Pima Environmental Services, LLC
1601 N. Turner Ste 500
Hobbs, NM 88240
575-964-7740

September 8, 2020

NMOCD District 2
Mr. Mike Bratcher
811 S. First Street
Artesia, NM 88210

Bureau of Land Management
Mr. Jim Amos
620 East Green Street
Carlsbad, NM 88220

**Re: Site Remediation and Closure Report**
**New Mexico Federal #1**
**API No. 30-025-29605**
**GPS: Latitude 32.7347183 Longitude -103.6099854**
**UL "H", Sec. 24, T187S, R33E**
**Lea County, NM**
**NMOCD Ref. No. 1RP-5126**

Dear Mr. Bratcher and Mr. Amos,

Pima Environmental Services, LLC (Pima) has been contracted by Devon Energy Production Company (Devon) to perform a spill assessment and to perform remediation activities for an oil release that occurred at the New Mexico Federal #1 (NM Fed). The initial C-141 was submitted on July 16, 2018 (Appendix C). This incident was assigned 1RP-5126, Incident ID nCH1819839414, by the New Mexico Oil Conservation Division (NMOCD).

**Site Characterization**

The NM Fed is located approximately twenty-eight (28) miles west of Hobbs, NM. This spill site is in Unit H, Section 24, Township 18S, Range 33E, Latitude 32.7347183, Longitude -103.6099854, Lea County, NM. Figure 1 references a location map.

Per the New Mexico Bureau of Geology and Mineral Resources, the geology is in the Quaternary Formation- Eolian and piedmont deposits (Holocene to middle Pleistocene)-interlayed eolian sands and piedmont-slope deposits (QEP). The soil in this area is made up of Pyote soils and Dune island complex, 0 to 3 percent slopes according to the United States Department of Agriculture Natural Resources Conservation Service soil survey (Appendix B). The drainage courses in this area are well-drained. There is a low potential for karst geology to be present in the area of the NM Fed (Figure 3).

According to the New Mexico Office of the State Engineer, depth to the nearest groundwater in this area is 60 feet below grade surface (BGS). According to the United States Geological Survey (USGS), the nearest groundwater is 53 feet BGS. The closest waterway and is a playa located approximately 2.48 miles to the east of this location. See Appendix A for referenced water surveys.

| Table 1 NMAC and Closure Criteria 19.15.29 | | | | | |
|---|---|---|---|---|---|
| Depth to Groundwater (Appendix B) | Constituent & Limits | | | | |
| | Chlorides | Total TPH | GRO+DRO | BTEX | Benzene |
| 60' | 10,000 mg/kg | 2,500 mg/kg | 1,000 mg/kg | 50 mg/kg | 10 mg/kg |
| <50 | 600 mg/kg | 100 mg/kg | 100 mg/kg | 50 mg/kg | 10mg/kg |
| If the release occurred within any of the following areas, the responsible party would treat the release as if the groundwater was less than 50 feet per Rule 19.15.29 | | | | | |
| Water Issues | | | | Yes | No |
| Within **300** feet of any continuously flowing watercourse or any other significant watercourse | | | | | x |
| Within **200** feet of any lakebed, sinkhole, or playa lake (measures from the ordinary high-water mark | | | | | x |
| Within **300** feet from an occupied permanent residence, school, hospital, institution, or church | | | | | x |
| Within **500** feet of a spring or a private, domestic freshwater well used by less than five households for domestic or stock water purposes | | | | | x |
| Within **1000** feet of any freshwater well or spring | | | | | x |
| Within incorporated municipal boundaries or within a defined municipal freshwater well field | | | | | x |
| Within **300** feet of a wetlands | | | | | x |
| Within the area overlying a subsurface mine | | | | | x |
| Within an unstable area (Karst) | | | | | x |
| Within a 100-year floodplain | | | | | x |

Reference Figure 2 for a Topographic Map.

**Release Information**

1RP-5126: On July 2, 2018, a tank fill line was left in the closed position. When the well started, the heater swamped out and sent fluids to the flare, causing a small fire at the flare trailer that was on the well pad. An oil overspray from the flare hit the adjacent pasture. The released fluids were calculated to be approximately 0.21 barrels (bbls) of oil. The valve was closed to prevent further release, and the fire department was dispatched to extinguish the fire.

**Site Assessment and Soil Sampling Results**

On July 23, 2020, Pima Environmental conducted a site assessment and obtained soil samples to get a more in-depth picture of the horizontal extent of the contamination. The laboratory results of this sampling event can be found in the following data table.

7-23-20 Soil Sample Results

| NMOCD Table 1 Closure Criteria 19.15.29 NMAC (Depth to Groundwater is >100') | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| Sample Date 7-23-20 | | NM Approved Laboratory Results | | | | | | |
| Sample ID | Depth (BGS) | BTEX mg/kg | Benzene mg/kg | GRO mg/kg | DRO mg/kg | MRO mg/kg | Total TPH mg/kg | Cl mg/kg |
| S-1 | 0-6" | ND | ND | ND | ND | ND | ND | 2400 |
| | 1 | ND | ND | ND | ND | ND | ND | 170 |
| | 2 | ND | ND | ND | ND | ND | ND | 130 |
| | 3 | ND | ND | ND | ND | ND | ND | 150 |
| S-2 | 0-6" | ND | ND | ND | ND | ND | ND | ND |
| | 1 | ND | ND | ND | ND | ND | ND | ND |
| | 2 | ND | ND | ND | ND | ND | ND | ND |
| | 3 | ND | ND | ND | ND | ND | ND | ND |
| S-3 | 0-6" | ND | ND | ND | 57 | 120 | 177 | 240 |
| | 1 | ND | ND | ND | 16 | ND | 16 | 310 |
| | 2 | ND | ND | ND | ND | ND | ND | 700 |
| | 3 | ND | ND | ND | ND | ND | ND | 960 |
| S-4 | 0-6" | ND | ND | ND | 46 | 110 | 156 | 150 |
| | 1 | ND | ND | ND | 100 | 230 | 330 | 530 |
| | 2 | ND | ND | ND | 91 | 190 | 281 | 980 |
| | 3 | ND | ND | ND | 110 | 220 | 330 | 1600 |
| S-5 | 0-6" | ND | ND | ND | 55 | 97 | 152 | 690 |
| | 1 | ND | ND | ND | 74 | 150 | 224 | 960 |
| | 2 | ND | ND | ND | ND | ND | ND | 1600 |
| | 3 | ND | ND | ND | ND | ND | ND | 2600 |
| S-6 | 0-6" | ND | ND | ND | 15 | ND | 15 | 660 |
| | 1 | ND | ND | ND | ND | ND | ND | 320 |
| S-7 | 0-6" | ND | ND | ND | ND | ND | ND | 270 |
| | 1 | ND | ND | ND | 34 | 61 | 95 | 370 |
| | 2 | ND | ND | ND | 630 | 1400 | 2030 | 2400 |
| | 3 | ND | ND | ND | 19 | 50 | 69 | 3100 |
| S-8 | 0-6" | ND | ND | ND | ND | ND | ND | 8200 |
| S-9 | 0-6" | ND | ND | ND | 340 | 410 | 750 | **12000** |
| | 1 | ND | ND | ND | 670 | 710 | 1380 | 6500 |
| | 2 | ND | ND | ND | 74 | 88 | 162 | 3900 |
| | 3 | ND | ND | ND | 21 | ND | 21 | 5000 |

ND- Analyte Not Detected

**Remediation Activities**

On August 18, 2020, Pima mobilized personnel and equipment to conduct remedial activities. An initial area of 10'x10' was marked off and excavated to a depth of 1 foot deep. Sidewall composite samples were obtained to ensure that the horizontal extents of the contamination had been removed. Each composite sample was representative of no more than 200 square feet. The laboratory results of this sampling event can be found in the following data table.

8-19-20 Soil Sample Results

| NMOCD Table 1 Closure Criteria 19.15.29 NMAC (Depth to Groundwater is >100') | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| Sample Date 8-19-20 | | NM Approved Laboratory Results | | | | | | |
| Sample ID | Depth (BGS) | BTEX mg/kg | Benzene mg/kg | GRO mg/kg | DRO mg/kg | MRO mg/kg | Total TPH mg/kg | Cl mg/kg |
| N. Sidewall | 1 | ND | ND | ND | ND | ND | ND | 3240 |
| S. Sidewall | 1 | ND | ND | ND | 13.6 | ND | 13.6 | 224 |
| E. Sidewall | 1 | ND | ND | ND | ND | ND | ND | 1520 |
| W. Sidewall | 1 | ND | ND | ND | ND | ND | ND | 784 |

ND- Analyte Not Detected

On February 9th, 2021, Pima returned to the site to obtain samples in order to show complete horizontal delineation. The results of this sampling event can be found in the following table.

2-9-21 Delineation Sampling Event

| NMOCD Table 1 Closure Criteria 19.15.29 NMAC (Depth to Groundwater is >100') | | | | | | | |
|---|---|---|---|---|---|---|---|
| Sample Date 2-9-21 | | Field Scrrens | | | | | |
| Sample ID | Depth (BGS) | Chlorides | GRO mg/kg | DRO mg/kg | MRO mg/kg | Total TPH mg/kg | Cl mg/kg |
| North 24 Feet | 0 | 566 | ND | ND | ND | ND | 96 |
| East 10 Feet | 0 | 285 | ND | ND | ND | ND | 80 |

ND-Analyte Not Detected

Complete Laboratory Reports are attached in Appendix E.

Based on the sample results, the sidewalls were below NMOCD Closure Criteria 19.15.29 NMAC.

The contaminated stockpiled material was transported to Lea Land, an NMOCD approved disposal site. The excavation was then backfilled with clean like material, machine compacted and contoured to match the surrounding terrain.

**Closure Request**

After careful review, Pima requests that this incident, nCH1819839414, be closed. Devon has complied with the applicable closure requirements.

Should you have any questions or need additional information, please feel free to contact Chris Jones at 575-964-7740 or chris@pimaoil.com.

Respectfully,

Chris Jones
Environmental Professional
Pima Environmental Services, LLC

**Attachments**

Figures:
1- Location Map
2- Topographic Map
3- Karst Map
4- Site Map
5- Site Map-Delineation

Appendices:
Appendix A- Referenced Water Surveys
Appendix B- Soil Survey and Geological Data
Appendix C- C-141's
Appendix D- Photographic Documentation
Appendix E- Laboratory Reports

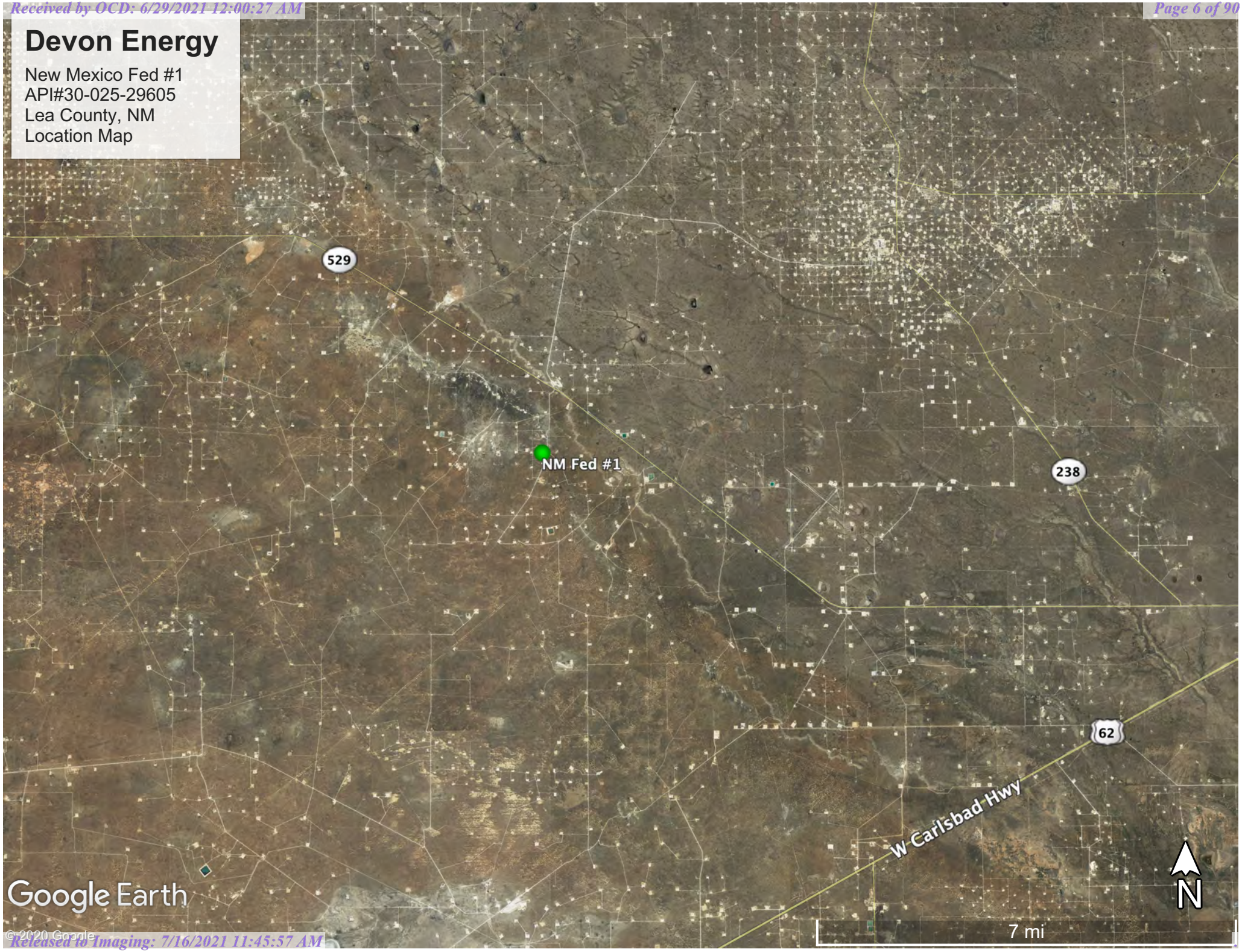
Pima Environmental Services

Figures:

1- Location Map
2- Topo Map
3- Karst Map
4- Site Map
5- Site Map-Delineation

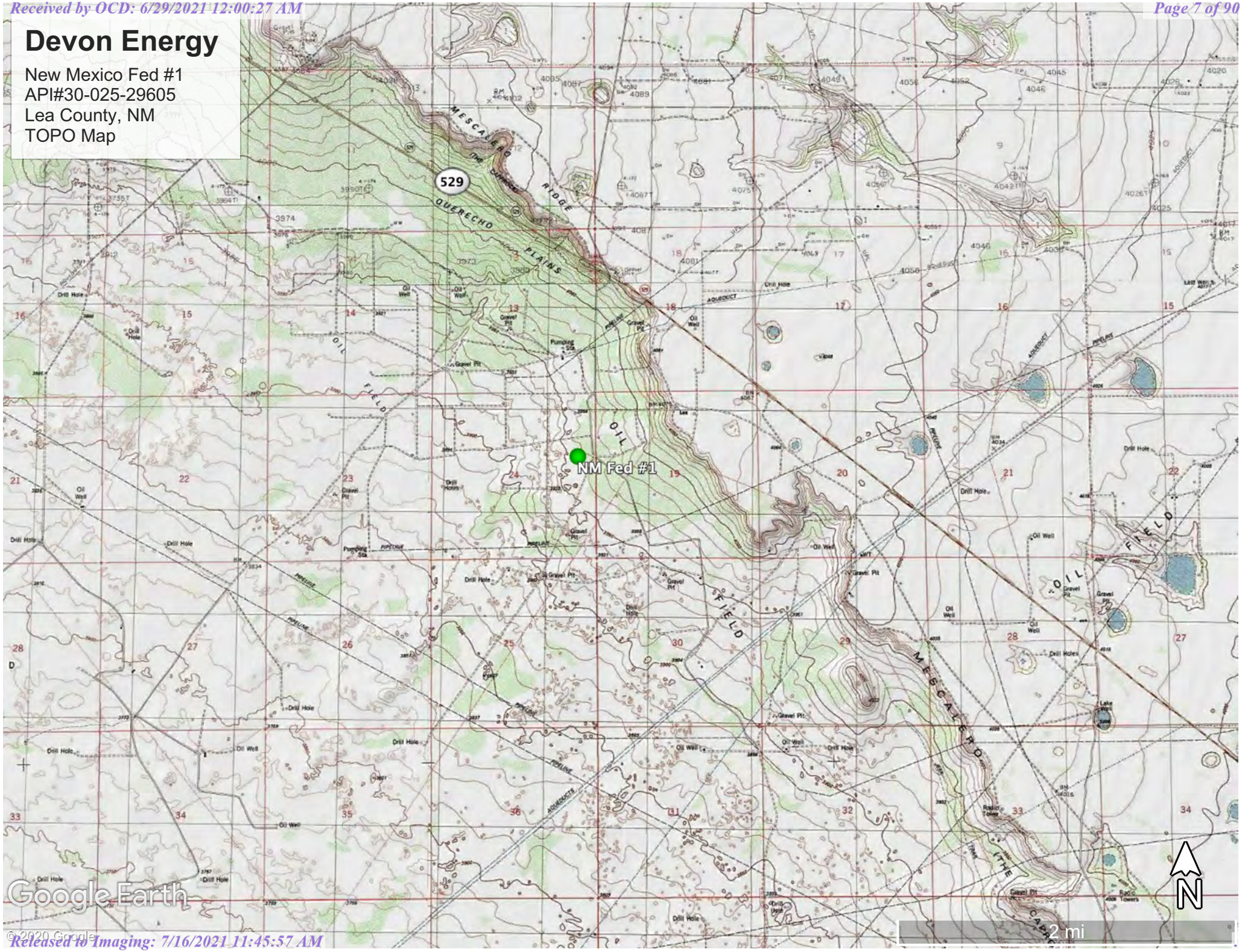
# Devon Energy

New Mexico Fed #1
API#30-025-29605
Lea County, NM
Location Map



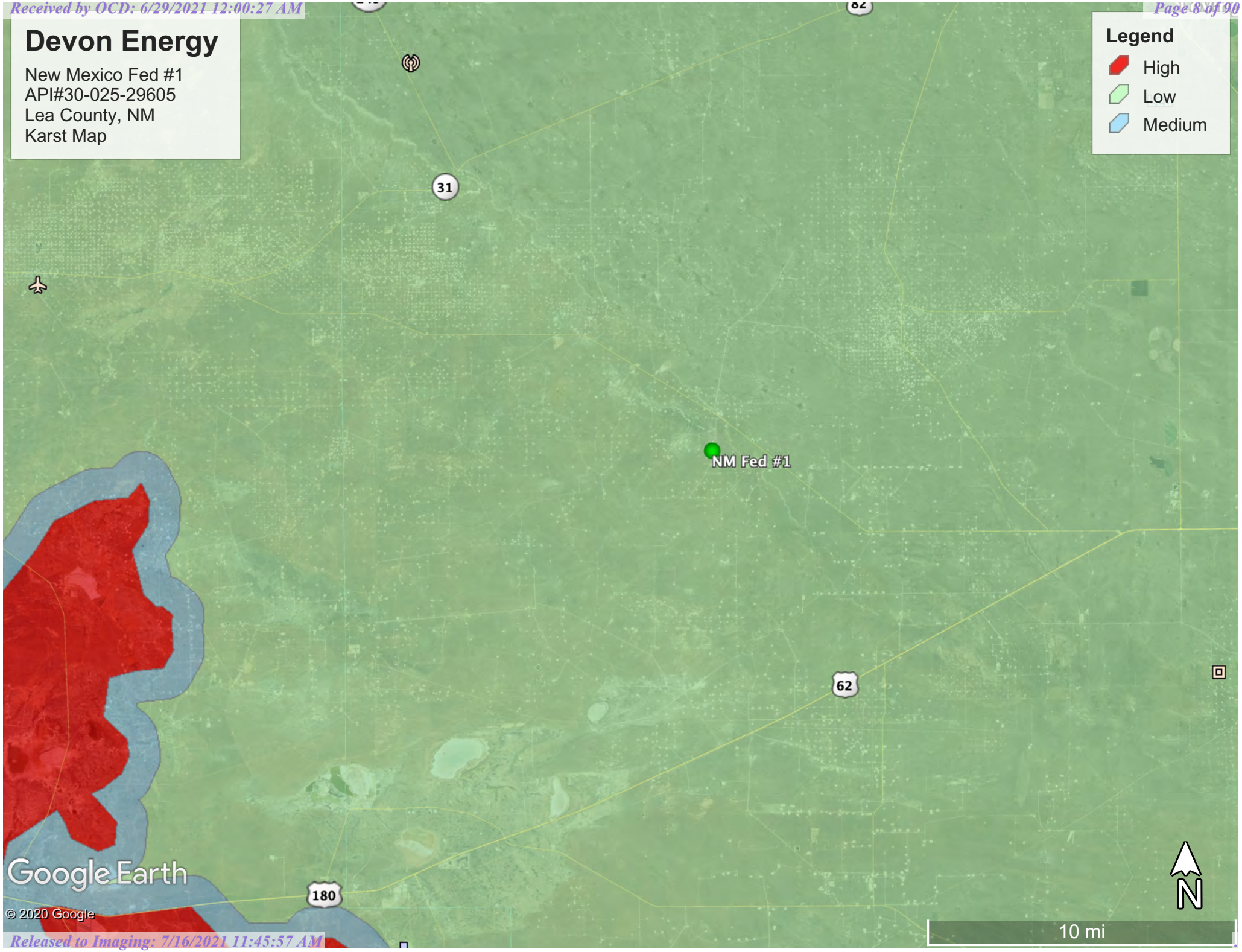
# Devon Energy

New Mexico Fed #1
API#30-025-29605
Lea County, NM
TOPO Map



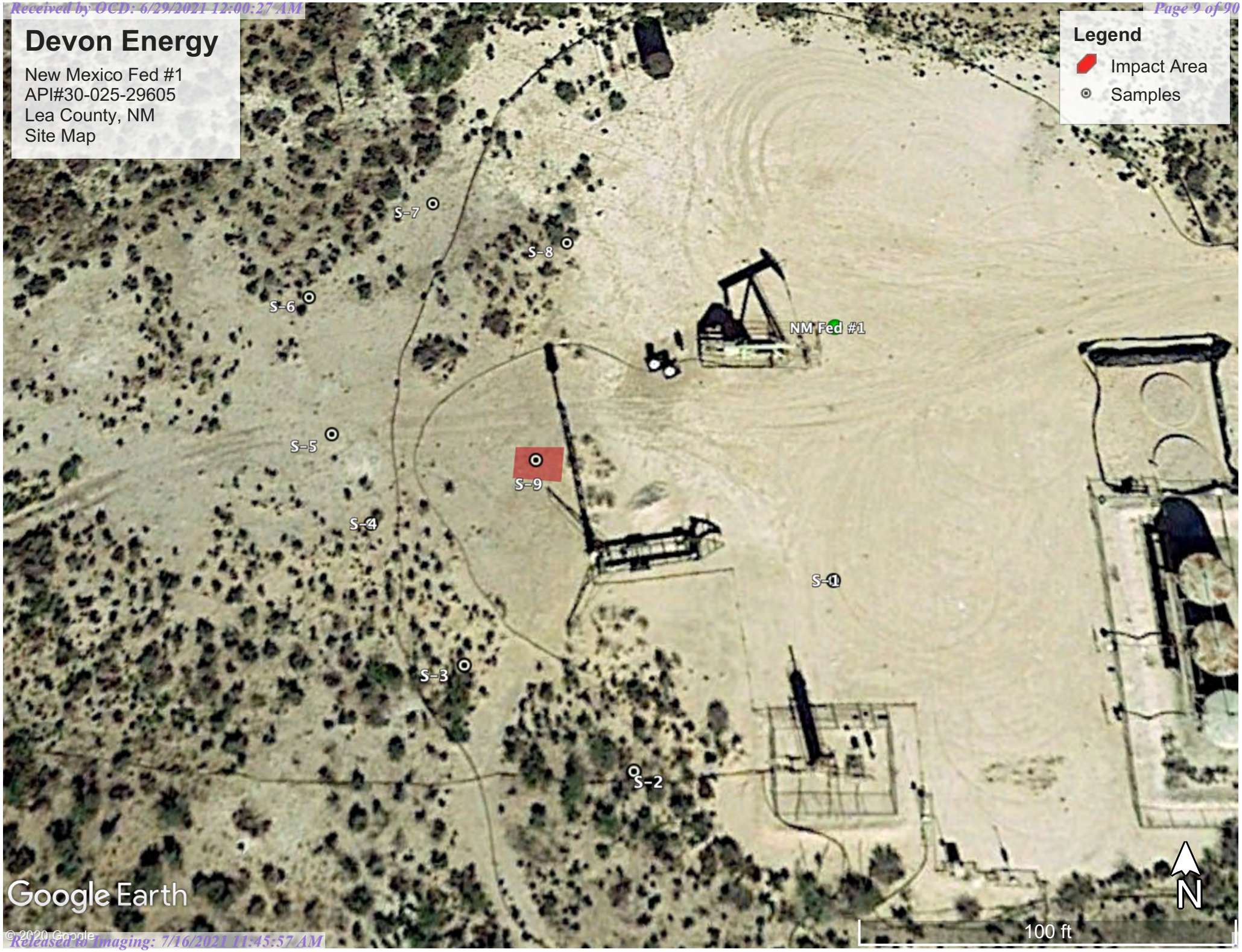
# Devon Energy

New Mexico Fed #1
API#30-025-29605
Lea County, NM
Karst Map



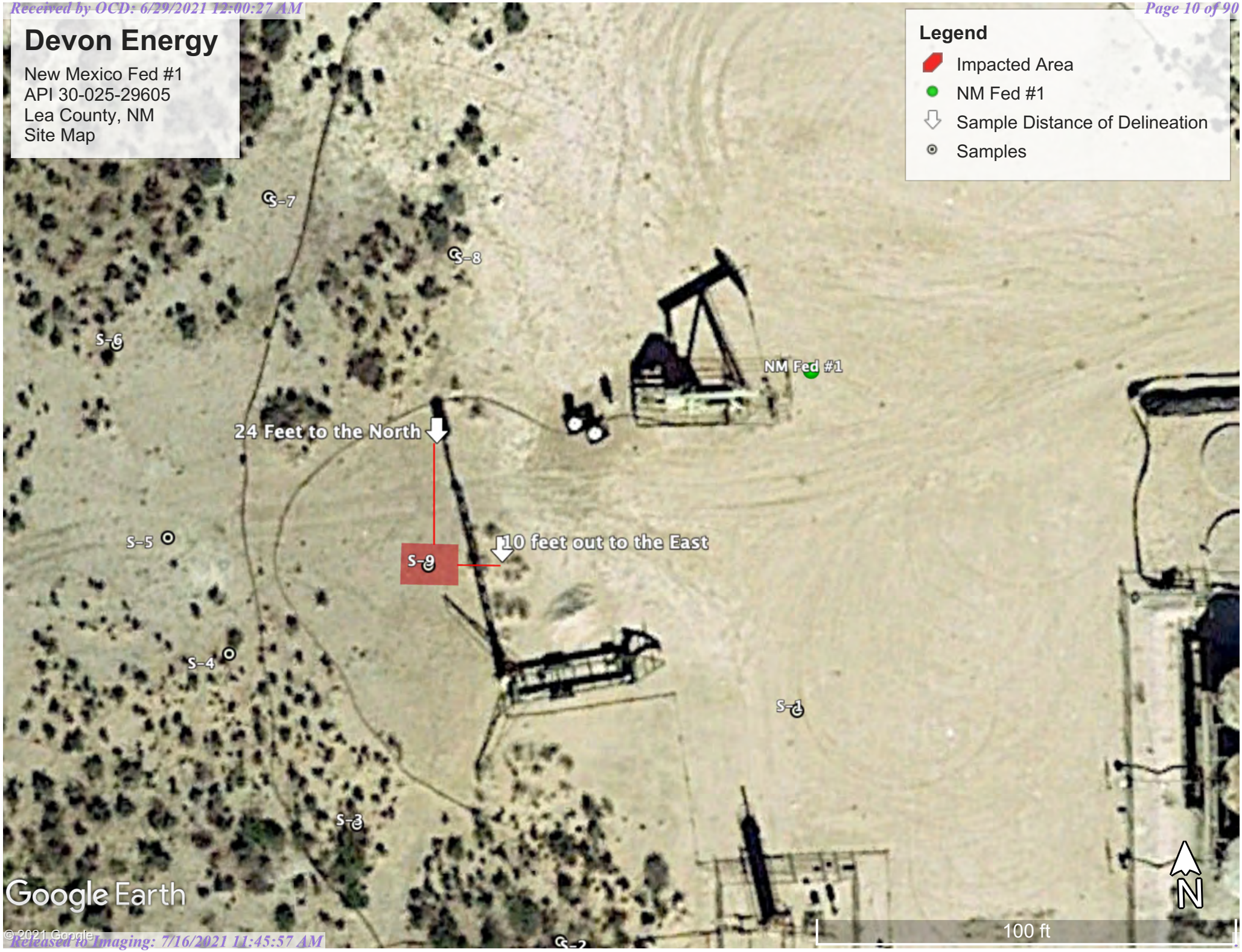
# Devon Energy

New Mexico Fed #1
API#30-025-29605
Lea County, NM
Site Map



# Devon Energy

New Mexico Fed #1
API 30-025-29605
Lea County, NM
Site Map



Pima Environmental Services

Appendix A
Water Surveys:
OSE
USGS

# New Mexico Office of the State Engineer
# Water Column/Average Depth to Water

(A CLW##### in the POD suffix indicates the POD has been replaced & no longer serves a water right file.)

(R=POD has been replaced, O=orphaned, C=the file is closed)

(quarters are 1=NW 2=NE 3=SW 4=SE)
(quarters are smallest to largest) (NAD83 UTM in meters) (In feet)

| POD Number | Code | POD Sub-basin | County | Q 64 | Q 16 | Q 4 | Sec | Tws | Rng | X | Y | Distance | Depth Well | Depth Water | Water Column |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| CP 00691 | | CP | LE | 4 | 4 | 2 | 24 | 18S | 33E | 630327 | 3622662* | 110 | 215 | 195 | 20 |
| L 07429 | | L | LE | 1 | 1 | 1 | 19 | 18S | 34E | 630523 | 3623272* | 599 | 149 | 105 | 44 |
| L 03436 | | L | LE | | 1 | 4 | 18 | 18S | 34E | 631230 | 3623771 | 1424 | 170 | 125 | 45 |
| CP 01584 POD1 | | CP | LE | 2 | 1 | 3 | 30 | 18S | 34E | 630654 | 3620788 | 1992 | 500 | | |
| CP 00623 POD2 | | CP | LE | 1 | 2 | 1 | 13 | 18S | 33E | 629243 | 3624542 | 2064 | 100 | | |
| CP 00769 POD1 | | CP | LE | 1 | 1 | 2 | 13 | 18S | 33E | 629699 | 3624866* | 2196 | 115 | 70 | 45 |
| L 10346 | | L | LE | | | 3 | 20 | 18S | 34E | 632425 | 3622187* | 2245 | 130 | | |
| L 10436 | | L | LE | | | 3 | 20 | 18S | 34E | 632425 | 3622187* | 2245 | 120 | 80 | 40 |
| L 13406 POD1 | | L | LE | 4 | 4 | 4 | 12 | 18S | 33E | 630279 | 3625061 | 2322 | 220 | | |
| L 10345 POD2 | | L | LE | | 2 | 3 | 20 | 18S | 34E | 632620 | 3622393* | 2396 | 130 | 120 | 10 |
| L 02878 POD2 | | L | LE | | 4 | 4 | 12 | 18S | 33E | 630196 | 3625175 | 2436 | 220 | 220 | 0 |
| L 06347 | | L | LE | | 4 | 4 | 12 | 18S | 33E | 630196 | 3625175* | 2436 | 170 | 130 | 40 |
| L 02898 | | L | LE | | 3 | 3 | 07 | 18S | 34E | 630598 | 3625182* | 2468 | 204 | 150 | 54 |
| CP 00623 POD1 | | CP | LE | 1 | 1 | 1 | 13 | 18S | 33E | 628895 | 3624852* | 2509 | 82 | 60 | 22 |
| L 13526 POD1 | | L | LE | 2 | 2 | 1 | 20 | 18S | 34E | 632769 | 3623271 | 2576 | 196 | 106 | 90 |
| L 08288 | | L | LE | 3 | 3 | 3 | 12 | 18S | 33E | 628890 | 3625054* | 2684 | 79 | 60 | 19 |
| L 09752 | | L | LE | 3 | 1 | 2 | 20 | 18S | 34E | 632968 | 3623188 | 2756 | 179 | 130 | 49 |
| CP 00072 POD6 | | CP | LE | 2 | 4 | 4 | 11 | 18S | 33E | 628603 | 3625179 | 2943 | 100 | 61 | 39 |

Average Depth to Water: **115 feet**

Minimum Depth: **60 feet**

Maximum Depth: **220 feet**

**Record Count:** 18

**UTMNAD83 Radius Search (in meters):**

**Easting (X):** 630248 **Northing (Y):** 3622738.899 **Radius:** 3000

***UTM location was derived from PLSS - see Help**



8/1/20 3:11 PM

WATER COLUMN/ AVERAGE DEPTH TO WATER

USGS science for a changing world

USGS Home
Contact USGS
Search USGS

# National Water Information System: Mapper

Help Info

Sites Map

Search

Surface-Water Sites

Groundwater Sites

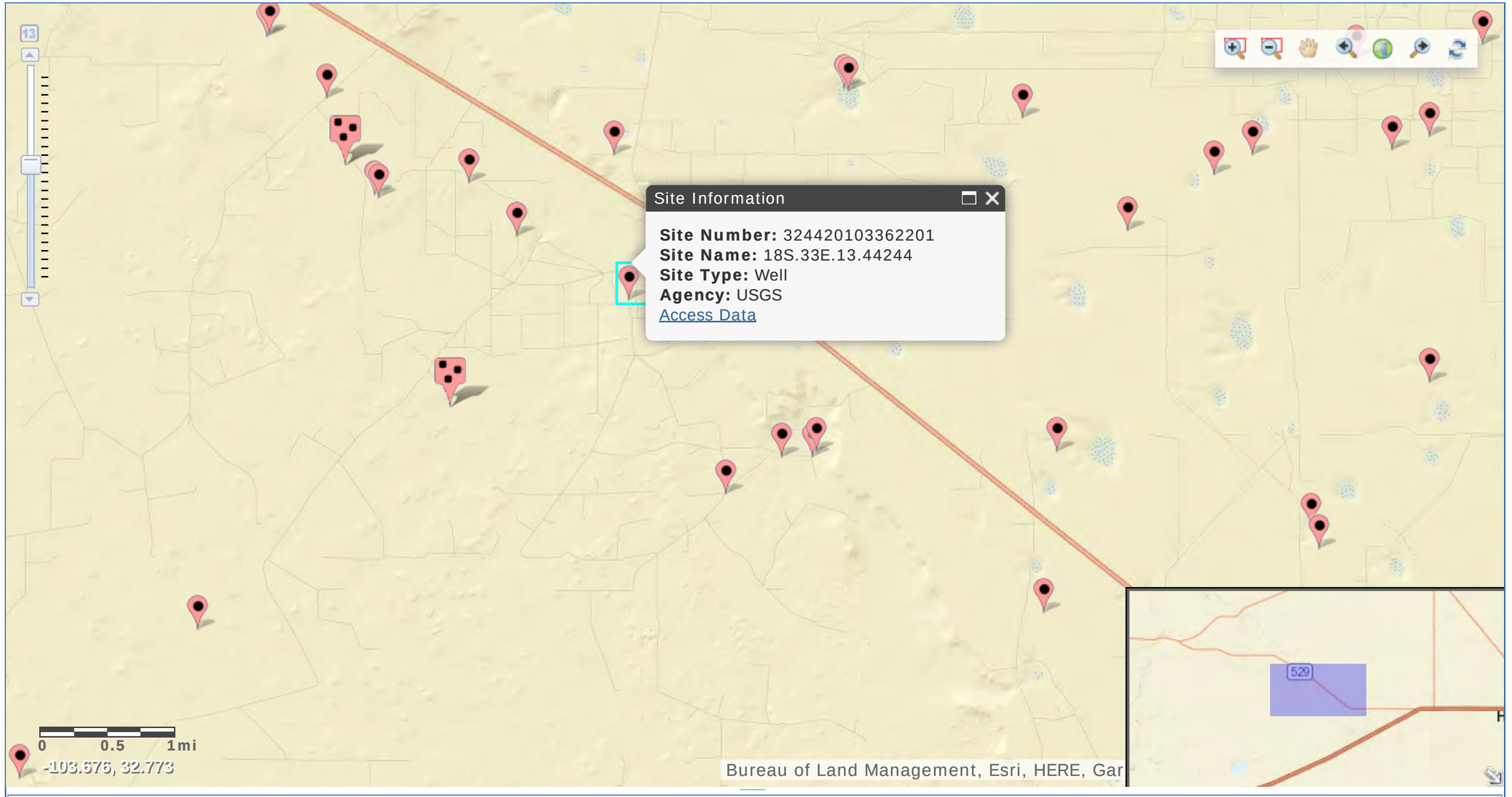
Active Sites
- Any data
- Instantaneous data
- Daily data
- Water-quality data
- Measurements
- Annual Report

Inactive Sites
- Any data
- Instantaneous data
- Daily data
- Water-quality data
- Measurements
- Annual Report

Springs

Atmospheric Sites

Other Sites




Site Information

Click to hide News Bulletins

- Introducing The Next Generation of USGS Water Data for the Nation
- Full News

# Groundwater levels for the Nation

## Search Results -- 1 sites found

**site_no list =**
- 324420103362201

**Minimum number of levels =** 1

Save file of selected sites to local disk for future upload

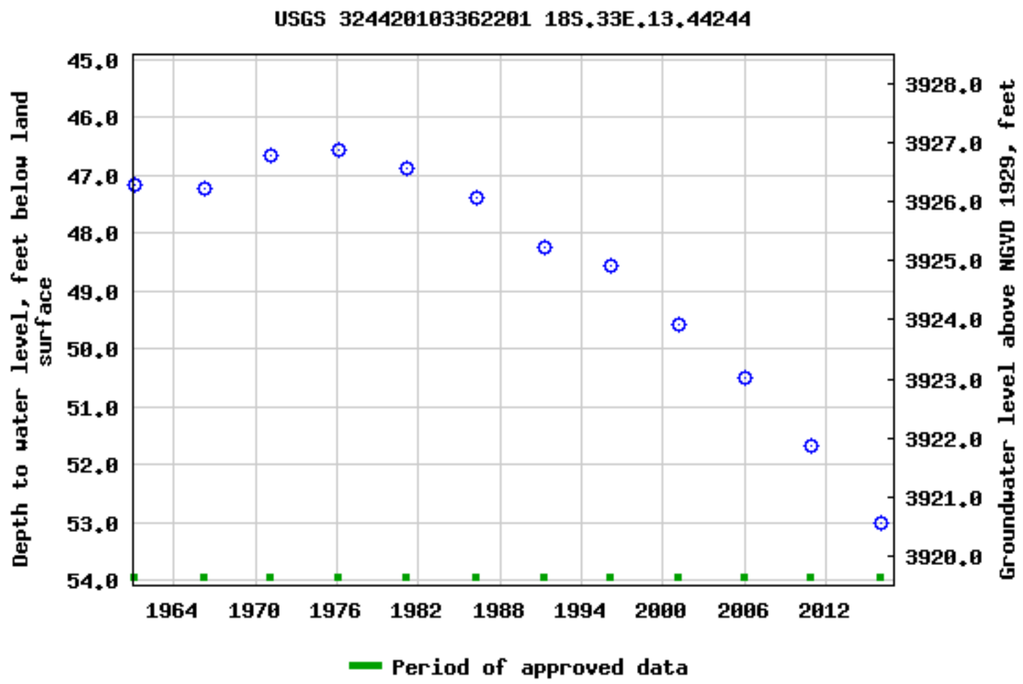
## USGS 324420103362201 18S.33E.13.44244

Available data for this site: Groundwater: Field measurements GO

Lea County, New Mexico
Hydrologic Unit Code 13060011
Latitude 32°44'33", Longitude 103°36'29" NAD27
Land-surface elevation 3,973.50 feet above NGVD29
This well is completed in the Alluvium, Bolson Deposits and Other Surface Deposits (110AVMB) local aquifer.

**Output formats**

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



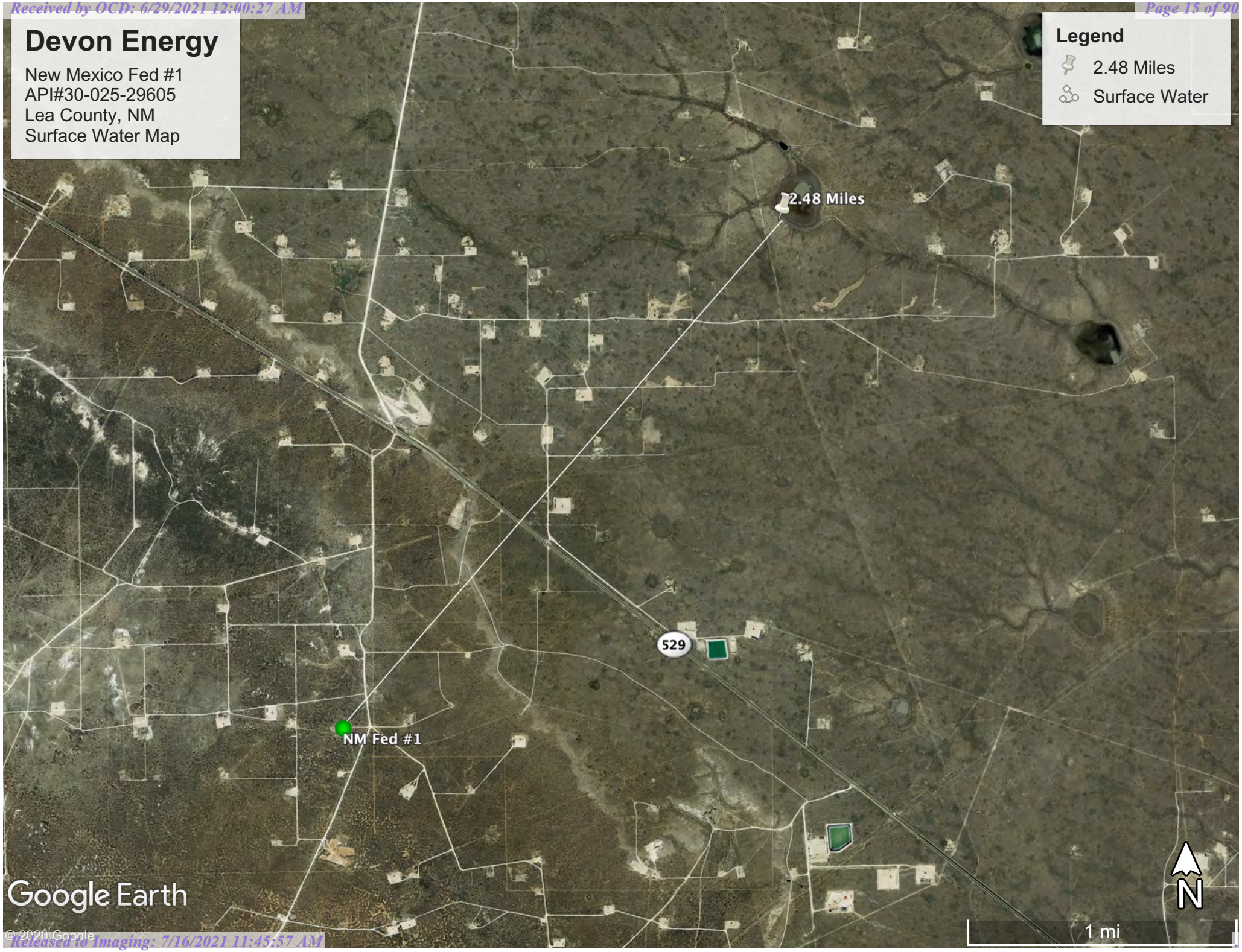

Breaks in the plot represent a gap of at least one year between field measurements.
Download a presentation-quality graph

Questions about sites/data?
Feedback on this web site
Automated retrievals
Help

Data Tips
Explanation of terms
Subscribe for system changes
News

# Devon Energy

New Mexico Fed #1
API#30-025-29605
Lea County, NM
Surface Water Map



Pima Environmental Services

Appendix B
Soil Survey & Geological Data:
USDA

# Lea County, New Mexico

## PY—Pyote soils and Dune land

### Map Unit Setting

*National map unit symbol:* dmqr
*Elevation:* 3,000 to 4,400 feet
*Mean annual precipitation:* 10 to 15 inches
*Mean annual air temperature:* 60 to 64 degrees F
*Frost-free period:* 190 to 220 days
*Farmland classification:* Not prime farmland

### Map Unit Composition

*Pyote and similar soils:* 46 percent
*Dune land:* 44 percent
*Minor components:* 10 percent
*Estimates are based on observations, descriptions, and transects of the mapunit.*

### Description of Pyote

#### Setting

*Landform:* Depressions
*Landform position (two-dimensional):* Footslope
*Landform position (three-dimensional):* Base slope
*Down-slope shape:* Concave
*Across-slope shape:* Concave
*Parent material:* Sandy eolian deposits derived from sedimentary rock

#### Typical profile

*A - 0 to 30 inches:* fine sand
*Bt - 30 to 60 inches:* fine sandy loam

#### Properties and qualities

*Slope:* 0 to 3 percent
*Depth to restrictive feature:* More than 80 inches
*Drainage class:* Well drained
*Runoff class:* Negligible
*Capacity of the most limiting layer to transmit water (Ksat):* High (2.00 to 6.00 in/hr)
*Depth to water table:* More than 80 inches
*Frequency of flooding:* None
*Frequency of ponding:* None
*Calcium carbonate, maximum content:* 5 percent
*Gypsum, maximum content:* 1 percent
*Maximum salinity:* Nonsaline to very slightly saline (0.0 to 2.0 mmhos/cm)
*Sodium adsorption ratio, maximum:* 2.0
*Available water capacity:* Low (about 5.1 inches)

**Interpretive groups**

*Land capability classification (irrigated):* 6e
*Land capability classification (nonirrigated):* 7s
*Hydrologic Soil Group:* A
*Ecological site:* R042XC003NM - Loamy Sand
*Hydric soil rating:* No

**Description of Dune Land**

**Setting**

*Landform:* Dunes
*Landform position (two-dimensional):* Backslope, shoulder
*Landform position (three-dimensional):* Side slope
*Down-slope shape:* Linear, convex
*Across-slope shape:* Convex

**Typical profile**

*A - 0 to 6 inches:* fine sand
*C - 6 to 60 inches:* fine sand

**Interpretive groups**

*Land capability classification (irrigated):* None specified
*Land capability classification (nonirrigated):* 8e
*Hydrologic Soil Group:* A
*Hydric soil rating:* No

**Minor Components**

**Kermit**

*Percent of map unit:* 5 percent
*Ecological site:* R042XC022NM - Sandhills
*Hydric soil rating:* No

**Maljamar, fine sand**

*Percent of map unit:* 3 percent
*Ecological site:* R042XC003NM - Loamy Sand
*Hydric soil rating:* No

**Wink**

*Percent of map unit:* 2 percent
*Ecological site:* R042XC003NM - Loamy Sand
*Hydric soil rating:* No

# Data Source Information

Soil Survey Area: Lea County, New Mexico
Survey Area Data: Version 17, Jun 8, 2020

# National Flood Hazard Layer FIRMette

FEMA

103°36'55"W 32°44'20"N


103°36'17"W 32°43'50"N

0 250 500 1,000 1,500 2,000 Feet

1:6,000

## Legend

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

**SPECIAL FLOOD HAZARD AREAS**
- Without Base Flood Elevation (BFE) *Zone A, V, A99*
- With BFE or Depth *Zone AE, AO, AH, VE, AR*
- Regulatory Floodway

**OTHER AREAS OF FLOOD HAZARD**
- 0.2% Annual Chance Flood Hazard, Areas of 1% annual chance flood with average depth less than one foot or with drainage areas of less than one square mile *Zone X*
- Future Conditions 1% Annual Chance Flood Hazard *Zone X*
- Area with Reduced Flood Risk due to Levee. See Notes. *Zone X*
- Area with Flood Risk due to Levee *Zone D*

**OTHER AREAS**
- NO SCREEN Area of Minimal Flood Hazard *Zone X*
- Effective LOMRs
- Area of Undetermined Flood Hazard *Zone D*

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

**OTHER FEATURES**
- 20.2 Cross Sections with 1% Annual Chance
- 17.5 Water Surface Elevation
- 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

N

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 9/8/2020 at 1:05 PM and does not reflect changes or amendments subsequent to this date and time. The NFHL and effective information may change or become superseded by new data over time.

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

Pima Environmental Services

Appendix C
C-141's:
Initial
Final

25District I
1625 N. French Dr., Hobbs, NM 88240
District II
811 S. First St., Artesia, NM 88210
District III
1000 Rio Brazos Road, Aztec, NM 87410
District IV
1220 S. St. Francis Dr., Santa Fe, NM 87505

State of New Mexico
Energy Minerals and Natural Resources

Oil Conservation Division
1220 South St. Francis Dr.
Santa Fe, NM 87505

Form C-141
Revised April 3, 2017

Submit 1 Copy to appropriate District Office in accordance with 19.15.29 NMAC.

# Release Notification and Corrective Action

## OPERATOR

☒ Initial Report ☐ Final Report

| | |
|---|---|
| Name of Company Devon Energy Production Company | Contact Steve McGlasson, Production Foreman |
| Address 6488 Seven Rivers Hwy Artesia, NM 88210 | Telephone No. 575-748-3371 |
| Facility Name New Mexico Fed 1 | Facility Type Oil |

| | | |
|---|---|---|
| Surface Owner Federal | Mineral Owner Federal | API No. 30-025-29605 |

## LOCATION OF RELEASE

| Unit Letter | Section | Township | Range | Feet from the | North/South Line | Feet from the | East/West Line | County |
|---|---|---|---|---|---|---|---|---|
| H | 24 | 18S | 33 E | 2080’ | FNL | 600’ | FEL | Lea |

**Latitude**_32.7347183_ **Longitude**_103.6099854_ NAD83

## NATURE OF RELEASE

| | | |
|---|---|---|
| Type of Release<br>Oil | Volume of Release<br>.21BBLS | Volume Recovered<br>0BBLS |
| Source of Release<br>Tank fill line | Date and Hour of Occurrence<br>July 2, 2018 @ 8:30 AM MST | Date and Hour of Discovery<br>July 2, 2018 @ 8:30 AM MST |
| Was Immediate Notice Given?<br>☒ Yes ☐ No ☐ Not Required | If YES, To Whom?<br>BLM-Shelly Tucker<br>OCD-Olivia Yu & Christina Hernandez | |
| By Whom?<br>Mike Shoemaker, EHS Professional | Date and Hour<br>July 3, 2018 MST @ 8:15 AM MST | |
| Was a Watercourse Reached?<br>☐ Yes ☒ No | If YES, Volume Impacting the Watercourse.<br>N/A | |

If a Watercourse was Impacted, Describe Fully.*
N/A

RECEIVED
By CHernandez at 10:38 am, Jul 17, 2018

Describe Cause of Problem and Remedial Action Taken.*
A tank fill line was left in the closed position when the well was started and the heater swamped out and sent fluids to the flare causing a small fire (at the flare trailer) on the pad surface and an overspray of oil into the adjacent pasture. The valve was closed to prevent any further release. The fire department was contacted and extinguished the fire which was contained to the well pad surface.

Describe Area Affected and Cleanup Action Taken.*
Approximately .21 bbls of oil was released on the location and misted as an overspray onto the adjacent pasture. 0 bbls were recovered. An environmental contractor will be called in to assist with delineation and remediation efforts.

I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to NMOCD 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 NMOCD marked as "Final Report" does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to ground water, surface water, human health or the environment. In addition, NMOCD 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.

Signature: Dana DeLaRosa

Printed Name: Dana DeLaRosa

Title: Field Admin Support

E-mail Address: dana.delarosa@dvn.com

Date: 7/16/2018 Phone: 575.746.5594

OIL CONSERVATION DIVISION

Approved by Environmental Specialist: CH

Approval Date: 7/17/2018 Expiration Date:

Conditions of Approval:
See attached directive. Provide NMOCD confirmatory laboratory analyses of discrete soil samples (0-6” bgs) from the impacted pasture area.

Attached ☑

* Attach Additional Sheets If Necessary

nCH1819839414

pCH1819839931

1RP-5126

Devon - Internal

# New Mexico Federal 1

## .02bbls oil

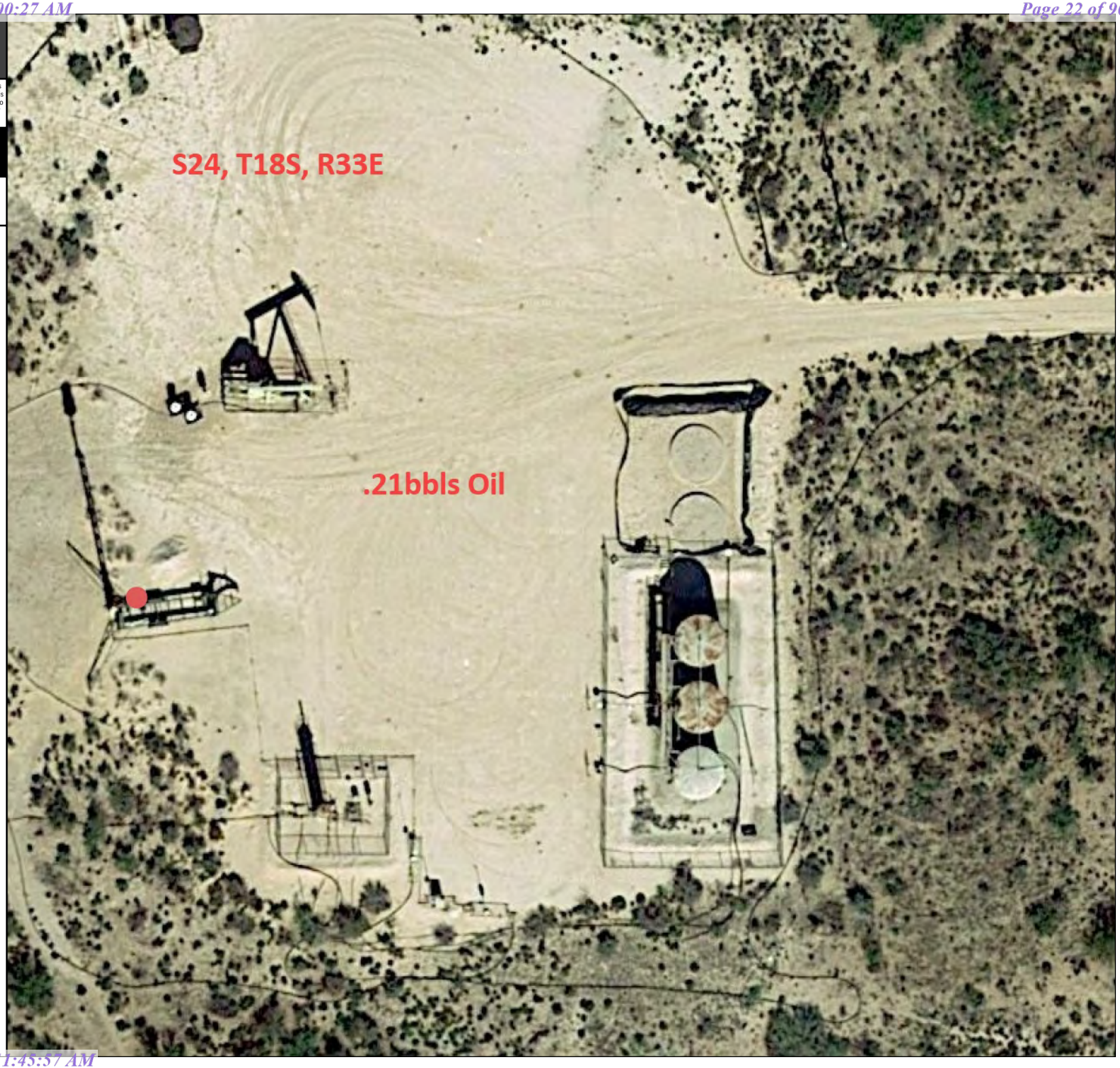
devon

This map is for illustrative purposes only and is neither a legally recorded map nor survey and is not intended to be used as one. Devon makes no warranty, representation, or guarantee of any kind regarding this map.

WGS_1984_Web_Mercator_Auxiliary_Sphere
Prepared by: Dana DeLaRosa
Map is current as of: 11-Jul-2018

N

Miles
0 0.00 0.00 0.01 1: 445



Operator/Responsible Party,

The OCD has received the form C-141 you provided on _7/16/2018_ regarding an unauthorized release. The information contained on that form has been entered into our incident database and remediation case number _1RP-5126__ has been assigned. **Please refer to this case number in all future correspondence.**

It is the Division's obligation under both the Oil & Gas Act and Water Quality Act to provide for the protection of public health and the environment. Our regulations (19.15.29.11 NMAC) state the following,

> *The responsible person shall complete division-approved corrective action for releases that endanger public health or the environment. The responsible person shall address releases in accordance with a remediation plan submitted to and approved by the division or with an abatement plan submitted in accordance with 19.15.30 NMAC.* [emphasis added]

Release characterization is the first phase of corrective action unless the release is ongoing or is of limited volume and all impacts can be immediately addressed. Proper and cost-effective remediation typically cannot occur without adequate characterization of the impacts of any release. Furthermore, the Division has the ability to impose reasonable conditions upon the efforts it oversees. **As such, the Division is requiring a workplan for the characterization of impacts associated with this release be submitted to the OCD District _1_ office in __Hobbs____ on or before _8/17/2018_. If and when the release characterization workplan is approved, there will be an associated deadline for submittal of the resultant investigation report. Modest extensions of time to these deadlines may be granted, but only with acceptable justification.**

The goals of a characterization effort are: 1) determination of the lateral and vertical extents along with the magnitude of soil contamination. 2) determine if groundwater or surface waters have been impacted. 3) If groundwater or surface waters have been impacted, what are the extents and magnitude of that impact. 4) The characterization of any other adverse impacts that may have occurred (examples: impacts on vegetation, impacts on wildlife, air quality, loss of use of property, etc.). To meet these goals as quickly as possible, the following items must, at a minimum, be addressed in the release characterization workplan and subsequent reporting:

● Horizontal delineation of soil impacts in each of the four cardinal compass directions. Adsorbed soil contamination must be characterized for the following constituents using the associated laboratory methods: benzene, toluene, ethylbenzene, and total xylenes by either Method 8260 or 8021, total petroleum hydrocarbons by Method 8015 extended range (GRO+DRO+MRO; $C_6$ thru $C_{36}$), and for chloride by Method 300. This is not an exclusive list of potential contaminants. Analyzed parameters should be modified based on the nature of the released substance(s). Soil sampling must be both within the impacted area and beyond.

● Vertical delineation of soil impacts. Adsorbed soil contamination must be characterized for the following constituents using the associated laboratory methods: benzene, toluene, ethylbenzene, and total xylenes by either Method 8260 or 8021, total petroleum hydrocarbons by Method 8015 extended range (GRO+DRO+MRO; $C_6$ thru $C_{36}$), and for chloride by Method 300. As above, this is not an exclusive list of potential contaminants and can be modified. Vertical characterization samples should be taken at depth intervals no greater than five feet apart. Lithologic description of encountered soils must also be provided. At least ten vertical feet of soils with contaminant concentrations at or below these values must be demonstrated as existing above the water table.

● Nominal detection limits for field and laboratory analyses must be provided.

● Composite sampling is not generally allowed.

● Field screening and assessment techniques are acceptable (headspace, titration, EC [include algorithm for validation purposes], EM, etc.), but the sampling and assay procedures must be clearly defined. Copies of field notes are highly desirable. A statistically significant set of split samples must be submitted for confirmatory laboratory analysis, including the laterally farthest and vertically deepest sets of soil samples. Make sure there are at least two soil samples submitted

for laboratory analysis from each borehole or test pit (highest observed contamination and deepest depth investigated). Copies of the actual laboratory results must be provided including chain of custody documentation.

●Probable depth to shallowest protectable groundwater and lateral distance to nearest surface water. If there is an estimate of groundwater depth, the information used to arrive at that estimate must be provided. If there is a reasonable assumption that the depth to protectable water is 50 feet or less, the responsible party should anticipate the need for at least one groundwater monitoring well to be installed in the area of likely maximum contamination.

● If groundwater contamination is encountered, an additional investigation workplan may be required to determine the extents of that contamination. Groundwater and/or surface water samples, if any, must be analyzed by a competent laboratory for volatile organic hydrocarbons (typically Method 8260 full list), total dissolved solids, pH, major anions and cations including chloride and sulfate, dissolved iron, and dissolved manganese. The investigation workplan must provide the groundwater sampling method(s) and sample handling protocols. To the fullest extent possible, aqueous analyses must be undertaken using nominal method detection limits. As with the soil analyses, copies of the actual laboratory results must be provided including chain of custody documentation.

● Accurately scaled and well-drafted site maps must be provided providing the location of borings, test pits, monitoring wells, potentially impacted areas, and significant surface features including roads and site infrastructure that might limit either the release characterization or remedial efforts. Field sketches may be included in subsequent reporting, but should not be considered stand-alone documentation of the site's layout. Digital photographic documentation of the location and fieldwork is recommended, especially if unusual circumstances are encountered.

**Nothing herein should be interpreted to preclude emergency response actions or to imply immediate remediation by removal cannot proceed as warranted. Nonetheless, characterization of impacts and confirmation of the effectiveness of remedial efforts must still be provided to the OCD before any release incident will be closed.**

**Jim Griswold**
OCD Environmental Bureau Chief
1220 South St. Francis Drive
Santa Fe, New Mexico 87505
505-476-3465
jim.griswold@state.nm.us

# Site Assessment/Characterization

*This information must be provided to the appropriate district office no later than 90 days after the release discovery date.*

| | |
|---|---|
| What is the shallowest depth to groundwater beneath the area affected by the release? | 60 (ft bgs) |
| Did this release impact groundwater or surface water? | ☐ Yes ☒ No |
| Are the lateral extents of the release within 300 feet of a continuously flowing watercourse or any other significant watercourse? | ☐ Yes ☒ No |
| Are the lateral extents of the release within 200 feet of any lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark)? | ☐ Yes ☒ No |
| Are the lateral extents of the release within 300 feet of an occupied permanent residence, school, hospital, institution, or church? | ☐ Yes ☒ No |
| Are the lateral extents of the release within 500 horizontal 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 |
| Are the lateral extents of the release within 1000 feet of any other fresh water well or spring? | ☐ Yes ☒ No |
| Are the lateral extents of the release within incorporated municipal boundaries or within a defined municipal fresh water well field? | ☐ Yes ☒ No |
| Are the lateral extents of the release within 300 feet of a wetland? | ☐ Yes ☒ No |
| Are the lateral extents of the release overlying a subsurface mine? | ☐ Yes ☒ No |
| Are the lateral extents of the release overlying an unstable area such as karst geology? | ☐ Yes ☒ No |
| Are the lateral extents of the release within a 100-year floodplain? | ☐ Yes ☒ No |
| Did the release impact areas **not** on an exploration, development, production, or storage site? | ☐ Yes ☒ No |

Attach a comprehensive report (electronic submittals in .pdf format are preferred) demonstrating the lateral and vertical extents of soil contamination associated with the release have been determined. Refer to 19.15.29.11 NMAC for specifics.

**Characterization Report Checklist**: ***Each of the following items must be included in the report.***

- ☒ Scaled site map showing impacted area, surface features, subsurface features, delineation points, and monitoring wells.
- ☒ Field data
- ☒ Data table of soil contaminant concentration data
- ☒ Depth to water determination
- ☒ Determination of water sources and significant watercourses within ½-mile of the lateral extents of the release
- ☐ Boring or excavation logs
- ☒ Photographs including date and GIS information
- ☒ Topographic/Aerial maps
- ☒ Laboratory data including chain of custody

If the site characterization report does not include completed efforts at remediation of the release, the report must include a proposed remediation plan. That plan must include the estimated volume of material to be remediated, the proposed remediation technique, proposed sampling plan and methods, anticipated timelines for beginning and completing the remediation. The closure criteria for a release are contained in Table 1 of 19.15.29.12 NMAC, however, use of the table is modified by site- and release-specific parameters.

Form C-141
Page 2

State of New Mexico
Oil Conservation Division

| | |
|---|---|
| Incident ID | nCH189839414 |
| District RP | 1RP-5126 |
| Facility ID | |
| Application ID | |

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.

Printed Name: Tom Bynum Title: EHS Consultant

Signature: Tom Bynum Date: 9/8/2020

email: tom.bynum@dvn.com Telephone: 575-748-2663

**OCD Only**

Received by: _____ Date: _____

| | |
|---|---|
| Incident ID | nCH189839414 |
| District RP | 1RP-5126 |
| Facility ID | |
| Application ID | |

# Remediation Plan

**Remediation Plan Checklist**: ***Each of the following items must be included in the plan.***

☒ Detailed description of proposed remediation technique
☒ Scaled sitemap with GPS coordinates showing delineation points
☒ Estimated volume of material to be remediated
☒ Closure criteria is to Table 1 specifications subject to 19.15.29.12(C)(4) NMAC
☒ Proposed schedule for remediation (note if remediation plan timeline is more than 90 days OCD approval is required)

**Deferral Requests Only**: ***Each of the following items must be confirmed as part of any request for deferral of remediation.***

☐ Contamination must be in areas immediately under or around production equipment where remediation could cause a major facility deconstruction.

☐ Extents of contamination must be fully delineated.

☐ Contamination does not cause an imminent risk to human health, the environment, or groundwater.

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.

Printed Name: Tom Bynum Title: EHS Consultant

Signature: Tom Bynum Date: 9/8/2020

email: tom.bynum@dvn.com Telephone: 575-748-2663

**OCD Only**

Received by: _____ Date: _____

☐ Approved ☐ Approved with Attached Conditions of Approval ☐ Denied ☐ Deferral Approved

Signature: _____ Date: _____

State of New Mexico
Oil Conservation Division

| | |
|---|---|
| Incident ID | nCH189839414 |
| District RP | 1RP-5126 |
| 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: Tom Bynum Title: EHS Consultant

Signature: Tom Bynum Date: 9/8/2020

email: tom.bynum@dvn.com Telephone: 575-748-2663

**OCD Only**

Received by: Chad Hensley Date: 07/16/2021

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: Chad Hensley Date: 07/16/2021

Printed Name: Chad Hensley Title: Environmental Specialist Advanced

Pima Environmental Services

Appendix D:
Photographic Documentation

# Photographic Documentation

## Before

## Excavation

**Complete**

Pima Environmental Services

# Appendix E:
# Laboratory Reports

HALL ENVIRONMENTAL ANALYSIS LABORATORY

*Hall Environmental Analysis Laboratory*
*4901 Hawkins NE*
*Albuquerque, NM 87109*
*TEL: 505-345-3975 FAX: 505-345-4107*
*Website: clients.hallenvironmental.com*

August 04, 2020

Chris Jones

Pima Environmental Services LLC
1601 N. Turner Ste 500
Hobbs, NM 88240
TEL: (575) 631-6977
FAX:

RE: New Mexico Fed Com 1 OrderNo.: 2007C50

Dear Chris Jones:

Hall Environmental Analysis Laboratory received 31 sample(s) on 7/24/2020 for the analyses presented in the following report.

These were analyzed according to EPA procedures or equivalent. To access our accredited tests please go to www.hallenvironmental.com or the state specific web sites. In order to properly interpret your results, it is imperative that you review this report in its entirety. See the sample checklist and/or the Chain of Custody for information regarding the sample receipt temperature and preservation. Data qualifiers or a narrative will be provided if the sample analysis or analytical quality control parameters require a flag. When necessary, data qualifiers are provided on both the sample analysis report and the QC summary report, both sections should be reviewed. All samples are reported, as received, unless otherwise indicated. Lab measurement of analytes considered field parameters that require analysis within 15 minutes of sampling such as pH and residual chlorine are qualified as being analyzed outside of the recommended holding time.

Please don't hesitate to contact HEAL for any additional information or clarifications.

ADHS Cert #AZ0682 -- NMED-DWB Cert #NM9425 -- NMED-Micro Cert #NM0901

Sincerely,

Andy Freeman
Laboratory Manager
4901 Hawkins NE
Albuquerque, NM 87109

**Analytical Report**
Lab Order **2007C50**
Date Reported: **8/4/2020**

# Hall Environmental Analysis Laboratory, Inc.

**CLIENT:** Pima Environmental Services LLC
**Client Sample ID:** S1-0-6"
**Project:** New Mexico Fed Com 1
**Collection Date:** 7/23/2020 8:30:00 AM
**Lab ID:** 2007C50-001 **Matrix:** SOIL
**Received Date:** 7/24/2020 9:50:00 AM

| Analyses | Result | RL | Qual | Units | DF | Date Analyzed |
|---|---|---|---|---|---|---|
| **EPA METHOD 8015M/D: DIESEL RANGE ORGANICS** | | | | | | Analyst: **BRM** |
| Diesel Range Organics (DRO) | ND | 9.6 | | mg/Kg | 1 | 7/29/2020 7:14:41 PM |
| Motor Oil Range Organics (MRO) | ND | 48 | | mg/Kg | 1 | 7/29/2020 7:14:41 PM |
| Surr: DNOP | 88.3 | 30.4-154 | | %Rec | 1 | 7/29/2020 7:14:41 PM |
| **EPA METHOD 300.0: ANIONS** | | | | | | Analyst: **MRA** |
| Chloride | 2400 | 60 | | mg/Kg | 20 | 7/29/2020 8:00:05 PM |
| **EPA METHOD 8260B: VOLATILES SHORT LIST** | | | | | | Analyst: **JMR** |
| Benzene | ND | 0.024 | | mg/Kg | 1 | 7/27/2020 3:32:05 PM |
| Toluene | ND | 0.047 | | mg/Kg | 1 | 7/27/2020 3:32:05 PM |
| Ethylbenzene | ND | 0.047 | | mg/Kg | 1 | 7/27/2020 3:32:05 PM |
| Xylenes, Total | ND | 0.095 | | mg/Kg | 1 | 7/27/2020 3:32:05 PM |
| Surr: 1,2-Dichloroethane-d4 | 91.4 | 70-130 | | %Rec | 1 | 7/27/2020 3:32:05 PM |
| Surr: 4-Bromofluorobenzene | 91.1 | 70-130 | | %Rec | 1 | 7/27/2020 3:32:05 PM |
| Surr: Dibromofluoromethane | 96.2 | 70-130 | | %Rec | 1 | 7/27/2020 3:32:05 PM |
| Surr: Toluene-d8 | 104 | 70-130 | | %Rec | 1 | 7/27/2020 3:32:05 PM |
| **EPA METHOD 8015D MOD: GASOLINE RANGE** | | | | | | Analyst: **JMR** |
| Gasoline Range Organics (GRO) | ND | 4.7 | | mg/Kg | 1 | 7/27/2020 3:32:05 PM |
| Surr: BFB | 102 | 70-130 | | %Rec | 1 | 7/27/2020 3:32:05 PM |

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

**Qualifiers:**

| | |
|---|---|
| * | Value exceeds Maximum Contaminant Level. |
| D | Sample Diluted Due to Matrix |
| H | Holding times for preparation or analysis exceeded |
| ND | Not Detected at the Reporting Limit |
| PQL | Practical Quanitative Limit |
| S | % Recovery outside of range due to dilution or matrix |
| B | Analyte detected in the associated Method Blank |
| E | Value above quantitation range |
| J | Analyte detected below quantitation limits |
| P | Sample pH Not In Range |
| RL | Reporting Limit |

**Analytical Report**
Lab Order **2007C50**
Date Reported: **8/4/2020**

# Hall Environmental Analysis Laboratory, Inc.

**CLIENT:** Pima Environmental Services LLC
**Client Sample ID:** S1-1'
**Project:** New Mexico Fed Com 1
**Collection Date:** 7/23/2020 8:32:00 AM
**Lab ID:** 2007C50-002 **Matrix:** SOIL
**Received Date:** 7/24/2020 9:50:00 AM

| Analyses | Result | RL | Qual | Units | DF | Date Analyzed |
|---|---|---|---|---|---|---|
| **EPA METHOD 8015M/D: DIESEL RANGE ORGANICS** | | | | | | Analyst: **BRM** |
| Diesel Range Organics (DRO) | ND | 9.6 | | mg/Kg | 1 | 7/30/2020 1:40:36 AM |
| Motor Oil Range Organics (MRO) | ND | 48 | | mg/Kg | 1 | 7/30/2020 1:40:36 AM |
| Surr: DNOP | 85.9 | 30.4-154 | | %Rec | 1 | 7/30/2020 1:40:36 AM |
| **EPA METHOD 8015D: GASOLINE RANGE** | | | | | | Analyst: **NSB** |
| Gasoline Range Organics (GRO) | ND | 4.9 | | mg/Kg | 1 | 7/27/2020 2:06:29 PM |
| Surr: BFB | 85.8 | 66.6-105 | | %Rec | 1 | 7/27/2020 2:06:29 PM |
| **EPA METHOD 8021B: VOLATILES** | | | | | | Analyst: **NSB** |
| Benzene | ND | 0.025 | | mg/Kg | 1 | 7/27/2020 2:06:29 PM |
| Toluene | ND | 0.049 | | mg/Kg | 1 | 7/27/2020 2:06:29 PM |
| Ethylbenzene | ND | 0.049 | | mg/Kg | 1 | 7/27/2020 2:06:29 PM |
| Xylenes, Total | ND | 0.099 | | mg/Kg | 1 | 7/27/2020 2:06:29 PM |
| Surr: 4-Bromofluorobenzene | 102 | 80-120 | | %Rec | 1 | 7/27/2020 2:06:29 PM |
| **EPA METHOD 300.0: ANIONS** | | | | | | Analyst: **MRA** |
| Chloride | 170 | 60 | | mg/Kg | 20 | 7/29/2020 9:02:08 PM |

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

**Qualifiers:**

| | |
|---|---|
| * | Value exceeds Maximum Contaminant Level. |
| D | Sample Diluted Due to Matrix |
| H | Holding times for preparation or analysis exceeded |
| ND | Not Detected at the Reporting Limit |
| PQL | Practical Quanitative Limit |
| S | % Recovery outside of range due to dilution or matrix |
| B | Analyte detected in the associated Method Blank |
| E | Value above quantitation range |
| J | Analyte detected below quantitation limits |
| P | Sample pH Not In Range |
| RL | Reporting Limit |

**Analytical Report**
Lab Order **2007C50**
Date Reported: **8/4/2020**

# Hall Environmental Analysis Laboratory, Inc.

**CLIENT:** Pima Environmental Services LLC
**Client Sample ID:** S1-2'
**Project:** New Mexico Fed Com 1
**Collection Date:** 7/23/2020 8:34:00 AM
**Lab ID:** 2007C50-003 **Matrix:** SOIL
**Received Date:** 7/24/2020 9:50:00 AM

| Analyses | Result | RL | Qual | Units | DF | Date Analyzed |
|---|---|---|---|---|---|---|
| **EPA METHOD 8015M/D: DIESEL RANGE ORGANICS** | | | | | | Analyst: **BRM** |
| Diesel Range Organics (DRO) | ND | 9.7 | | mg/Kg | 1 | 7/30/2020 2:11:08 AM |
| Motor Oil Range Organics (MRO) | ND | 49 | | mg/Kg | 1 | 7/30/2020 2:11:08 AM |
| Surr: DNOP | 83.8 | 30.4-154 | | %Rec | 1 | 7/30/2020 2:11:08 AM |
| **EPA METHOD 8015D: GASOLINE RANGE** | | | | | | Analyst: **NSB** |
| Gasoline Range Organics (GRO) | ND | 5.0 | | mg/Kg | 1 | 7/27/2020 4:28:14 PM |
| Surr: BFB | 88.5 | 66.6-105 | | %Rec | 1 | 7/27/2020 4:28:14 PM |
| **EPA METHOD 8021B: VOLATILES** | | | | | | Analyst: **NSB** |
| Benzene | ND | 0.025 | | mg/Kg | 1 | 7/27/2020 4:28:14 PM |
| Toluene | ND | 0.050 | | mg/Kg | 1 | 7/27/2020 4:28:14 PM |
| Ethylbenzene | ND | 0.050 | | mg/Kg | 1 | 7/27/2020 4:28:14 PM |
| Xylenes, Total | ND | 0.099 | | mg/Kg | 1 | 7/27/2020 4:28:14 PM |
| Surr: 4-Bromofluorobenzene | 103 | 80-120 | | %Rec | 1 | 7/27/2020 4:28:14 PM |
| **EPA METHOD 300.0: ANIONS** | | | | | | Analyst: **MRA** |
| Chloride | 130 | 60 | | mg/Kg | 20 | 7/29/2020 9:14:33 PM |

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

**Qualifiers:**

| | |
|---|---|
| * | Value exceeds Maximum Contaminant Level. |
| D | Sample Diluted Due to Matrix |
| H | Holding times for preparation or analysis exceeded |
| ND | Not Detected at the Reporting Limit |
| PQL | Practical Quanitative Limit |
| S | % Recovery outside of range due to dilution or matrix |
| B | Analyte detected in the associated Method Blank |
| E | Value above quantitation range |
| J | Analyte detected below quantitation limits |
| P | Sample pH Not In Range |
| RL | Reporting Limit |

**Analytical Report**
Lab Order **2007C50**
Date Reported: **8/4/2020**

# Hall Environmental Analysis Laboratory, Inc.

**CLIENT:** Pima Environmental Services LLC
**Client Sample ID:** S1-3'
**Project:** New Mexico Fed Com 1
**Collection Date:** 7/23/2020 8:36:00 AM
**Lab ID:** 2007C50-004 **Matrix:** SOIL
**Received Date:** 7/24/2020 9:50:00 AM

| Analyses | Result | RL | Qual | Units | DF | Date Analyzed |
|---|---|---|---|---|---|---|
| **EPA METHOD 8015M/D: DIESEL RANGE ORGANICS** | | | | | | Analyst: **BRM** |
| Diesel Range Organics (DRO) | ND | 9.1 | | mg/Kg | 1 | 7/30/2020 2:21:22 AM |
| Motor Oil Range Organics (MRO) | ND | 45 | | mg/Kg | 1 | 7/30/2020 2:21:22 AM |
| Surr: DNOP | 88.1 | 30.4-154 | | %Rec | 1 | 7/30/2020 2:21:22 AM |
| **EPA METHOD 8015D: GASOLINE RANGE** | | | | | | Analyst: **NSB** |
| Gasoline Range Organics (GRO) | ND | 4.9 | | mg/Kg | 1 | 7/27/2020 5:39:12 PM |
| Surr: BFB | 88.5 | 66.6-105 | | %Rec | 1 | 7/27/2020 5:39:12 PM |
| **EPA METHOD 8021B: VOLATILES** | | | | | | Analyst: **NSB** |
| Benzene | ND | 0.025 | | mg/Kg | 1 | 7/27/2020 5:39:12 PM |
| Toluene | ND | 0.049 | | mg/Kg | 1 | 7/27/2020 5:39:12 PM |
| Ethylbenzene | ND | 0.049 | | mg/Kg | 1 | 7/27/2020 5:39:12 PM |
| Xylenes, Total | ND | 0.099 | | mg/Kg | 1 | 7/27/2020 5:39:12 PM |
| Surr: 4-Bromofluorobenzene | 103 | 80-120 | | %Rec | 1 | 7/27/2020 5:39:12 PM |
| **EPA METHOD 300.0: ANIONS** | | | | | | Analyst: **MRA** |
| Chloride | 150 | 60 | | mg/Kg | 20 | 7/29/2020 9:26:56 PM |

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

**Qualifiers:**

| | |
|---|---|
| * | Value exceeds Maximum Contaminant Level. |
| D | Sample Diluted Due to Matrix |
| H | Holding times for preparation or analysis exceeded |
| ND | Not Detected at the Reporting Limit |
| PQL | Practical Quanitative Limit |
| S | % Recovery outside of range due to dilution or matrix |
| B | Analyte detected in the associated Method Blank |
| E | Value above quantitation range |
| J | Analyte detected below quantitation limits |
| P | Sample pH Not In Range |
| RL | Reporting Limit |

**Analytical Report**
Lab Order **2007C50**
Date Reported: **8/4/2020**

# Hall Environmental Analysis Laboratory, Inc.

**CLIENT:** Pima Environmental Services LLC
**Client Sample ID:** S2-0-6"
**Project:** New Mexico Fed Com 1
**Collection Date:** 7/23/2020 8:38:00 AM
**Lab ID:** 2007C50-005 **Matrix:** SOIL
**Received Date:** 7/24/2020 9:50:00 AM

| Analyses | Result | RL | Qual | Units | DF | Date Analyzed |
|---|---|---|---|---|---|---|
| **EPA METHOD 8015M/D: DIESEL RANGE ORGANICS** | | | | | | Analyst: **BRM** |
| Diesel Range Organics (DRO) | ND | 9.5 | | mg/Kg | 1 | 7/30/2020 2:31:35 AM |
| Motor Oil Range Organics (MRO) | ND | 47 | | mg/Kg | 1 | 7/30/2020 2:31:35 AM |
| Surr: DNOP | 93.2 | 30.4-154 | | %Rec | 1 | 7/30/2020 2:31:35 AM |
| **EPA METHOD 8015D: GASOLINE RANGE** | | | | | | Analyst: **NSB** |
| Gasoline Range Organics (GRO) | ND | 5.0 | | mg/Kg | 1 | 7/27/2020 6:02:50 PM |
| Surr: BFB | 88.7 | 66.6-105 | | %Rec | 1 | 7/27/2020 6:02:50 PM |
| **EPA METHOD 8021B: VOLATILES** | | | | | | Analyst: **NSB** |
| Benzene | ND | 0.025 | | mg/Kg | 1 | 7/27/2020 6:02:50 PM |
| Toluene | ND | 0.050 | | mg/Kg | 1 | 7/27/2020 6:02:50 PM |
| Ethylbenzene | ND | 0.050 | | mg/Kg | 1 | 7/27/2020 6:02:50 PM |
| Xylenes, Total | ND | 0.10 | | mg/Kg | 1 | 7/27/2020 6:02:50 PM |
| Surr: 4-Bromofluorobenzene | 103 | 80-120 | | %Rec | 1 | 7/27/2020 6:02:50 PM |
| **EPA METHOD 300.0: ANIONS** | | | | | | Analyst: **MRA** |
| Chloride | ND | 60 | | mg/Kg | 20 | 7/29/2020 9:39:21 PM |

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

**Qualifiers:**

| | |
|---|---|
| * | Value exceeds Maximum Contaminant Level. |
| D | Sample Diluted Due to Matrix |
| H | Holding times for preparation or analysis exceeded |
| ND | Not Detected at the Reporting Limit |
| PQL | Practical Quanitative Limit |
| S | % Recovery outside of range due to dilution or matrix |
| B | Analyte detected in the associated Method Blank |
| E | Value above quantitation range |
| J | Analyte detected below quantitation limits |
| P | Sample pH Not In Range |
| RL | Reporting Limit |

**Analytical Report**
Lab Order **2007C50**
Date Reported: **8/4/2020**

# Hall Environmental Analysis Laboratory, Inc.

**CLIENT:** Pima Environmental Services LLC
**Client Sample ID:** S2-1'
**Project:** New Mexico Fed Com 1
**Collection Date:** 7/23/2020 8:40:00 AM
**Lab ID:** 2007C50-006 **Matrix:** SOIL
**Received Date:** 7/24/2020 9:50:00 AM

| Analyses | Result | RL | Qual | Units | DF | Date Analyzed |
|---|---|---|---|---|---|---|
| **EPA METHOD 8015M/D: DIESEL RANGE ORGANICS** | | | | | | Analyst: **BRM** |
| Diesel Range Organics (DRO) | ND | 9.3 | | mg/Kg | 1 | 7/30/2020 2:41:47 AM |
| Motor Oil Range Organics (MRO) | ND | 46 | | mg/Kg | 1 | 7/30/2020 2:41:47 AM |
| Surr: DNOP | 86.6 | 30.4-154 | | %Rec | 1 | 7/30/2020 2:41:47 AM |
| **EPA METHOD 8015D: GASOLINE RANGE** | | | | | | Analyst: **NSB** |
| Gasoline Range Organics (GRO) | ND | 4.9 | | mg/Kg | 1 | 7/27/2020 6:26:26 PM |
| Surr: BFB | 86.8 | 66.6-105 | | %Rec | 1 | 7/27/2020 6:26:26 PM |
| **EPA METHOD 8021B: VOLATILES** | | | | | | Analyst: **NSB** |
| Benzene | ND | 0.025 | | mg/Kg | 1 | 7/27/2020 6:26:26 PM |
| Toluene | ND | 0.049 | | mg/Kg | 1 | 7/27/2020 6:26:26 PM |
| Ethylbenzene | ND | 0.049 | | mg/Kg | 1 | 7/27/2020 6:26:26 PM |
| Xylenes, Total | ND | 0.099 | | mg/Kg | 1 | 7/27/2020 6:26:26 PM |
| Surr: 4-Bromofluorobenzene | 99.4 | 80-120 | | %Rec | 1 | 7/27/2020 6:26:26 PM |
| **EPA METHOD 300.0: ANIONS** | | | | | | Analyst: **MRA** |
| Chloride | ND | 60 | | mg/Kg | 20 | 7/29/2020 9:51:46 PM |

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

**Qualifiers:**

| | | | |
|---|---|---|---|
| * | Value exceeds Maximum Contaminant Level. | B | Analyte detected in the associated Method Blank |
| D | Sample Diluted Due to Matrix | E | Value above quantitation range |
| H | Holding times for preparation or analysis exceeded | J | Analyte detected below quantitation limits |
| ND | Not Detected at the Reporting Limit | P | Sample pH Not In Range |
| PQL | Practical Quanitative Limit | RL | Reporting Limit |
| S | % Recovery outside of range due to dilution or matrix | | |

**Analytical Report**
Lab Order **2007C50**
Date Reported: **8/4/2020**

# Hall Environmental Analysis Laboratory, Inc.

**CLIENT:** Pima Environmental Services LLC
**Client Sample ID:** S2-2'
**Project:** New Mexico Fed Com 1
**Collection Date:** 7/23/2020 8:42:00 AM
**Lab ID:** 2007C50-007 **Matrix:** SOIL
**Received Date:** 7/24/2020 9:50:00 AM

| Analyses | Result | RL | Qual | Units | DF | Date Analyzed |
|---|---|---|---|---|---|---|
| **EPA METHOD 8015M/D: DIESEL RANGE ORGANICS** | | | | | | Analyst: **BRM** |
| Diesel Range Organics (DRO) | ND | 9.7 | | mg/Kg | 1 | 7/30/2020 2:51:59 AM |
| Motor Oil Range Organics (MRO) | ND | 48 | | mg/Kg | 1 | 7/30/2020 2:51:59 AM |
| Surr: DNOP | 86.6 | 30.4-154 | | %Rec | 1 | 7/30/2020 2:51:59 AM |
| **EPA METHOD 8015D: GASOLINE RANGE** | | | | | | Analyst: **NSB** |
| Gasoline Range Organics (GRO) | ND | 5.0 | | mg/Kg | 1 | 7/27/2020 6:50:06 PM |
| Surr: BFB | 88.7 | 66.6-105 | | %Rec | 1 | 7/27/2020 6:50:06 PM |
| **EPA METHOD 8021B: VOLATILES** | | | | | | Analyst: **NSB** |
| Benzene | ND | 0.025 | | mg/Kg | 1 | 7/27/2020 6:50:06 PM |
| Toluene | ND | 0.050 | | mg/Kg | 1 | 7/27/2020 6:50:06 PM |
| Ethylbenzene | ND | 0.050 | | mg/Kg | 1 | 7/27/2020 6:50:06 PM |
| Xylenes, Total | ND | 0.099 | | mg/Kg | 1 | 7/27/2020 6:50:06 PM |
| Surr: 4-Bromofluorobenzene | 101 | 80-120 | | %Rec | 1 | 7/27/2020 6:50:06 PM |
| **EPA METHOD 300.0: ANIONS** | | | | | | Analyst: **MRA** |
| Chloride | ND | 60 | | mg/Kg | 20 | 7/29/2020 10:04:10 PM |

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

**Qualifiers:**

| | |
|---|---|
| * | Value exceeds Maximum Contaminant Level. |
| D | Sample Diluted Due to Matrix |
| H | Holding times for preparation or analysis exceeded |
| ND | Not Detected at the Reporting Limit |
| PQL | Practical Quanitative Limit |
| S | % Recovery outside of range due to dilution or matrix |
| B | Analyte detected in the associated Method Blank |
| E | Value above quantitation range |
| J | Analyte detected below quantitation limits |
| P | Sample pH Not In Range |
| RL | Reporting Limit |

**Analytical Report**
Lab Order **2007C50**
Date Reported: **8/4/2020**

# Hall Environmental Analysis Laboratory, Inc.

**CLIENT:** Pima Environmental Services LLC
**Client Sample ID:** S2-3'
**Project:** New Mexico Fed Com 1
**Collection Date:** 7/23/2020 8:44:00 AM
**Lab ID:** 2007C50-008 **Matrix:** SOIL
**Received Date:** 7/24/2020 9:50:00 AM

| Analyses | Result | RL | Qual | Units | DF | Date Analyzed |
|---|---|---|---|---|---|---|
| **EPA METHOD 8015M/D: DIESEL RANGE ORGANICS** | | | | | | Analyst: **BRM** |
| Diesel Range Organics (DRO) | ND | 8.8 | | mg/Kg | 1 | 7/30/2020 3:02:11 AM |
| Motor Oil Range Organics (MRO) | ND | 44 | | mg/Kg | 1 | 7/30/2020 3:02:11 AM |
| Surr: DNOP | 86.1 | 30.4-154 | | %Rec | 1 | 7/30/2020 3:02:11 AM |
| **EPA METHOD 8015D: GASOLINE RANGE** | | | | | | Analyst: **NSB** |
| Gasoline Range Organics (GRO) | ND | 4.9 | | mg/Kg | 1 | 7/27/2020 7:13:39 PM |
| Surr: BFB | 87.5 | 66.6-105 | | %Rec | 1 | 7/27/2020 7:13:39 PM |
| **EPA METHOD 8021B: VOLATILES** | | | | | | Analyst: **NSB** |
| Benzene | ND | 0.025 | | mg/Kg | 1 | 7/27/2020 7:13:39 PM |
| Toluene | ND | 0.049 | | mg/Kg | 1 | 7/27/2020 7:13:39 PM |
| Ethylbenzene | ND | 0.049 | | mg/Kg | 1 | 7/27/2020 7:13:39 PM |
| Xylenes, Total | ND | 0.098 | | mg/Kg | 1 | 7/27/2020 7:13:39 PM |
| Surr: 4-Bromofluorobenzene | 104 | 80-120 | | %Rec | 1 | 7/27/2020 7:13:39 PM |
| **EPA METHOD 300.0: ANIONS** | | | | | | Analyst: **MRA** |
| Chloride | ND | 60 | | mg/Kg | 20 | 7/29/2020 10:16:34 PM |

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

**Qualifiers:**

| | |
|---|---|
| * | Value exceeds Maximum Contaminant Level. |
| D | Sample Diluted Due to Matrix |
| H | Holding times for preparation or analysis exceeded |
| ND | Not Detected at the Reporting Limit |
| PQL | Practical Quanitative Limit |
| S | % Recovery outside of range due to dilution or matrix |
| B | Analyte detected in the associated Method Blank |
| E | Value above quantitation range |
| J | Analyte detected below quantitation limits |
| P | Sample pH Not In Range |
| RL | Reporting Limit |

**Analytical Report**
Lab Order **2007C50**
Date Reported: **8/4/2020**

# Hall Environmental Analysis Laboratory, Inc.

**CLIENT:** Pima Environmental Services LLC
**Client Sample ID:** S3-0-6"
**Project:** New Mexico Fed Com 1
**Collection Date:** 7/23/2020 8:46:00 AM
**Lab ID:** 2007C50-009 **Matrix:** SOIL
**Received Date:** 7/24/2020 9:50:00 AM

| Analyses | Result | RL | Qual | Units | DF | Date Analyzed |
|---|---|---|---|---|---|---|
| **EPA METHOD 8015M/D: DIESEL RANGE ORGANICS** | | | | | | Analyst: **BRM** |
| Diesel Range Organics (DRO) | 57 | 9.4 | | mg/Kg | 1 | 7/30/2020 1:52:30 PM |
| Motor Oil Range Organics (MRO) | 120 | 47 | | mg/Kg | 1 | 7/30/2020 1:52:30 PM |
| Surr: DNOP | 97.0 | 30.4-154 | | %Rec | 1 | 7/30/2020 1:52:30 PM |
| **EPA METHOD 8015D: GASOLINE RANGE** | | | | | | Analyst: **NSB** |
| Gasoline Range Organics (GRO) | ND | 4.9 | | mg/Kg | 1 | 7/27/2020 7:37:11 PM |
| Surr: BFB | 85.5 | 66.6-105 | | %Rec | 1 | 7/27/2020 7:37:11 PM |
| **EPA METHOD 8021B: VOLATILES** | | | | | | Analyst: **NSB** |
| Benzene | ND | 0.024 | | mg/Kg | 1 | 7/27/2020 7:37:11 PM |
| Toluene | ND | 0.049 | | mg/Kg | 1 | 7/27/2020 7:37:11 PM |
| Ethylbenzene | ND | 0.049 | | mg/Kg | 1 | 7/27/2020 7:37:11 PM |
| Xylenes, Total | ND | 0.097 | | mg/Kg | 1 | 7/27/2020 7:37:11 PM |
| Surr: 4-Bromofluorobenzene | 99.7 | 80-120 | | %Rec | 1 | 7/27/2020 7:37:11 PM |
| **EPA METHOD 300.0: ANIONS** | | | | | | Analyst: **JMT** |
| Chloride | 240 | 60 | | mg/Kg | 20 | 7/30/2020 8:29:57 AM |

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

**Qualifiers:**

| | |
|---|---|
| * | Value exceeds Maximum Contaminant Level. |
| D | Sample Diluted Due to Matrix |
| H | Holding times for preparation or analysis exceeded |
| ND | Not Detected at the Reporting Limit |
| PQL | Practical Quanitative Limit |
| S | % Recovery outside of range due to dilution or matrix |
| B | Analyte detected in the associated Method Blank |
| E | Value above quantitation range |
| J | Analyte detected below quantitation limits |
| P | Sample pH Not In Range |
| RL | Reporting Limit |

**Analytical Report**
Lab Order **2007C50**
Date Reported: **8/4/2020**

# Hall Environmental Analysis Laboratory, Inc.

**CLIENT:** Pima Environmental Services LLC
**Client Sample ID:** S3-1'
**Project:** New Mexico Fed Com 1
**Collection Date:** 7/23/2020 8:48:00 AM
**Lab ID:** 2007C50-010 **Matrix:** SOIL
**Received Date:** 7/24/2020 9:50:00 AM

| Analyses | Result | RL | Qual | Units | DF | Date Analyzed |
|---|---|---|---|---|---|---|
| **EPA METHOD 8015M/D: DIESEL RANGE ORGANICS** | | | | | | Analyst: **BRM** |
| Diesel Range Organics (DRO) | 16 | 9.9 | | mg/Kg | 1 | 7/30/2020 2:16:43 PM |
| Motor Oil Range Organics (MRO) | ND | 49 | | mg/Kg | 1 | 7/30/2020 2:16:43 PM |
| Surr: DNOP | 97.2 | 30.4-154 | | %Rec | 1 | 7/30/2020 2:16:43 PM |
| **EPA METHOD 8015D: GASOLINE RANGE** | | | | | | Analyst: **NSB** |
| Gasoline Range Organics (GRO) | ND | 4.9 | | mg/Kg | 1 | 7/27/2020 8:00:44 PM |
| Surr: BFB | 89.0 | 66.6-105 | | %Rec | 1 | 7/27/2020 8:00:44 PM |
| **EPA METHOD 8021B: VOLATILES** | | | | | | Analyst: **NSB** |
| Benzene | ND | 0.025 | | mg/Kg | 1 | 7/27/2020 8:00:44 PM |
| Toluene | ND | 0.049 | | mg/Kg | 1 | 7/27/2020 8:00:44 PM |
| Ethylbenzene | ND | 0.049 | | mg/Kg | 1 | 7/27/2020 8:00:44 PM |
| Xylenes, Total | ND | 0.098 | | mg/Kg | 1 | 7/27/2020 8:00:44 PM |
| Surr: 4-Bromofluorobenzene | 99.6 | 80-120 | | %Rec | 1 | 7/27/2020 8:00:44 PM |
| **EPA METHOD 300.0: ANIONS** | | | | | | Analyst: **JMT** |
| Chloride | 310 | 60 | | mg/Kg | 20 | 7/30/2020 9:06:58 AM |

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

**Qualifiers:**

| | |
|---|---|
| * | Value exceeds Maximum Contaminant Level. |
| D | Sample Diluted Due to Matrix |
| H | Holding times for preparation or analysis exceeded |
| ND | Not Detected at the Reporting Limit |
| PQL | Practical Quanitative Limit |
| S | % Recovery outside of range due to dilution or matrix |
| B | Analyte detected in the associated Method Blank |
| E | Value above quantitation range |
| J | Analyte detected below quantitation limits |
| P | Sample pH Not In Range |
| RL | Reporting Limit |

**Analytical Report**
Lab Order **2007C50**
Date Reported: **8/4/2020**

# Hall Environmental Analysis Laboratory, Inc.

**CLIENT:** Pima Environmental Services LLC
**Client Sample ID:** S3-2'
**Project:** New Mexico Fed Com 1
**Collection Date:** 7/23/2020 8:50:00 AM
**Lab ID:** 2007C50-011 **Matrix:** SOIL
**Received Date:** 7/24/2020 9:50:00 AM

| Analyses | Result | RL | Qual | Units | DF | Date Analyzed |
|---|---|---|---|---|---|---|
| **EPA METHOD 8015M/D: DIESEL RANGE ORGANICS** | | | | | | Analyst: **BRM** |
| Diesel Range Organics (DRO) | ND | 9.4 | | mg/Kg | 1 | 7/30/2020 3:32:51 AM |
| Motor Oil Range Organics (MRO) | ND | 47 | | mg/Kg | 1 | 7/30/2020 3:32:51 AM |
| Surr: DNOP | 111 | 30.4-154 | | %Rec | 1 | 7/30/2020 3:32:51 AM |
| **EPA METHOD 8015D: GASOLINE RANGE** | | | | | | Analyst: **NSB** |
| Gasoline Range Organics (GRO) | ND | 5.0 | | mg/Kg | 1 | 7/27/2020 8:24:14 PM |
| Surr: BFB | 87.0 | 66.6-105 | | %Rec | 1 | 7/27/2020 8:24:14 PM |
| **EPA METHOD 8021B: VOLATILES** | | | | | | Analyst: **NSB** |
| Benzene | ND | 0.025 | | mg/Kg | 1 | 7/27/2020 8:24:14 PM |
| Toluene | ND | 0.050 | | mg/Kg | 1 | 7/27/2020 8:24:14 PM |
| Ethylbenzene | ND | 0.050 | | mg/Kg | 1 | 7/27/2020 8:24:14 PM |
| Xylenes, Total | ND | 0.10 | | mg/Kg | 1 | 7/27/2020 8:24:14 PM |
| Surr: 4-Bromofluorobenzene | 100 | 80-120 | | %Rec | 1 | 7/27/2020 8:24:14 PM |
| **EPA METHOD 300.0: ANIONS** | | | | | | Analyst: **JMT** |
| Chloride | 700 | 60 | | mg/Kg | 20 | 7/30/2020 9:43:59 AM |

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

**Qualifiers:**

| | |
|---|---|
| * | Value exceeds Maximum Contaminant Level. |
| D | Sample Diluted Due to Matrix |
| H | Holding times for preparation or analysis exceeded |
| ND | Not Detected at the Reporting Limit |
| PQL | Practical Quanitative Limit |
| S | % Recovery outside of range due to dilution or matrix |
| B | Analyte detected in the associated Method Blank |
| E | Value above quantitation range |
| J | Analyte detected below quantitation limits |
| P | Sample pH Not In Range |
| RL | Reporting Limit |

**Analytical Report**
Lab Order **2007C50**
Date Reported: **8/4/2020**

# Hall Environmental Analysis Laboratory, Inc.

**CLIENT:** Pima Environmental Services LLC
**Client Sample ID:** S3-3'
**Project:** New Mexico Fed Com 1
**Collection Date:** 7/23/2020 8:52:00 AM
**Lab ID:** 2007C50-012 **Matrix:** SOIL
**Received Date:** 7/24/2020 9:50:00 AM

| Analyses | Result | RL | Qual | Units | DF | Date Analyzed |
|---|---|---|---|---|---|---|
| **EPA METHOD 8015M/D: DIESEL RANGE ORGANICS** | | | | | | Analyst: **BRM** |
| Diesel Range Organics (DRO) | ND | 9.7 | | mg/Kg | 1 | 7/30/2020 3:43:07 AM |
| Motor Oil Range Organics (MRO) | ND | 49 | | mg/Kg | 1 | 7/30/2020 3:43:07 AM |
| Surr: DNOP | 126 | 30.4-154 | | %Rec | 1 | 7/30/2020 3:43:07 AM |
| **EPA METHOD 8015D: GASOLINE RANGE** | | | | | | Analyst: **NSB** |
| Gasoline Range Organics (GRO) | ND | 4.9 | | mg/Kg | 1 | 7/27/2020 8:47:43 PM |
| Surr: BFB | 88.9 | 66.6-105 | | %Rec | 1 | 7/27/2020 8:47:43 PM |
| **EPA METHOD 8021B: VOLATILES** | | | | | | Analyst: **NSB** |
| Benzene | ND | 0.024 | | mg/Kg | 1 | 7/27/2020 8:47:43 PM |
| Toluene | ND | 0.049 | | mg/Kg | 1 | 7/27/2020 8:47:43 PM |
| Ethylbenzene | ND | 0.049 | | mg/Kg | 1 | 7/27/2020 8:47:43 PM |
| Xylenes, Total | ND | 0.098 | | mg/Kg | 1 | 7/27/2020 8:47:43 PM |
| Surr: 4-Bromofluorobenzene | 103 | 80-120 | | %Rec | 1 | 7/27/2020 8:47:43 PM |
| **EPA METHOD 300.0: ANIONS** | | | | | | Analyst: **JMT** |
| Chloride | 960 | 60 | | mg/Kg | 20 | 7/30/2020 9:56:19 AM |

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

**Qualifiers:**

| | |
|---|---|
| * | Value exceeds Maximum Contaminant Level. |
| D | Sample Diluted Due to Matrix |
| H | Holding times for preparation or analysis exceeded |
| ND | Not Detected at the Reporting Limit |
| PQL | Practical Quanitative Limit |
| S | % Recovery outside of range due to dilution or matrix |
| B | Analyte detected in the associated Method Blank |
| E | Value above quantitation range |
| J | Analyte detected below quantitation limits |
| P | Sample pH Not In Range |
| RL | Reporting Limit |

**Analytical Report**
Lab Order **2007C50**
Date Reported: **8/4/2020**

# Hall Environmental Analysis Laboratory, Inc.

**CLIENT:** Pima Environmental Services LLC
**Client Sample ID:** S4-0-6"
**Project:** New Mexico Fed Com 1
**Collection Date:** 7/23/2020 8:54:00 AM
**Lab ID:** 2007C50-013 **Matrix:** SOIL
**Received Date:** 7/24/2020 9:50:00 AM

| Analyses | Result | RL | Qual | Units | DF | Date Analyzed |
|---|---|---|---|---|---|---|
| **EPA METHOD 8015M/D: DIESEL RANGE ORGANICS** | | | | | | Analyst: **BRM** |
| Diesel Range Organics (DRO) | 46 | 9.4 | | mg/Kg | 1 | 7/30/2020 2:40:50 PM |
| Motor Oil Range Organics (MRO) | 110 | 47 | | mg/Kg | 1 | 7/30/2020 2:40:50 PM |
| Surr: DNOP | 102 | 30.4-154 | | %Rec | 1 | 7/30/2020 2:40:50 PM |
| **EPA METHOD 8015D: GASOLINE RANGE** | | | | | | Analyst: **NSB** |
| Gasoline Range Organics (GRO) | ND | 5.0 | | mg/Kg | 1 | 7/27/2020 9:34:39 PM |
| Surr: BFB | 87.2 | 66.6-105 | | %Rec | 1 | 7/27/2020 9:34:39 PM |
| **EPA METHOD 8021B: VOLATILES** | | | | | | Analyst: **NSB** |
| Benzene | ND | 0.025 | | mg/Kg | 1 | 7/27/2020 9:34:39 PM |
| Toluene | ND | 0.050 | | mg/Kg | 1 | 7/27/2020 9:34:39 PM |
| Ethylbenzene | ND | 0.050 | | mg/Kg | 1 | 7/27/2020 9:34:39 PM |
| Xylenes, Total | ND | 0.099 | | mg/Kg | 1 | 7/27/2020 9:34:39 PM |
| Surr: 4-Bromofluorobenzene | 102 | 80-120 | | %Rec | 1 | 7/27/2020 9:34:39 PM |
| **EPA METHOD 300.0: ANIONS** | | | | | | Analyst: **JMT** |
| Chloride | 150 | 60 | | mg/Kg | 20 | 7/30/2020 10:33:21 AM |

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

**Qualifiers:**

| | |
|---|---|
| * | Value exceeds Maximum Contaminant Level. |
| D | Sample Diluted Due to Matrix |
| H | Holding times for preparation or analysis exceeded |
| ND | Not Detected at the Reporting Limit |
| PQL | Practical Quanitative Limit |
| S | % Recovery outside of range due to dilution or matrix |
| B | Analyte detected in the associated Method Blank |
| E | Value above quantitation range |
| J | Analyte detected below quantitation limits |
| P | Sample pH Not In Range |
| RL | Reporting Limit |

**Analytical Report**
Lab Order **2007C50**
Date Reported: **8/4/2020**

# Hall Environmental Analysis Laboratory, Inc.

**CLIENT:** Pima Environmental Services LLC
**Client Sample ID:** S4-1'
**Project:** New Mexico Fed Com 1
**Collection Date:** 7/23/2020 8:56:00 AM
**Lab ID:** 2007C50-014 **Matrix:** SOIL
**Received Date:** 7/24/2020 9:50:00 AM

| Analyses | Result | RL | Qual | Units | DF | Date Analyzed |
|---|---|---|---|---|---|---|
| **EPA METHOD 8015M/D: DIESEL RANGE ORGANICS** | | | | | | Analyst: **BRM** |
| Diesel Range Organics (DRO) | 100 | 9.8 | | mg/Kg | 1 | 7/30/2020 3:04:55 PM |
| Motor Oil Range Organics (MRO) | 230 | 49 | | mg/Kg | 1 | 7/30/2020 3:04:55 PM |
| Surr: DNOP | 90.2 | 30.4-154 | | %Rec | 1 | 7/30/2020 3:04:55 PM |
| **EPA METHOD 8015D: GASOLINE RANGE** | | | | | | Analyst: **NSB** |
| Gasoline Range Organics (GRO) | ND | 4.9 | | mg/Kg | 1 | 7/27/2020 9:58:05 PM |
| Surr: BFB | 85.1 | 66.6-105 | | %Rec | 1 | 7/27/2020 9:58:05 PM |
| **EPA METHOD 8021B: VOLATILES** | | | | | | Analyst: **NSB** |
| Benzene | ND | 0.025 | | mg/Kg | 1 | 7/27/2020 9:58:05 PM |
| Toluene | ND | 0.049 | | mg/Kg | 1 | 7/27/2020 9:58:05 PM |
| Ethylbenzene | ND | 0.049 | | mg/Kg | 1 | 7/27/2020 9:58:05 PM |
| Xylenes, Total | ND | 0.098 | | mg/Kg | 1 | 7/27/2020 9:58:05 PM |
| Surr: 4-Bromofluorobenzene | 101 | 80-120 | | %Rec | 1 | 7/27/2020 9:58:05 PM |
| **EPA METHOD 300.0: ANIONS** | | | | | | Analyst: **JMT** |
| Chloride | 530 | 60 | | mg/Kg | 20 | 7/30/2020 10:45:40 AM |

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

**Qualifiers:**

| | |
|---|---|
| * | Value exceeds Maximum Contaminant Level. |
| D | Sample Diluted Due to Matrix |
| H | Holding times for preparation or analysis exceeded |
| ND | Not Detected at the Reporting Limit |
| PQL | Practical Quanitative Limit |
| S | % Recovery outside of range due to dilution or matrix |
| B | Analyte detected in the associated Method Blank |
| E | Value above quantitation range |
| J | Analyte detected below quantitation limits |
| P | Sample pH Not In Range |
| RL | Reporting Limit |

**Analytical Report**
Lab Order **2007C50**
Date Reported: **8/4/2020**

# Hall Environmental Analysis Laboratory, Inc.

**CLIENT:** Pima Environmental Services LLC
**Client Sample ID:** S4-2'
**Project:** New Mexico Fed Com 1
**Collection Date:** 7/23/2020 8:58:00 AM
**Lab ID:** 2007C50-015 **Matrix:** SOIL
**Received Date:** 7/24/2020 9:50:00 AM

| Analyses | Result | RL | Qual | Units | DF | Date Analyzed |
|---|---|---|---|---|---|---|
| **EPA METHOD 8015M/D: DIESEL RANGE ORGANICS** | | | | | | Analyst: **BRM** |
| Diesel Range Organics (DRO) | 91 | 9.6 | | mg/Kg | 1 | 7/30/2020 3:28:56 PM |
| Motor Oil Range Organics (MRO) | 190 | 48 | | mg/Kg | 1 | 7/30/2020 3:28:56 PM |
| Surr: DNOP | 93.8 | 30.4-154 | | %Rec | 1 | 7/30/2020 3:28:56 PM |
| **EPA METHOD 8015D: GASOLINE RANGE** | | | | | | Analyst: **NSB** |
| Gasoline Range Organics (GRO) | ND | 5.0 | | mg/Kg | 1 | 7/27/2020 10:21:30 PM |
| Surr: BFB | 84.4 | 66.6-105 | | %Rec | 1 | 7/27/2020 10:21:30 PM |
| **EPA METHOD 8021B: VOLATILES** | | | | | | Analyst: **NSB** |
| Benzene | ND | 0.025 | | mg/Kg | 1 | 7/27/2020 10:21:30 PM |
| Toluene | ND | 0.050 | | mg/Kg | 1 | 7/27/2020 10:21:30 PM |
| Ethylbenzene | ND | 0.050 | | mg/Kg | 1 | 7/27/2020 10:21:30 PM |
| Xylenes, Total | ND | 0.099 | | mg/Kg | 1 | 7/27/2020 10:21:30 PM |
| Surr: 4-Bromofluorobenzene | 99.4 | 80-120 | | %Rec | 1 | 7/27/2020 10:21:30 PM |
| **EPA METHOD 300.0: ANIONS** | | | | | | Analyst: **JMT** |
| Chloride | 980 | 60 | | mg/Kg | 20 | 7/30/2020 10:58:02 AM |

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

**Qualifiers:**

| | |
|---|---|
| * | Value exceeds Maximum Contaminant Level. |
| D | Sample Diluted Due to Matrix |
| H | Holding times for preparation or analysis exceeded |
| ND | Not Detected at the Reporting Limit |
| PQL | Practical Quanitative Limit |
| S | % Recovery outside of range due to dilution or matrix |
| B | Analyte detected in the associated Method Blank |
| E | Value above quantitation range |
| J | Analyte detected below quantitation limits |
| P | Sample pH Not In Range |
| RL | Reporting Limit |

**Analytical Report**
Lab Order **2007C50**
Date Reported: **8/4/2020**

# Hall Environmental Analysis Laboratory, Inc.

**CLIENT:** Pima Environmental Services LLC
**Client Sample ID:** S4-3'
**Project:** New Mexico Fed Com 1
**Collection Date:** 7/23/2020 9:00:00 AM
**Lab ID:** 2007C50-016 **Matrix:** SOIL
**Received Date:** 7/24/2020 9:50:00 AM

| Analyses | Result | RL | Qual | Units | DF | Date Analyzed |
|---|---|---|---|---|---|---|
| **EPA METHOD 8015M/D: DIESEL RANGE ORGANICS** | | | | | | Analyst: **BRM** |
| Diesel Range Organics (DRO) | 110 | 9.5 | | mg/Kg | 1 | 7/30/2020 3:53:02 PM |
| Motor Oil Range Organics (MRO) | 220 | 47 | | mg/Kg | 1 | 7/30/2020 3:53:02 PM |
| Surr: DNOP | 101 | 30.4-154 | | %Rec | 1 | 7/30/2020 3:53:02 PM |
| **EPA METHOD 8015D: GASOLINE RANGE** | | | | | | Analyst: **NSB** |
| Gasoline Range Organics (GRO) | ND | 5.0 | | mg/Kg | 1 | 7/27/2020 10:45:02 PM |
| Surr: BFB | 84.7 | 66.6-105 | | %Rec | 1 | 7/27/2020 10:45:02 PM |
| **EPA METHOD 8021B: VOLATILES** | | | | | | Analyst: **NSB** |
| Benzene | ND | 0.025 | | mg/Kg | 1 | 7/27/2020 10:45:02 PM |
| Toluene | ND | 0.050 | | mg/Kg | 1 | 7/27/2020 10:45:02 PM |
| Ethylbenzene | ND | 0.050 | | mg/Kg | 1 | 7/27/2020 10:45:02 PM |
| Xylenes, Total | ND | 0.099 | | mg/Kg | 1 | 7/27/2020 10:45:02 PM |
| Surr: 4-Bromofluorobenzene | 99.4 | 80-120 | | %Rec | 1 | 7/27/2020 10:45:02 PM |
| **EPA METHOD 300.0: ANIONS** | | | | | | Analyst: **JMT** |
| Chloride | 1600 | 59 | | mg/Kg | 20 | 7/30/2020 11:10:24 AM |

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

**Qualifiers:**

| | |
|---|---|
| * | Value exceeds Maximum Contaminant Level. |
| D | Sample Diluted Due to Matrix |
| H | Holding times for preparation or analysis exceeded |
| ND | Not Detected at the Reporting Limit |
| PQL | Practical Quanitative Limit |
| S | % Recovery outside of range due to dilution or matrix |
| B | Analyte detected in the associated Method Blank |
| E | Value above quantitation range |
| J | Analyte detected below quantitation limits |
| P | Sample pH Not In Range |
| RL | Reporting Limit |

**Analytical Report**
Lab Order **2007C50**
Date Reported: **8/4/2020**

# Hall Environmental Analysis Laboratory, Inc.

**CLIENT:** Pima Environmental Services LLC
**Client Sample ID:** S5-0-6"
**Project:** New Mexico Fed Com 1
**Collection Date:** 7/23/2020 9:02:00 AM
**Lab ID:** 2007C50-017 **Matrix:** SOIL
**Received Date:** 7/24/2020 9:50:00 AM

| Analyses | Result | RL | Qual | Units | DF | Date Analyzed |
|---|---|---|---|---|---|---|
| **EPA METHOD 8015M/D: DIESEL RANGE ORGANICS** | | | | | | Analyst: **BRM** |
| Diesel Range Organics (DRO) | 55 | 9.4 | | mg/Kg | 1 | 7/31/2020 12:02:24 PM |
| Motor Oil Range Organics (MRO) | 97 | 47 | | mg/Kg | 1 | 7/31/2020 12:02:24 PM |
| Surr: DNOP | 102 | 30.4-154 | | %Rec | 1 | 7/31/2020 12:02:24 PM |
| **EPA METHOD 8015D: GASOLINE RANGE** | | | | | | Analyst: **NSB** |
| Gasoline Range Organics (GRO) | ND | 5.0 | | mg/Kg | 1 | 7/27/2020 11:08:38 PM |
| Surr: BFB | 82.0 | 66.6-105 | | %Rec | 1 | 7/27/2020 11:08:38 PM |
| **EPA METHOD 8021B: VOLATILES** | | | | | | Analyst: **NSB** |
| Benzene | ND | 0.025 | | mg/Kg | 1 | 7/27/2020 11:08:38 PM |
| Toluene | ND | 0.050 | | mg/Kg | 1 | 7/27/2020 11:08:38 PM |
| Ethylbenzene | ND | 0.050 | | mg/Kg | 1 | 7/27/2020 11:08:38 PM |
| Xylenes, Total | ND | 0.10 | | mg/Kg | 1 | 7/27/2020 11:08:38 PM |
| Surr: 4-Bromofluorobenzene | 98.3 | 80-120 | | %Rec | 1 | 7/27/2020 11:08:38 PM |
| **EPA METHOD 300.0: ANIONS** | | | | | | Analyst: **JMT** |
| Chloride | 690 | 60 | | mg/Kg | 20 | 7/30/2020 11:22:45 AM |

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

**Qualifiers:**

| | |
|---|---|
| * | Value exceeds Maximum Contaminant Level. |
| D | Sample Diluted Due to Matrix |
| H | Holding times for preparation or analysis exceeded |
| ND | Not Detected at the Reporting Limit |
| PQL | Practical Quanitative Limit |
| S | % Recovery outside of range due to dilution or matrix |
| B | Analyte detected in the associated Method Blank |
| E | Value above quantitation range |
| J | Analyte detected below quantitation limits |
| P | Sample pH Not In Range |
| RL | Reporting Limit |

**Analytical Report**
Lab Order **2007C50**
Date Reported: **8/4/2020**

# Hall Environmental Analysis Laboratory, Inc.

**CLIENT:** Pima Environmental Services LLC
**Client Sample ID:** S5-1'
**Project:** New Mexico Fed Com 1
**Collection Date:** 7/23/2020 9:04:00 AM
**Lab ID:** 2007C50-018 **Matrix:** SOIL
**Received Date:** 7/24/2020 9:50:00 AM

| Analyses | Result | RL | Qual | Units | DF | Date Analyzed |
|---|---|---|---|---|---|---|
| **EPA METHOD 8015M/D: DIESEL RANGE ORGANICS** | | | | | | Analyst: **BRM** |
| Diesel Range Organics (DRO) | 74 | 9.5 | | mg/Kg | 1 | 7/31/2020 12:26:17 PM |
| Motor Oil Range Organics (MRO) | 150 | 47 | | mg/Kg | 1 | 7/31/2020 12:26:17 PM |
| Surr: DNOP | 101 | 30.4-154 | | %Rec | 1 | 7/31/2020 12:26:17 PM |
| **EPA METHOD 8015D: GASOLINE RANGE** | | | | | | Analyst: **NSB** |
| Gasoline Range Organics (GRO) | ND | 4.9 | | mg/Kg | 1 | 7/27/2020 11:32:09 PM |
| Surr: BFB | 86.0 | 66.6-105 | | %Rec | 1 | 7/27/2020 11:32:09 PM |
| **EPA METHOD 8021B: VOLATILES** | | | | | | Analyst: **NSB** |
| Benzene | ND | 0.024 | | mg/Kg | 1 | 7/27/2020 11:32:09 PM |
| Toluene | ND | 0.049 | | mg/Kg | 1 | 7/27/2020 11:32:09 PM |
| Ethylbenzene | ND | 0.049 | | mg/Kg | 1 | 7/27/2020 11:32:09 PM |
| Xylenes, Total | ND | 0.098 | | mg/Kg | 1 | 7/27/2020 11:32:09 PM |
| Surr: 4-Bromofluorobenzene | 99.5 | 80-120 | | %Rec | 1 | 7/27/2020 11:32:09 PM |
| **EPA METHOD 300.0: ANIONS** | | | | | | Analyst: **JMT** |
| Chloride | 960 | 60 | | mg/Kg | 20 | 7/30/2020 11:35:07 AM |

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

**Qualifiers:**

| | |
|---|---|
| * | Value exceeds Maximum Contaminant Level. |
| D | Sample Diluted Due to Matrix |
| H | Holding times for preparation or analysis exceeded |
| ND | Not Detected at the Reporting Limit |
| PQL | Practical Quanitative Limit |
| S | % Recovery outside of range due to dilution or matrix |
| B | Analyte detected in the associated Method Blank |
| E | Value above quantitation range |
| J | Analyte detected below quantitation limits |
| P | Sample pH Not In Range |
| RL | Reporting Limit |

**Analytical Report**
Lab Order **2007C50**
Date Reported: **8/4/2020**

# Hall Environmental Analysis Laboratory, Inc.

**CLIENT:** Pima Environmental Services LLC
**Client Sample ID:** S5-2'
**Project:** New Mexico Fed Com 1
**Collection Date:** 7/23/2020 9:06:00 AM
**Lab ID:** 2007C50-019 **Matrix:** SOIL
**Received Date:** 7/24/2020 9:50:00 AM

| Analyses | Result | RL | Qual | Units | DF | Date Analyzed |
|---|---|---|---|---|---|---|
| **EPA METHOD 8015M/D: DIESEL RANGE ORGANICS** | | | | | | Analyst: **BRM** |
| Diesel Range Organics (DRO) | ND | 10 | | mg/Kg | 1 | 7/30/2020 4:55:44 AM |
| Motor Oil Range Organics (MRO) | ND | 51 | | mg/Kg | 1 | 7/30/2020 4:55:44 AM |
| Surr: DNOP | 133 | 30.4-154 | | %Rec | 1 | 7/30/2020 4:55:44 AM |
| **EPA METHOD 8015D: GASOLINE RANGE** | | | | | | Analyst: **NSB** |
| Gasoline Range Organics (GRO) | ND | 4.9 | | mg/Kg | 1 | 7/27/2020 11:55:36 PM |
| Surr: BFB | 86.4 | 66.6-105 | | %Rec | 1 | 7/27/2020 11:55:36 PM |
| **EPA METHOD 8021B: VOLATILES** | | | | | | Analyst: **NSB** |
| Benzene | ND | 0.025 | | mg/Kg | 1 | 7/27/2020 11:55:36 PM |
| Toluene | ND | 0.049 | | mg/Kg | 1 | 7/27/2020 11:55:36 PM |
| Ethylbenzene | ND | 0.049 | | mg/Kg | 1 | 7/27/2020 11:55:36 PM |
| Xylenes, Total | ND | 0.099 | | mg/Kg | 1 | 7/27/2020 11:55:36 PM |
| Surr: 4-Bromofluorobenzene | 102 | 80-120 | | %Rec | 1 | 7/27/2020 11:55:36 PM |
| **EPA METHOD 300.0: ANIONS** | | | | | | Analyst: **JMT** |
| Chloride | 1600 | 60 | | mg/Kg | 20 | 7/30/2020 11:47:28 AM |

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

**Qualifiers:**

| | |
|---|---|
| * | Value exceeds Maximum Contaminant Level. |
| D | Sample Diluted Due to Matrix |
| H | Holding times for preparation or analysis exceeded |
| ND | Not Detected at the Reporting Limit |
| PQL | Practical Quanitative Limit |
| S | % Recovery outside of range due to dilution or matrix |
| B | Analyte detected in the associated Method Blank |
| E | Value above quantitation range |
| J | Analyte detected below quantitation limits |
| P | Sample pH Not In Range |
| RL | Reporting Limit |

**Analytical Report**
Lab Order **2007C50**
Date Reported: **8/4/2020**

# Hall Environmental Analysis Laboratory, Inc.

**CLIENT:** Pima Environmental Services LLC
**Client Sample ID:** S5-3'
**Project:** New Mexico Fed Com 1
**Collection Date:** 7/23/2020 9:08:00 AM
**Lab ID:** 2007C50-020 **Matrix:** SOIL
**Received Date:** 7/24/2020 9:50:00 AM

| Analyses | Result | RL | Qual | Units | DF | Date Analyzed |
|---|---|---|---|---|---|---|
| **EPA METHOD 8015M/D: DIESEL RANGE ORGANICS** | | | | | | Analyst: **BRM** |
| Diesel Range Organics (DRO) | ND | 9.8 | | mg/Kg | 1 | 7/30/2020 5:05:54 AM |
| Motor Oil Range Organics (MRO) | ND | 49 | | mg/Kg | 1 | 7/30/2020 5:05:54 AM |
| Surr: DNOP | 110 | 30.4-154 | | %Rec | 1 | 7/30/2020 5:05:54 AM |
| **EPA METHOD 8015D: GASOLINE RANGE** | | | | | | Analyst: **NSB** |
| Gasoline Range Organics (GRO) | ND | 4.9 | | mg/Kg | 1 | 7/28/2020 12:19:10 AM |
| Surr: BFB | 88.5 | 66.6-105 | | %Rec | 1 | 7/28/2020 12:19:10 AM |
| **EPA METHOD 8021B: VOLATILES** | | | | | | Analyst: **NSB** |
| Benzene | ND | 0.024 | | mg/Kg | 1 | 7/28/2020 12:19:10 AM |
| Toluene | ND | 0.049 | | mg/Kg | 1 | 7/28/2020 12:19:10 AM |
| Ethylbenzene | ND | 0.049 | | mg/Kg | 1 | 7/28/2020 12:19:10 AM |
| Xylenes, Total | ND | 0.097 | | mg/Kg | 1 | 7/28/2020 12:19:10 AM |
| Surr: 4-Bromofluorobenzene | 101 | 80-120 | | %Rec | 1 | 7/28/2020 12:19:10 AM |
| **EPA METHOD 300.0: ANIONS** | | | | | | Analyst: **MRA** |
| Chloride | 2600 | 150 | | mg/Kg | 50 | 7/31/2020 10:05:40 AM |

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

**Qualifiers:**

| | |
|---|---|
| * | Value exceeds Maximum Contaminant Level. |
| D | Sample Diluted Due to Matrix |
| H | Holding times for preparation or analysis exceeded |
| ND | Not Detected at the Reporting Limit |
| PQL | Practical Quanitative Limit |
| S | % Recovery outside of range due to dilution or matrix |
| B | Analyte detected in the associated Method Blank |
| E | Value above quantitation range |
| J | Analyte detected below quantitation limits |
| P | Sample pH Not In Range |
| RL | Reporting Limit |

**Analytical Report**
Lab Order **2007C50**
Date Reported: **8/4/2020**

# Hall Environmental Analysis Laboratory, Inc.

**CLIENT:** Pima Environmental Services LLC
**Client Sample ID:** S6-0-6"
**Project:** New Mexico Fed Com 1
**Collection Date:** 7/23/2020 9:10:00 AM
**Lab ID:** 2007C50-021 **Matrix:** SOIL
**Received Date:** 7/24/2020 9:50:00 AM

| Analyses | Result | RL | Qual | Units | DF | Date Analyzed |
|---|---|---|---|---|---|---|
| **EPA METHOD 8015M/D: DIESEL RANGE ORGANICS** | | | | | | Analyst: **BRM** |
| Diesel Range Organics (DRO) | 15 | 9.6 | | mg/Kg | 1 | 7/30/2020 5:54:11 PM |
| Motor Oil Range Organics (MRO) | ND | 48 | | mg/Kg | 1 | 7/30/2020 5:54:11 PM |
| Surr: DNOP | 96.4 | 30.4-154 | | %Rec | 1 | 7/30/2020 5:54:11 PM |
| **EPA METHOD 8015D: GASOLINE RANGE** | | | | | | Analyst: **NSB** |
| Gasoline Range Organics (GRO) | ND | 4.9 | | mg/Kg | 1 | 7/28/2020 12:42:32 AM |
| Surr: BFB | 84.3 | 66.6-105 | | %Rec | 1 | 7/28/2020 12:42:32 AM |
| **EPA METHOD 8021B: VOLATILES** | | | | | | Analyst: **NSB** |
| Benzene | ND | 0.025 | | mg/Kg | 1 | 7/28/2020 12:42:32 AM |
| Toluene | ND | 0.049 | | mg/Kg | 1 | 7/28/2020 12:42:32 AM |
| Ethylbenzene | ND | 0.049 | | mg/Kg | 1 | 7/28/2020 12:42:32 AM |
| Xylenes, Total | ND | 0.099 | | mg/Kg | 1 | 7/28/2020 12:42:32 AM |
| Surr: 4-Bromofluorobenzene | 101 | 80-120 | | %Rec | 1 | 7/28/2020 12:42:32 AM |
| **EPA METHOD 300.0: ANIONS** | | | | | | Analyst: **JMT** |
| Chloride | 660 | 60 | | mg/Kg | 20 | 7/30/2020 12:12:10 PM |

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

**Qualifiers:**

| | |
|---|---|
| * | Value exceeds Maximum Contaminant Level. |
| D | Sample Diluted Due to Matrix |
| H | Holding times for preparation or analysis exceeded |
| ND | Not Detected at the Reporting Limit |
| PQL | Practical Quanitative Limit |
| S | % Recovery outside of range due to dilution or matrix |
| B | Analyte detected in the associated Method Blank |
| E | Value above quantitation range |
| J | Analyte detected below quantitation limits |
| P | Sample pH Not In Range |
| RL | Reporting Limit |

**Analytical Report**
Lab Order **2007C50**
Date Reported: **8/4/2020**

# Hall Environmental Analysis Laboratory, Inc.

**CLIENT:** Pima Environmental Services LLC
**Client Sample ID:** S6-1'
**Project:** New Mexico Fed Com 1
**Collection Date:** 7/23/2020 9:12:00 AM
**Lab ID:** 2007C50-022 **Matrix:** SOIL
**Received Date:** 7/24/2020 9:50:00 AM

| Analyses | Result | RL | Qual | Units | DF | Date Analyzed |
|---|---|---|---|---|---|---|
| **EPA METHOD 8015M/D: DIESEL RANGE ORGANICS** | | | | | | Analyst: **BRM** |
| Diesel Range Organics (DRO) | ND | 9.1 | | mg/Kg | 1 | 7/30/2020 7:07:05 PM |
| Motor Oil Range Organics (MRO) | ND | 46 | | mg/Kg | 1 | 7/30/2020 7:07:05 PM |
| Surr: DNOP | 103 | 30.4-154 | | %Rec | 1 | 7/30/2020 7:07:05 PM |
| **EPA METHOD 300.0: ANIONS** | | | | | | Analyst: **JMT** |
| Chloride | 320 | 60 | | mg/Kg | 20 | 7/30/2020 12:24:31 PM |
| **EPA METHOD 8260B: VOLATILES SHORT LIST** | | | | | | Analyst: **JMR** |
| Benzene | ND | 0.024 | | mg/Kg | 1 | 7/27/2020 4:25:33 PM |
| Toluene | ND | 0.049 | | mg/Kg | 1 | 7/27/2020 4:25:33 PM |
| Ethylbenzene | ND | 0.049 | | mg/Kg | 1 | 7/27/2020 4:25:33 PM |
| Xylenes, Total | ND | 0.098 | | mg/Kg | 1 | 7/27/2020 4:25:33 PM |
| Surr: 1,2-Dichloroethane-d4 | 99.3 | 70-130 | | %Rec | 1 | 7/27/2020 4:25:33 PM |
| Surr: 4-Bromofluorobenzene | 90.5 | 70-130 | | %Rec | 1 | 7/27/2020 4:25:33 PM |
| Surr: Dibromofluoromethane | 101 | 70-130 | | %Rec | 1 | 7/27/2020 4:25:33 PM |
| Surr: Toluene-d8 | 100 | 70-130 | | %Rec | 1 | 7/27/2020 4:25:33 PM |
| **EPA METHOD 8015D MOD: GASOLINE RANGE** | | | | | | Analyst: **JMR** |
| Gasoline Range Organics (GRO) | ND | 4.9 | | mg/Kg | 1 | 7/27/2020 4:25:33 PM |
| Surr: BFB | 99.7 | 70-130 | | %Rec | 1 | 7/27/2020 4:25:33 PM |

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

**Qualifiers:**

| | |
|---|---|
| * | Value exceeds Maximum Contaminant Level. |
| D | Sample Diluted Due to Matrix |
| H | Holding times for preparation or analysis exceeded |
| ND | Not Detected at the Reporting Limit |
| PQL | Practical Quanitative Limit |
| S | % Recovery outside of range due to dilution or matrix |
| B | Analyte detected in the associated Method Blank |
| E | Value above quantitation range |
| J | Analyte detected below quantitation limits |
| P | Sample pH Not In Range |
| RL | Reporting Limit |

**Analytical Report**
Lab Order **2007C50**
Date Reported: **8/4/2020**

# Hall Environmental Analysis Laboratory, Inc.

**CLIENT:** Pima Environmental Services LLC
**Client Sample ID:** S7-0-6"
**Project:** New Mexico Fed Com 1
**Collection Date:** 7/23/2020 9:14:00 AM
**Lab ID:** 2007C50-023 **Matrix:** SOIL
**Received Date:** 7/24/2020 9:50:00 AM

| Analyses | Result | RL | Qual | Units | DF | Date Analyzed |
|---|---|---|---|---|---|---|
| **EPA METHOD 8015M/D: DIESEL RANGE ORGANICS** | | | | | | Analyst: **BRM** |
| Diesel Range Organics (DRO) | ND | 9.7 | | mg/Kg | 1 | 7/30/2020 8:43:27 PM |
| Motor Oil Range Organics (MRO) | ND | 48 | | mg/Kg | 1 | 7/30/2020 8:43:27 PM |
| Surr: DNOP | 111 | 30.4-154 | | %Rec | 1 | 7/30/2020 8:43:27 PM |
| **EPA METHOD 300.0: ANIONS** | | | | | | Analyst: **JMT** |
| Chloride | 270 | 61 | | mg/Kg | 20 | 7/30/2020 1:01:36 PM |
| **EPA METHOD 8260B: VOLATILES SHORT LIST** | | | | | | Analyst: **JMR** |
| Benzene | ND | 0.024 | | mg/Kg | 1 | 7/27/2020 5:51:30 PM |
| Toluene | ND | 0.049 | | mg/Kg | 1 | 7/27/2020 5:51:30 PM |
| Ethylbenzene | ND | 0.049 | | mg/Kg | 1 | 7/27/2020 5:51:30 PM |
| Xylenes, Total | ND | 0.098 | | mg/Kg | 1 | 7/27/2020 5:51:30 PM |
| Surr: 1,2-Dichloroethane-d4 | 92.6 | 70-130 | | %Rec | 1 | 7/27/2020 5:51:30 PM |
| Surr: 4-Bromofluorobenzene | 93.3 | 70-130 | | %Rec | 1 | 7/27/2020 5:51:30 PM |
| Surr: Dibromofluoromethane | 103 | 70-130 | | %Rec | 1 | 7/27/2020 5:51:30 PM |
| Surr: Toluene-d8 | 96.9 | 70-130 | | %Rec | 1 | 7/27/2020 5:51:30 PM |
| **EPA METHOD 8015D MOD: GASOLINE RANGE** | | | | | | Analyst: **JMR** |
| Gasoline Range Organics (GRO) | ND | 4.9 | | mg/Kg | 1 | 7/27/2020 5:51:30 PM |
| Surr: BFB | 100 | 70-130 | | %Rec | 1 | 7/27/2020 5:51:30 PM |

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

**Qualifiers:**

| | | | |
|---|---|---|---|
| * | Value exceeds Maximum Contaminant Level. | B | Analyte detected in the associated Method Blank |
| D | Sample Diluted Due to Matrix | E | Value above quantitation range |
| H | Holding times for preparation or analysis exceeded | J | Analyte detected below quantitation limits |
| ND | Not Detected at the Reporting Limit | P | Sample pH Not In Range |
| PQL | Practical Quanitative Limit | RL | Reporting Limit |
| S | % Recovery outside of range due to dilution or matrix | | |

**Analytical Report**
Lab Order **2007C50**
Date Reported: **8/4/2020**

# Hall Environmental Analysis Laboratory, Inc.

**CLIENT:** Pima Environmental Services LLC
**Client Sample ID:** S7-1'
**Project:** New Mexico Fed Com 1
**Collection Date:** 7/23/2020 9:16:00 AM
**Lab ID:** 2007C50-024 **Matrix:** SOIL
**Received Date:** 7/24/2020 9:50:00 AM

| Analyses | Result | RL | Qual | Units | DF | Date Analyzed |
|---|---|---|---|---|---|---|
| **EPA METHOD 8015M/D: DIESEL RANGE ORGANICS** | | | | | | Analyst: **BRM** |
| Diesel Range Organics (DRO) | 34 | 9.6 | | mg/Kg | 1 | 7/31/2020 8:20:49 AM |
| Motor Oil Range Organics (MRO) | 61 | 48 | | mg/Kg | 1 | 7/31/2020 8:20:49 AM |
| Surr: DNOP | 108 | 30.4-154 | | %Rec | 1 | 7/31/2020 8:20:49 AM |
| **EPA METHOD 300.0: ANIONS** | | | | | | Analyst: **JMT** |
| Chloride | 370 | 60 | | mg/Kg | 20 | 7/30/2020 1:13:57 PM |
| **EPA METHOD 8260B: VOLATILES SHORT LIST** | | | | | | Analyst: **JMR** |
| Benzene | ND | 0.025 | | mg/Kg | 1 | 7/27/2020 7:17:26 PM |
| Toluene | ND | 0.050 | | mg/Kg | 1 | 7/27/2020 7:17:26 PM |
| Ethylbenzene | ND | 0.050 | | mg/Kg | 1 | 7/27/2020 7:17:26 PM |
| Xylenes, Total | ND | 0.10 | | mg/Kg | 1 | 7/27/2020 7:17:26 PM |
| Surr: 1,2-Dichloroethane-d4 | 99.4 | 70-130 | | %Rec | 1 | 7/27/2020 7:17:26 PM |
| Surr: 4-Bromofluorobenzene | 92.0 | 70-130 | | %Rec | 1 | 7/27/2020 7:17:26 PM |
| Surr: Dibromofluoromethane | 106 | 70-130 | | %Rec | 1 | 7/27/2020 7:17:26 PM |
| Surr: Toluene-d8 | 96.9 | 70-130 | | %Rec | 1 | 7/27/2020 7:17:26 PM |
| **EPA METHOD 8015D MOD: GASOLINE RANGE** | | | | | | Analyst: **JMR** |
| Gasoline Range Organics (GRO) | ND | 5.0 | | mg/Kg | 1 | 7/27/2020 7:17:26 PM |
| Surr: BFB | 99.1 | 70-130 | | %Rec | 1 | 7/27/2020 7:17:26 PM |

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

**Qualifiers:**

| | |
|---|---|
| * | Value exceeds Maximum Contaminant Level. |
| D | Sample Diluted Due to Matrix |
| H | Holding times for preparation or analysis exceeded |
| ND | Not Detected at the Reporting Limit |
| PQL | Practical Quanitative Limit |
| S | % Recovery outside of range due to dilution or matrix |
| B | Analyte detected in the associated Method Blank |
| E | Value above quantitation range |
| J | Analyte detected below quantitation limits |
| P | Sample pH Not In Range |
| RL | Reporting Limit |

**Analytical Report**
Lab Order **2007C50**
Date Reported: **8/4/2020**

# Hall Environmental Analysis Laboratory, Inc.

**CLIENT:** Pima Environmental Services LLC
**Client Sample ID:** S7-2'
**Project:** New Mexico Fed Com 1
**Collection Date:** 7/23/2020 9:18:00 AM
**Lab ID:** 2007C50-025 **Matrix:** SOIL
**Received Date:** 7/24/2020 9:50:00 AM

| Analyses | Result | RL | Qual | Units | DF | Date Analyzed |
|---|---|---|---|---|---|---|
| **EPA METHOD 8015M/D: DIESEL RANGE ORGANICS** | | | | | | Analyst: **BRM** |
| Diesel Range Organics (DRO) | 630 | 94 | | mg/Kg | 10 | 7/31/2020 8:44:40 AM |
| Motor Oil Range Organics (MRO) | 1400 | 470 | | mg/Kg | 10 | 7/31/2020 8:44:40 AM |
| Surr: DNOP | 0 | 30.4-154 | S | %Rec | 10 | 7/31/2020 8:44:40 AM |
| **EPA METHOD 300.0: ANIONS** | | | | | | Analyst: **MRA** |
| Chloride | 2400 | 150 | | mg/Kg | 50 | 7/31/2020 10:18:05 AM |
| **EPA METHOD 8260B: VOLATILES SHORT LIST** | | | | | | Analyst: **JMR** |
| Benzene | ND | 0.024 | | mg/Kg | 1 | 7/27/2020 7:46:01 PM |
| Toluene | ND | 0.048 | | mg/Kg | 1 | 7/27/2020 7:46:01 PM |
| Ethylbenzene | ND | 0.048 | | mg/Kg | 1 | 7/27/2020 7:46:01 PM |
| Xylenes, Total | ND | 0.097 | | mg/Kg | 1 | 7/27/2020 7:46:01 PM |
| Surr: 1,2-Dichloroethane-d4 | 99.0 | 70-130 | | %Rec | 1 | 7/27/2020 7:46:01 PM |
| Surr: 4-Bromofluorobenzene | 91.0 | 70-130 | | %Rec | 1 | 7/27/2020 7:46:01 PM |
| Surr: Dibromofluoromethane | 104 | 70-130 | | %Rec | 1 | 7/27/2020 7:46:01 PM |
| Surr: Toluene-d8 | 96.6 | 70-130 | | %Rec | 1 | 7/27/2020 7:46:01 PM |
| **EPA METHOD 8015D MOD: GASOLINE RANGE** | | | | | | Analyst: **JMR** |
| Gasoline Range Organics (GRO) | ND | 4.8 | | mg/Kg | 1 | 7/27/2020 7:46:01 PM |
| Surr: BFB | 98.8 | 70-130 | | %Rec | 1 | 7/27/2020 7:46:01 PM |

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

**Qualifiers:**

| | |
|---|---|
| * | Value exceeds Maximum Contaminant Level. |
| D | Sample Diluted Due to Matrix |
| H | Holding times for preparation or analysis exceeded |
| ND | Not Detected at the Reporting Limit |
| PQL | Practical Quanitative Limit |
| S | % Recovery outside of range due to dilution or matrix |
| B | Analyte detected in the associated Method Blank |
| E | Value above quantitation range |
| J | Analyte detected below quantitation limits |
| P | Sample pH Not In Range |
| RL | Reporting Limit |

**Analytical Report**
Lab Order **2007C50**
Date Reported: **8/4/2020**

# Hall Environmental Analysis Laboratory, Inc.

**CLIENT:** Pima Environmental Services LLC
**Client Sample ID:** S7-3'
**Project:** New Mexico Fed Com 1
**Collection Date:** 7/23/2020 9:20:00 AM
**Lab ID:** 2007C50-026 **Matrix:** SOIL
**Received Date:** 7/24/2020 9:50:00 AM

| Analyses | Result | RL | Qual | Units | DF | Date Analyzed |
|---|---|---|---|---|---|---|
| **EPA METHOD 8015M/D: DIESEL RANGE ORGANICS** | | | | | | Analyst: **BRM** |
| Diesel Range Organics (DRO) | 19 | 9.4 | | mg/Kg | 1 | 7/31/2020 9:08:30 AM |
| Motor Oil Range Organics (MRO) | 50 | 47 | | mg/Kg | 1 | 7/31/2020 9:08:30 AM |
| Surr: DNOP | 107 | 30.4-154 | | %Rec | 1 | 7/31/2020 9:08:30 AM |
| **EPA METHOD 300.0: ANIONS** | | | | | | Analyst: **MRA** |
| Chloride | 3100 | 150 | | mg/Kg | 50 | 7/31/2020 10:30:29 AM |
| **EPA METHOD 8260B: VOLATILES SHORT LIST** | | | | | | Analyst: **JMR** |
| Benzene | ND | 0.024 | | mg/Kg | 1 | 7/27/2020 8:14:35 PM |
| Toluene | ND | 0.048 | | mg/Kg | 1 | 7/27/2020 8:14:35 PM |
| Ethylbenzene | ND | 0.048 | | mg/Kg | 1 | 7/27/2020 8:14:35 PM |
| Xylenes, Total | ND | 0.097 | | mg/Kg | 1 | 7/27/2020 8:14:35 PM |
| Surr: 1,2-Dichloroethane-d4 | 88.0 | 70-130 | | %Rec | 1 | 7/27/2020 8:14:35 PM |
| Surr: 4-Bromofluorobenzene | 87.3 | 70-130 | | %Rec | 1 | 7/27/2020 8:14:35 PM |
| Surr: Dibromofluoromethane | 97.6 | 70-130 | | %Rec | 1 | 7/27/2020 8:14:35 PM |
| Surr: Toluene-d8 | 101 | 70-130 | | %Rec | 1 | 7/27/2020 8:14:35 PM |
| **EPA METHOD 8015D MOD: GASOLINE RANGE** | | | | | | Analyst: **JMR** |
| Gasoline Range Organics (GRO) | ND | 4.8 | | mg/Kg | 1 | 7/27/2020 8:14:35 PM |
| Surr: BFB | 96.5 | 70-130 | | %Rec | 1 | 7/27/2020 8:14:35 PM |

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

**Qualifiers:**

| | |
|---|---|
| * | Value exceeds Maximum Contaminant Level. |
| D | Sample Diluted Due to Matrix |
| H | Holding times for preparation or analysis exceeded |
| ND | Not Detected at the Reporting Limit |
| PQL | Practical Quanitative Limit |
| S | % Recovery outside of range due to dilution or matrix |
| B | Analyte detected in the associated Method Blank |
| E | Value above quantitation range |
| J | Analyte detected below quantitation limits |
| P | Sample pH Not In Range |
| RL | Reporting Limit |

**Analytical Report**
Lab Order **2007C50**
Date Reported: **8/4/2020**

# Hall Environmental Analysis Laboratory, Inc.

**CLIENT:** Pima Environmental Services LLC
**Client Sample ID:** S8-0-6"
**Project:** New Mexico Fed Com 1
**Collection Date:** 7/23/2020 9:22:00 AM
**Lab ID:** 2007C50-027 **Matrix:** SOIL
**Received Date:** 7/24/2020 9:50:00 AM

| Analyses | Result | RL | Qual | Units | DF | Date Analyzed |
|---|---|---|---|---|---|---|
| **EPA METHOD 8015M/D: DIESEL RANGE ORGANICS** | | | | | | Analyst: **BRM** |
| Diesel Range Organics (DRO) | ND | 9.3 | | mg/Kg | 1 | 7/30/2020 10:19:55 PM |
| Motor Oil Range Organics (MRO) | ND | 47 | | mg/Kg | 1 | 7/30/2020 10:19:55 PM |
| Surr: DNOP | 92.8 | 30.4-154 | | %Rec | 1 | 7/30/2020 10:19:55 PM |
| **EPA METHOD 300.0: ANIONS** | | | | | | Analyst: **MRA** |
| Chloride | 8200 | 300 | | mg/Kg | 100 | 7/31/2020 10:42:54 AM |
| **EPA METHOD 8260B: VOLATILES SHORT LIST** | | | | | | Analyst: **JMR** |
| Benzene | ND | 0.025 | | mg/Kg | 1 | 7/27/2020 8:43:07 PM |
| Toluene | ND | 0.050 | | mg/Kg | 1 | 7/27/2020 8:43:07 PM |
| Ethylbenzene | ND | 0.050 | | mg/Kg | 1 | 7/27/2020 8:43:07 PM |
| Xylenes, Total | ND | 0.10 | | mg/Kg | 1 | 7/27/2020 8:43:07 PM |
| Surr: 1,2-Dichloroethane-d4 | 101 | 70-130 | | %Rec | 1 | 7/27/2020 8:43:07 PM |
| Surr: 4-Bromofluorobenzene | 92.5 | 70-130 | | %Rec | 1 | 7/27/2020 8:43:07 PM |
| Surr: Dibromofluoromethane | 104 | 70-130 | | %Rec | 1 | 7/27/2020 8:43:07 PM |
| Surr: Toluene-d8 | 98.2 | 70-130 | | %Rec | 1 | 7/27/2020 8:43:07 PM |
| **EPA METHOD 8015D MOD: GASOLINE RANGE** | | | | | | Analyst: **JMR** |
| Gasoline Range Organics (GRO) | ND | 5.0 | | mg/Kg | 1 | 7/27/2020 8:43:07 PM |
| Surr: BFB | 103 | 70-130 | | %Rec | 1 | 7/27/2020 8:43:07 PM |

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

**Qualifiers:**

| | |
|---|---|
| * | Value exceeds Maximum Contaminant Level. |
| D | Sample Diluted Due to Matrix |
| H | Holding times for preparation or analysis exceeded |
| ND | Not Detected at the Reporting Limit |
| PQL | Practical Quanitative Limit |
| S | % Recovery outside of range due to dilution or matrix |
| B | Analyte detected in the associated Method Blank |
| E | Value above quantitation range |
| J | Analyte detected below quantitation limits |
| P | Sample pH Not In Range |
| RL | Reporting Limit |

**Analytical Report**
Lab Order **2007C50**
Date Reported: **8/4/2020**

# Hall Environmental Analysis Laboratory, Inc.

**CLIENT:** Pima Environmental Services LLC
**Client Sample ID:** S9-0-6"
**Project:** New Mexico Fed Com 1
**Collection Date:** 7/23/2020 9:24:00 AM
**Lab ID:** 2007C50-028 **Matrix:** SOIL
**Received Date:** 7/24/2020 9:50:00 AM

| Analyses | Result | RL | Qual | Units | DF | Date Analyzed |
|---|---|---|---|---|---|---|
| **EPA METHOD 8015M/D: DIESEL RANGE ORGANICS** | | | | | | Analyst: **BRM** |
| Diesel Range Organics (DRO) | 340 | 9.2 | | mg/Kg | 1 | 7/31/2020 9:32:24 AM |
| Motor Oil Range Organics (MRO) | 410 | 46 | | mg/Kg | 1 | 7/31/2020 9:32:24 AM |
| Surr: DNOP | 92.6 | 30.4-154 | | %Rec | 1 | 7/31/2020 9:32:24 AM |
| **EPA METHOD 300.0: ANIONS** | | | | | | Analyst: **MRA** |
| Chloride | 12000 | 600 | | mg/Kg | 200 | 7/31/2020 10:55:18 AM |
| **EPA METHOD 8260B: VOLATILES SHORT LIST** | | | | | | Analyst: **JMR** |
| Benzene | ND | 0.025 | | mg/Kg | 1 | 7/27/2020 9:11:43 PM |
| Toluene | ND | 0.050 | | mg/Kg | 1 | 7/27/2020 9:11:43 PM |
| Ethylbenzene | ND | 0.050 | | mg/Kg | 1 | 7/27/2020 9:11:43 PM |
| Xylenes, Total | ND | 0.10 | | mg/Kg | 1 | 7/27/2020 9:11:43 PM |
| Surr: 1,2-Dichloroethane-d4 | 98.1 | 70-130 | | %Rec | 1 | 7/27/2020 9:11:43 PM |
| Surr: 4-Bromofluorobenzene | 96.1 | 70-130 | | %Rec | 1 | 7/27/2020 9:11:43 PM |
| Surr: Dibromofluoromethane | 103 | 70-130 | | %Rec | 1 | 7/27/2020 9:11:43 PM |
| Surr: Toluene-d8 | 95.5 | 70-130 | | %Rec | 1 | 7/27/2020 9:11:43 PM |
| **EPA METHOD 8015D MOD: GASOLINE RANGE** | | | | | | Analyst: **JMR** |
| Gasoline Range Organics (GRO) | ND | 5.0 | | mg/Kg | 1 | 7/27/2020 9:11:43 PM |
| Surr: BFB | 102 | 70-130 | | %Rec | 1 | 7/27/2020 9:11:43 PM |

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

**Qualifiers:**

| | |
|---|---|
| * | Value exceeds Maximum Contaminant Level. |
| D | Sample Diluted Due to Matrix |
| H | Holding times for preparation or analysis exceeded |
| ND | Not Detected at the Reporting Limit |
| PQL | Practical Quanitative Limit |
| S | % Recovery outside of range due to dilution or matrix |
| B | Analyte detected in the associated Method Blank |
| E | Value above quantitation range |
| J | Analyte detected below quantitation limits |
| P | Sample pH Not In Range |
| RL | Reporting Limit |

**Analytical Report**
Lab Order **2007C50**
Date Reported: **8/4/2020**

# Hall Environmental Analysis Laboratory, Inc.

**CLIENT:** Pima Environmental Services LLC
**Client Sample ID:** S9-1'
**Project:** New Mexico Fed Com 1
**Collection Date:** 7/23/2020 9:26:00 AM
**Lab ID:** 2007C50-029 **Matrix:** SOIL
**Received Date:** 7/24/2020 9:50:00 AM

| Analyses | Result | RL | Qual | Units | DF | Date Analyzed |
|---|---|---|---|---|---|---|
| **EPA METHOD 8015M/D: DIESEL RANGE ORGANICS** | | | | | | Analyst: **BRM** |
| Diesel Range Organics (DRO) | 670 | 50 | | mg/Kg | 5 | 7/31/2020 9:56:18 AM |
| Motor Oil Range Organics (MRO) | 710 | 250 | | mg/Kg | 5 | 7/31/2020 9:56:18 AM |
| Surr: DNOP | 92.4 | 30.4-154 | | %Rec | 5 | 7/31/2020 9:56:18 AM |
| **EPA METHOD 300.0: ANIONS** | | | | | | Analyst: **MRA** |
| Chloride | 6500 | 300 | | mg/Kg | 100 | 7/31/2020 11:07:42 AM |
| **EPA METHOD 8260B: VOLATILES SHORT LIST** | | | | | | Analyst: **JMR** |
| Benzene | ND | 0.025 | | mg/Kg | 1 | 7/27/2020 9:40:14 PM |
| Toluene | ND | 0.050 | | mg/Kg | 1 | 7/27/2020 9:40:14 PM |
| Ethylbenzene | ND | 0.050 | | mg/Kg | 1 | 7/27/2020 9:40:14 PM |
| Xylenes, Total | ND | 0.099 | | mg/Kg | 1 | 7/27/2020 9:40:14 PM |
| Surr: 1,2-Dichloroethane-d4 | 107 | 70-130 | | %Rec | 1 | 7/27/2020 9:40:14 PM |
| Surr: 4-Bromofluorobenzene | 91.5 | 70-130 | | %Rec | 1 | 7/27/2020 9:40:14 PM |
| Surr: Dibromofluoromethane | 108 | 70-130 | | %Rec | 1 | 7/27/2020 9:40:14 PM |
| Surr: Toluene-d8 | 102 | 70-130 | | %Rec | 1 | 7/27/2020 9:40:14 PM |
| **EPA METHOD 8015D MOD: GASOLINE RANGE** | | | | | | Analyst: **JMR** |
| Gasoline Range Organics (GRO) | ND | 5.0 | | mg/Kg | 1 | 7/27/2020 9:40:14 PM |
| Surr: BFB | 102 | 70-130 | | %Rec | 1 | 7/27/2020 9:40:14 PM |

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

**Qualifiers:**

| | |
|---|---|
| * | Value exceeds Maximum Contaminant Level. |
| D | Sample Diluted Due to Matrix |
| H | Holding times for preparation or analysis exceeded |
| ND | Not Detected at the Reporting Limit |
| PQL | Practical Quanitative Limit |
| S | % Recovery outside of range due to dilution or matrix |
| B | Analyte detected in the associated Method Blank |
| E | Value above quantitation range |
| J | Analyte detected below quantitation limits |
| P | Sample pH Not In Range |
| RL | Reporting Limit |

**Analytical Report**
Lab Order **2007C50**
Date Reported: **8/4/2020**

# Hall Environmental Analysis Laboratory, Inc.

**CLIENT:** Pima Environmental Services LLC
**Client Sample ID:** S9-2'
**Project:** New Mexico Fed Com 1
**Collection Date:** 7/23/2020 9:28:00 AM
**Lab ID:** 2007C50-030 **Matrix:** SOIL
**Received Date:** 7/24/2020 9:50:00 AM

| Analyses | Result | RL | Qual | Units | DF | Date Analyzed |
|---|---|---|---|---|---|---|
| **EPA METHOD 8015M/D: DIESEL RANGE ORGANICS** | | | | | | Analyst: **BRM** |
| Diesel Range Organics (DRO) | 74 | 10 | | mg/Kg | 1 | 7/31/2020 10:20:11 AM |
| Motor Oil Range Organics (MRO) | 88 | 50 | | mg/Kg | 1 | 7/31/2020 10:20:11 AM |
| Surr: DNOP | 92.9 | 30.4-154 | | %Rec | 1 | 7/31/2020 10:20:11 AM |
| **EPA METHOD 300.0: ANIONS** | | | | | | Analyst: **MRA** |
| Chloride | 3900 | 150 | | mg/Kg | 50 | 7/31/2020 11:20:06 AM |
| **EPA METHOD 8260B: VOLATILES SHORT LIST** | | | | | | Analyst: **JMR** |
| Benzene | ND | 0.025 | | mg/Kg | 1 | 7/27/2020 10:08:46 PM |
| Toluene | ND | 0.050 | | mg/Kg | 1 | 7/27/2020 10:08:46 PM |
| Ethylbenzene | ND | 0.050 | | mg/Kg | 1 | 7/27/2020 10:08:46 PM |
| Xylenes, Total | ND | 0.099 | | mg/Kg | 1 | 7/27/2020 10:08:46 PM |
| Surr: 1,2-Dichloroethane-d4 | 96.8 | 70-130 | | %Rec | 1 | 7/27/2020 10:08:46 PM |
| Surr: 4-Bromofluorobenzene | 93.7 | 70-130 | | %Rec | 1 | 7/27/2020 10:08:46 PM |
| Surr: Dibromofluoromethane | 101 | 70-130 | | %Rec | 1 | 7/27/2020 10:08:46 PM |
| Surr: Toluene-d8 | 101 | 70-130 | | %Rec | 1 | 7/27/2020 10:08:46 PM |
| **EPA METHOD 8015D MOD: GASOLINE RANGE** | | | | | | Analyst: **JMR** |
| Gasoline Range Organics (GRO) | ND | 5.0 | | mg/Kg | 1 | 7/27/2020 10:08:46 PM |
| Surr: BFB | 103 | 70-130 | | %Rec | 1 | 7/27/2020 10:08:46 PM |

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

**Qualifiers:**

| | |
|---|---|
| * | Value exceeds Maximum Contaminant Level. |
| D | Sample Diluted Due to Matrix |
| H | Holding times for preparation or analysis exceeded |
| ND | Not Detected at the Reporting Limit |
| PQL | Practical Quanitative Limit |
| S | % Recovery outside of range due to dilution or matrix |
| B | Analyte detected in the associated Method Blank |
| E | Value above quantitation range |
| J | Analyte detected below quantitation limits |
| P | Sample pH Not In Range |
| RL | Reporting Limit |

**Analytical Report**
Lab Order **2007C50**
Date Reported: **8/4/2020**

# Hall Environmental Analysis Laboratory, Inc.

**CLIENT:** Pima Environmental Services LLC
**Client Sample ID:** S9-3'
**Project:** New Mexico Fed Com 1
**Collection Date:** 7/23/2020 9:30:00 AM
**Lab ID:** 2007C50-031 **Matrix:** SOIL
**Received Date:** 7/24/2020 9:50:00 AM

| Analyses | Result | RL | Qual | Units | DF | Date Analyzed |
|---|---|---|---|---|---|---|
| **EPA METHOD 8015M/D: DIESEL RANGE ORGANICS** | | | | | | Analyst: **BRM** |
| Diesel Range Organics (DRO) | 21 | 9.3 | | mg/Kg | 1 | 7/30/2020 11:56:11 PM |
| Motor Oil Range Organics (MRO) | ND | 46 | | mg/Kg | 1 | 7/30/2020 11:56:11 PM |
| Surr: DNOP | 95.7 | 30.4-154 | | %Rec | 1 | 7/30/2020 11:56:11 PM |
| **EPA METHOD 300.0: ANIONS** | | | | | | Analyst: **MRA** |
| Chloride | 5000 | 150 | | mg/Kg | 50 | 7/31/2020 11:32:31 AM |
| **EPA METHOD 8260B: VOLATILES SHORT LIST** | | | | | | Analyst: **JMR** |
| Benzene | ND | 0.025 | | mg/Kg | 1 | 7/27/2020 10:37:15 PM |
| Toluene | ND | 0.049 | | mg/Kg | 1 | 7/27/2020 10:37:15 PM |
| Ethylbenzene | ND | 0.049 | | mg/Kg | 1 | 7/27/2020 10:37:15 PM |
| Xylenes, Total | ND | 0.099 | | mg/Kg | 1 | 7/27/2020 10:37:15 PM |
| Surr: 1,2-Dichloroethane-d4 | 96.7 | 70-130 | | %Rec | 1 | 7/27/2020 10:37:15 PM |
| Surr: 4-Bromofluorobenzene | 85.5 | 70-130 | | %Rec | 1 | 7/27/2020 10:37:15 PM |
| Surr: Dibromofluoromethane | 101 | 70-130 | | %Rec | 1 | 7/27/2020 10:37:15 PM |
| Surr: Toluene-d8 | 94.9 | 70-130 | | %Rec | 1 | 7/27/2020 10:37:15 PM |
| **EPA METHOD 8015D MOD: GASOLINE RANGE** | | | | | | Analyst: **JMR** |
| Gasoline Range Organics (GRO) | ND | 4.9 | | mg/Kg | 1 | 7/27/2020 10:37:15 PM |
| Surr: BFB | 92.3 | 70-130 | | %Rec | 1 | 7/27/2020 10:37:15 PM |

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

**Qualifiers:**

| | |
|---|---|
| * | Value exceeds Maximum Contaminant Level. |
| D | Sample Diluted Due to Matrix |
| H | Holding times for preparation or analysis exceeded |
| ND | Not Detected at the Reporting Limit |
| PQL | Practical Quanitative Limit |
| S | % Recovery outside of range due to dilution or matrix |
| B | Analyte detected in the associated Method Blank |
| E | Value above quantitation range |
| J | Analyte detected below quantitation limits |
| P | Sample pH Not In Range |
| RL | Reporting Limit |

# QC SUMMARY REPORT

## Hall Environmental Analysis Laboratory, Inc.

WO#: **2007C50**

***04-Aug-20***

**Client:** Pima Environmental Services LLC

**Project:** New Mexico Fed Com 1

Sample ID: **MB-54049** SampType: **mblk** TestCode: **EPA Method 300.0: Anions**
Client ID: **PBS** Batch ID: **54049** RunNo: **70709**
Prep Date: **7/29/2020** Analysis Date: **7/29/2020** SeqNo: **2460606** Units: **mg/Kg**

| Analyte | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | %RPD | RPDLimit | Qual |
|---|---|---|---|---|---|---|---|---|---|---|
| Chloride | ND | 1.5 | | | | | | | | |

Sample ID: **LCS-54049** SampType: **lcs** TestCode: **EPA Method 300.0: Anions**
Client ID: **LCSS** Batch ID: **54049** RunNo: **70709**
Prep Date: **7/29/2020** Analysis Date: **7/29/2020** SeqNo: **2460607** Units: **mg/Kg**

| Analyte | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | %RPD | RPDLimit | Qual |
|---|---|---|---|---|---|---|---|---|---|---|
| Chloride | 14 | 1.5 | 15.00 | 0 | 92.9 | 90 | 110 | | | |

Sample ID: **MB-54057** SampType: **mblk** TestCode: **EPA Method 300.0: Anions**
Client ID: **PBS** Batch ID: **54057** RunNo: **70743**
Prep Date: **7/30/2020** Analysis Date: **7/30/2020** SeqNo: **2461824** Units: **mg/Kg**

| Analyte | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | %RPD | RPDLimit | Qual |
|---|---|---|---|---|---|---|---|---|---|---|
| Chloride | ND | 1.5 | | | | | | | | |

Sample ID: **LCS-54057** SampType: **lcs** TestCode: **EPA Method 300.0: Anions**
Client ID: **LCSS** Batch ID: **54057** RunNo: **70743**
Prep Date: **7/30/2020** Analysis Date: **7/30/2020** SeqNo: **2461825** Units: **mg/Kg**

| Analyte | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | %RPD | RPDLimit | Qual |
|---|---|---|---|---|---|---|---|---|---|---|
| Chloride | 14 | 1.5 | 15.00 | 0 | 93.6 | 90 | 110 | | | |

Sample ID: **MB-54063** SampType: **mblk** TestCode: **EPA Method 300.0: Anions**
Client ID: **PBS** Batch ID: **54063** RunNo: **70743**
Prep Date: **7/30/2020** Analysis Date: **7/30/2020** SeqNo: **2461854** Units: **mg/Kg**

| Analyte | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | %RPD | RPDLimit | Qual |
|---|---|---|---|---|---|---|---|---|---|---|
| Chloride | ND | 1.5 | | | | | | | | |

Sample ID: **LCS-54063** SampType: **lcs** TestCode: **EPA Method 300.0: Anions**
Client ID: **LCSS** Batch ID: **54063** RunNo: **70743**
Prep Date: **7/30/2020** Analysis Date: **7/30/2020** SeqNo: **2461855** Units: **mg/Kg**

| Analyte | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | %RPD | RPDLimit | Qual |
|---|---|---|---|---|---|---|---|---|---|---|
| Chloride | 14 | 1.5 | 15.00 | 0 | 93.2 | 90 | 110 | | | |

**Qualifiers:**

| | |
|---|---|
| * | Value exceeds Maximum Contaminant Level. |
| D | Sample Diluted Due to Matrix |
| H | Holding times for preparation or analysis exceeded |
| ND | Not Detected at the Reporting Limit |
| PQL | Practical Quanitative Limit |
| S | % Recovery outside of range due to dilution or matrix |
| B | Analyte detected in the associated Method Blank |
| E | Value above quantitation range |
| J | Analyte detected below quantitation limits |
| P | Sample pH Not In Range |
| RL | Reporting Limit |

# QC SUMMARY REPORT
## Hall Environmental Analysis Laboratory, Inc.

WO#: **2007C50**
***04-Aug-20***

**Client:** Pima Environmental Services LLC
**Project:** New Mexico Fed Com 1

| Sample ID: **MB-54000** | SampType: **MBLK** | TestCode: **EPA Method 8015M/D: Diesel Range Organics** |
|---|---|---|
| Client ID: **PBS** | Batch ID: **54000** | RunNo: **70696** |
| Prep Date: **7/28/2020** | Analysis Date: **7/30/2020** | SeqNo: **2460577** Units: **mg/Kg** |

| Analyte | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | %RPD | RPDLimit | Qual |
|---|---|---|---|---|---|---|---|---|---|---|
| Diesel Range Organics (DRO) | ND | 10 | | | | | | | | |
| Motor Oil Range Organics (MRO) | ND | 50 | | | | | | | | |
| Surr: DNOP | 8.5 | | 10.00 | | 84.8 | 30.4 | 154 | | | |

| Sample ID: **LCS-53998** | SampType: **LCS** | TestCode: **EPA Method 8015M/D: Diesel Range Organics** |
|---|---|---|
| Client ID: **LCSS** | Batch ID: **53998** | RunNo: **70650** |
| Prep Date: **7/28/2020** | Analysis Date: **7/29/2020** | SeqNo: **2461015** Units: **mg/Kg** |

| Analyte | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | %RPD | RPDLimit | Qual |
|---|---|---|---|---|---|---|---|---|---|---|
| Diesel Range Organics (DRO) | 50 | 10 | 50.00 | 0 | 101 | 70 | 130 | | | |
| Surr: DNOP | 4.1 | | 5.000 | | 81.5 | 30.4 | 154 | | | |

| Sample ID: **MB-53998** | SampType: **MBLK** | TestCode: **EPA Method 8015M/D: Diesel Range Organics** |
|---|---|---|
| Client ID: **PBS** | Batch ID: **53998** | RunNo: **70650** |
| Prep Date: **7/28/2020** | Analysis Date: **7/29/2020** | SeqNo: **2461016** Units: **mg/Kg** |

| Analyte | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | %RPD | RPDLimit | Qual |
|---|---|---|---|---|---|---|---|---|---|---|
| Diesel Range Organics (DRO) | ND | 10 | | | | | | | | |
| Motor Oil Range Organics (MRO) | ND | 50 | | | | | | | | |
| Surr: DNOP | 8.9 | | 10.00 | | 89.5 | 30.4 | 154 | | | |

| Sample ID: **LCS-54000** | SampType: **LCS** | TestCode: **EPA Method 8015M/D: Diesel Range Organics** |
|---|---|---|
| Client ID: **LCSS** | Batch ID: **54000** | RunNo: **70722** |
| Prep Date: **7/28/2020** | Analysis Date: **7/30/2020** | SeqNo: **2462286** Units: **mg/Kg** |

| Analyte | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | %RPD | RPDLimit | Qual |
|---|---|---|---|---|---|---|---|---|---|---|
| Diesel Range Organics (DRO) | 52 | 10 | 50.00 | 0 | 104 | 70 | 130 | | | |
| Surr: DNOP | 5.0 | | 5.000 | | 100 | 30.4 | 154 | | | |

| Sample ID: **2007C50-002AMS** | SampType: **MS** | TestCode: **EPA Method 8015M/D: Diesel Range Organics** |
|---|---|---|
| Client ID: **S1-1'** | Batch ID: **54000** | RunNo: **70722** |
| Prep Date: **7/28/2020** | Analysis Date: **7/30/2020** | SeqNo: **2462287** Units: **mg/Kg** |

| Analyte | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | %RPD | RPDLimit | Qual |
|---|---|---|---|---|---|---|---|---|---|---|
| Diesel Range Organics (DRO) | 51 | 9.5 | 47.39 | 0 | 107 | 47.4 | 136 | | | |
| Surr: DNOP | 5.0 | | 4.739 | | 105 | 30.4 | 154 | | | |

**Qualifiers:**

| | |
|---|---|
| * | Value exceeds Maximum Contaminant Level. |
| D | Sample Diluted Due to Matrix |
| H | Holding times for preparation or analysis exceeded |
| ND | Not Detected at the Reporting Limit |
| PQL | Practical Quanitative Limit |
| S | % Recovery outside of range due to dilution or matrix |
| B | Analyte detected in the associated Method Blank |
| E | Value above quantitation range |
| J | Analyte detected below quantitation limits |
| P | Sample pH Not In Range |
| RL | Reporting Limit |

# QC SUMMARY REPORT

## Hall Environmental Analysis Laboratory, Inc.

WO#: **2007C50**

***04-Aug-20***

**Client:** Pima Environmental Services LLC

**Project:** New Mexico Fed Com 1

Sample ID: **2007C50-002AMSD** SampType: **MSD** TestCode: **EPA Method 8015M/D: Diesel Range Organics**
Client ID: **S1-1'** Batch ID: **54000** RunNo: **70722**
Prep Date: **7/28/2020** Analysis Date: **7/30/2020** SeqNo: **2462288** Units: **mg/Kg**

| Analyte | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | %RPD | RPDLimit | Qual |
|---|---|---|---|---|---|---|---|---|---|---|
| Diesel Range Organics (DRO) | 49 | 9.6 | 48.12 | 0 | 102 | 47.4 | 136 | 11.2 | 43.4 | |
| Surr: DNOP | 4.8 | | 4.812 | | 99.7 | 30.4 | 154 | 0 | 0 | |

Sample ID: **MB-54001** SampType: **MBLK** TestCode: **EPA Method 8015M/D: Diesel Range Organics**
Client ID: **PBS** Batch ID: **54001** RunNo: **70722**
Prep Date: **7/28/2020** Analysis Date: **7/30/2020** SeqNo: **2462290** Units: **mg/Kg**

| Analyte | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | %RPD | RPDLimit | Qual |
|---|---|---|---|---|---|---|---|---|---|---|
| Diesel Range Organics (DRO) | ND | 10 | | | | | | | | |
| Motor Oil Range Organics (MRO) | ND | 50 | | | | | | | | |
| Surr: DNOP | 9.7 | | 10.00 | | 97.1 | 30.4 | 154 | | | |

Sample ID: **LCS-54001** SampType: **LCS** TestCode: **EPA Method 8015M/D: Diesel Range Organics**
Client ID: **LCSS** Batch ID: **54001** RunNo: **70722**
Prep Date: **7/28/2020** Analysis Date: **7/30/2020** SeqNo: **2462291** Units: **mg/Kg**

| Analyte | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | %RPD | RPDLimit | Qual |
|---|---|---|---|---|---|---|---|---|---|---|
| Diesel Range Organics (DRO) | 49 | 10 | 50.00 | 0 | 98.0 | 70 | 130 | | | |
| Surr: DNOP | 4.7 | | 5.000 | | 93.7 | 30.4 | 154 | | | |

Sample ID: **2007C50-022AMS** SampType: **MS** TestCode: **EPA Method 8015M/D: Diesel Range Organics**
Client ID: **S6-1'** Batch ID: **54001** RunNo: **70722**
Prep Date: **7/28/2020** Analysis Date: **7/30/2020** SeqNo: **2462293** Units: **mg/Kg**

| Analyte | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | %RPD | RPDLimit | Qual |
|---|---|---|---|---|---|---|---|---|---|---|
| Diesel Range Organics (DRO) | 46 | 9.8 | 49.02 | 5.943 | 82.7 | 47.4 | 136 | | | |
| Surr: DNOP | 4.8 | | 4.902 | | 98.4 | 30.4 | 154 | | | |

Sample ID: **2007C50-022AMSD** SampType: **MSD** TestCode: **EPA Method 8015M/D: Diesel Range Organics**
Client ID: **S6-1'** Batch ID: **54001** RunNo: **70722**
Prep Date: **7/28/2020** Analysis Date: **7/30/2020** SeqNo: **2462294** Units: **mg/Kg**

| Analyte | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | %RPD | RPDLimit | Qual |
|---|---|---|---|---|---|---|---|---|---|---|
| Diesel Range Organics (DRO) | 44 | 9.3 | 46.38 | 5.943 | 81.4 | 47.4 | 136 | 6.20 | 43.4 | |
| Surr: DNOP | 4.5 | | 4.638 | | 98.1 | 30.4 | 154 | 0 | 0 | |

**Qualifiers:**

| | | | |
|---|---|---|---|
| * | Value exceeds Maximum Contaminant Level. | B | Analyte detected in the associated Method Blank |
| D | Sample Diluted Due to Matrix | E | Value above quantitation range |
| H | Holding times for preparation or analysis exceeded | J | Analyte detected below quantitation limits |
| ND | Not Detected at the Reporting Limit | P | Sample pH Not In Range |
| PQL | Practical Quanitative Limit | RL | Reporting Limit |
| S | % Recovery outside of range due to dilution or matrix | | |

# QC SUMMARY REPORT

## Hall Environmental Analysis Laboratory, Inc.

WO#: **2007C50**

***04-Aug-20***

**Client:** Pima Environmental Services LLC

**Project:** New Mexico Fed Com 1

| Sample ID: **MB-54086** | SampType: **MBLK** | TestCode: **EPA Method 8015M/D: Diesel Range Organics** |
|---|---|---|
| Client ID: **PBS** | Batch ID: **54086** | RunNo: **70751** |
| Prep Date: **7/31/2020** | Analysis Date: **7/31/2020** | SeqNo: **2462385** Units: **%Rec** |

| Analyte | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | %RPD | RPDLimit | Qual |
|---|---|---|---|---|---|---|---|---|---|---|
| Surr: DNOP | 10 | | 10.00 | | 103 | 30.4 | 154 | | | |

| Sample ID: **LCS-54086** | SampType: **LCS** | TestCode: **EPA Method 8015M/D: Diesel Range Organics** |
|---|---|---|
| Client ID: **LCSS** | Batch ID: **54086** | RunNo: **70751** |
| Prep Date: **7/31/2020** | Analysis Date: **7/31/2020** | SeqNo: **2462386** Units: **%Rec** |

| Analyte | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | %RPD | RPDLimit | Qual |
|---|---|---|---|---|---|---|---|---|---|---|
| Surr: DNOP | 4.7 | | 5.000 | | 93.4 | 30.4 | 154 | | | |

| Sample ID: **MB-54077** | SampType: **MBLK** | TestCode: **EPA Method 8015M/D: Diesel Range Organics** |
|---|---|---|
| Client ID: **PBS** | Batch ID: **54077** | RunNo: **70751** |
| Prep Date: **7/30/2020** | Analysis Date: **7/31/2020** | SeqNo: **2464683** Units: **%Rec** |

| Analyte | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | %RPD | RPDLimit | Qual |
|---|---|---|---|---|---|---|---|---|---|---|
| Surr: DNOP | 10 | | 10.00 | | 102 | 30.4 | 154 | | | |

| Sample ID: **LCS-54077** | SampType: **LCS** | TestCode: **EPA Method 8015M/D: Diesel Range Organics** |
|---|---|---|
| Client ID: **LCSS** | Batch ID: **54077** | RunNo: **70751** |
| Prep Date: **7/30/2020** | Analysis Date: **7/31/2020** | SeqNo: **2464684** Units: **%Rec** |

| Analyte | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | %RPD | RPDLimit | Qual |
|---|---|---|---|---|---|---|---|---|---|---|
| Surr: DNOP | 4.8 | | 5.000 | | 96.5 | 30.4 | 154 | | | |

| Sample ID: **MB-54078** | SampType: **MBLK** | TestCode: **EPA Method 8015M/D: Diesel Range Organics** |
|---|---|---|
| Client ID: **PBS** | Batch ID: **54078** | RunNo: **70751** |
| Prep Date: **7/30/2020** | Analysis Date: **8/1/2020** | SeqNo: **2464775** Units: **%Rec** |

| Analyte | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | %RPD | RPDLimit | Qual |
|---|---|---|---|---|---|---|---|---|---|---|
| Surr: DNOP | 9.3 | | 10.00 | | 92.8 | 30.4 | 154 | | | |

| Sample ID: **LCS-54078** | SampType: **LCS** | TestCode: **EPA Method 8015M/D: Diesel Range Organics** |
|---|---|---|
| Client ID: **LCSS** | Batch ID: **54078** | RunNo: **70751** |
| Prep Date: **7/30/2020** | Analysis Date: **8/1/2020** | SeqNo: **2464776** Units: **%Rec** |

| Analyte | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | %RPD | RPDLimit | Qual |
|---|---|---|---|---|---|---|---|---|---|---|
| Surr: DNOP | 4.8 | | 5.000 | | 95.0 | 30.4 | 154 | | | |

**Qualifiers:**

| | |
|---|---|
| * | Value exceeds Maximum Contaminant Level. |
| D | Sample Diluted Due to Matrix |
| H | Holding times for preparation or analysis exceeded |
| ND | Not Detected at the Reporting Limit |
| PQL | Practical Quanitative Limit |
| S | % Recovery outside of range due to dilution or matrix |
| B | Analyte detected in the associated Method Blank |
| E | Value above quantitation range |
| J | Analyte detected below quantitation limits |
| P | Sample pH Not In Range |
| RL | Reporting Limit |

# QC SUMMARY REPORT
## Hall Environmental Analysis Laboratory, Inc.

WO#: **2007C50**
***04-Aug-20***

**Client:** Pima Environmental Services LLC
**Project:** New Mexico Fed Com 1

Sample ID: **mb-53951** SampType: **MBLK** TestCode: **EPA Method 8015D: Gasoline Range**
Client ID: **PBS** Batch ID: **53951** RunNo: **70632**
Prep Date: **7/25/2020** Analysis Date: **7/27/2020** SeqNo: **2457768** Units: **mg/Kg**

| Analyte | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | %RPD | RPDLimit | Qual |
|---|---|---|---|---|---|---|---|---|---|---|
| Gasoline Range Organics (GRO) | ND | 5.0 | | | | | | | | |
| Surr: BFB | 880 | | 1000 | | 88.0 | 66.6 | 105 | | | |

Sample ID: **lcs-53951** SampType: **LCS** TestCode: **EPA Method 8015D: Gasoline Range**
Client ID: **LCSS** Batch ID: **53951** RunNo: **70632**
Prep Date: **7/25/2020** Analysis Date: **7/27/2020** SeqNo: **2457769** Units: **mg/Kg**

| Analyte | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | %RPD | RPDLimit | Qual |
|---|---|---|---|---|---|---|---|---|---|---|
| Gasoline Range Organics (GRO) | 19 | 5.0 | 25.00 | 0 | 75.4 | 72.5 | 106 | | | |
| Surr: BFB | 970 | | 1000 | | 96.6 | 66.6 | 105 | | | |

Sample ID: **2007c50-003ams** SampType: **MS** TestCode: **EPA Method 8015D: Gasoline Range**
Client ID: **S1-2'** Batch ID: **53951** RunNo: **70632**
Prep Date: **7/25/2020** Analysis Date: **7/27/2020** SeqNo: **2457772** Units: **mg/Kg**

| Analyte | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | %RPD | RPDLimit | Qual |
|---|---|---|---|---|---|---|---|---|---|---|
| Gasoline Range Organics (GRO) | 19 | 5.0 | 24.93 | 0 | 74.5 | 61.3 | 114 | | | |
| Surr: BFB | 980 | | 997.0 | | 97.8 | 66.6 | 105 | | | |

Sample ID: **2007c50-003amsd** SampType: **MSD** TestCode: **EPA Method 8015D: Gasoline Range**
Client ID: **S1-2'** Batch ID: **53951** RunNo: **70632**
Prep Date: **7/25/2020** Analysis Date: **7/27/2020** SeqNo: **2457773** Units: **mg/Kg**

| Analyte | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | %RPD | RPDLimit | Qual |
|---|---|---|---|---|---|---|---|---|---|---|
| Gasoline Range Organics (GRO) | 17 | 4.9 | 24.70 | 0 | 69.1 | 61.3 | 114 | 8.47 | 20 | |
| Surr: BFB | 920 | | 988.1 | | 93.4 | 66.6 | 105 | 0 | 0 | |

**Qualifiers:**

| | |
|---|---|
| * | Value exceeds Maximum Contaminant Level. |
| D | Sample Diluted Due to Matrix |
| H | Holding times for preparation or analysis exceeded |
| ND | Not Detected at the Reporting Limit |
| PQL | Practical Quanitative Limit |
| S | % Recovery outside of range due to dilution or matrix |
| B | Analyte detected in the associated Method Blank |
| E | Value above quantitation range |
| J | Analyte detected below quantitation limits |
| P | Sample pH Not In Range |
| RL | Reporting Limit |

# QC SUMMARY REPORT

## Hall Environmental Analysis Laboratory, Inc.

WO#: **2007C50**

***04-Aug-20***

**Client:** Pima Environmental Services LLC

**Project:** New Mexico Fed Com 1

Sample ID: **mb-53951** SampType: **MBLK** TestCode: **EPA Method 8021B: Volatiles**

Client ID: **PBS** Batch ID: **53951** RunNo: **70632**

Prep Date: **7/25/2020** Analysis Date: **7/27/2020** SeqNo: **2457807** Units: **mg/Kg**

| Analyte | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | %RPD | RPDLimit | Qual |
|---|---|---|---|---|---|---|---|---|---|---|
| Benzene | ND | 0.025 | | | | | | | | |
| Toluene | ND | 0.050 | | | | | | | | |
| Ethylbenzene | ND | 0.050 | | | | | | | | |
| Xylenes, Total | ND | 0.10 | | | | | | | | |
| Surr: 4-Bromofluorobenzene | 1.0 | | 1.000 | | 103 | 80 | 120 | | | |

Sample ID: **LCS-53951** SampType: **LCS** TestCode: **EPA Method 8021B: Volatiles**

Client ID: **LCSS** Batch ID: **53951** RunNo: **70632**

Prep Date: **7/25/2020** Analysis Date: **7/27/2020** SeqNo: **2457808** Units: **mg/Kg**

| Analyte | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | %RPD | RPDLimit | Qual |
|---|---|---|---|---|---|---|---|---|---|---|
| Benzene | 0.89 | 0.025 | 1.000 | 0 | 88.8 | 80 | 120 | | | |
| Toluene | 0.90 | 0.050 | 1.000 | 0 | 90.2 | 80 | 120 | | | |
| Ethylbenzene | 0.92 | 0.050 | 1.000 | 0 | 91.7 | 80 | 120 | | | |
| Xylenes, Total | 2.8 | 0.10 | 3.000 | 0 | 93.4 | 80 | 120 | | | |
| Surr: 4-Bromofluorobenzene | 1.0 | | 1.000 | | 104 | 80 | 120 | | | |

Sample ID: **2007c50-002ams** SampType: **MS** TestCode: **EPA Method 8021B: Volatiles**

Client ID: **S1-1'** Batch ID: **53951** RunNo: **70632**

Prep Date: **7/25/2020** Analysis Date: **7/27/2020** SeqNo: **2457810** Units: **mg/Kg**

| Analyte | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | %RPD | RPDLimit | Qual |
|---|---|---|---|---|---|---|---|---|---|---|
| Benzene | 0.82 | 0.025 | 0.9930 | 0.01422 | 81.6 | 78.5 | 119 | | | |
| Toluene | 0.84 | 0.050 | 0.9930 | 0.01224 | 83.6 | 75.7 | 123 | | | |
| Ethylbenzene | 0.85 | 0.050 | 0.9930 | 0.01214 | 84.2 | 74.3 | 126 | | | |
| Xylenes, Total | 2.6 | 0.099 | 2.979 | 0.03139 | 85.6 | 72.9 | 130 | | | |
| Surr: 4-Bromofluorobenzene | 1.0 | | 0.9930 | | 101 | 80 | 120 | | | |

Sample ID: **2007c50-002amsd** SampType: **MSD** TestCode: **EPA Method 8021B: Volatiles**

Client ID: **S1-1'** Batch ID: **53951** RunNo: **70632**

Prep Date: **7/25/2020** Analysis Date: **7/27/2020** SeqNo: **2457811** Units: **mg/Kg**

| Analyte | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | %RPD | RPDLimit | Qual |
|---|---|---|---|---|---|---|---|---|---|---|
| Benzene | 0.83 | 0.025 | 0.9843 | 0.01422 | 82.5 | 78.5 | 119 | 0.164 | 20 | |
| Toluene | 0.88 | 0.049 | 0.9843 | 0.01224 | 88.3 | 75.7 | 123 | 4.54 | 20 | |
| Ethylbenzene | 0.89 | 0.049 | 0.9843 | 0.01214 | 89.4 | 74.3 | 126 | 4.93 | 20 | |
| Xylenes, Total | 2.7 | 0.098 | 2.953 | 0.03139 | 91.2 | 72.9 | 130 | 5.38 | 20 | |
| Surr: 4-Bromofluorobenzene | 1.0 | | 0.9843 | | 106 | 80 | 120 | 0 | 0 | |

**Qualifiers:**

| | |
|---|---|
| * | Value exceeds Maximum Contaminant Level. |
| D | Sample Diluted Due to Matrix |
| H | Holding times for preparation or analysis exceeded |
| ND | Not Detected at the Reporting Limit |
| PQL | Practical Quanitative Limit |
| S | % Recovery outside of range due to dilution or matrix |
| B | Analyte detected in the associated Method Blank |
| E | Value above quantitation range |
| J | Analyte detected below quantitation limits |
| P | Sample pH Not In Range |
| RL | Reporting Limit |

# QC SUMMARY REPORT

## Hall Environmental Analysis Laboratory, Inc.

WO#: **2007C50**

***04-Aug-20***

**Client:** Pima Environmental Services LLC

**Project:** New Mexico Fed Com 1

Sample ID: **mb-53950** SampType: **MBLK** TestCode: **EPA Method 8260B: Volatiles Short List**

Client ID: **PBS** Batch ID: **53950** RunNo: **70620**

Prep Date: **7/25/2020** Analysis Date: **7/26/2020** SeqNo: **2457246** Units: **mg/Kg**

| Analyte | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | %RPD | RPDLimit | Qual |
|---|---|---|---|---|---|---|---|---|---|---|
| Benzene | ND | 0.025 | | | | | | | | |
| Toluene | ND | 0.050 | | | | | | | | |
| Ethylbenzene | ND | 0.050 | | | | | | | | |
| Xylenes, Total | ND | 0.10 | | | | | | | | |
| Surr: 1,2-Dichloroethane-d4 | 0.48 | | 0.5000 | | 96.3 | 70 | 130 | | | |
| Surr: 4-Bromofluorobenzene | 0.50 | | 0.5000 | | 101 | 70 | 130 | | | |
| Surr: Dibromofluoromethane | 0.50 | | 0.5000 | | 101 | 70 | 130 | | | |
| Surr: Toluene-d8 | 0.51 | | 0.5000 | | 103 | 70 | 130 | | | |

Sample ID: **lcs-53950** SampType: **LCS4** TestCode: **EPA Method 8260B: Volatiles Short List**

Client ID: **BatchQC** Batch ID: **53950** RunNo: **70620**

Prep Date: **7/25/2020** Analysis Date: **7/26/2020** SeqNo: **2457247** Units: **mg/Kg**

| Analyte | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | %RPD | RPDLimit | Qual |
|---|---|---|---|---|---|---|---|---|---|---|
| Benzene | 1.0 | 0.025 | 1.000 | 0 | 99.8 | 80 | 120 | | | |
| Toluene | 1.0 | 0.050 | 1.000 | 0 | 101 | 80 | 120 | | | |
| Ethylbenzene | 1.0 | 0.050 | 1.000 | 0 | 101 | 80 | 120 | | | |
| Xylenes, Total | 3.0 | 0.10 | 3.000 | 0 | 101 | 80 | 120 | | | |
| Surr: 1,2-Dichloroethane-d4 | 0.48 | | 0.5000 | | 96.5 | 70 | 130 | | | |
| Surr: 4-Bromofluorobenzene | 0.47 | | 0.5000 | | 94.5 | 70 | 130 | | | |
| Surr: Dibromofluoromethane | 0.50 | | 0.5000 | | 101 | 70 | 130 | | | |
| Surr: Toluene-d8 | 0.53 | | 0.5000 | | 106 | 70 | 130 | | | |

Sample ID: **mb-53952** SampType: **MBLK** TestCode: **EPA Method 8260B: Volatiles Short List**

Client ID: **PBS** Batch ID: **53952** RunNo: **70643**

Prep Date: **7/25/2020** Analysis Date: **7/27/2020** SeqNo: **2458337** Units: **mg/Kg**

| Analyte | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | %RPD | RPDLimit | Qual |
|---|---|---|---|---|---|---|---|---|---|---|
| Benzene | ND | 0.025 | | | | | | | | |
| Toluene | ND | 0.050 | | | | | | | | |
| Ethylbenzene | ND | 0.050 | | | | | | | | |
| Xylenes, Total | ND | 0.10 | | | | | | | | |
| Surr: 1,2-Dichloroethane-d4 | 0.50 | | 0.5000 | | 99.4 | 70 | 130 | | | |
| Surr: 4-Bromofluorobenzene | 0.46 | | 0.5000 | | 92.6 | 70 | 130 | | | |
| Surr: Dibromofluoromethane | 0.51 | | 0.5000 | | 103 | 70 | 130 | | | |
| Surr: Toluene-d8 | 0.50 | | 0.5000 | | 99.9 | 70 | 130 | | | |

**Qualifiers:**

| | |
|---|---|
| * | Value exceeds Maximum Contaminant Level. |
| D | Sample Diluted Due to Matrix |
| H | Holding times for preparation or analysis exceeded |
| ND | Not Detected at the Reporting Limit |
| PQL | Practical Quanitative Limit |
| S | % Recovery outside of range due to dilution or matrix |
| B | Analyte detected in the associated Method Blank |
| E | Value above quantitation range |
| J | Analyte detected below quantitation limits |
| P | Sample pH Not In Range |
| RL | Reporting Limit |

# QC SUMMARY REPORT
## Hall Environmental Analysis Laboratory, Inc.

WO#: **2007C50**
***04-Aug-20***

**Client:** Pima Environmental Services LLC
**Project:** New Mexico Fed Com 1

Sample ID: **lcs-53952** SampType: **LCS4** TestCode: **EPA Method 8260B: Volatiles Short List**
Client ID: **BatchQC** Batch ID: **53952** RunNo: **70643**
Prep Date: **7/25/2020** Analysis Date: **7/27/2020** SeqNo: **2458338** Units: **mg/Kg**

| Analyte | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | %RPD | RPDLimit | Qual |
|---|---|---|---|---|---|---|---|---|---|---|
| Benzene | 1.0 | 0.025 | 1.000 | 0 | 100 | 80 | 120 | | | |
| Toluene | 0.95 | 0.050 | 1.000 | 0 | 94.9 | 80 | 120 | | | |
| Ethylbenzene | 1.0 | 0.050 | 1.000 | 0 | 101 | 80 | 120 | | | |
| Xylenes, Total | 3.1 | 0.10 | 3.000 | 0 | 102 | 80 | 120 | | | |
| Surr: 1,2-Dichloroethane-d4 | 0.48 | | 0.5000 | | 96.4 | 70 | 130 | | | |
| Surr: 4-Bromofluorobenzene | 0.47 | | 0.5000 | | 93.1 | 70 | 130 | | | |
| Surr: Dibromofluoromethane | 0.47 | | 0.5000 | | 94.8 | 70 | 130 | | | |
| Surr: Toluene-d8 | 0.48 | | 0.5000 | | 95.5 | 70 | 130 | | | |

Sample ID: **2007c50-022ams** SampType: **MS4** TestCode: **EPA Method 8260B: Volatiles Short List**
Client ID: **S6-1'** Batch ID: **53952** RunNo: **70643**
Prep Date: **7/25/2020** Analysis Date: **7/27/2020** SeqNo: **2458340** Units: **mg/Kg**

| Analyte | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | %RPD | RPDLimit | Qual |
|---|---|---|---|---|---|---|---|---|---|---|
| Benzene | 1.0 | 0.025 | 0.9872 | 0 | 105 | 71.1 | 115 | | | |
| Toluene | 0.99 | 0.049 | 0.9872 | 0.007081 | 99.9 | 79.6 | 132 | | | |
| Ethylbenzene | 1.0 | 0.049 | 0.9872 | 0 | 103 | 83.8 | 134 | | | |
| Xylenes, Total | 3.2 | 0.099 | 2.962 | 0 | 107 | 82.4 | 132 | | | |
| Surr: 1,2-Dichloroethane-d4 | 0.47 | | 0.4936 | | 95.5 | 70 | 130 | | | |
| Surr: 4-Bromofluorobenzene | 0.44 | | 0.4936 | | 90.0 | 70 | 130 | | | |
| Surr: Dibromofluoromethane | 0.50 | | 0.4936 | | 101 | 70 | 130 | | | |
| Surr: Toluene-d8 | 0.49 | | 0.4936 | | 99.0 | 70 | 130 | | | |

Sample ID: **2007c50-022amsd** SampType: **MSD4** TestCode: **EPA Method 8260B: Volatiles Short List**
Client ID: **S6-1'** Batch ID: **53952** RunNo: **70643**
Prep Date: **7/25/2020** Analysis Date: **7/27/2020** SeqNo: **2458341** Units: **mg/Kg**

| Analyte | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | %RPD | RPDLimit | Qual |
|---|---|---|---|---|---|---|---|---|---|---|
| Benzene | 1.1 | 0.025 | 0.9970 | 0 | 110 | 71.1 | 115 | 5.81 | 20 | |
| Toluene | 1.1 | 0.050 | 0.9970 | 0.007081 | 106 | 79.6 | 132 | 7.33 | 20 | |
| Ethylbenzene | 1.1 | 0.050 | 0.9970 | 0 | 112 | 83.8 | 134 | 9.36 | 20 | |
| Xylenes, Total | 3.3 | 0.10 | 2.991 | 0 | 111 | 82.4 | 132 | 5.18 | 20 | |
| Surr: 1,2-Dichloroethane-d4 | 0.50 | | 0.4985 | | 101 | 70 | 130 | 0 | 0 | |
| Surr: 4-Bromofluorobenzene | 0.46 | | 0.4985 | | 91.8 | 70 | 130 | 0 | 0 | |
| Surr: Dibromofluoromethane | 0.52 | | 0.4985 | | 104 | 70 | 130 | 0 | 0 | |
| Surr: Toluene-d8 | 0.49 | | 0.4985 | | 99.1 | 70 | 130 | 0 | 0 | |

**Qualifiers:**

| | |
|---|---|
| * | Value exceeds Maximum Contaminant Level. |
| D | Sample Diluted Due to Matrix |
| H | Holding times for preparation or analysis exceeded |
| ND | Not Detected at the Reporting Limit |
| PQL | Practical Quanitative Limit |
| S | % Recovery outside of range due to dilution or matrix |
| B | Analyte detected in the associated Method Blank |
| E | Value above quantitation range |
| J | Analyte detected below quantitation limits |
| P | Sample pH Not In Range |
| RL | Reporting Limit |

# QC SUMMARY REPORT

## Hall Environmental Analysis Laboratory, Inc.

WO#: **2007C50**

***04-Aug-20***

**Client:** Pima Environmental Services LLC

**Project:** New Mexico Fed Com 1

| Sample ID: **mb-53950** | SampType: **MBLK** | TestCode: **EPA Method 8015D Mod: Gasoline Range** | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| Client ID: **PBS** | Batch ID: **53950** | RunNo: **70620** | | | | | | | |
| Prep Date: **7/25/2020** | Analysis Date: **7/26/2020** | SeqNo: **2457318** | Units: **mg/Kg** | | | | | | |
| Analyte | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | %RPD | RPDLimit | Qual |
| Gasoline Range Organics (GRO) | ND | 5.0 | | | | | | | | |
| Surr: BFB | 520 | | 500.0 | | 105 | 70 | 130 | | | |

| Sample ID: **lcs-53950** | SampType: **LCS** | TestCode: **EPA Method 8015D Mod: Gasoline Range** | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| Client ID: **LCSS** | Batch ID: **53950** | RunNo: **70620** | | | | | | | |
| Prep Date: **7/25/2020** | Analysis Date: **7/26/2020** | SeqNo: **2457319** | Units: **mg/Kg** | | | | | | |
| Analyte | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | %RPD | RPDLimit | Qual |
| Gasoline Range Organics (GRO) | 22 | 5.0 | 25.00 | 0 | 86.9 | 70 | 130 | | | |
| Surr: BFB | 520 | | 500.0 | | 103 | 70 | 130 | | | |

| Sample ID: **mb-53952** | SampType: **MBLK** | TestCode: **EPA Method 8015D Mod: Gasoline Range** | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| Client ID: **PBS** | Batch ID: **53952** | RunNo: **70643** | | | | | | | |
| Prep Date: **7/25/2020** | Analysis Date: **7/27/2020** | SeqNo: **2458363** | Units: **mg/Kg** | | | | | | |
| Analyte | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | %RPD | RPDLimit | Qual |
| Gasoline Range Organics (GRO) | ND | 5.0 | | | | | | | | |
| Surr: BFB | 510 | | 500.0 | | 101 | 70 | 130 | | | |

| Sample ID: **lcs-53952** | SampType: **LCS** | TestCode: **EPA Method 8015D Mod: Gasoline Range** | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| Client ID: **LCSS** | Batch ID: **53952** | RunNo: **70643** | | | | | | | |
| Prep Date: **7/25/2020** | Analysis Date: **7/27/2020** | SeqNo: **2458364** | Units: **mg/Kg** | | | | | | |
| Analyte | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | %RPD | RPDLimit | Qual |
| Gasoline Range Organics (GRO) | 21 | 5.0 | 25.00 | 0 | 83.0 | 70 | 130 | | | |
| Surr: BFB | 520 | | 500.0 | | 104 | 70 | 130 | | | |

| Sample ID: **2007c50-023ams** | SampType: **MS** | TestCode: **EPA Method 8015D Mod: Gasoline Range** | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| Client ID: **S7-0-6"** | Batch ID: **53952** | RunNo: **70643** | | | | | | | |
| Prep Date: **7/25/2020** | Analysis Date: **7/27/2020** | SeqNo: **2458367** | Units: **mg/Kg** | | | | | | |
| Analyte | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | %RPD | RPDLimit | Qual |
| Gasoline Range Organics (GRO) | 19 | 5.0 | 24.80 | 0 | 76.8 | 49.2 | 122 | | | |
| Surr: BFB | 490 | | 496.0 | | 97.8 | 70 | 130 | | | |

| Sample ID: **2007c50-023amsd** | SampType: **MSD** | TestCode: **EPA Method 8015D Mod: Gasoline Range** | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| Client ID: **S7-0-6"** | Batch ID: **53952** | RunNo: **70643** | | | | | | | |
| Prep Date: **7/25/2020** | Analysis Date: **7/27/2020** | SeqNo: **2458368** | Units: **mg/Kg** | | | | | | |
| Analyte | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | %RPD | RPDLimit | Qual |

**Qualifiers:**

| | |
|---|---|
| * | Value exceeds Maximum Contaminant Level. |
| D | Sample Diluted Due to Matrix |
| H | Holding times for preparation or analysis exceeded |
| ND | Not Detected at the Reporting Limit |
| PQL | Practical Quanitative Limit |
| S | % Recovery outside of range due to dilution or matrix |
| B | Analyte detected in the associated Method Blank |
| E | Value above quantitation range |
| J | Analyte detected below quantitation limits |
| P | Sample pH Not In Range |
| RL | Reporting Limit |

# QC SUMMARY REPORT
## Hall Environmental Analysis Laboratory, Inc.

WO#: **2007C50**
***04-Aug-20***

**Client:** Pima Environmental Services LLC
**Project:** New Mexico Fed Com 1

Sample ID: **2007c50-023amsd** SampType: **MSD** TestCode: **EPA Method 8015D Mod: Gasoline Range**
Client ID: **S7-0-6"** Batch ID: **53952** RunNo: **70643**
Prep Date: **7/25/2020** Analysis Date: **7/27/2020** SeqNo: **2458368** Units: **mg/Kg**

| Analyte | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | %RPD | RPDLimit | Qual |
|---|---|---|---|---|---|---|---|---|---|---|
| Gasoline Range Organics (GRO) | 19 | 4.9 | 24.51 | 0 | 76.6 | 49.2 | 122 | 1.44 | 20 | |
| Surr: BFB | 500 | | 490.2 | | 103 | 70 | 130 | 0 | 0 | |

**Qualifiers:**

| | |
|---|---|
| * | Value exceeds Maximum Contaminant Level. |
| D | Sample Diluted Due to Matrix |
| H | Holding times for preparation or analysis exceeded |
| ND | Not Detected at the Reporting Limit |
| PQL | Practical Quanitative Limit |
| S | % Recovery outside of range due to dilution or matrix |
| B | Analyte detected in the associated Method Blank |
| E | Value above quantitation range |
| J | Analyte detected below quantitation limits |
| P | Sample pH Not In Range |
| RL | Reporting Limit |

HALL ENVIRONMENTAL ANALYSIS LABORATORY

*Hall Environmental Analysis Laboratory*
*4901 Hawkins NE*
*Albuquerque, NM 87109*
*TEL: 505-345-3975 FAX: 505-345-4107*
*Website: clients.hallenvironmental.com*

# Sample Log-In Check List

Client Name: Pima Environmental Services LLC | Work Order Number: 2007C50 | RcptNo: 1

Received By: **Scott Anderson** 7/24/2020 9:50:00 AM

Completed By: **Juan Rojas** 7/24/2020 10:38:29 AM

Reviewed By: JR 7/24/20

## Chain of Custody

| | | | |
|---|---|---|---|
| 1. Is Chain of Custody complete? | Yes ☑ | No ☐ | Not Present ☐ |
| 2. How was the sample delivered? | Courier | | |

## Log In

| | | | |
|---|---|---|---|
| 3. Was an attempt made to cool the samples? | Yes ☑ | No ☐ | NA ☐ |
| 4. Were all samples received at a temperature of >0° C to 6.0°C | Yes ☑ | No ☐ | NA ☐ |
| 5. Sample(s) in proper container(s)? | Yes ☑ | No ☐ | |
| 6. Sufficient sample volume for indicated test(s)? | Yes ☑ | No ☐ | |
| 7. Are samples (except VOA and ONG) properly preserved? | Yes ☑ | No ☐ | |
| 8. Was preservative added to bottles? | Yes ☐ | No ☑ | NA ☐ |
| 9. Received at least 1 vial with headspace <1/4" for AQ VOA? | Yes ☐ | No ☐ | NA ☑ |
| 10. Were any sample containers received broken? | Yes ☐ | No ☑ | |
| 11. Does paperwork match bottle labels? (Note discrepancies on chain of custody) | Yes ☑ | No ☐ | |
| 12. Are matrices correctly identified on Chain of Custody? | Yes ☑ | No ☐ | |
| 13. Is it clear what analyses were requested? | Yes ☑ | No ☐ | |
| 14. Were all holding times able to be met? (If no, notify customer for authorization.) | Yes ☑ | No ☐ | |

# of preserved bottles checked for pH: _____ (<2 or >12 unless noted)

Adjusted? _____

Checked by CMC 7/24/20

## Special Handling (if applicable)

15. Was client notified of all discrepancies with this order? Yes ☐ No ☐ NA ☑

Person Notified: _____ Date _____

By Whom: _____ Via: ☐ eMail ☐ Phone ☐ Fax ☐ In Person

Regarding: _____

Client Instructions: _____

16. Additional remarks:

17. **Cooler Information**

| Cooler No | Temp °C | Condition | Seal Intact | Seal No | Seal Date | Signed By |
|---|---|---|---|---|---|---|
| 1 | 2.1 | Good | | | | |

# Chain-of-Custody Record

Client: Pima Environmental

Mailing Address: 1601 N. Turner ste500
Hobbs, NM 88240

Phone #: 575-631-6977

email or Fax#: chris@pimaoil.com

QA/QC Package:
☒ Standard ☐ Level 4 (Full Validation)

Accreditation: ☐ Az Compliance
☐ NELAC ☐ Other

☐ EDD (Type)

Turn-Around Time: 5 Days
☒ Standard ☐ Rush

Project Name: New Mexico Fed Com 1

Project #: 20368759

Project Manager: Chris Jones

Sampler:

On Ice: ☑ Yes ☐ No

# of Coolers: 1

Cooler Temp(including CF): 2.1-0=2.1 (°C)

**HALL ENVIRONMENTAL ANALYSIS LABORATORY**

www.hallenvironmental.com

4901 Hawkins NE - Albuquerque, NM 87109

Tel. 505-345-3975 Fax 505-345-4107

**Analysis Request**

| Date | Time | Matrix | Sample Name | Container Type and # | Preservative Type | HEAL No 7007C50 | BTEX / MTBE / TMB's (8021) | TPH:8015D(GRO / DRO / MRO) | 8081 Pesticides/8082 PCB's | EDB (Method 504.1) | PAHs by 8310 or 8270SIMS | RCRA 8 Metals | Cl, F, Br, $NO_3$, $NO_2$, $PO_4$, $SO_4$ | 8260 (VOA) | 8270 (Semi-VOA) | Total Coliform (Present/Absent) | Chloride |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 7/23/20 | 0830 | | S1-0-6" | GLASS | ICE | -001 | | | | | | | | | | | |
| | 0832 | | S1-1' | | | -002 | | | | | | | | | | | |
| | 0834 | | S1-2' | | | -003 | | | | | | | | | | | |
| | 0836 | | S1-3' | | | -004 | | | | | | | | | | | |
| | 0838 | | S2-0-6" | | | -005 | | | | | | | | | | | |
| | 0840 | | S2-1' | | | -006 | | | | | | | | | | | |
| | 0842 | | S2-2' | | | -007 | | | | | | | | | | | |
| | 0844 | | S2-3' | | | -008 | | | | | | | | | | | |
| | 0846 | | S3-0-6" | | | -009 | | | | | | | | | | | |
| | 0848 | | S3-1' | | | -010 | | | | | | | | | | | |
| | 0850 | | S3-2' | | | -011 | | | | | | | | | | | |
| | 0852 | | S3-3' | | | -012 | | | | | | | | | | | |

| Date: | Time: | Relinquished by: | Received by: | Via: | Date | Time |
|---|---|---|---|---|---|---|
| | | | | | 7/23/20 | 1015 |
| 7/23/20 | 1900 | | Courier | | | 9:50 |

Remarks:

Bill to Devon

1 of 3

# Chain-of-Custody Record

Client: Pima Environmental

Mailing Address: 1601 N. Turner ste 500
Hobbs, NM 88240

Phone #: 575-631-6977

email or Fax#: chris@pimaoil.com

QA/QC Package:
☒ Standard ☐ Level 4 (Full Validation)

Accreditation: ☐ Az Compliance
☐ NELAC ☐ Other

☐ EDD (Type)

Turn-Around Time: 5 Days
☒ Standard ☐ Rush

Project Name: New Mexico Fed Com 1

Project #: 208 68759

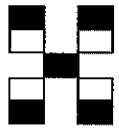
Project Manager: Chris Jones

Sampler:

On Ice: ☑ Yes ☐ No

# of Coolers: 1

Cooler Temp(Including CF): 2.1-0=2.1 (°C)



**HALL ENVIRONMENTAL ANALYSIS LABORATORY**

www.hallenvironmental.com

4901 Hawkins NE - Albuquerque, NM 87109

Tel. 505-345-3975 Fax 505-345-4107

**Analysis Request**

| Date | Time | Matrix | Sample Name | Container Type and # | Preservative Type | HEAL No. 7007650 | BTEX / MTBE / TMB's (8021) | TPH:8015D(GRO / DRO / MRO) | 8081 Pesticides/8082 PCB's | EDB (Method 504.1) | PAHs by 8310 or 8270SIMS | RCRA 8 Metals | Cl, F, Br, $NO_3$, $NO_2$, $PO_4$, $SO_4$ | 8260 (VOA) | 8270 (Semi-VOA) | Total Coliform (Present/Absent) | Chloride |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 7/23/20 | 0854 | | S4-0-6" | GLASS | ICE | -013 | | | | | | | | | | | |
| | 0856 | | S4-1' | | | -014 | | | | | | | | | | | |
| | 0858 | | S4-2' | | | -015 | | | | | | | | | | | |
| | 0900 | | S4-3' | | | -016 | | | | | | | | | | | |
| | 0902 | | S5-0-6" | | | -017 | | | | | | | | | | | |
| | 0904 | | S5-1' | | | -018 | | | | | | | | | | | |
| | 0906 | | S5-2' | | | -019 | | | | | | | | | | | |
| | 0908 | | S5-3' | | | -020 | | | | | | | | | | | |
| | 0910 | | S6-0-6" | | | -021 | | | | | | | | | | | |
| | 0912 | | S6-1' | | | -022 | | | | | | | | | | | |
| | 0914 | | S7-0-6" | | | -023 | | | | | | | | | | | |
| | 0916 | | S7-1' | | | -024 | | | | | | | | | | | |

| Date: | Time: | Relinquished by: | Received by: | Via: | Date | Time |
|---|---|---|---|---|---|---|
| | | | [signature] | | 7/23/20 | 1015 |
| 7/23/20 | 900 | [signature] | SPA | UPS | 7.24.20 | 9:50 |

Remarks:

Bill to Devon

2 of 3

If necessary, samples submitted to Hall Environmental may be subcontracted to other accredited laboratories. This serves as notice of this possibility. Any sub-contracted data will be clearly notated on the analytical report.

# Chain-of-Custody Record

Client: Pima Environmental

Mailing Address: 1601 N. Turner ste 500
Hobbs, NM 88240

Phone #: 575-631-6977

email or Fax#: chris@pimaoil.com

QA/QC Package:
☒ Standard ☐ Level 4 (Full Validation)

Accreditation: ☐ Az Compliance
☐ NELAC ☐ Other

☐ EDD (Type)

Turn-Around Time: 5 day
☒ Standard ☐ Rush

Project Name: New Mexico Fed Com 1

Project #: 20868759

Project Manager: Chris Jones

Sampler:

On Ice: ☑ Yes ☐ No

# of Coolers: 1

Cooler Temp(including CF): 2.1 - 0 = 2.1 (°C)

**HALL ENVIRONMENTAL ANALYSIS LABORATORY**

www.hallenvironmental.com

4901 Hawkins NE - Albuquerque, NM 87109

Tel. 505-345-3975 Fax 505-345-4107

| Date | Time | Matrix | Sample Name | Container Type and # | Preservative Type | HEAL No. 2007670 |
|---|---|---|---|---|---|---|
| 7/23/20 | 0918 | | S7 - 2' | GLASS | ICE | -025 |
| | 0920 | | S7 - 3' | | | -026 |
| | 0922 | | S8 - 0-6" | | | -027 |
| | 0924 | | S9 - 0-6" | | | -028 |
| | 0926 | | S9 - 1' | | | -029 |
| | 0928 | | S9 - 2' | | | -030 |
| ↓ | 0930 | | S9 - 3' | ↓ | ↓ | -031 |

Analysis Request

| BTEX / MTBE / TMB's (8021) | TPH:8015D(GRO / DRO / MRO) | 8081 Pesticides/8082 PCB's | EDB (Method 504.1) | PAHs by 8310 or 8270SIMS | RCRA 8 Metals | Cl, F, Br, $NO_3$, $NO_2$, $PO_4$, $SO_4$ | 8260 (VOA) | 8270 (Semi-VOA) | Total Coliform (Present/Absent) | Chloride |
|---|---|---|---|---|---|---|---|---|---|---|
| ↓ | ↓ | | | | | | | | | ↓ |

| Date: | Time: | Relinquished by: | Received by: | Via: | Date | Time |
|---|---|---|---|---|---|---|
| | | | | | 7/23/20 | 1015 |
| 7/23/20 | 1900 | | 7:24:20 SPA | UPS | 7.24.20 | 9:50 |

Remarks:

Bill to Devon

3083

If necessary, samples submitted to Hall Environmental may be subcontracted to other accredited laboratories. This serves as notice of this possibility. Any sub-contracted data will be clearly notated on the analytical report.

CARDINAL Laboratories

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

August 25, 2020

CHRIS JONES

PIMA ENVIROMENTAL

1601 N TURNER STE. 500

HOBBS, NM 88240

RE: N.M. FED - H1

Enclosed are the results of analyses for samples received by the laboratory on 08/19/20 9:00.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-20-13. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (*). For a complete list of accredited analytes and matrices visit the TCEQ website at www.tceq.texas.gov/field/qa/lab_accred_certif.html.

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

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

Accreditation applies to public drinking water matrices.

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

Sincerely,

Celey D. Keene

Celey D. Keene

Lab Director/Quality Manager

CARDINAL Laboratories

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

## Analytical Results For:

PIMA ENVIROMENTAL
CHRIS JONES
1601 N TURNER STE. 500
HOBBS NM, 88240
Fax To:

| | | | |
|---|---|---|---|
| Received: | 08/19/2020 | Sampling Date: | 08/19/2020 |
| Reported: | 08/25/2020 | Sampling Type: | Soil |
| Project Name: | N.M. FED - H1 | Sampling Condition: | ** (See Notes) |
| Project Number: | 27 | Sample Received By: | Jodi Henson |
| Project Location: | DEVON - LEA COUNTY | | |

### Sample ID: N. SIDEWALL CONFIRMATION (H002163-01)

**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 | 08/20/2020 | ND | 1.92 | 96.2 | 2.00 | 8.22 | |
| Toluene* | <0.050 | 0.050 | 08/20/2020 | ND | 1.94 | 97.1 | 2.00 | 7.39 | |
| Ethylbenzene* | <0.050 | 0.050 | 08/20/2020 | ND | 1.93 | 96.7 | 2.00 | 6.82 | |
| Total Xylenes* | <0.150 | 0.150 | 08/20/2020 | ND | 5.92 | 98.6 | 6.00 | 6.82 | |
| Total BTEX | <0.300 | 0.300 | 08/20/2020 | ND | | | | | |

*Surrogate: 4-Bromofluorobenzene (PID* *107 %* *73.3-129*

**Chloride, SM4500Cl-B** mg/kg Analyzed By: AC

| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
|---|---|---|---|---|---|---|---|---|---|
| **Chloride** | **3240** | 16.0 | 08/21/2020 | 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 | 08/19/2020 | ND | 195 | 97.4 | 200 | 0.569 | |
| DRO >C10-C28* | <10.0 | 10.0 | 08/19/2020 | ND | 187 | 93.6 | 200 | 3.59 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 08/19/2020 | ND | | | | | |

*Surrogate: 1-Chlorooctane* *84.6 %* *44.3-144*

*Surrogate: 1-Chlorooctadecane* *89.1 %* *42.2-156*

Cardinal Laboratories *=Accredited Analyte



Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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

## Analytical Results For:

PIMA ENVIROMENTAL
CHRIS JONES
1601 N TURNER STE. 500
HOBBS NM, 88240
Fax To:

| | | | |
|---|---|---|---|
| Received: | 08/19/2020 | Sampling Date: | 08/19/2020 |
| Reported: | 08/25/2020 | Sampling Type: | Soil |
| Project Name: | N.M. FED - H1 | Sampling Condition: | ** (See Notes) |
| Project Number: | 27 | Sample Received By: | Jodi Henson |
| Project Location: | DEVON - LEA COUNTY | | |

### Sample ID: S. SIDEWALL CONFIRMATION (H002163-02)

**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 | 08/20/2020 | ND | 1.92 | 96.2 | 2.00 | 8.22 | |
| Toluene* | <0.050 | 0.050 | 08/20/2020 | ND | 1.94 | 97.1 | 2.00 | 7.39 | |
| Ethylbenzene* | <0.050 | 0.050 | 08/20/2020 | ND | 1.93 | 96.7 | 2.00 | 6.82 | |
| Total Xylenes* | <0.150 | 0.150 | 08/20/2020 | ND | 5.92 | 98.6 | 6.00 | 6.82 | |
| Total BTEX | <0.300 | 0.300 | 08/20/2020 | ND | | | | | |

*Surrogate: 4-Bromofluorobenzene (PID* *108 %* *73.3-129*

**Chloride, SM4500Cl-B** mg/kg Analyzed By: AC

| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
|---|---|---|---|---|---|---|---|---|---|
| **Chloride** | **224** | 16.0 | 08/21/2020 | 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 | 08/19/2020 | ND | 195 | 97.4 | 200 | 0.569 | |
| **DRO >C10-C28*** | **13.6** | 10.0 | 08/19/2020 | ND | 187 | 93.6 | 200 | 3.59 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 08/19/2020 | ND | | | | | |

*Surrogate: 1-Chlorooctane* *84.6 %* *44.3-144*

*Surrogate: 1-Chlorooctadecane* *90.0 %* *42.2-156*

Cardinal Laboratories *=Accredited Analyte



Celey D. Keene

Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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

## Analytical Results For:

PIMA ENVIROMENTAL
CHRIS JONES
1601 N TURNER STE. 500
HOBBS NM, 88240
Fax To:

| | | | |
|---|---|---|---|
| Received: | 08/19/2020 | Sampling Date: | 08/19/2020 |
| Reported: | 08/25/2020 | Sampling Type: | Soil |
| Project Name: | N.M. FED - H1 | Sampling Condition: | ** (See Notes) |
| Project Number: | 27 | Sample Received By: | Jodi Henson |
| Project Location: | DEVON - LEA COUNTY | | |

### Sample ID: E. SIDEWALL CONFIRMATION (H002163-03)

**BTEX 8021B** mg/kg Analyzed By: ms

| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
|---|---|---|---|---|---|---|---|---|---|
| Benzene* | <0.050 | 0.050 | 08/20/2020 | ND | 1.92 | 96.2 | 2.00 | 8.22 | |
| Toluene* | <0.050 | 0.050 | 08/20/2020 | ND | 1.94 | 97.1 | 2.00 | 7.39 | |
| Ethylbenzene* | <0.050 | 0.050 | 08/20/2020 | ND | 1.93 | 96.7 | 2.00 | 6.82 | |
| Total Xylenes* | <0.150 | 0.150 | 08/20/2020 | ND | 5.92 | 98.6 | 6.00 | 6.82 | |
| Total BTEX | <0.300 | 0.300 | 08/20/2020 | ND | | | | | |

*Surrogate: 4-Bromofluorobenzene (PID* *107 %* *73.3-129*

**Chloride, SM4500Cl-B** mg/kg Analyzed By: AC

| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
|---|---|---|---|---|---|---|---|---|---|
| **Chloride** | **1520** | 16.0 | 08/21/2020 | 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 | 08/19/2020 | ND | 195 | 97.4 | 200 | 0.569 | |
| DRO >C10-C28* | <10.0 | 10.0 | 08/19/2020 | ND | 187 | 93.6 | 200 | 3.59 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 08/19/2020 | ND | | | | | |

*Surrogate: 1-Chlorooctane* *82.4 %* *44.3-144*

*Surrogate: 1-Chlorooctadecane* *88.2 %* *42.2-156*

Cardinal Laboratories *=Accredited Analyte



Celey D. Keene

Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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

## Analytical Results For:

PIMA ENVIROMENTAL
CHRIS JONES
1601 N TURNER STE. 500
HOBBS NM, 88240
Fax To:

| | | | |
|---|---|---|---|
| Received: | 08/19/2020 | Sampling Date: | 08/19/2020 |
| Reported: | 08/25/2020 | Sampling Type: | Soil |
| Project Name: | N.M. FED - H1 | Sampling Condition: | ** (See Notes) |
| Project Number: | 27 | Sample Received By: | Jodi Henson |
| Project Location: | DEVON - LEA COUNTY | | |

### Sample ID: W. SIDEWALL CONFIRMATION (H002163-04)

**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 | 08/20/2020 | ND | 1.92 | 96.2 | 2.00 | 8.22 | |
| Toluene* | <0.050 | 0.050 | 08/20/2020 | ND | 1.94 | 97.1 | 2.00 | 7.39 | |
| Ethylbenzene* | <0.050 | 0.050 | 08/20/2020 | ND | 1.93 | 96.7 | 2.00 | 6.82 | |
| Total Xylenes* | <0.150 | 0.150 | 08/20/2020 | ND | 5.92 | 98.6 | 6.00 | 6.82 | |
| Total BTEX | <0.300 | 0.300 | 08/20/2020 | ND | | | | | |

*Surrogate: 4-Bromofluorobenzene (PID* *108 %* *73.3-129*

**Chloride, SM4500Cl-B** mg/kg Analyzed By: AC

| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
|---|---|---|---|---|---|---|---|---|---|
| **Chloride** | **784** | 16.0 | 08/21/2020 | 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 | 08/19/2020 | ND | 195 | 97.4 | 200 | 0.569 | |
| DRO >C10-C28* | <10.0 | 10.0 | 08/19/2020 | ND | 187 | 93.6 | 200 | 3.59 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 08/19/2020 | ND | | | | | |

*Surrogate: 1-Chlorooctane* *65.5 %* *44.3-144*

*Surrogate: 1-Chlorooctadecane* *70.2 %* *42.2-156*

Cardinal Laboratories *=Accredited Analyte



Celey D. Keene

Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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

## Notes and Definitions

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

Cardinal Laboratories *=Accredited Analyte



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

| | | BILL TO | |
|---|---|---|---|
| Company Name: | Pima Environmental | P.O. #: | 20968759 |
| Project Manager: | Chris Jones | Company: | Devon |
| Address: | 1601-N. Turner Ste 500 | Attn: | Tom Bynum |
| City: | Hobbs | State: NM Zip: | 88240 |
| Phone #: | 964-7740 | Fax #: | |
| Project #: | 27 | Project Owner: | Devon |
| Project Name: | N.M. Fed #2 | | |
| Project Location: | LEA - NM | | |
| Sampler Name: | Cesar Morales | | |

| FOR LAB USE ONLY Lab I.D. | Sample I.D. | (G)RAB OR (C)OMP. | # CONTAINERS | MATRIX: GROUNDWATER | WASTEWATER | SOIL | OIL | SLUDGE | OTHER: | PRESERV.: ACID/BASE: | ICE / COOL | OTHER: | SAMPLING: DATE | TIME | ANALYSIS REQUEST: TPH EXT | BTEX | Chlorides |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| H002164 3 | | | | | | | | | | | | | | | | | |
| 1 | N. Sidewall Confirmation | G | 1 | | | X | | | | | X | | 8-19-20 | 8:00 | X | X | X |
| 2 | S. Sidewall Conf. | G | 1 | | | X | | | | | X | | | 8:05 | X | X | X |
| 3 | E. Sidewall Conf. | G | 1 | | | X | | | | | X | | | 8:10 | X | X | X |
| 4 | W. Sidewall Conf. | G | 1 | | | X | | | | | X | | | 8:15 | X | X | X |



| | | | |
|---|---|---|---|
| Relinquished By: Cesar Morales | Date: 8/19/20 Time: 9:00 | Received By: Jodi Henson | Verbal Result: ☐ Yes ☐ No Add'l Phone #: All Results are emailed. Please provide Email address: |
| Relinquished By: | Date: Time: | Received By: | REMARKS: |
| Delivered By: (Circle One) Sampler - UPS - Bus - Other: | Observed Temp. °C 22.4 Corrected Temp. °C | Sample Condition Cool: ☐ Yes ☑ No Intact: ☑ Yes ☐ No | CHECKED BY: (Initials) |

Turnaround Time: ☑ Standard ☐ Rush
Thermometer ID #113
Correction Factor None

Bacteria (only) Sample Condition
Cool: ☐ Yes ☐ No Intact: ☐ Yes ☐ No
Observed Temp. °C
Corrected Temp. °C

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

FORM-006 R 3.1 08/04/20

CARDINAL Laboratories

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

February 12, 2021

CHRIS JONES

PIMA ENVIROMENTAL

1601 N TURNER STE. 500

HOBBS, NM 88240

RE: NEW MEXICO FED H1

Enclosed are the results of analyses for samples received by the laboratory on 02/10/21 8:45.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-20-13. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (*). For a complete list of accredited analytes and matrices visit the TCEQ website at www.tceq.texas.gov/field/qa/lab_accred_certif.html.

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

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

Accreditation applies to public drinking water matrices.

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

Sincerely,

Celey D. Keene

Celey D. Keene

Lab Director/Quality Manager

CARDINAL Laboratories

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

## Analytical Results For:

PIMA ENVIROMENTAL
CHRIS JONES
1601 N TURNER STE. 500
HOBBS NM, 88240
Fax To:

| | | | |
|---|---|---|---|
| Received: | 02/10/2021 | Sampling Date: | 02/09/2021 |
| Reported: | 02/12/2021 | Sampling Type: | Soil |
| Project Name: | NEW MEXICO FED H1 | Sampling Condition: | Cool & Intact |
| Project Number: | NM FED #1 | Sample Received By: | Tamara Oldaker |
| Project Location: | DEVON - LEA COUNTY | | |

### Sample ID: N - 24' (H210337-01)

**Chloride, SM4500Cl-B** mg/kg Analyzed By: GM

| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
|---|---|---|---|---|---|---|---|---|---|
| **Chloride** | **96.0** | 16.0 | 02/11/2021 | 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 | 02/11/2021 | ND | 212 | 106 | 200 | 2.29 | |
| DRO >C10-C28* | <10.0 | 10.0 | 02/11/2021 | ND | 222 | 111 | 200 | 0.305 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 02/11/2021 | ND | | | | | |

| | | |
|---|---|---|
| *Surrogate: 1-Chlorooctane* | *59.8 %* | *44.3-144* |
| *Surrogate: 1-Chlorooctadecane* | *58.9 %* | *42.2-156* |

### Sample ID: S - 10' (H210337-02)

**Chloride, SM4500Cl-B** mg/kg Analyzed By: GM

| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
|---|---|---|---|---|---|---|---|---|---|
| **Chloride** | **80.0** | 16.0 | 02/11/2021 | 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 | 02/11/2021 | ND | 212 | 106 | 200 | 2.29 | |
| DRO >C10-C28* | <10.0 | 10.0 | 02/11/2021 | ND | 222 | 111 | 200 | 0.305 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 02/11/2021 | ND | | | | | |

| | | |
|---|---|---|
| *Surrogate: 1-Chlorooctane* | *81.0 %* | *44.3-144* |
| *Surrogate: 1-Chlorooctadecane* | *80.4 %* | *42.2-156* |

Cardinal Laboratories *=Accredited Analyte



Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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

## Notes and Definitions

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

Cardinal Laboratories *=Accredited Analyte



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: | Pima Environmental |
| Project Manager: | Chris Jones |
| Address: | 1601 N. Turner Ste 500 |
| City: | Hobbs State: NM Zip: 88240 |
| Phone #: | 964-7740 Fax #: |
| Project #: | Project Owner: Devon |
| Project Name: | NM Fed H 1 |
| Project Location: | Eddy |
| Sampler Name: | Robert Cuppar |

**BILL TO**

| | |
|---|---|
| P.O. #: | 208168759 |
| Company: | Devon |
| Attn: | Wes Mathews |
| Address: | |
| City: | |
| State: | Zip: |
| Phone #: | |
| Fax #: | |

**ANALYSIS REQUEST**

| FOR LAB USE ONLY Lab I.D. | Sample I.D. | (G)RAB OR (C)OMP. | # CONTAINERS | MATRIX: GROUNDWATER | WASTEWATER | SOIL | OIL | SLUDGE | OTHER : | PRESERV.: ACID/BASE: | ICE / COOL | OTHER : | SAMPLING: DATE | TIME | TPH | Chlorides |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| H210337-1 | N-24' | C | | | | X | | | | | X | | 2-9-21 | 10:00 | X | X |
| 2 | S-10' | C | | | | | | | | | | | 2-9-21 | 10:45 | X | X |

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

| | | | |
|---|---|---|---|
| Relinquished By: Dwayne Browne | Date: 2/10/21 Time: 8:45 am | Received By: Tamara Oldaker | Verbal Result: ☐ Yes ☐ No Add'l Phone #: |
| Relinquished By: | Date: Time: | Received By: | All Results are emailed. Please provide Email address: |
| | | | REMARKS: |

| | | | | |
|---|---|---|---|---|
| Delivered By: (Circle One) Sampler - UPS - Bus - Other: | Observed Temp. °C 1.8 Corrected Temp. °C | Sample Condition Cool: ☑ Yes ☐ No Intact: ☑ Yes ☐ No | CHECKED BY: (Initials) TO | Turnaround Time: Standard ☑ Rush ☐ Thermometer ID #113 Correction Factor None |

Bacteria (only) Sample Condition: Cool ☐ Yes ☐ No Intact ☐ Yes ☐ No Observed Temp. °C Corrected Temp. °C

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

FORM-006 R 3.1 06/04/20

**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

| Operator: | OGRID: |
|---|---|
| Pima Environmental Services, LLC<br>1601 N. Turner<br>Hobbs, NM 88240 | 329999 |
| | Action Number:<br>34122 |
| | Action Type:<br>[C-141] Release Corrective Action (C-141) |

**CONDITIONS**

| Created By | Condition | Condition Date |
|---|---|---|
| chensley | None | 7/16/2021 |