | Method Blank | BS              | % Recovery | True Value QC | RPD  | Qualifier |
| GRO C6-C10*      | <10.0  | 10.0            | 06/20/2023 | ND           | 212             | 106        | 200           | 8.41 |           |
| DRO >C10-C28*    | 13.5   | 10.0            | 06/20/2023 | ND           | 194             | 96.9       | 200           | 11.1 |           |
| EXT DRO >C28-C36 | 13.3   | 10.0            | 06/20/2023 | ND           |                 |            |               |      |           |

Surrogate: 1-Chlorooctane 94.6 % 48.2-134

Surrogate: 1-Chlorooctadecane 95.3 % 49.1-148

Cardinal Laboratories

\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager





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**Analytical Results For:**

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

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

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

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

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

Surrogate: 4-Bromofluorobenzene (PID) 105 % 71.5-134

| Chloride, 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           |            | Analyzed By: MS |     |            |               |      |           |
|------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte          | Result | Reporting Limit | Analyzed   | Method Blank    | BS  | % Recovery | True Value QC | RPD  | Qualifier |
| GRO C6-C10*      | <10.0  | 10.0            | 06/20/2023 | ND              | 212 | 106        | 200           | 8.41 |           |
| DRO >C10-C28*    | <10.0  | 10.0            | 06/20/2023 | ND              | 194 | 96.9       | 200           | 11.1 |           |
| EXT DRO >C28-C36 | <10.0  | 10.0            | 06/20/2023 | ND              |     |            |               |      |           |

Surrogate: 1-Chlorooctane 68.7 % 48.2-134

Surrogate: 1-Chlorooctadecane 68.9 % 49.1-148

Cardinal Laboratories

\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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### Notes and Definitions

|       |  |
|-------|--|
| QM-07 | The spike recovery was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS recovery.                               |
| GC-NC | 8260 confirmation analysis was performed; initial GC results were not supported by GC/MS analysis and are reported as ND.                                      |
| ND    | Analyte NOT DETECTED at or above the reporting limit   |
| RPD   | Relative Percent Difference  |
| **    | Samples not received at proper temperature of 6°C or below.  |
| ***   | Insufficient time to reach temperature.  |
| -     | Chloride by SM4500Cl-B does not require samples be received at or below 6°C<br>Samples reported on an as received basis (wet) unless otherwise noted on report |

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\*=Accredited Analyte

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

Celey D. Keene, Lab Director/Quality Manager





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

## CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

[illegible]





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

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June 26, 2023

CHAD HENSLEY

TALON LPE

408 W. TEXAS AVE.

ARTESIA, NM 88210

RE: EOG MITCHELL SWD

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

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

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

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

Accreditation applies to public drinking water matrices.

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

Sincerely,

A handwritten signature in black ink that reads "Celey D. Keene".

Celey D. Keene

Lab Director/Quality Manager





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

**Analytical Results For:**

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

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

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

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

| BTX 8021B      |        | mg/kg           |            | Analyzed By: MS |      |            |               |         |           |
|----------------|--------|-----------------|------------|-----------------|------|------------|---------------|---------|-----------|
| Analyte        | Result | Reporting Limit | Analyzed   | Method Blank    | BS   | % Recovery | True Value QC | RPD     | Qualifier |
| Benzene*       | <0.050 | 0.050           | 06/23/2023 | 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 BTX      | <0.300 | 0.300           | 06/23/2023 | ND              |      |            |               |         |           |

Surrogate: 4-Bromofluorobenzene (PID) 105 % 71.5-134

| Chloride, SM4500Cl-B |        | mg/kg           |            | Analyzed By: AC |     |            |               |      |           |  |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|--|
| Analyte              | Result | Reporting Limit | Analyzed   | Method Blank    | BS  | % Recovery | True Value QC | RPD  | Qualifier |  |
| Chloride             | 1570   | 16.0            | 06/26/2023 | ND              | 416 | 104        | 400           | 0.00 |           |  |

| TPH 8015M        |        | mg/kg           |            | Analyzed By: MS |     |            |               |      |           |
|------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte          | Result | Reporting Limit | Analyzed   | Method Blank    | BS  | % Recovery | True Value QC | RPD  | Qualifier |
| GRO C6-C10*      | <10.0  | 10.0            | 06/24/2023 | ND              | 153 | 76.7       | 200           | 26.0 |           |
| DRO >C10-C28*    | 54.2   | 10.0            | 06/24/2023 | ND              | 152 | 76.2       | 200           | 26.9 |           |
| EXT DRO >C28-C36 | <10.0  | 10.0            | 06/24/2023 | ND              |     |            |               |      |           |

Surrogate: 1-Chlorooctane 121 % 48.2-134

Surrogate: 1-Chlorooctadecane 139 % 49.1-148

Cardinal Laboratories

\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager





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**Analytical Results For:**

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

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

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

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

| BTX 8021B      |        | mg/kg           |            | Analyzed By: MS |      |            |               |         |           |
|----------------|--------|-----------------|------------|-----------------|------|------------|---------------|---------|-----------|
| Analyte        | Result | Reporting Limit | Analyzed   | Method Blank    | BS   | % Recovery | True Value QC | RPD     | Qualifier |
| Benzene*       | <0.050 | 0.050           | 06/23/2023 | 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 BTX      | <0.300 | 0.300           | 06/23/2023 | ND              |      |            |               |         |           |

Surrogate: 4-Bromofluorobenzene (PID) 104 % 71.5-134

| Chloride, SM4500CI-B |        | mg/kg           |            | Analyzed By: AC |     |            |               |      |           |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte              | Result | Reporting Limit | Analyzed   | Method Blank    | BS  | % Recovery | True Value QC | RPD  | Qualifier |
| Chloride             | 2320   | 16.0            | 06/26/2023 | ND              | 416 | 104        | 400           | 0.00 |           |

| TPH 8015M        |        | mg/kg           |            | Analyzed By: MS |     |            |               |      |           |
|------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte          | Result | Reporting Limit | Analyzed   | Method Blank    | BS  | % Recovery | True Value QC | RPD  | Qualifier |
| GRO C6-C10*      | <10.0  | 10.0            | 06/24/2023 | ND              | 153 | 76.7       | 200           | 26.0 |           |
| DRO >C10-C28*    | <10.0  | 10.0            | 06/24/2023 | ND              | 152 | 76.2       | 200           | 26.9 |           |
| EXT DRO >C28-C36 | <10.0  | 10.0            | 06/24/2023 | ND              |     |            |               |      |           |

Surrogate: 1-Chlorooctane 108 % 48.2-134

Surrogate: 1-Chlorooctadecane 118 % 49.1-148

Cardinal Laboratories

\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager





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

**Analytical Results For:**

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

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

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

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

| BTX 8021B      |        | mg/kg           |            | Analyzed By: MS |      |            |               |         |           |
|----------------|--------|-----------------|------------|-----------------|------|------------|---------------|---------|-----------|
| Analyte        | Result | Reporting Limit | Analyzed   | Method Blank    | BS   | % Recovery | True Value QC | RPD     | Qualifier |
| Benzene*       | <0.050 | 0.050           | 06/23/2023 | 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 BTX      | <0.300 | 0.300           | 06/23/2023 | ND              |      |            |               |         |           |

Surrogate: 4-Bromofluorobenzene (PID) 105 % 71.5-134

| Chloride, SM4500CI-B |        | mg/kg           |            | Analyzed By: AC |     |            |               |      |           |  |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|--|
| Analyte              | Result | Reporting Limit | Analyzed   | Method Blank    | BS  | % Recovery | True Value QC | RPD  | Qualifier |  |
| Chloride             | 4920   | 16.0            | 06/26/2023 | ND              | 416 | 104        | 400           | 0.00 |           |  |

| TPH 8015M        |        | mg/kg           |            | Analyzed By: MS |     |            |               |      |           |
|------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte          | Result | Reporting Limit | Analyzed   | Method Blank    | BS  | % Recovery | True Value QC | RPD  | Qualifier |
| GRO C6-C10*      | <10.0  | 10.0            | 06/24/2023 | ND              | 153 | 76.7       | 200           | 26.0 |           |
| DRO >C10-C28*    | 14.8   | 10.0            | 06/24/2023 | ND              | 152 | 76.2       | 200           | 26.9 |           |
| EXT DRO >C28-C36 | <10.0  | 10.0            | 06/24/2023 | ND              |     |            |               |      |           |

Surrogate: 1-Chlorooctane 104 % 48.2-134

Surrogate: 1-Chlorooctadecane 124 % 49.1-148

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### Notes and Definitions

|       |  |
|-------|--|
| QR-04 | The RPD for the BS/BSD was outside of historical limits.   |
| BS-3  | Blank spike recovery outside of lab established statistical limits, but still within method limits. Data is not adversely affected.                            |
| ND    | Analyte NOT DETECTED at or above the reporting limit   |
| RPD   | Relative Percent Difference  |
| **    | Samples not received at proper temperature of 6°C or below.  |
| ***   | Insufficient time to reach temperature.  |
| -     | Chloride by SM4500Cl-B does not require samples be received at or below 6°C<br>Samples reported on an as received basis (wet) unless otherwise noted on report |

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

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Celey D. Keene, Lab Director/Quality Manager









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June 29, 2023

CHAD HENSLEY

TALON LPE

408 W. TEXAS AVE.

ARTESIA, NM 88210

RE: MITCHELL

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

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

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

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

Accreditation applies to public drinking water matrices.

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

Sincerely,

A handwritten signature in black ink that reads "Celey D. Keene".

Celey D. Keene

Lab Director/Quality Manager





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

**Analytical Results For:**

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

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

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

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

| BTEX 8021B     |        | mg/kg           |            | Analyzed By: MS |      |            |               |      |           |  |
|----------------|--------|-----------------|------------|-----------------|------|------------|---------------|------|-----------|--|
| Analyte        | Result | Reporting Limit | Analyzed   | Method Blank    | BS   | % Recovery | True Value QC | RPD  | Qualifier |  |
| Benzene*       | <0.050 | 0.050           | 06/29/2023 | ND              | 2.25 | 112        | 2.00          | 3.93 |           |  |
| Toluene*       | <0.050 | 0.050           | 06/29/2023 | ND              | 2.26 | 113        | 2.00          | 4.52 |           |  |
| Ethylbenzene*  | <0.050 | 0.050           | 06/29/2023 | ND              | 2.12 | 106        | 2.00          | 1.67 |           |  |
| Total Xylenes* | <0.150 | 0.150           | 06/29/2023 | ND              | 6.55 | 109        | 6.00          | 1.06 |           |  |
| Total BTEX     | <0.300 | 0.300           | 06/29/2023 | ND              |      |            |               |      |           |  |

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

| Chloride, SM4500Cl-B |        | mg/kg           |            | Analyzed By: AC |     |            |               |      |           |  |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|--|
| Analyte              | Result | Reporting Limit | Analyzed   | Method Blank    | BS  | % Recovery | True Value QC | RPD  | Qualifier |  |
| Chloride             | 1420   | 16.0            | 06/29/2023 | ND              | 416 | 104        | 400           | 0.00 |           |  |

| TPH 8015M        |        | mg/kg           |            | Analyzed By: MS |     |            |               |      |           |
|------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte          | Result | Reporting Limit | Analyzed   | Method Blank    | BS  | % Recovery | True Value QC | RPD  | Qualifier |
| GRO C6-C10*      | <10.0  | 10.0            | 06/29/2023 | ND              | 164 | 82.1       | 200           | 3.17 |           |
| DRO >C10-C28*    | 15.5   | 10.0            | 06/29/2023 | ND              | 169 | 84.3       | 200           | 4.15 |           |
| EXT DRO >C28-C36 | <10.0  | 10.0            | 06/29/2023 | ND              |     |            |               |      |           |

Surrogate: 1-Chlorooctane 91.3 % 48.2-134

Surrogate: 1-Chlorooctadecane 102 % 49.1-148

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\*=Accredited Analyte

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### Notes and Definitions

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

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A handwritten signature in cursive script, appearing to read "Celey D. Keene".

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Celey D. Keene, Lab Director/Quality Manager







**CARDINAL**  
Laboratories

# CHAIN-OF-CUSTODY AND ANALYSIS REQUEST


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

|   |  |  |  |   |  |  |  |
|---|--|--|--|---|--|--|--|
| <b>Company Name:</b> Talon LPE<br><b>Project Manager:</b> C. Hensley<br><b>Address:</b> 408 W. Texas Ave<br><b>City:</b> Artesia<br><b>Phone #:</b> 575.746.8768<br><b>Project #:</b> 700438.307.01<br><b>Project Name:</b> Mitchell<br><b>Project Location:</b> Eddy County<br><b>Sample Name:</b> N. Rose |  |  |  | <b>P.O. #:</b><br><b>Company:</b> EOG<br><b>Attn:</b> J. Haass<br><b>Address:</b><br><b>City:</b><br><b>State:</b> Zip:<br><b>Phone #:</b><br><b>Fax #:</b> |  |  |  |
| <b>FOR LAB USE ONLY</b>   |  |  |  | <b>BILL TO</b>  |  |  |  |
| <b>Lab I.D.</b>   |  |  |  | <b>Sample I.D.</b>  |  |  |  |
| (G) RAB OR (C) OMP.   |  |  |  | # CONTAINERS  |  |  |  |
| GROUNDWATER   |  |  |  | WASTEWATER  |  |  |  |
| SOIL  |  |  |  | OIL   |  |  |  |
| SLUDGE  |  |  |  | OTHER :   |  |  |  |
| ACID/BASE:  |  |  |  | ICE / COOL  |  |  |  |
| OTHER :   |  |  |  | DATE  |  |  |  |
| TIME  |  |  |  | CL  |  |  |  |
| BTEX  |  |  |  | TPH   |  |  |  |
| 6/28/2016   |  |  |  | 1600  |  |  |  |
| MATRIX  |  |  |  | PRESERV.  |  |  |  |
| SAMPLING  |  |  |  | ANALYSIS REQUEST  |  |  |  |

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|  |   |  |   |
|--|---|--|---|
| <b>Relinquished By:</b><br> | <b>Date:</b> 6/28/16<br><b>Time:</b> 0809 | <b>Received By:</b><br> | <b>Date:</b> 6/28/16<br><b>Time:</b> 0809 |
| <b>Relinquished By:</b>  | <b>Date:</b>                              | <b>Received By:</b>  | <b>Date:</b>                              |

**Delivered By: (Circle One)** 3.1c) C.O.C.  
**Sampler - UPS - Bus - Other:** 28c: #113

|   |  |
|---|--|
| <b>Sample Condition</b><br>Cool <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No<br>Intact <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No | <b>CHECKED BY:</b><br> |
|---|--|

**REMARKS:** 24 Hour



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

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

CONDITIONS  
  
Action 234917

CONDITIONS

|  |   |
|--|---|
| Operator:<br>EOG RESOURCES INC<br>P.O. Box 2267<br>Midland, TX 79702 | OGRID:<br>7377  |
|  | Action Number:<br>234917                                  |
|  | Action Type:<br>[C-141] Release Corrective Action (C-141) |

CONDITIONS

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