



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

September 16, 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 Assessment and Closure Report
Federal HJ-27 #1
API No. 30-015-25780
GPS: Latitude 32.6335258 Longitude -103.863533
UL "E", Sec. 27, T19S, R31E
Eddy County, NM
NMOCD Ref. No. 2RP-3765

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 has prepared this Closure Report for a produced water and oil release that occurred at the Federal HJ-27 #1 (Federal HJ). The initial C-141 was submitted on July 7, 2016 (Appendix C). This incident was assigned 2RP-3765, Incident ID NAB1619027282, by the New Mexico Oil Conservation Division (NMOCD).

Site Characterization

The Federal HJ is located approximately twenty-six (26) miles northeast of Carlsbad, NM. This spill site is in Unit E, Section 27, Township 19S, Range 31E, Latitude 32.6335258, Longitude -103.863533, Eddy 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)-interlayered eolian sands and piedmont-slope deposits (QEP). The soil in this area is made up of Kermit-Berino fine sands, 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 excessively drained. There is a low potential for karst geology to be present in the area of the Federal HJ (Figure 3).

According to the New Mexico Office of the State Engineer, depth to the nearest groundwater in this area is 140 feet below grade surface (BGS). According to the United States Geological Survey (USGS), the nearest groundwater is greater than 100 feet BGS. The closest waterway and is a playa located approximately 4 miles to the southeast of this location. See Appendix A for the referenced Surface Water Map.

| Table 1 NMAC and Closure Criteria 19.15.29 | | | | | |
|--|----------------------|-------------|-------------|----------|----------|
| Depth to Groundwater (Appendix B) | Constituent & Limits | | | | |
| | Chlorides | Total TPH | GRO+DRO | BTEX | Benzene |
| 140' | 20,000 mg/kg | 2,500 mg/kg | 1,000 mg/kg | 50 mg/kg | 10 mg/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 TOPO Map.

Release Information

2RP-3765: On July 7, 2016, a nipple from the water tank was damaged, causing the threads on the nipple to break, releasing 7 barrels (bbls) of produced water released into the earthen bermed containment. Zero bbls were recovered, and the tank was taken out of service, and repairs were made.

Site Assessment and Soil Sampling Results

On September 3, 2020, Pima Environmental conducted a site assessment and obtained soil samples. The laboratory results of this sampling event can be found in the following data table.

9-3-20 Soil Sample Results

| NMOCD Table 1 Closure Criteria 19.15.29 NMAC (Depth to Groundwater is >100') | | | | | | | | |
|--|----------------|--------------------------------|------------------|--------------|--------------|--------------|--------------------|-------------|
| Sample Date 9-3-20 | | 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 |
| BG-1 | 0 | ND | ND | ND | ND | ND | ND | ND |
| BG-2 | 0 | ND | ND | ND | ND | ND | ND | ND |
| BG-3 | 0 | ND | ND | ND | ND | ND | ND | ND |
| S-1 | 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-2 | 0-6 | ND | ND | ND | ND | ND | ND | 470 |
| | 1 | ND | ND | ND | ND | ND | ND | 300 |
| | 2 | ND | ND | ND | ND | ND | ND | 590 |
| | 3 | ND | ND | ND | ND | ND | ND | 940 |
| S-3 | 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-4 | 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-5 | 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-6 | 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-7 | 0-6 | ND | ND | ND | ND | ND | ND | ND |
| | 1 | ND | ND | ND | ND | ND | ND | ND |
| | 2 | ND | ND | ND | ND | ND | ND | 100 |
| | 3 | ND | ND | ND | ND | ND | ND | 160 |

ND- Analyte Not Detected

Complete Laboratory results can be found attached in Appendix D.

Remediation Activities

The sample results were below NMOCD Closure Criteria 19.15.29 NMAC. Based on these findings, no remediation activities were needed at this location.

Closure Request

After careful review, Pima requests that this incident, NAB1619027282, be closed. Devon has complied with the applicable closure requirements outlined in rule 19.15.19.12 NMAC.

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- TOPO Map
- 3- Karst Map
- 4- Site Map

Appendices:

- Appendix A- Referenced Water Surveys
- Appendix B- Soil Survey and Geological Data
- Appendix C- C-141's
- Appendix D- Laboratory Reports



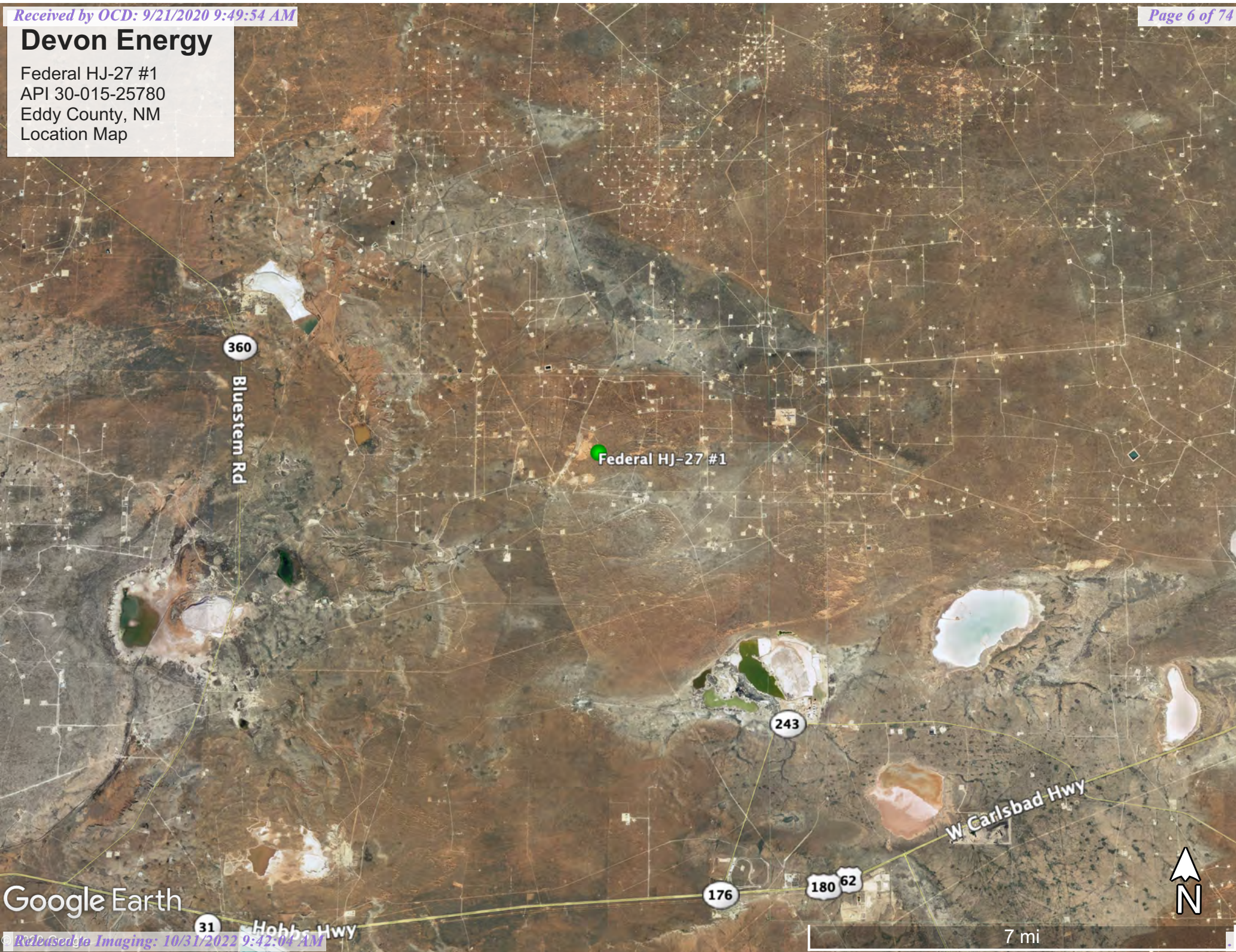
Pima Environmental Services

Figures:

- 1-Location Map
- 2- TOPO Map
- 3- Karst Map
- 4- Site Map

Devon Energy

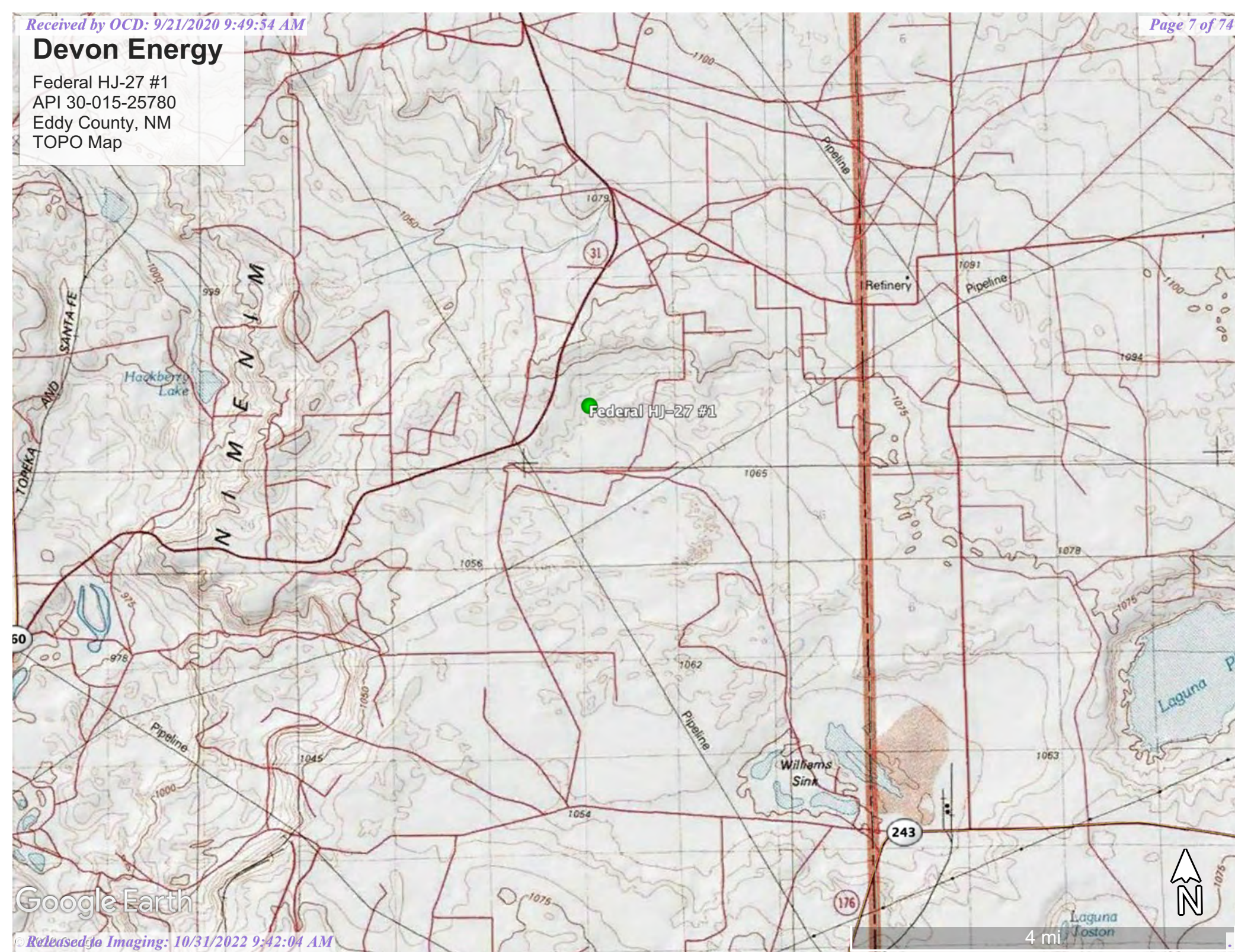
Federal HJ-27 #1
API 30-015-25780
Eddy County, NM
Location Map



Google Earth

Federal HJ-27 #1
API 30-015-25780
Eddy County, NM
TOPO Map

Federal HJ-27 #1
API 30-015-25780
Eddy County, NM
TOPO Map



Devon Energy

Federal HJ-27 #1
API 30-015-25780
Eddy County, NM
Karst Map

Legend

- High
- Low
- Medium

Federal HJ-27 #1



4 mi

Google Earth

Devon Energy

Federal HJ-27 #1
API 30-015-25780
Eddy County, NM
Site Map

Legend

○ Samples

BG-1
S-3
S-4
BG-2
S-2
S-5
S-6
BG-3
S-7
S-1

Federal HJ-27 #1

Google Earth



100 ft



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 | DepthWell | DepthWater | Water Column |
|-------------------------------|------|---------------|--------|------|------|-----|-----|-----|-----|--------|----------|----------|-----------|------------|--------------|
| CP 00722 POD1 | | CP | LE | 4 | 3 | 3 | 28 | 19S | 31E | 605106 | 3610273* | 1782 | 200 | | |
| CP 00725 POD1 | | CP | ED | 1 | 3 | 3 | 28 | 19S | 31E | 604906 | 3610473* | 1863 | 231 | | |
| CP 00723 POD1 | | CP | ED | 2 | 1 | 1 | 33 | 19S | 31E | 605111 | 3610071* | 1894 | 139 | | |
| CP 00722 POD3 | | CP | LE | 2 | 4 | 1 | 33 | 19S | 31E | 605519 | 3609673* | 1901 | 220 | 140 | 80 |
| CP 01554 POD2 | | CP | LE | 2 | 2 | 1 | 22 | 19S | 31E | 607165 | 3613322 | 2163 | 400 | | |
| CP 01554 POD1 | | CP | LE | 2 | 2 | 1 | 22 | 19S | 31E | 607166 | 3613354 | 2194 | 400 | | |
| CP 00829 POD1 | | CP | LE | | 2 | 4 | 16 | 19S | 31E | 606165 | 3614009* | 2812 | 120 | | |

Average Depth to Water: 140 feet
Minimum Depth: 140 feet
Maximum Depth: 140 feet

Record Count: 7

UTMNAD83_Radius_Search_(in.meters):

Easting (X): 606608.412 Northing (Y): 3611231.855 Radius: 3000

*UTM location was derived from PLSS - see Help

The data is furnished by the NMOSE/ISC and is accepted by the recipient with the expressed understanding that the OSE/ISC make no warranties, expressed or implied, concerning the accuracy, completeness, reliability, usability, or suitability for any particular purpose of the data.


9/15/20 5:40 PM

WATER COLUMN/ AVERAGE DEPTH TO
WATER



New Mexico Office of the State Engineer

Point of Diversion Summary

| | | | | | | | | | |
|--------------------------------|---------------|------------------------------------|-----|----|-----|-------------------------------|-------------------------------|-----------------------|--|
| | | (quarters are 1=NW 2=NE 3=SW 4=SE) | | | | | | (NAD83 UTM in meters) | |
| Well Tag | POD Number | Q64 | Q16 | Q4 | Sec | Tw | Rng | X | Y |
| | CP 00722 POD3 | 2 | 4 | 1 | 33 | 19S | 31E | 605519 | 3609673*  |
| | | | | | | | | | |
| Driller License: | 1058 | Driller Company: | | | | KEY'S DRILLING & PUMP SERVICE | | | |
| Driller Name: | KEY, CASEY | | | | | | | | |
| | | | | | | | | | |
| Drill Start Date: | 05/02/2011 | Drill Finish Date: | | | | 05/04/2011 | Plug Date: | | |
| Log File Date: | 05/17/2011 | PCW Rcv Date: | | | | | Source: | | Shallow |
| Pump Type: | | Pipe Discharge Size: | | | | | Estimated Yield: | | 100 GPM |
| Casing Size: | 5.00 | Depth Well: | | | | 220 feet | Depth Water: | | 140 feet |
| | | | | | | | | | |
| Water Bearing Stratifications: | | | | | Top | Bottom | Description | | |
| | | | | | 140 | 150 | Sandstone/Gravel/Conglomerate | | |
| | | | | | 170 | 220 | Sandstone/Gravel/Conglomerate | | |

*UTM location was derived from PLSS - see Help

The data is furnished by the NMOSE/ISC and is accepted by the recipient with the expressed understanding that the OSE/ISC make no warranties, expressed or implied, concerning the accuracy, completeness, reliability, usability, or suitability for any particular purpose of the data.

National Water Information System: Web Interface

USGS Water Resources

Data Category:

Groundwater

Geographic Area:

United States

GO

Click to hide News Bulletins

- Introducing The Next Generation of USGS Water Data for the Nation
- NOTICE 09-08-2020: The **NWIS Mapper** is experiencing intermittent issues. Developers are looking into the problem. Thank you for your patience.
- Full News

Groundwater levels for the Nation

Search Results -- 1 sites found

site_no list =

- 323810103511401

Minimum number of levels = 1

Save file of selected sites to local disk for future upload

USGS 323810103511401 19S.31E.27.214121

Available data for this site

Groundwater: Field measurements

GO

Eddy County, New Mexico
Hydrologic Unit Code 13060011
Latitude 32°38'10", Longitude 103°51'14" NAD27
Land-surface elevation 3,480 feet above NGVD29
The depth of the well is 210.00 feet below land surface.
This well is completed in the Santa Rosa Sandstone (231SNRS) local aquifer.

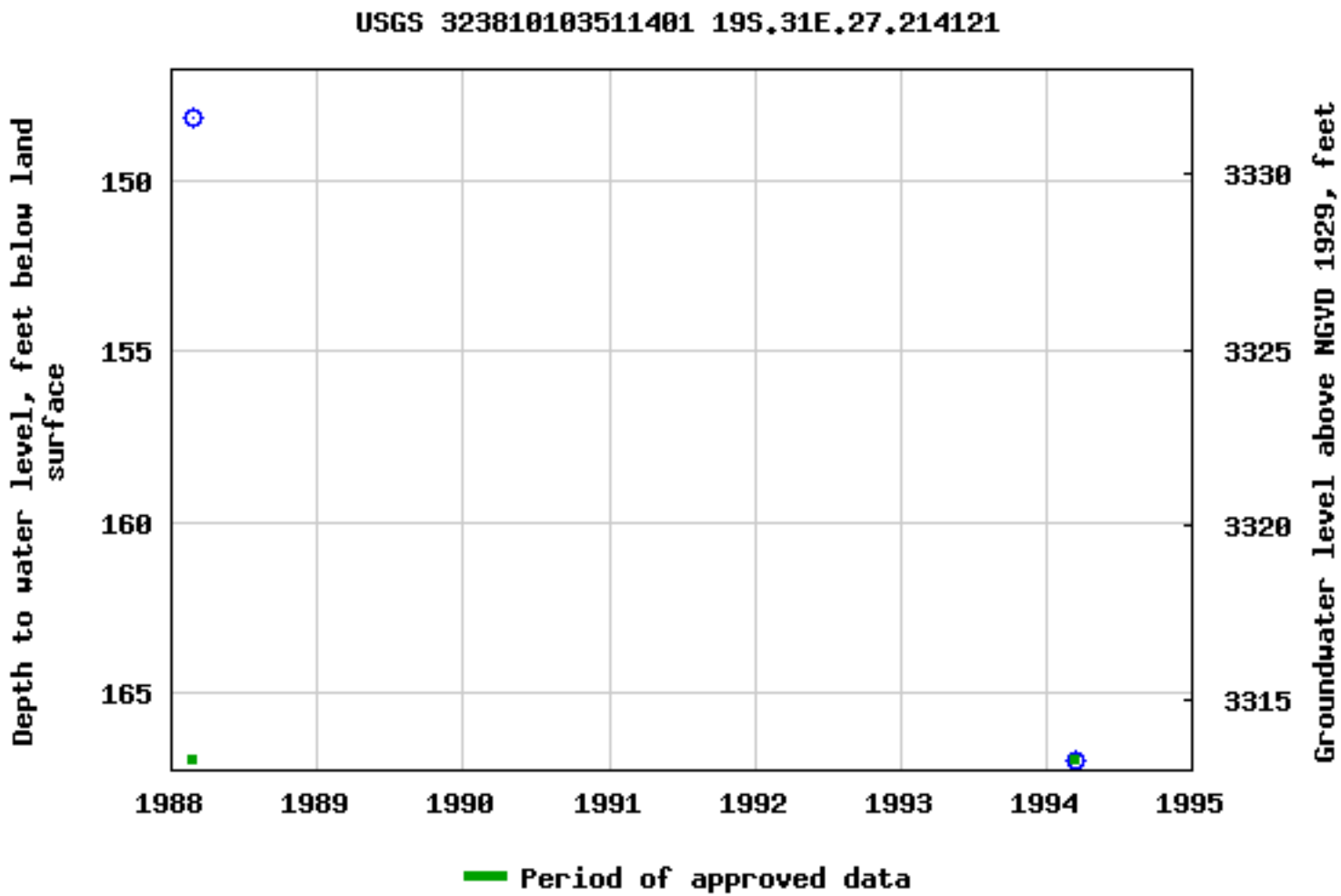
Output formats

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](#)
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[Data Tips](#)
[Explanation of terms](#)
[Subscribe for system changes](#)
[News](#)

Devon Energy

Federal HJ-27 #1
API 30-015-25780
Eddy County, NM
Surface Water Map

Legend

4.0 Miles

Bluestem Rd

360

BG-3
S-7
Federal HJ-27 #1

243



4 mi

Google Earth



Pima Environmental Services

Appendix B
Soil Survey & Geological Data:
USDA

Qep

Eolian and piedmont deposits (Holocene to middle Pleistocene)—
Interlayered eolian sands and piedmont–slope deposits along the eastern
flank of the Pecos River valley, primarily between Roswell and Carlsbad.
Typically capped by thin eolian deposits

Map Unit Description: Kermit-Berino fine sands, 0 to 3 percent slopes---Eddy Area, New Mexico

Eddy Area, New Mexico

KM—Kermit-Berino fine sands, 0 to 3 percent slopes

Map Unit Setting

National map unit symbol: 1w4q
Elevation: 3,100 to 4,200 feet
Mean annual precipitation: 10 to 14 inches
Mean annual air temperature: 60 to 64 degrees F
Frost-free period: 190 to 230 days
Farmland classification: Not prime farmland

Map Unit Composition

Kermit and similar soils: 50 percent
Berino and similar soils: 35 percent
Minor components: 15 percent
Estimates are based on observations, descriptions, and transects of the mapunit.

Description of Kermit

Setting

Landform: Alluvial fans, plains
Landform position (three-dimensional): Rise, tal
Down-slope shape: Linear, convex
Across-slope shape: Linear
Parent material: Mixed alluvium and/or eolian sands

Typical profile

H1 - 0 to 7 inches: fine sand
H2 - 7 to 60 inches: fine sand

Properties and qualities

Slope: 0 to 3 percent
Depth to restrictive feature: More than 80 inches
Drainage class: Excessively drained
Runoff class: Negligible
Capacity of the most limiting layer to transmit water (Ksat): Very high (20.00 in/hr)
Depth to water table: More than 80 inches
Frequency of flooding: None
Frequency of ponding: None
Maximum salinity: Nonsaline (0.0 to 1.0 mmhos/cm)
Sodium adsorption ratio, maximum: 1.0
Available water capacity: Low (about 3.1 inches)

Interpretive groups

Land capability classification (irrigated): None specified
Land capability classification (nonirrigated): 7e
Hydrologic Soil Group: A
Ecological site: R042XC005NM - Deep Sand
Hydric soil rating: No

Map Unit Description: Kermit-Berino fine sands, 0 to 3 percent slopes---Eddy Area, New Mexico

Description of Berino

Setting

Landform: Fan piedmonts, plains
Landform position (three-dimensional): Riser
Down-slope shape: Convex
Across-slope shape: Linear
Parent material: Mixed alluvium and/or eolian sands

Typical profile

H1 - 0 to 17 inches: fine sand
H2 - 17 to 50 inches: fine sandy loam
H3 - 50 to 58 inches: loamy sand

Properties and qualities

Slope: 0 to 3 percent
Depth to restrictive feature: More than 80 inches
Drainage class: Well drained
Runoff class: Low
Capacity of the most limiting layer to transmit water (Ksat): Moderately high to high (0.60 to 2.00 in/hr)
Depth to water table: More than 80 inches
Frequency of flooding: None
Frequency of ponding: None
Calcium carbonate, maximum content: 40 percent
Maximum salinity: Very slightly saline to slightly saline (2.0 to 4.0 mmhos/cm)
Sodium adsorption ratio, maximum: 1.0
Available water capacity: Moderate (about 7.2 inches)

Interpretive groups

Land capability classification (irrigated): 4e
Land capability classification (nonirrigated): 7e
Hydrologic Soil Group: B
Ecological site: R042XC003NM - Loamy Sand
Hydric soil rating: No

Minor Components

Active dune land

Percent of map unit: 15 percent
Hydric soil rating: No

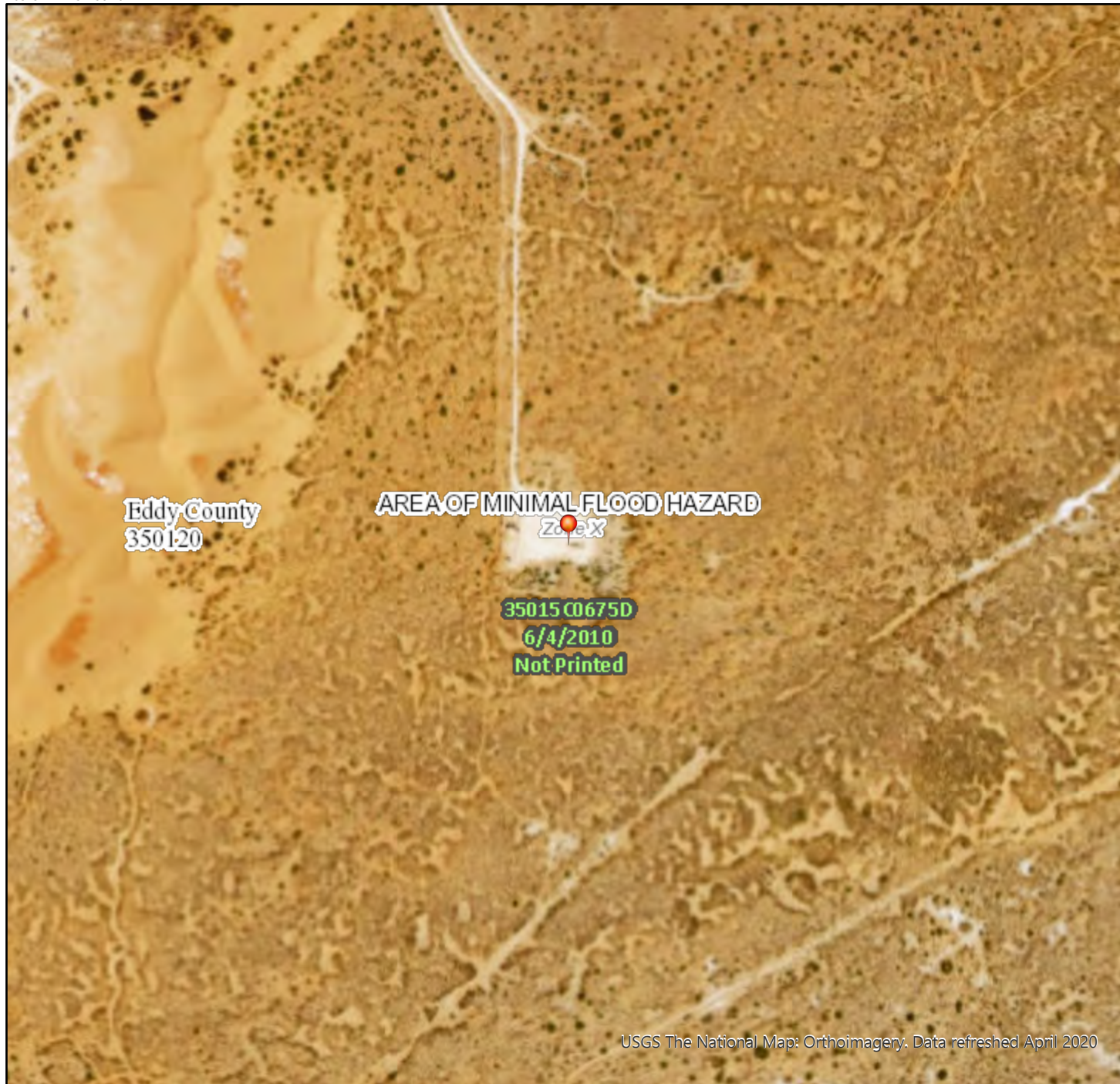
Data Source Information

Soil Survey Area: Eddy Area, New Mexico
Survey Area Data: Version 16, Jun 8, 2020

National Flood Hazard Layer FIRMette



103°52'7"W 32°38'16"N



USGS The National Map: Orthoimagery. Data refreshed April 2020

Released to Imaging: 10/31/2022 9:42:04 AM

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

1:6,000

103°51'30"W 32°37'46"N

Legend

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

| | | |
|-----------------------------|--|---|
| SPECIAL FLOOD HAZARD AREAS | | Without Base Flood Elevation (BFE) Zone A, V, A99 |
| | | With BFE or Depth Zone AE, AO, AH, VE, AR |
| | | Regulatory Floodway |
| OTHER AREAS OF FLOOD HAZARD | | 0.2% Annual Chance Flood Hazard, Areas of 1% annual chance flood with average depth less than one foot or with drainage areas of less than one square mile Zone X |
| | | Future Conditions 1% Annual Chance Flood Hazard Zone X |
| | | Area with Reduced Flood Risk due to Levee. See Notes. Zone X |
| | | Area with Flood Risk due to Levee Zone D |
| OTHER AREAS | | NO SCREEN Area of Minimal Flood Hazard Zone X |
| | | Effective LOMRs |
| | | 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 |
| MAP PANELS | | Digital Data Available |
| | | No Digital Data Available |
| | | Unmapped |



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

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

The flood hazard information is derived directly from the authoritative NFHL web services provided by FEMA. This map was exported on 9/16/2020 at 1:59 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

District 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

ARTESIA DISTRICT

Form C-141
Revised August 8, 2011

JUL 07 2016

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

RECEIVED

Release Notification and Corrective Action

OPERATOR

☒ Initial Report ☐ Final Report

Name of Company Devon Energy Production Company **6137** **Contact** Danny Velo, Production Foreman
Address 6488 Seven Rivers Hwy Artesia, NM 88210 **Telephone No.** 575-703-3360
Facility Name Federal HJ-27 1 **Facility Type** Oil

Surface Owner Federal **Mineral Owner** Federal **API No** 30-015-25780

LOCATION OF RELEASE

| | | | | | | | | |
|------------------|---------------|-----------------|--------------|------------------------|---------------------------|-----------------------|-----------------------|----------------|
| Unit Letter E | Section 27 | Township 19S | Range 31E | Feet from the 1880' | North/South Line North | Feet from the 660' | East/West Line FWL | County Eddy |
|------------------|---------------|-----------------|--------------|------------------------|---------------------------|-----------------------|-----------------------|----------------|

Latitude: 32.7573929

Longitude: -104.0829773

NATURE OF RELEASE

| | | |
|---|--|--|
| Type of Release Produced Water | Volume of Release 7bbls | Volume Recovered 0bbls |
| Source of Release Nipple on water tank | Date and Hour of Occurrence July 4, 2016 @ 10:00 AM | Date and Hour of Discovery July 4, 2016 @ 10:00 AM |
| Was Immediate Notice Given? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Not Required | If YES, To Whom? Shelly Tucker, BLM Mike Bratcher, OCD | |
| By Whom? Danny Velo, Production Foreman | Date and Hour Shelly Tucker, BLM July 7, 2016 @ 2:45 PM Mike Bratcher, OCD July 7, 2016 @ 1:30 PM | |
| Was a Watercourse Reached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No | If YES, Volume Impacting the Watercourse N/A | |

If a Watercourse was Impacted, Describe Fully.*

N/A

Describe Cause of Problem and Remedial Action Taken.*

A nipple from the water tank was either stepped on or laid on by a cow causing the threads on the nipple to break. The tank was taken out of service until repairs can be made.

Describe Area Affected and Cleanup Action Taken.*

Approximately 7bbls produced water was released into bermed dirt containment. All fluid remained in containment with 0bbls recovered. An environmental agency will be contacted for remediation.

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: Sheila Fisher

Printed Name: Sheila Fisher

Title: Field Admin Support

E-mail Address: Sheila.Fisher@dm.com

Date: 7/7/16

Phone: 575.746.1829

OIL CONSERVATION DIVISION

Signed By: Mike Bratcher

Approved by Environmental Specialist:

Approval Date: 7/8/16

Expiration Date: N/A

Conditions of Approval:

Remediation per O.C.D. Rules & Guidelines

SUBMIT REMEDIATION PROPOSAL NO

LATER THAN: 7/8/16

2RD-3745

* Attach Additional Sheets If Necessary

Bratcher, Mike, EMNRD

From: Fisher, Sheila <Sheila.Fisher@dvn.com>
Sent: Thursday, July 07, 2016 8:21 AM
To: Patterson, Heather, EMNRD; Bratcher, Mike, EMNRD
Cc: Fulks, Brett; Velo, Danny; Armendariz, Jesse
Subject: Federal HJ 27-1_7bbl pw release_7.4.16
Attachments: Federal HJ 27-1_7bbl pw release_Initial C-141_7.4.16.doc; Federal HJ 27-1_7bbl pw release_pic 1 of 3_7.4.16.jpg; Federal HJ 27-1_7bbl pw release_pic 2 of 3_7.4.16.jpg; Federal HJ 27-1_7bbl pw release_pic 3 of 3_7.4.16.jpg

Good Morning,

Attached please find the Initial C-141, GIS Image and photos for the 7bbl produced water release at the Federal HJ 27-1 on 7.4.16.

If you have any questions please feel free to contact me.

Thank you,

Sheila Fisher
Field Admin Support
Production
B-Schedule

Devon Energy Corporation
PO Box 250
Artesia, NM 88211
575 748 1829 Direct



Confidentiality Warning: This message and any attachments are intended only for the use of the intended recipient(s), are confidential, and may be privileged. If you are not the intended recipient, you are hereby notified that any review, retransmission, conversion to hard copy, copying, circulation or other use of all or any portion of this message and any attachments is strictly prohibited. If you are not the intended recipient, please notify the sender immediately by return e-mail, and delete this message and any attachments from your system.

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? | _____ 140 (ft bgs) |
| Did this release impact groundwater or surface water? | <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No |
| Are the lateral extents of the release within 300 feet of a continuously flowing watercourse or any other significant watercourse? | <input type="checkbox"/> Yes <input checked="" type="checkbox"/> 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)? | <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No |
| Are the lateral extents of the release within 300 feet of an occupied permanent residence, school, hospital, institution, or church? | <input type="checkbox"/> Yes <input checked="" type="checkbox"/> 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? | <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No |
| Are the lateral extents of the release within 1000 feet of any other fresh water well or spring? | <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No |
| Are the lateral extents of the release within incorporated municipal boundaries or within a defined municipal fresh water well field? | <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No |
| Are the lateral extents of the release within 300 feet of a wetland? | <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No |
| Are the lateral extents of the release overlying a subsurface mine? | <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No |
| Are the lateral extents of the release overlying an unstable area such as karst geology? | <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No |
| Are the lateral extents of the release within a 100-year floodplain? | <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No |
| Did the release impact areas not on an exploration, development, production, or storage site? | <input type="checkbox"/> Yes <input checked="" type="checkbox"/> 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.

State of New Mexico
Oil Conservation Division

| | |
|----------------|---------------|
| Incident ID | NAB1619027282 |
| District RP | 2RP-3765 |
| 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: 9/16/2020
email: tom.bynum@dnv.com Telephone: 575-748-2663

OCD Only

Received by: _____ Date: _____

| | |
|----------------|---------------|
| Incident ID | NAB1619027282 |
| District RP | 2RP-3765 |
| 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: 9/16/2020
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: _____

| | |
|----------------|---------------|
| Incident ID | NAB1619027282 |
| District RP | 2RP-3765 |
| 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: 9/16/2020
email: tom.bynum@dvn.com Telephone: 575-748-2663

OCD Only

Received by: _____ Date: _____

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

Closure Approved by: Brittany Hall Date: 10/31/2022
Printed Name: Brittany Hall Title: Environmental Specialist



Pima Environmental Services

Appendix D:
Laboratory Reports



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

September 16, 2020

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

RE: Fed HJ 27 1

OrderNo.: 2009394

Dear Chris Jones:

Hall Environmental Analysis Laboratory received 31 sample(s) on 9/5/2020 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,

A handwritten signature in black ink, appearing to read "Andy Freeman", is written over a light blue horizontal line.

Andy Freeman
Laboratory Manager
4901 Hawkins NE
Albuquerque, NM 87109

Analytical Report

Lab Order 2009394

Date Reported: 9/16/2020

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Pima Environmental Services LLC

Client Sample ID: BG-1

Project: Fed HJ 27 1

Collection Date: 9/3/2020 10:05:00 AM

Lab ID: 2009394-001

Matrix: SOIL

Received Date: 9/5/2020 7:45:00 AM

| Analyses | Result | RL | Qual | Units | DF | Date Analyzed |
|--|--------|----------|------|-------|----|----------------------|
| EPA METHOD 8015M/D: DIESEL RANGE ORGANICS | | | | | | Analyst: BRM |
| Diesel Range Organics (DRO) | ND | 8.5 | | mg/Kg | 1 | 9/9/2020 2:34:32 PM |
| Motor Oil Range Organics (MRO) | ND | 42 | | mg/Kg | 1 | 9/9/2020 2:34:32 PM |
| Surr: DNOP | 138 | 30.4-154 | | %Rec | 1 | 9/9/2020 2:34:32 PM |
| EPA METHOD 300.0: ANIONS | | | | | | Analyst: CAS |
| Chloride | ND | 59 | | mg/Kg | 20 | 9/13/2020 6:14:23 PM |
| EPA METHOD 8260B: VOLATILES SHORT LIST | | | | | | Analyst: JMR |
| Benzene | ND | 0.025 | | mg/Kg | 1 | 9/10/2020 1:55:20 AM |
| Toluene | ND | 0.049 | | mg/Kg | 1 | 9/10/2020 1:55:20 AM |
| Ethylbenzene | ND | 0.049 | | mg/Kg | 1 | 9/10/2020 1:55:20 AM |
| Xylenes, Total | ND | 0.098 | | mg/Kg | 1 | 9/10/2020 1:55:20 AM |
| Surr: 1,2-Dichloroethane-d4 | 96.3 | 70-130 | | %Rec | 1 | 9/10/2020 1:55:20 AM |
| Surr: 4-Bromofluorobenzene | 106 | 70-130 | | %Rec | 1 | 9/10/2020 1:55:20 AM |
| Surr: Dibromofluoromethane | 108 | 70-130 | | %Rec | 1 | 9/10/2020 1:55:20 AM |
| Surr: Toluene-d8 | 106 | 70-130 | | %Rec | 1 | 9/10/2020 1:55:20 AM |
| EPA METHOD 8015D MOD: GASOLINE RANGE | | | | | | Analyst: JMR |
| Gasoline Range Organics (GRO) | ND | 4.9 | | mg/Kg | 1 | 9/10/2020 1:55:20 AM |
| Surr: BFB | 105 | 70-130 | | %Rec | 1 | 9/10/2020 1:55:20 AM |

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 Quantitative Limit | RL | Reporting Limit |
| | S | % Recovery outside of range due to dilution or matrix | | |
| | | | | |

Page 1 of 40

Analytical Report

Lab Order 2009394

Date Reported: 9/16/2020

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Pima Environmental Services LLC

Client Sample ID: BG-2

Project: Fed HJ 27 1

Collection Date: 9/3/2020 10:10:00 AM

Lab ID: 2009394-002

Matrix: SOIL

Received Date: 9/5/2020 7:45:00 AM

| Analyses | Result | RL | Qual | Units | DF | Date Analyzed |
|--|--------|----------|------|-------|----|----------------------|
| EPA METHOD 8015M/D: DIESEL RANGE ORGANICS | | | | | | Analyst: BRM |
| Diesel Range Organics (DRO) | ND | 8.6 | | mg/Kg | 1 | 9/9/2020 2:58:36 PM |
| Motor Oil Range Organics (MRO) | ND | 43 | | mg/Kg | 1 | 9/9/2020 2:58:36 PM |
| Surr: DNOP | 115 | 30.4-154 | | %Rec | 1 | 9/9/2020 2:58:36 PM |
| EPA METHOD 300.0: ANIONS | | | | | | Analyst: CAS |
| Chloride | ND | 60 | | mg/Kg | 20 | 9/13/2020 7:16:24 PM |
| EPA METHOD 8260B: VOLATILES SHORT LIST | | | | | | Analyst: JMR |
| Benzene | ND | 0.025 | | mg/Kg | 1 | 9/10/2020 2:23:50 AM |
| Toluene | ND | 0.049 | | mg/Kg | 1 | 9/10/2020 2:23:50 AM |
| Ethylbenzene | ND | 0.049 | | mg/Kg | 1 | 9/10/2020 2:23:50 AM |
| Xylenes, Total | ND | 0.098 | | mg/Kg | 1 | 9/10/2020 2:23:50 AM |
| Surr: 1,2-Dichloroethane-d4 | 93.7 | 70-130 | | %Rec | 1 | 9/10/2020 2:23:50 AM |
| Surr: 4-Bromofluorobenzene | 103 | 70-130 | | %Rec | 1 | 9/10/2020 2:23:50 AM |
| Surr: Dibromofluoromethane | 103 | 70-130 | | %Rec | 1 | 9/10/2020 2:23:50 AM |
| Surr: Toluene-d8 | 102 | 70-130 | | %Rec | 1 | 9/10/2020 2:23:50 AM |
| EPA METHOD 8015D MOD: GASOLINE RANGE | | | | | | Analyst: JMR |
| Gasoline Range Organics (GRO) | ND | 4.9 | | mg/Kg | 1 | 9/10/2020 2:23:50 AM |
| Surr: BFB | 99.2 | 70-130 | | %Rec | 1 | 9/10/2020 2:23:50 AM |

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 Quantitative Limit | RL | Reporting Limit |
| | S | % Recovery outside of range due to dilution or matrix | | |
| | | | | |

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Analytical Report

Lab Order 2009394

Date Reported: 9/16/2020

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Pima Environmental Services LLC

Client Sample ID: BG-3

Project: Fed HJ 27 1

Collection Date: 9/3/2020 10:15:00 AM

Lab ID: 2009394-003

Matrix: SOIL

Received Date: 9/5/2020 7:45:00 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 | 9/9/2020 3:22:30 PM |
| Motor Oil Range Organics (MRO) | ND | 49 | | mg/Kg | 1 | 9/9/2020 3:22:30 PM |
| Surr: DNOP | 100 | 30.4-154 | | %Rec | 1 | 9/9/2020 3:22:30 PM |
| EPA METHOD 300.0: ANIONS | | | | | | Analyst: CAS |
| Chloride | ND | 60 | | mg/Kg | 20 | 9/13/2020 7:53:39 PM |
| EPA METHOD 8260B: VOLATILES SHORT LIST | | | | | | Analyst: JMR |
| Benzene | ND | 0.025 | | mg/Kg | 1 | 9/10/2020 2:52:26 AM |
| Toluene | ND | 0.050 | | mg/Kg | 1 | 9/10/2020 2:52:26 AM |
| Ethylbenzene | ND | 0.050 | | mg/Kg | 1 | 9/10/2020 2:52:26 AM |
| Xylenes, Total | ND | 0.099 | | mg/Kg | 1 | 9/10/2020 2:52:26 AM |
| Surr: 1,2-Dichloroethane-d4 | 93.8 | 70-130 | | %Rec | 1 | 9/10/2020 2:52:26 AM |
| Surr: 4-Bromofluorobenzene | 100 | 70-130 | | %Rec | 1 | 9/10/2020 2:52:26 AM |
| Surr: Dibromofluoromethane | 108 | 70-130 | | %Rec | 1 | 9/10/2020 2:52:26 AM |
| Surr: Toluene-d8 | 104 | 70-130 | | %Rec | 1 | 9/10/2020 2:52:26 AM |
| EPA METHOD 8015D MOD: GASOLINE RANGE | | | | | | Analyst: JMR |
| Gasoline Range Organics (GRO) | ND | 5.0 | | mg/Kg | 1 | 9/10/2020 2:52:26 AM |
| Surr: BFB | 99.8 | 70-130 | | %Rec | 1 | 9/10/2020 2:52:26 AM |

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 Quantitative Limit | RL | Reporting Limit |
| | S | % Recovery outside of range due to dilution or matrix | | |
| | | | | |

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Analytical Report

Lab Order 2009394

Date Reported: 9/16/2020

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Pima Environmental Services LLC

Client Sample ID: S-1 0"-6"

Project: Fed HJ 27 1

Collection Date: 9/3/2020 10:20:00 AM

Lab ID: 2009394-004

Matrix: SOIL

Received Date: 9/5/2020 7:45:00 AM

| Analyses | Result | RL | Qual | Units | DF | Date Analyzed |
|--|--------|----------|------|-------|----|----------------------|
| EPA METHOD 8015M/D: DIESEL RANGE ORGANICS | | | | | | Analyst: BRM |
| Diesel Range Organics (DRO) | ND | 8.6 | | mg/Kg | 1 | 9/9/2020 3:46:29 PM |
| Motor Oil Range Organics (MRO) | ND | 43 | | mg/Kg | 1 | 9/9/2020 3:46:29 PM |
| Surr: DNOP | 146 | 30.4-154 | | %Rec | 1 | 9/9/2020 3:46:29 PM |
| EPA METHOD 300.0: ANIONS | | | | | | Analyst: CAS |
| Chloride | ND | 60 | | mg/Kg | 20 | 9/13/2020 8:06:04 PM |
| EPA METHOD 8260B: VOLATILES SHORT LIST | | | | | | Analyst: JMR |
| Benzene | ND | 0.025 | | mg/Kg | 1 | 9/10/2020 3:20:56 AM |
| Toluene | ND | 0.050 | | mg/Kg | 1 | 9/10/2020 3:20:56 AM |
| Ethylbenzene | ND | 0.050 | | mg/Kg | 1 | 9/10/2020 3:20:56 AM |
| Xylenes, Total | ND | 0.10 | | mg/Kg | 1 | 9/10/2020 3:20:56 AM |
| Surr: 1,2-Dichloroethane-d4 | 94.5 | 70-130 | | %Rec | 1 | 9/10/2020 3:20:56 AM |
| Surr: 4-Bromofluorobenzene | 97.8 | 70-130 | | %Rec | 1 | 9/10/2020 3:20:56 AM |
| Surr: Dibromofluoromethane | 104 | 70-130 | | %Rec | 1 | 9/10/2020 3:20:56 AM |
| Surr: Toluene-d8 | 103 | 70-130 | | %Rec | 1 | 9/10/2020 3:20:56 AM |
| EPA METHOD 8015D MOD: GASOLINE RANGE | | | | | | Analyst: JMR |
| Gasoline Range Organics (GRO) | ND | 5.0 | | mg/Kg | 1 | 9/10/2020 3:20:56 AM |
| Surr: BFB | 99.9 | 70-130 | | %Rec | 1 | 9/10/2020 3:20:56 AM |

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 Quantitative Limit | RL | Reporting Limit |
| | S | % Recovery outside of range due to dilution or matrix | | |
| | | | | |

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Analytical Report

Lab Order 2009394

Date Reported: 9/16/2020

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Pima Environmental Services LLC

Client Sample ID: S-1 1'

Project: Fed HJ 27 1

Collection Date: 9/3/2020 10:25:00 AM

Lab ID: 2009394-005

Matrix: SOIL

Received Date: 9/5/2020 7:45:00 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 | 9/9/2020 4:10:28 PM |
| Motor Oil Range Organics (MRO) | ND | 47 | | mg/Kg | 1 | 9/9/2020 4:10:28 PM |
| Surr: DNOP | 127 | 30.4-154 | | %Rec | 1 | 9/9/2020 4:10:28 PM |
| EPA METHOD 300.0: ANIONS | | | | | | Analyst: CAS |
| Chloride | ND | 60 | | mg/Kg | 20 | 9/13/2020 8:18:28 PM |
| EPA METHOD 8260B: VOLATILES SHORT LIST | | | | | | Analyst: JMR |
| Benzene | ND | 0.025 | | mg/Kg | 1 | 9/10/2020 3:49:27 AM |
| Toluene | ND | 0.049 | | mg/Kg | 1 | 9/10/2020 3:49:27 AM |
| Ethylbenzene | ND | 0.049 | | mg/Kg | 1 | 9/10/2020 3:49:27 AM |
| Xylenes, Total | ND | 0.099 | | mg/Kg | 1 | 9/10/2020 3:49:27 AM |
| Surr: 1,2-Dichloroethane-d4 | 93.9 | 70-130 | | %Rec | 1 | 9/10/2020 3:49:27 AM |
| Surr: 4-Bromofluorobenzene | 103 | 70-130 | | %Rec | 1 | 9/10/2020 3:49:27 AM |
| Surr: Dibromofluoromethane | 105 | 70-130 | | %Rec | 1 | 9/10/2020 3:49:27 AM |
| Surr: Toluene-d8 | 103 | 70-130 | | %Rec | 1 | 9/10/2020 3:49:27 AM |
| EPA METHOD 8015D MOD: GASOLINE RANGE | | | | | | Analyst: JMR |
| Gasoline Range Organics (GRO) | ND | 4.9 | | mg/Kg | 1 | 9/10/2020 3:49:27 AM |
| Surr: BFB | 102 | 70-130 | | %Rec | 1 | 9/10/2020 3:49:27 AM |

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 Quantitative Limit | RL | Reporting Limit |
| | S | % Recovery outside of range due to dilution or matrix | | |
| | | | | |

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Analytical Report

Lab Order 2009394

Date Reported: 9/16/2020

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Pima Environmental Services LLC

Client Sample ID: S-1 2'

Project: Fed HJ 27 1

Collection Date: 9/3/2020 10:30:00 AM

Lab ID: 2009394-006

Matrix: SOIL

Received Date: 9/5/2020 7:45:00 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 | 9/9/2020 4:34:29 PM |
| Motor Oil Range Organics (MRO) | ND | 47 | | mg/Kg | 1 | 9/9/2020 4:34:29 PM |
| Surr: DNOP | 108 | 30.4-154 | | %Rec | 1 | 9/9/2020 4:34:29 PM |
| EPA METHOD 300.0: ANIONS | | | | | | Analyst: CAS |
| Chloride | ND | 60 | | mg/Kg | 20 | 9/13/2020 8:30:53 PM |
| EPA METHOD 8260B: VOLATILES SHORT LIST | | | | | | Analyst: JMR |
| Benzene | ND | 0.024 | | mg/Kg | 1 | 9/10/2020 4:17:57 AM |
| Toluene | ND | 0.049 | | mg/Kg | 1 | 9/10/2020 4:17:57 AM |
| Ethylbenzene | ND | 0.049 | | mg/Kg | 1 | 9/10/2020 4:17:57 AM |
| Xylenes, Total | ND | 0.097 | | mg/Kg | 1 | 9/10/2020 4:17:57 AM |
| Surr: 1,2-Dichloroethane-d4 | 96.4 | 70-130 | | %Rec | 1 | 9/10/2020 4:17:57 AM |
| Surr: 4-Bromofluorobenzene | 98.7 | 70-130 | | %Rec | 1 | 9/10/2020 4:17:57 AM |
| Surr: Dibromofluoromethane | 110 | 70-130 | | %Rec | 1 | 9/10/2020 4:17:57 AM |
| Surr: Toluene-d8 | 103 | 70-130 | | %Rec | 1 | 9/10/2020 4:17:57 AM |
| EPA METHOD 8015D MOD: GASOLINE RANGE | | | | | | Analyst: JMR |
| Gasoline Range Organics (GRO) | ND | 4.9 | | mg/Kg | 1 | 9/10/2020 4:17:57 AM |
| Surr: BFB | 97.7 | 70-130 | | %Rec | 1 | 9/10/2020 4:17:57 AM |

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

| | | | | |
|--------------------|-----|---|----|---|
| Qualifiers: | * | Value exceeds Maximum Contaminant Level. | 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 Quantitative Limit | RL | Reporting Limit |
| | S | % Recovery outside of range due to dilution or matrix | | |
| | | | | |

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Analytical Report

Lab Order 2009394

Date Reported: 9/16/2020

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Pima Environmental Services LLC

Client Sample ID: S-1 3'

Project: Fed HJ 27 1

Collection Date: 9/3/2020 10:35:00 AM

Lab ID: 2009394-007

Matrix: SOIL

Received Date: 9/5/2020 7:45:00 AM

| Analyses | Result | RL | Qual | Units | DF | Date Analyzed |
|--|--------|----------|------|-------|----|----------------------|
| EPA METHOD 8015M/D: DIESEL RANGE ORGANICS | | | | | | Analyst: BRM |
| Diesel Range Organics (DRO) | ND | 8.9 | | mg/Kg | 1 | 9/9/2020 4:58:17 PM |
| Motor Oil Range Organics (MRO) | ND | 44 | | mg/Kg | 1 | 9/9/2020 4:58:17 PM |
| Surr: DNOP | 91.4 | 30.4-154 | | %Rec | 1 | 9/9/2020 4:58:17 PM |
| EPA METHOD 300.0: ANIONS | | | | | | Analyst: CAS |
| Chloride | ND | 60 | | mg/Kg | 20 | 9/13/2020 8:43:17 PM |
| EPA METHOD 8260B: VOLATILES SHORT LIST | | | | | | Analyst: JMR |
| Benzene | ND | 0.025 | | mg/Kg | 1 | 9/10/2020 4:46:27 AM |
| Toluene | ND | 0.049 | | mg/Kg | 1 | 9/10/2020 4:46:27 AM |
| Ethylbenzene | ND | 0.049 | | mg/Kg | 1 | 9/10/2020 4:46:27 AM |
| Xylenes, Total | ND | 0.098 | | mg/Kg | 1 | 9/10/2020 4:46:27 AM |
| Surr: 1,2-Dichloroethane-d4 | 94.6 | 70-130 | | %Rec | 1 | 9/10/2020 4:46:27 AM |
| Surr: 4-Bromofluorobenzene | 105 | 70-130 | | %Rec | 1 | 9/10/2020 4:46:27 AM |
| Surr: Dibromofluoromethane | 105 | 70-130 | | %Rec | 1 | 9/10/2020 4:46:27 AM |
| Surr: Toluene-d8 | 102 | 70-130 | | %Rec | 1 | 9/10/2020 4:46:27 AM |
| EPA METHOD 8015D MOD: GASOLINE RANGE | | | | | | Analyst: JMR |
| Gasoline Range Organics (GRO) | ND | 4.9 | | mg/Kg | 1 | 9/10/2020 4:46:27 AM |
| Surr: BFB | 101 | 70-130 | | %Rec | 1 | 9/10/2020 4:46:27 AM |

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 Quantitative Limit | RL | Reporting Limit |
| | S | % Recovery outside of range due to dilution or matrix | | |
| | | | | |

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Analytical Report

Lab Order 2009394

Date Reported: 9/16/2020

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Pima Environmental Services LLC

Client Sample ID: S-2 0"-6"

Project: Fed HJ 27 1

Collection Date: 9/3/2020 10:40:00 AM

Lab ID: 2009394-008

Matrix: SOIL

Received Date: 9/5/2020 7:45:00 AM

| Analyses | Result | RL | Qual | Units | DF | Date Analyzed |
|--|--------|----------|------|-------|----|----------------------|
| EPA METHOD 8015M/D: DIESEL RANGE ORGANICS | | | | | | Analyst: BRM |
| Diesel Range Organics (DRO) | ND | 9.2 | | mg/Kg | 1 | 9/9/2020 5:22:17 PM |
| Motor Oil Range Organics (MRO) | ND | 46 | | mg/Kg | 1 | 9/9/2020 5:22:17 PM |
| Surr: DNOP | 96.8 | 30.4-154 | | %Rec | 1 | 9/9/2020 5:22:17 PM |
| EPA METHOD 300.0: ANIONS | | | | | | Analyst: CAS |
| Chloride | 470 | 60 | | mg/Kg | 20 | 9/13/2020 9:20:31 PM |
| EPA METHOD 8260B: VOLATILES SHORT LIST | | | | | | Analyst: JMR |
| Benzene | ND | 0.025 | | mg/Kg | 1 | 9/10/2020 5:14:59 AM |
| Toluene | ND | 0.049 | | mg/Kg | 1 | 9/10/2020 5:14:59 AM |
| Ethylbenzene | ND | 0.049 | | mg/Kg | 1 | 9/10/2020 5:14:59 AM |
| Xylenes, Total | ND | 0.099 | | mg/Kg | 1 | 9/10/2020 5:14:59 AM |
| Surr: 1,2-Dichloroethane-d4 | 89.0 | 70-130 | | %Rec | 1 | 9/10/2020 5:14:59 AM |
| Surr: 4-Bromofluorobenzene | 102 | 70-130 | | %Rec | 1 | 9/10/2020 5:14:59 AM |
| Surr: Dibromofluoromethane | 107 | 70-130 | | %Rec | 1 | 9/10/2020 5:14:59 AM |
| Surr: Toluene-d8 | 104 | 70-130 | | %Rec | 1 | 9/10/2020 5:14:59 AM |
| EPA METHOD 8015D MOD: GASOLINE RANGE | | | | | | Analyst: JMR |
| Gasoline Range Organics (GRO) | ND | 4.9 | | mg/Kg | 1 | 9/10/2020 5:14:59 AM |
| Surr: BFB | 102 | 70-130 | | %Rec | 1 | 9/10/2020 5:14:59 AM |

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

| | | | | |
|--------------------|-----|---|----|---|
| Qualifiers: | * | Value exceeds Maximum Contaminant Level. | 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 Quantitative Limit | RL | Reporting Limit |
| | S | % Recovery outside of range due to dilution or matrix | | |
| | | | | |

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Analytical Report

Lab Order 2009394

Date Reported: 9/16/2020

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Pima Environmental Services LLC

Client Sample ID: S-2 1'

Project: Fed HJ 27 1

Collection Date: 9/3/2020 10:45:00 AM

Lab ID: 2009394-009

Matrix: SOIL

Received Date: 9/5/2020 7:45:00 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 | 9/9/2020 5:46:05 PM |
| Motor Oil Range Organics (MRO) | ND | 47 | | mg/Kg | 1 | 9/9/2020 5:46:05 PM |
| Surr: DNOP | 118 | 30.4-154 | | %Rec | 1 | 9/9/2020 5:46:05 PM |
| EPA METHOD 300.0: ANIONS | | | | | | Analyst: CAS |
| Chloride | 300 | 60 | | mg/Kg | 20 | 9/13/2020 9:32:55 PM |
| EPA METHOD 8260B: VOLATILES SHORT LIST | | | | | | Analyst: JMR |
| Benzene | ND | 0.025 | | mg/Kg | 1 | 9/10/2020 5:43:30 AM |
| Toluene | ND | 0.049 | | mg/Kg | 1 | 9/10/2020 5:43:30 AM |
| Ethylbenzene | ND | 0.049 | | mg/Kg | 1 | 9/10/2020 5:43:30 AM |
| Xylenes, Total | ND | 0.099 | | mg/Kg | 1 | 9/10/2020 5:43:30 AM |
| Surr: 1,2-Dichloroethane-d4 | 87.3 | 70-130 | | %Rec | 1 | 9/10/2020 5:43:30 AM |
| Surr: 4-Bromofluorobenzene | 103 | 70-130 | | %Rec | 1 | 9/10/2020 5:43:30 AM |
| Surr: Dibromofluoromethane | 104 | 70-130 | | %Rec | 1 | 9/10/2020 5:43:30 AM |
| Surr: Toluene-d8 | 105 | 70-130 | | %Rec | 1 | 9/10/2020 5:43:30 AM |
| EPA METHOD 8015D MOD: GASOLINE RANGE | | | | | | Analyst: JMR |
| Gasoline Range Organics (GRO) | ND | 4.9 | | mg/Kg | 1 | 9/10/2020 5:43:30 AM |
| Surr: BFB | 105 | 70-130 | | %Rec | 1 | 9/10/2020 5:43:30 AM |

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 Quantitative Limit | RL | Reporting Limit |
| | S | % Recovery outside of range due to dilution or matrix | | |
| | | | | |

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Analytical Report

Lab Order 2009394

Date Reported: 9/16/2020

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Pima Environmental Services LLC

Client Sample ID: S-2 2'

Project: Fed HJ 27 1

Collection Date: 9/3/2020 10:50:00 AM

Lab ID: 2009394-010

Matrix: SOIL

Received Date: 9/5/2020 7:45:00 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 | 9/9/2020 6:10:00 PM |
| Motor Oil Range Organics (MRO) | ND | 49 | | mg/Kg | 1 | 9/9/2020 6:10:00 PM |
| Surr: DNOP | 114 | 30.4-154 | | %Rec | 1 | 9/9/2020 6:10:00 PM |
| EPA METHOD 300.0: ANIONS | | | | | | Analyst: CAS |
| Chloride | 590 | 61 | | mg/Kg | 20 | 9/13/2020 9:45:20 PM |
| EPA METHOD 8260B: VOLATILES SHORT LIST | | | | | | Analyst: JMR |
| Benzene | ND | 0.024 | | mg/Kg | 1 | 9/10/2020 6:12:00 AM |
| Toluene | ND | 0.049 | | mg/Kg | 1 | 9/10/2020 6:12:00 AM |
| Ethylbenzene | ND | 0.049 | | mg/Kg | 1 | 9/10/2020 6:12:00 AM |
| Xylenes, Total | ND | 0.097 | | mg/Kg | 1 | 9/10/2020 6:12:00 AM |
| Surr: 1,2-Dichloroethane-d4 | 94.7 | 70-130 | | %Rec | 1 | 9/10/2020 6:12:00 AM |
| Surr: 4-Bromofluorobenzene | 101 | 70-130 | | %Rec | 1 | 9/10/2020 6:12:00 AM |
| Surr: Dibromofluoromethane | 110 | 70-130 | | %Rec | 1 | 9/10/2020 6:12:00 AM |
| Surr: Toluene-d8 | 104 | 70-130 | | %Rec | 1 | 9/10/2020 6:12:00 AM |
| EPA METHOD 8015D MOD: GASOLINE RANGE | | | | | | Analyst: JMR |
| Gasoline Range Organics (GRO) | ND | 4.9 | | mg/Kg | 1 | 9/10/2020 6:12:00 AM |
| Surr: BFB | 101 | 70-130 | | %Rec | 1 | 9/10/2020 6:12:00 AM |

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 Quantitative Limit | RL | Reporting Limit |
| | S | % Recovery outside of range due to dilution or matrix | | |
| | | | | |

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Analytical Report

Lab Order 2009394

Date Reported: 9/16/2020

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Pima Environmental Services LLC

Client Sample ID: S-2 3'

Project: Fed HJ 27 1

Collection Date: 9/3/2020 10:55:00 AM

Lab ID: 2009394-011

Matrix: SOIL

Received Date: 9/5/2020 7:45:00 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 | 9/9/2020 6:33:54 PM |
| Motor Oil Range Organics (MRO) | ND | 49 | | mg/Kg | 1 | 9/9/2020 6:33:54 PM |
| Surr: DNOP | 97.6 | 30.4-154 | | %Rec | 1 | 9/9/2020 6:33:54 PM |
| EPA METHOD 300.0: ANIONS | | | | | | Analyst: CAS |
| Chloride | 940 | 60 | | mg/Kg | 20 | 9/13/2020 9:57:44 PM |
| EPA METHOD 8260B: VOLATILES SHORT LIST | | | | | | Analyst: JMR |
| Benzene | ND | 0.025 | | mg/Kg | 1 | 9/10/2020 6:40:32 AM |
| Toluene | ND | 0.049 | | mg/Kg | 1 | 9/10/2020 6:40:32 AM |
| Ethylbenzene | ND | 0.049 | | mg/Kg | 1 | 9/10/2020 6:40:32 AM |
| Xylenes, Total | ND | 0.098 | | mg/Kg | 1 | 9/10/2020 6:40:32 AM |
| Surr: 1,2-Dichloroethane-d4 | 96.6 | 70-130 | | %Rec | 1 | 9/10/2020 6:40:32 AM |
| Surr: 4-Bromofluorobenzene | 98.7 | 70-130 | | %Rec | 1 | 9/10/2020 6:40:32 AM |
| Surr: Dibromofluoromethane | 111 | 70-130 | | %Rec | 1 | 9/10/2020 6:40:32 AM |
| Surr: Toluene-d8 | 103 | 70-130 | | %Rec | 1 | 9/10/2020 6:40:32 AM |
| EPA METHOD 8015D MOD: GASOLINE RANGE | | | | | | Analyst: JMR |
| Gasoline Range Organics (GRO) | ND | 4.9 | | mg/Kg | 1 | 9/10/2020 6:40:32 AM |
| Surr: BFB | 97.7 | 70-130 | | %Rec | 1 | 9/10/2020 6:40:32 AM |

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 Quantitative Limit | RL | Reporting Limit |
| | S | % Recovery outside of range due to dilution or matrix | | |
| | | | | |

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Analytical Report

Lab Order 2009394

Date Reported: 9/16/2020

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Pima Environmental Services LLC

Client Sample ID: S-3 0"-6"

Project: Fed HJ 27 1

Collection Date: 9/3/2020 11:00:00 AM

Lab ID: 2009394-012

Matrix: SOIL

Received Date: 9/5/2020 7:45:00 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 | 9/9/2020 6:57:52 PM |
| Motor Oil Range Organics (MRO) | ND | 49 | | mg/Kg | 1 | 9/9/2020 6:57:52 PM |
| Surr: DNOP | 130 | 30.4-154 | | %Rec | 1 | 9/9/2020 6:57:52 PM |
| EPA METHOD 300.0: ANIONS | | | | | | Analyst: CAS |
| Chloride | ND | 60 | | mg/Kg | 20 | 9/13/2020 10:10:08 PM |
| EPA METHOD 8260B: VOLATILES SHORT LIST | | | | | | Analyst: JMR |
| Benzene | ND | 0.025 | | mg/Kg | 1 | 9/10/2020 7:09:05 AM |
| Toluene | ND | 0.049 | | mg/Kg | 1 | 9/10/2020 7:09:05 AM |
| Ethylbenzene | ND | 0.049 | | mg/Kg | 1 | 9/10/2020 7:09:05 AM |
| Xylenes, Total | ND | 0.098 | | mg/Kg | 1 | 9/10/2020 7:09:05 AM |
| Surr: 1,2-Dichloroethane-d4 | 93.7 | 70-130 | | %Rec | 1 | 9/10/2020 7:09:05 AM |
| Surr: 4-Bromofluorobenzene | 102 | 70-130 | | %Rec | 1 | 9/10/2020 7:09:05 AM |
| Surr: Dibromofluoromethane | 107 | 70-130 | | %Rec | 1 | 9/10/2020 7:09:05 AM |
| Surr: Toluene-d8 | 102 | 70-130 | | %Rec | 1 | 9/10/2020 7:09:05 AM |
| EPA METHOD 8015D MOD: GASOLINE RANGE | | | | | | Analyst: JMR |
| Gasoline Range Organics (GRO) | ND | 4.9 | | mg/Kg | 1 | 9/10/2020 7:09:05 AM |
| Surr: BFB | 97.9 | 70-130 | | %Rec | 1 | 9/10/2020 7:09:05 AM |

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 Quantitative Limit | RL | Reporting Limit |
| | S | % Recovery outside of range due to dilution or matrix | | |
| | | | | |

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Analytical Report

Lab Order 2009394

Date Reported: 9/16/2020

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Pima Environmental Services LLC

Client Sample ID: S-3 1'

Project: Fed HJ 27 1

Collection Date: 9/3/2020 11:05:00 AM

Lab ID: 2009394-013

Matrix: SOIL

Received Date: 9/5/2020 7:45:00 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 | 9/9/2020 7:21:42 PM |
| Motor Oil Range Organics (MRO) | ND | 46 | | mg/Kg | 1 | 9/9/2020 7:21:42 PM |
| Surr: DNOP | 164 | 30.4-154 | S | %Rec | 1 | 9/9/2020 7:21:42 PM |
| EPA METHOD 300.0: ANIONS | | | | | | Analyst: CAS |
| Chloride | ND | 60 | | mg/Kg | 20 | 9/13/2020 10:22:33 PM |
| EPA METHOD 8260B: VOLATILES SHORT LIST | | | | | | Analyst: JMR |
| Benzene | ND | 0.025 | | mg/Kg | 1 | 9/10/2020 7:37:38 AM |
| Toluene | ND | 0.050 | | mg/Kg | 1 | 9/10/2020 7:37:38 AM |
| Ethylbenzene | ND | 0.050 | | mg/Kg | 1 | 9/10/2020 7:37:38 AM |
| Xylenes, Total | ND | 0.10 | | mg/Kg | 1 | 9/10/2020 7:37:38 AM |
| Surr: 1,2-Dichloroethane-d4 | 94.7 | 70-130 | | %Rec | 1 | 9/10/2020 7:37:38 AM |
| Surr: 4-Bromofluorobenzene | 101 | 70-130 | | %Rec | 1 | 9/10/2020 7:37:38 AM |
| Surr: Dibromofluoromethane | 105 | 70-130 | | %Rec | 1 | 9/10/2020 7:37:38 AM |
| Surr: Toluene-d8 | 104 | 70-130 | | %Rec | 1 | 9/10/2020 7:37:38 AM |
| EPA METHOD 8015D MOD: GASOLINE RANGE | | | | | | Analyst: JMR |
| Gasoline Range Organics (GRO) | ND | 5.0 | | mg/Kg | 1 | 9/10/2020 7:37:38 AM |
| Surr: BFB | 101 | 70-130 | | %Rec | 1 | 9/10/2020 7:37:38 AM |

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 Quantitative Limit | RL | Reporting Limit |
| | S | % Recovery outside of range due to dilution or matrix | | |
| | | | | |

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Analytical Report

Lab Order 2009394

Date Reported: 9/16/2020

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Pima Environmental Services LLC

Client Sample ID: S-3 2'

Project: Fed HJ 27 1

Collection Date: 9/3/2020 11:10:00 AM

Lab ID: 2009394-014

Matrix: SOIL

Received Date: 9/5/2020 7:45:00 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 | 9/10/2020 12:14:58 PM |
| Motor Oil Range Organics (MRO) | ND | 49 | | mg/Kg | 1 | 9/10/2020 12:14:58 PM |
| Surr: DNOP | 120 | 30.4-154 | | %Rec | 1 | 9/10/2020 12:14:58 PM |
| EPA METHOD 8015D: GASOLINE RANGE | | | | | | Analyst: RAA |
| Gasoline Range Organics (GRO) | ND | 5.0 | | mg/Kg | 1 | 9/10/2020 1:50:02 PM |
| Surr: BFB | 93.6 | 75.3-105 | | %Rec | 1 | 9/10/2020 1:50:02 PM |
| EPA METHOD 8021B: VOLATILES | | | | | | Analyst: RAA |
| Benzene | ND | 0.025 | | mg/Kg | 1 | 9/10/2020 1:50:02 PM |
| Toluene | ND | 0.050 | | mg/Kg | 1 | 9/10/2020 1:50:02 PM |
| Ethylbenzene | ND | 0.050 | | mg/Kg | 1 | 9/10/2020 1:50:02 PM |
| Xylenes, Total | ND | 0.10 | | mg/Kg | 1 | 9/10/2020 1:50:02 PM |
| Surr: 4-Bromofluorobenzene | 101 | 80-120 | | %Rec | 1 | 9/10/2020 1:50:02 PM |
| EPA METHOD 300.0: ANIONS | | | | | | Analyst: CAS |
| Chloride | ND | 60 | | mg/Kg | 20 | 9/13/2020 10:34:57 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 Quantitative Limit | RL | Reporting Limit |
| | S | % Recovery outside of range due to dilution or matrix | | |
| | | | | |

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Analytical Report

Lab Order 2009394

Date Reported: 9/16/2020

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Pima Environmental Services LLC

Client Sample ID: S-3 3'

Project: Fed HJ 27 1

Collection Date: 9/3/2020 11:15:00 AM

Lab ID: 2009394-015

Matrix: SOIL

Received Date: 9/5/2020 7:45:00 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 | 9/10/2020 1:27:12 PM |
| Motor Oil Range Organics (MRO) | ND | 49 | | mg/Kg | 1 | 9/10/2020 1:27:12 PM |
| Surr: DNOP | 114 | 30.4-154 | | %Rec | 1 | 9/10/2020 1:27:12 PM |
| EPA METHOD 8015D: GASOLINE RANGE | | | | | | Analyst: RAA |
| Gasoline Range Organics (GRO) | ND | 5.0 | | mg/Kg | 1 | 9/10/2020 3:00:24 PM |
| Surr: BFB | 92.8 | 75.3-105 | | %Rec | 1 | 9/10/2020 3:00:24 PM |
| EPA METHOD 8021B: VOLATILES | | | | | | Analyst: RAA |
| Benzene | ND | 0.025 | | mg/Kg | 1 | 9/10/2020 3:00:24 PM |
| Toluene | ND | 0.050 | | mg/Kg | 1 | 9/10/2020 3:00:24 PM |
| Ethylbenzene | ND | 0.050 | | mg/Kg | 1 | 9/10/2020 3:00:24 PM |
| Xylenes, Total | ND | 0.099 | | mg/Kg | 1 | 9/10/2020 3:00:24 PM |
| Surr: 4-Bromofluorobenzene | 102 | 80-120 | | %Rec | 1 | 9/10/2020 3:00:24 PM |
| EPA METHOD 300.0: ANIONS | | | | | | Analyst: CAS |
| Chloride | ND | 60 | | mg/Kg | 20 | 9/13/2020 10:47:22 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 Quantitative Limit | RL | Reporting Limit |
| | S | % Recovery outside of range due to dilution or matrix | | |
| | | | | |

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Analytical Report

Lab Order 2009394

Date Reported: 9/16/2020

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Pima Environmental Services LLC

Client Sample ID: S-4 0"-6"

Project: Fed HJ 27 1

Collection Date: 9/3/2020 11:20:00 AM

Lab ID: 2009394-016

Matrix: SOIL

Received Date: 9/5/2020 7:45:00 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 | 9/10/2020 1:51:20 PM |
| Motor Oil Range Organics (MRO) | ND | 47 | | mg/Kg | 1 | 9/10/2020 1:51:20 PM |
| Surr: DNOP | 115 | 30.4-154 | | %Rec | 1 | 9/10/2020 1:51:20 PM |
| EPA METHOD 8015D: GASOLINE RANGE | | | | | | Analyst: RAA |
| Gasoline Range Organics (GRO) | ND | 4.9 | | mg/Kg | 1 | 9/10/2020 4:10:25 PM |
| Surr: BFB | 93.2 | 75.3-105 | | %Rec | 1 | 9/10/2020 4:10:25 PM |
| EPA METHOD 8021B: VOLATILES | | | | | | Analyst: RAA |
| Benzene | ND | 0.025 | | mg/Kg | 1 | 9/10/2020 4:10:25 PM |
| Toluene | ND | 0.049 | | mg/Kg | 1 | 9/10/2020 4:10:25 PM |
| Ethylbenzene | ND | 0.049 | | mg/Kg | 1 | 9/10/2020 4:10:25 PM |
| Xylenes, Total | ND | 0.098 | | mg/Kg | 1 | 9/10/2020 4:10:25 PM |
| Surr: 4-Bromofluorobenzene | 102 | 80-120 | | %Rec | 1 | 9/10/2020 4:10:25 PM |
| EPA METHOD 300.0: ANIONS | | | | | | Analyst: CAS |
| Chloride | ND | 60 | | mg/Kg | 20 | 9/13/2020 10:59:47 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 Quantitative Limit | RL | Reporting Limit |
| | S | % Recovery outside of range due to dilution or matrix | | |
| | | | | |

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Analytical Report

Lab Order 2009394

Date Reported: 9/16/2020

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Pima Environmental Services LLC

Client Sample ID: S-4 1'

Project: Fed HJ 27 1

Collection Date: 9/3/2020 11:25:00 AM

Lab ID: 2009394-017

Matrix: SOIL

Received Date: 9/5/2020 7:45:00 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 | 9/10/2020 2:15:15 PM |
| Motor Oil Range Organics (MRO) | ND | 48 | | mg/Kg | 1 | 9/10/2020 2:15:15 PM |
| Surr: DNOP | 136 | 30.4-154 | | %Rec | 1 | 9/10/2020 2:15:15 PM |
| EPA METHOD 8015D: GASOLINE RANGE | | | | | | Analyst: RAA |
| Gasoline Range Organics (GRO) | ND | 5.0 | | mg/Kg | 1 | 9/10/2020 4:33:56 PM |
| Surr: BFB | 93.8 | 75.3-105 | | %Rec | 1 | 9/10/2020 4:33:56 PM |
| EPA METHOD 8021B: VOLATILES | | | | | | Analyst: RAA |
| Benzene | ND | 0.025 | | mg/Kg | 1 | 9/10/2020 4:33:56 PM |
| Toluene | ND | 0.050 | | mg/Kg | 1 | 9/10/2020 4:33:56 PM |
| Ethylbenzene | ND | 0.050 | | mg/Kg | 1 | 9/10/2020 4:33:56 PM |
| Xylenes, Total | ND | 0.10 | | mg/Kg | 1 | 9/10/2020 4:33:56 PM |
| Surr: 4-Bromofluorobenzene | 101 | 80-120 | | %Rec | 1 | 9/10/2020 4:33:56 PM |
| EPA METHOD 300.0: ANIONS | | | | | | Analyst: CAS |
| Chloride | ND | 60 | | mg/Kg | 20 | 9/13/2020 11:12:11 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 Quantitative Limit | RL | Reporting Limit |
| | S | % Recovery outside of range due to dilution or matrix | | |
| | | | | |

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Analytical Report

Lab Order 2009394

Date Reported: 9/16/2020

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Pima Environmental Services LLC

Client Sample ID: S-4 2'

Project: Fed HJ 27 1

Collection Date: 9/3/2020 11:30:00 AM

Lab ID: 2009394-018

Matrix: SOIL

Received Date: 9/5/2020 7:45:00 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 | 9/10/2020 3:28:27 PM |
| Motor Oil Range Organics (MRO) | ND | 48 | | mg/Kg | 1 | 9/10/2020 3:28:27 PM |
| Surr: DNOP | 105 | 30.4-154 | | %Rec | 1 | 9/10/2020 3:28:27 PM |
| EPA METHOD 8015D: GASOLINE RANGE | | | | | | Analyst: RAA |
| Gasoline Range Organics (GRO) | ND | 4.9 | | mg/Kg | 1 | 9/10/2020 4:57:24 PM |
| Surr: BFB | 91.4 | 75.3-105 | | %Rec | 1 | 9/10/2020 4:57:24 PM |
| EPA METHOD 8021B: VOLATILES | | | | | | Analyst: RAA |
| Benzene | ND | 0.025 | | mg/Kg | 1 | 9/10/2020 4:57:24 PM |
| Toluene | ND | 0.049 | | mg/Kg | 1 | 9/10/2020 4:57:24 PM |
| Ethylbenzene | ND | 0.049 | | mg/Kg | 1 | 9/10/2020 4:57:24 PM |
| Xylenes, Total | ND | 0.099 | | mg/Kg | 1 | 9/10/2020 4:57:24 PM |
| Surr: 4-Bromofluorobenzene | 99.6 | 80-120 | | %Rec | 1 | 9/10/2020 4:57:24 PM |
| EPA METHOD 300.0: ANIONS | | | | | | Analyst: CAS |
| Chloride | ND | 60 | | mg/Kg | 20 | 9/13/2020 11:49:25 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 Quantitative Limit | RL | Reporting Limit |
| | S | % Recovery outside of range due to dilution or matrix | | |
| | | | | |

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Analytical Report

Lab Order 2009394

Date Reported: 9/16/2020

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Pima Environmental Services LLC

Client Sample ID: S-4 3'

Project: Fed HJ 27 1

Collection Date: 9/3/2020 11:35:00 AM

Lab ID: 2009394-019

Matrix: SOIL

Received Date: 9/5/2020 7:45:00 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 | 9/10/2020 4:39:37 PM |
| Motor Oil Range Organics (MRO) | ND | 47 | | mg/Kg | 1 | 9/10/2020 4:39:37 PM |
| Surr: DNOP | 108 | 30.4-154 | | %Rec | 1 | 9/10/2020 4:39:37 PM |
| EPA METHOD 8015D: GASOLINE RANGE | | | | | | Analyst: RAA |
| Gasoline Range Organics (GRO) | ND | 5.0 | | mg/Kg | 1 | 9/10/2020 5:20:44 PM |
| Surr: BFB | 92.6 | 75.3-105 | | %Rec | 1 | 9/10/2020 5:20:44 PM |
| EPA METHOD 8021B: VOLATILES | | | | | | Analyst: RAA |
| Benzene | ND | 0.025 | | mg/Kg | 1 | 9/10/2020 5:20:44 PM |
| Toluene | ND | 0.050 | | mg/Kg | 1 | 9/10/2020 5:20:44 PM |
| Ethylbenzene | ND | 0.050 | | mg/Kg | 1 | 9/10/2020 5:20:44 PM |
| Xylenes, Total | ND | 0.10 | | mg/Kg | 1 | 9/10/2020 5:20:44 PM |
| Surr: 4-Bromofluorobenzene | 101 | 80-120 | | %Rec | 1 | 9/10/2020 5:20:44 PM |
| EPA METHOD 300.0: ANIONS | | | | | | Analyst: CAS |
| Chloride | ND | 60 | | mg/Kg | 20 | 9/14/2020 12:01:50 AM |

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 Quantitative Limit | RL | Reporting Limit |
| | S | % Recovery outside of range due to dilution or matrix | | |
| | | | | |

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Analytical Report

Lab Order 2009394

Date Reported: 9/16/2020

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Pima Environmental Services LLC

Client Sample ID: S-5 0"-6"

Project: Fed HJ 27 1

Collection Date: 9/3/2020 11:40:00 AM

Lab ID: 2009394-020

Matrix: SOIL

Received Date: 9/5/2020 7:45:00 AM

| Analyses | Result | RL | Qual | Units | DF | Date Analyzed |
|--|--------|----------|------|-------|----|-----------------------|
| EPA METHOD 8015M/D: DIESEL RANGE ORGANICS | | | | | | Analyst: BRM |
| Diesel Range Organics (DRO) | ND | 9.9 | | mg/Kg | 1 | 9/10/2020 5:03:23 PM |
| Motor Oil Range Organics (MRO) | ND | 49 | | mg/Kg | 1 | 9/10/2020 5:03:23 PM |
| Surr: DNOP | 95.9 | 30.4-154 | | %Rec | 1 | 9/10/2020 5:03:23 PM |
| EPA METHOD 8015D: GASOLINE RANGE | | | | | | Analyst: RAA |
| Gasoline Range Organics (GRO) | ND | 4.9 | | mg/Kg | 1 | 9/10/2020 5:44:09 PM |
| Surr: BFB | 91.9 | 75.3-105 | | %Rec | 1 | 9/10/2020 5:44:09 PM |
| EPA METHOD 8021B: VOLATILES | | | | | | Analyst: RAA |
| Benzene | ND | 0.025 | | mg/Kg | 1 | 9/10/2020 5:44:09 PM |
| Toluene | ND | 0.049 | | mg/Kg | 1 | 9/10/2020 5:44:09 PM |
| Ethylbenzene | ND | 0.049 | | mg/Kg | 1 | 9/10/2020 5:44:09 PM |
| Xylenes, Total | ND | 0.098 | | mg/Kg | 1 | 9/10/2020 5:44:09 PM |
| Surr: 4-Bromofluorobenzene | 100 | 80-120 | | %Rec | 1 | 9/10/2020 5:44:09 PM |
| EPA METHOD 300.0: ANIONS | | | | | | Analyst: CAS |
| Chloride | ND | 60 | | mg/Kg | 20 | 9/14/2020 12:14:14 AM |

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 Quantitative Limit | RL | Reporting Limit |
| | S | % Recovery outside of range due to dilution or matrix | | |
| | | | | |

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Analytical Report

Lab Order 2009394

Date Reported: 9/16/2020

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Pima Environmental Services LLC

Client Sample ID: S-5 1'

Project: Fed HJ 27 1

Collection Date: 9/3/2020 11:45:00 AM

Lab ID: 2009394-021

Matrix: SOIL

Received Date: 9/5/2020 7:45:00 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 | 9/10/2020 5:26:55 PM |
| Motor Oil Range Organics (MRO) | ND | 47 | | mg/Kg | 1 | 9/10/2020 5:26:55 PM |
| Surr: DNOP | 97.4 | 30.4-154 | | %Rec | 1 | 9/10/2020 5:26:55 PM |
| EPA METHOD 8015D: GASOLINE RANGE | | | | | | Analyst: RAA |
| Gasoline Range Organics (GRO) | ND | 4.9 | | mg/Kg | 1 | 9/10/2020 6:07:28 PM |
| Surr: BFB | 91.4 | 75.3-105 | | %Rec | 1 | 9/10/2020 6:07:28 PM |
| EPA METHOD 8021B: VOLATILES | | | | | | Analyst: RAA |
| Benzene | ND | 0.025 | | mg/Kg | 1 | 9/10/2020 6:07:28 PM |
| Toluene | ND | 0.049 | | mg/Kg | 1 | 9/10/2020 6:07:28 PM |
| Ethylbenzene | ND | 0.049 | | mg/Kg | 1 | 9/10/2020 6:07:28 PM |
| Xylenes, Total | ND | 0.098 | | mg/Kg | 1 | 9/10/2020 6:07:28 PM |
| Surr: 4-Bromofluorobenzene | 101 | 80-120 | | %Rec | 1 | 9/10/2020 6:07:28 PM |
| EPA METHOD 300.0: ANIONS | | | | | | Analyst: CAS |
| Chloride | ND | 60 | | mg/Kg | 20 | 9/14/2020 12:02:29 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 Quantitative Limit | RL | Reporting Limit |
| | S | % Recovery outside of range due to dilution or matrix | | |
| | | | | |

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Analytical Report

Lab Order 2009394

Date Reported: 9/16/2020

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Pima Environmental Services LLC

Client Sample ID: S-5 2'

Project: Fed HJ 27 1

Collection Date: 9/3/2020 11:50:00 AM

Lab ID: 2009394-022

Matrix: SOIL

Received Date: 9/5/2020 7:45:00 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 | 9/10/2020 5:50:24 PM |
| Motor Oil Range Organics (MRO) | ND | 48 | | mg/Kg | 1 | 9/10/2020 5:50:24 PM |
| Surr: DNOP | 95.8 | 30.4-154 | | %Rec | 1 | 9/10/2020 5:50:24 PM |
| EPA METHOD 8015D: GASOLINE RANGE | | | | | | Analyst: RAA |
| Gasoline Range Organics (GRO) | ND | 5.0 | | mg/Kg | 1 | 9/10/2020 6:30:50 PM |
| Surr: BFB | 95.8 | 75.3-105 | | %Rec | 1 | 9/10/2020 6:30:50 PM |
| EPA METHOD 8021B: VOLATILES | | | | | | Analyst: RAA |
| Benzene | ND | 0.025 | | mg/Kg | 1 | 9/10/2020 6:30:50 PM |
| Toluene | ND | 0.050 | | mg/Kg | 1 | 9/10/2020 6:30:50 PM |
| Ethylbenzene | ND | 0.050 | | mg/Kg | 1 | 9/10/2020 6:30:50 PM |
| Xylenes, Total | ND | 0.10 | | mg/Kg | 1 | 9/10/2020 6:30:50 PM |
| Surr: 4-Bromofluorobenzene | 105 | 80-120 | | %Rec | 1 | 9/10/2020 6:30:50 PM |
| EPA METHOD 300.0: ANIONS | | | | | | Analyst: CAS |
| Chloride | ND | 60 | | mg/Kg | 20 | 9/14/2020 12:39:44 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 Quantitative Limit | RL | Reporting Limit |
| | S | % Recovery outside of range due to dilution or matrix | | |
| | | | | |

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Analytical Report

Lab Order 2009394

Date Reported: 9/16/2020

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Pima Environmental Services LLC

Client Sample ID: S-5 3'

Project: Fed HJ 27 1

Collection Date: 9/3/2020 11:55:00 AM

Lab ID: 2009394-023

Matrix: SOIL

Received Date: 9/5/2020 7:45:00 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 | 9/10/2020 6:14:00 PM |
| Motor Oil Range Organics (MRO) | ND | 49 | | mg/Kg | 1 | 9/10/2020 6:14:00 PM |
| Surr: DNOP | 97.2 | 30.4-154 | | %Rec | 1 | 9/10/2020 6:14:00 PM |
| EPA METHOD 8015D: GASOLINE RANGE | | | | | | Analyst: RAA |
| Gasoline Range Organics (GRO) | ND | 4.9 | | mg/Kg | 1 | 9/11/2020 12:23:37 PM |
| Surr: BFB | 97.7 | 75.3-105 | | %Rec | 1 | 9/11/2020 12:23:37 PM |
| EPA METHOD 8021B: VOLATILES | | | | | | Analyst: RAA |
| Benzene | ND | 0.024 | | mg/Kg | 1 | 9/10/2020 7:40:59 PM |
| Toluene | ND | 0.049 | | mg/Kg | 1 | 9/10/2020 7:40:59 PM |
| Ethylbenzene | ND | 0.049 | | mg/Kg | 1 | 9/10/2020 7:40:59 PM |
| Xylenes, Total | ND | 0.098 | | mg/Kg | 1 | 9/10/2020 7:40:59 PM |
| Surr: 4-Bromofluorobenzene | 102 | 80-120 | | %Rec | 1 | 9/10/2020 7:40:59 PM |
| EPA METHOD 300.0: ANIONS | | | | | | Analyst: CAS |
| Chloride | ND | 60 | | mg/Kg | 20 | 9/14/2020 12:52:09 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 Quantitative Limit | RL | Reporting Limit |
| | S | % Recovery outside of range due to dilution or matrix | | |
| | | | | |

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Analytical Report

Lab Order 2009394

Date Reported: 9/16/2020

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Pima Environmental Services LLC

Client Sample ID: S-6 0"-6"

Project: Fed HJ 27 1

Collection Date: 9/3/2020 12:00:00 PM

Lab ID: 2009394-024

Matrix: SOIL

Received Date: 9/5/2020 7:45:00 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 | 9/10/2020 6:37:45 PM |
| Motor Oil Range Organics (MRO) | ND | 48 | | mg/Kg | 1 | 9/10/2020 6:37:45 PM |
| Surr: DNOP | 92.5 | 30.4-154 | | %Rec | 1 | 9/10/2020 6:37:45 PM |
| EPA METHOD 8015D: GASOLINE RANGE | | | | | | Analyst: RAA |
| Gasoline Range Organics (GRO) | ND | 4.9 | | mg/Kg | 1 | 9/11/2020 12:47:05 PM |
| Surr: BFB | 94.3 | 75.3-105 | | %Rec | 1 | 9/11/2020 12:47:05 PM |
| EPA METHOD 8021B: VOLATILES | | | | | | Analyst: RAA |
| Benzene | ND | 0.024 | | mg/Kg | 1 | 9/10/2020 8:04:25 PM |
| Toluene | ND | 0.049 | | mg/Kg | 1 | 9/10/2020 8:04:25 PM |
| Ethylbenzene | ND | 0.049 | | mg/Kg | 1 | 9/10/2020 8:04:25 PM |
| Xylenes, Total | ND | 0.098 | | mg/Kg | 1 | 9/10/2020 8:04:25 PM |
| Surr: 4-Bromofluorobenzene | 102 | 80-120 | | %Rec | 1 | 9/10/2020 8:04:25 PM |
| EPA METHOD 300.0: ANIONS | | | | | | Analyst: CAS |
| Chloride | ND | 60 | | mg/Kg | 20 | 9/14/2020 1:04:34 PM |

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

| | | | | |
|--------------------|-----|---|----|---|
| Qualifiers: | * | Value exceeds Maximum Contaminant Level. | 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 Quantitative Limit | RL | Reporting Limit |
| | S | % Recovery outside of range due to dilution or matrix | | |
| | | | | |

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Analytical Report

Lab Order 2009394

Date Reported: 9/16/2020

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Pima Environmental Services LLC

Client Sample ID: S-6 1'

Project: Fed HJ 27 1

Collection Date: 9/3/2020 12:05:00 PM

Lab ID: 2009394-025

Matrix: SOIL

Received Date: 9/5/2020 7:45:00 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 | 9/10/2020 7:01:33 PM |
| Motor Oil Range Organics (MRO) | ND | 47 | | mg/Kg | 1 | 9/10/2020 7:01:33 PM |
| Surr: DNOP | 95.4 | 30.4-154 | | %Rec | 1 | 9/10/2020 7:01:33 PM |
| EPA METHOD 8015D: GASOLINE RANGE | | | | | | Analyst: RAA |
| Gasoline Range Organics (GRO) | ND | 5.0 | | mg/Kg | 1 | 9/11/2020 1:10:28 PM |
| Surr: BFB | 104 | 75.3-105 | | %Rec | 1 | 9/11/2020 1:10:28 PM |
| EPA METHOD 8021B: VOLATILES | | | | | | Analyst: RAA |
| Benzene | ND | 0.025 | | mg/Kg | 1 | 9/10/2020 8:27:48 PM |
| Toluene | ND | 0.050 | | mg/Kg | 1 | 9/10/2020 8:27:48 PM |
| Ethylbenzene | ND | 0.050 | | mg/Kg | 1 | 9/10/2020 8:27:48 PM |
| Xylenes, Total | ND | 0.099 | | mg/Kg | 1 | 9/10/2020 8:27:48 PM |
| Surr: 4-Bromofluorobenzene | 100 | 80-120 | | %Rec | 1 | 9/10/2020 8:27:48 PM |
| EPA METHOD 300.0: ANIONS | | | | | | Analyst: CAS |
| Chloride | ND | 60 | | mg/Kg | 20 | 9/14/2020 1:16:58 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 Quantitative Limit | RL | Reporting Limit |
| | S | % Recovery outside of range due to dilution or matrix | | |
| | | | | |

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Analytical Report

Lab Order 2009394

Date Reported: 9/16/2020

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Pima Environmental Services LLC

Client Sample ID: S-6 2'

Project: Fed HJ 27 1

Collection Date: 9/3/2020 12:10:00 PM

Lab ID: 2009394-026

Matrix: SOIL

Received Date: 9/5/2020 7:45:00 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 | 9/10/2020 7:49:18 PM |
| Motor Oil Range Organics (MRO) | ND | 48 | | mg/Kg | 1 | 9/10/2020 7:49:18 PM |
| Surr: DNOP | 98.2 | 30.4-154 | | %Rec | 1 | 9/10/2020 7:49:18 PM |
| EPA METHOD 8015D: GASOLINE RANGE | | | | | | Analyst: RAA |
| Gasoline Range Organics (GRO) | ND | 4.9 | | mg/Kg | 1 | 9/11/2020 1:33:52 PM |
| Surr: BFB | 95.7 | 75.3-105 | | %Rec | 1 | 9/11/2020 1:33:52 PM |
| EPA METHOD 8021B: VOLATILES | | | | | | Analyst: RAA |
| Benzene | ND | 0.025 | | mg/Kg | 1 | 9/10/2020 8:51:12 PM |
| Toluene | ND | 0.049 | | mg/Kg | 1 | 9/10/2020 8:51:12 PM |
| Ethylbenzene | ND | 0.049 | | mg/Kg | 1 | 9/10/2020 8:51:12 PM |
| Xylenes, Total | ND | 0.099 | | mg/Kg | 1 | 9/10/2020 8:51:12 PM |
| Surr: 4-Bromofluorobenzene | 101 | 80-120 | | %Rec | 1 | 9/10/2020 8:51:12 PM |
| EPA METHOD 300.0: ANIONS | | | | | | Analyst: CAS |
| Chloride | ND | 60 | | mg/Kg | 20 | 9/14/2020 1:29:23 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 Quantitative Limit | RL | Reporting Limit |
| | S | % Recovery outside of range due to dilution or matrix | | |
| | | | | |

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Analytical Report

Lab Order 2009394

Date Reported: 9/16/2020

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Pima Environmental Services LLC

Client Sample ID: S-6 3'

Project: Fed HJ 27 1

Collection Date: 9/3/2020 12:15:00 PM

Lab ID: 2009394-027

Matrix: SOIL

Received Date: 9/5/2020 7:45:00 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 | 9/10/2020 8:13:12 PM |
| Motor Oil Range Organics (MRO) | ND | 48 | | mg/Kg | 1 | 9/10/2020 8:13:12 PM |
| Surr: DNOP | 99.8 | 30.4-154 | | %Rec | 1 | 9/10/2020 8:13:12 PM |
| EPA METHOD 8015D: GASOLINE RANGE | | | | | | Analyst: RAA |
| Gasoline Range Organics (GRO) | ND | 4.9 | | mg/Kg | 1 | 9/11/2020 1:57:14 PM |
| Surr: BFB | 96.4 | 75.3-105 | | %Rec | 1 | 9/11/2020 1:57:14 PM |
| EPA METHOD 8021B: VOLATILES | | | | | | Analyst: RAA |
| Benzene | ND | 0.025 | | mg/Kg | 1 | 9/10/2020 9:14:50 PM |
| Toluene | ND | 0.049 | | mg/Kg | 1 | 9/10/2020 9:14:50 PM |
| Ethylbenzene | ND | 0.049 | | mg/Kg | 1 | 9/10/2020 9:14:50 PM |
| Xylenes, Total | ND | 0.099 | | mg/Kg | 1 | 9/10/2020 9:14:50 PM |
| Surr: 4-Bromofluorobenzene | 101 | 80-120 | | %Rec | 1 | 9/10/2020 9:14:50 PM |
| EPA METHOD 300.0: ANIONS | | | | | | Analyst: CAS |
| Chloride | ND | 60 | | mg/Kg | 20 | 9/14/2020 2:06:38 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 Quantitative Limit | RL | Reporting Limit |
| | S | % Recovery outside of range due to dilution or matrix | | |
| | | | | |

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Analytical Report

Lab Order 2009394

Date Reported: 9/16/2020

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Pima Environmental Services LLC

Client Sample ID: S-7 0"-6"

Project: Fed HJ 27 1

Collection Date: 9/3/2020 12:20:00 PM

Lab ID: 2009394-028

Matrix: SOIL

Received Date: 9/5/2020 7:45:00 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 | 9/10/2020 8:37:05 PM |
| Motor Oil Range Organics (MRO) | ND | 49 | | mg/Kg | 1 | 9/10/2020 8:37:05 PM |
| Surr: DNOP | 98.8 | 30.4-154 | | %Rec | 1 | 9/10/2020 8:37:05 PM |
| EPA METHOD 8015D: GASOLINE RANGE | | | | | | Analyst: RAA |
| Gasoline Range Organics (GRO) | ND | 5.0 | | mg/Kg | 1 | 9/11/2020 2:20:40 PM |
| Surr: BFB | 96.4 | 75.3-105 | | %Rec | 1 | 9/11/2020 2:20:40 PM |
| EPA METHOD 8021B: VOLATILES | | | | | | Analyst: RAA |
| Benzene | ND | 0.025 | | mg/Kg | 1 | 9/10/2020 9:38:26 PM |
| Toluene | ND | 0.050 | | mg/Kg | 1 | 9/10/2020 9:38:26 PM |
| Ethylbenzene | ND | 0.050 | | mg/Kg | 1 | 9/10/2020 9:38:26 PM |
| Xylenes, Total | ND | 0.099 | | mg/Kg | 1 | 9/10/2020 9:38:26 PM |
| Surr: 4-Bromofluorobenzene | 98.7 | 80-120 | | %Rec | 1 | 9/10/2020 9:38:26 PM |
| EPA METHOD 300.0: ANIONS | | | | | | Analyst: CAS |
| Chloride | ND | 60 | | mg/Kg | 20 | 9/14/2020 2:19:02 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 Quantitative Limit | RL | Reporting Limit |
| | S | % Recovery outside of range due to dilution or matrix | | |
| | | | | |

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Analytical Report

Lab Order 2009394

Date Reported: 9/16/2020

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Pima Environmental Services LLC

Client Sample ID: S-7 1'

Project: Fed HJ 27 1

Collection Date: 9/3/2020 12:25:00 PM

Lab ID: 2009394-029

Matrix: SOIL

Received Date: 9/5/2020 7:45:00 AM

| Analyses | Result | RL | Qual | Units | DF | Date Analyzed |
|--|--------|----------|------|-------|----|-----------------------|
| EPA METHOD 8015M/D: DIESEL RANGE ORGANICS | | | | | | Analyst: BRM |
| Diesel Range Organics (DRO) | ND | 9.2 | | mg/Kg | 1 | 9/10/2020 9:00:54 PM |
| Motor Oil Range Organics (MRO) | ND | 46 | | mg/Kg | 1 | 9/10/2020 9:00:54 PM |
| Surr: DNOP | 101 | 30.4-154 | | %Rec | 1 | 9/10/2020 9:00:54 PM |
| EPA METHOD 8015D: GASOLINE RANGE | | | | | | Analyst: RAA |
| Gasoline Range Organics (GRO) | ND | 5.0 | | mg/Kg | 1 | 9/11/2020 2:44:01 PM |
| Surr: BFB | 94.0 | 75.3-105 | | %Rec | 1 | 9/11/2020 2:44:01 PM |
| EPA METHOD 8021B: VOLATILES | | | | | | Analyst: RAA |
| Benzene | ND | 0.025 | | mg/Kg | 1 | 9/10/2020 10:01:57 PM |
| Toluene | ND | 0.050 | | mg/Kg | 1 | 9/10/2020 10:01:57 PM |
| Ethylbenzene | ND | 0.050 | | mg/Kg | 1 | 9/10/2020 10:01:57 PM |
| Xylenes, Total | ND | 0.10 | | mg/Kg | 1 | 9/10/2020 10:01:57 PM |
| Surr: 4-Bromofluorobenzene | 100 | 80-120 | | %Rec | 1 | 9/10/2020 10:01:57 PM |
| EPA METHOD 300.0: ANIONS | | | | | | Analyst: CAS |
| Chloride | ND | 60 | | mg/Kg | 20 | 9/14/2020 2:31:27 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 Quantitative Limit | RL | Reporting Limit |
| | S | % Recovery outside of range due to dilution or matrix | | |
| | | | | |

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Analytical Report

Lab Order 2009394

Date Reported: 9/16/2020

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Pima Environmental Services LLC

Client Sample ID: S-7 2'

Project: Fed HJ 27 1

Collection Date: 9/3/2020 12:30:00 PM

Lab ID: 2009394-030

Matrix: SOIL

Received Date: 9/5/2020 7:45:00 AM

| Analyses | Result | RL | Qual | Units | DF | Date Analyzed |
|--|--------|----------|------|-------|----|-----------------------|
| EPA METHOD 8015M/D: DIESEL RANGE ORGANICS | | | | | | Analyst: BRM |
| Diesel Range Organics (DRO) | ND | 9.2 | | mg/Kg | 1 | 9/10/2020 9:24:43 PM |
| Motor Oil Range Organics (MRO) | ND | 46 | | mg/Kg | 1 | 9/10/2020 9:24:43 PM |
| Surr: DNOP | 102 | 30.4-154 | | %Rec | 1 | 9/10/2020 9:24:43 PM |
| EPA METHOD 8015D: GASOLINE RANGE | | | | | | Analyst: RAA |
| Gasoline Range Organics (GRO) | ND | 4.9 | | mg/Kg | 1 | 9/11/2020 3:07:31 PM |
| Surr: BFB | 100 | 75.3-105 | | %Rec | 1 | 9/11/2020 3:07:31 PM |
| EPA METHOD 8021B: VOLATILES | | | | | | Analyst: RAA |
| Benzene | ND | 0.025 | | mg/Kg | 1 | 9/10/2020 10:25:25 PM |
| Toluene | ND | 0.049 | | mg/Kg | 1 | 9/10/2020 10:25:25 PM |
| Ethylbenzene | ND | 0.049 | | mg/Kg | 1 | 9/10/2020 10:25:25 PM |
| Xylenes, Total | ND | 0.099 | | mg/Kg | 1 | 9/10/2020 10:25:25 PM |
| Surr: 4-Bromofluorobenzene | 100 | 80-120 | | %Rec | 1 | 9/10/2020 10:25:25 PM |
| EPA METHOD 300.0: ANIONS | | | | | | Analyst: CAS |
| Chloride | 100 | 60 | | mg/Kg | 20 | 9/14/2020 2:43:51 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 Quantitative Limit | RL | Reporting Limit |
| | S | % Recovery outside of range due to dilution or matrix | | |
| | | | | |

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Analytical Report

Lab Order 2009394

Date Reported: 9/16/2020

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Pima Environmental Services LLC

Client Sample ID: S-7 3'

Project: Fed HJ 27 1

Collection Date: 9/3/2020 12:35:00 PM

Lab ID: 2009394-031

Matrix: SOIL

Received Date: 9/5/2020 7:45:00 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 | 9/10/2020 9:48:34 PM |
| Motor Oil Range Organics (MRO) | ND | 49 | | mg/Kg | 1 | 9/10/2020 9:48:34 PM |
| Surr: DNOP | 92.6 | 30.4-154 | | %Rec | 1 | 9/10/2020 9:48:34 PM |
| EPA METHOD 8015D: GASOLINE RANGE | | | | | | Analyst: RAA |
| Gasoline Range Organics (GRO) | ND | 4.9 | | mg/Kg | 1 | 9/11/2020 3:31:03 PM |
| Surr: BFB | 93.1 | 75.3-105 | | %Rec | 1 | 9/11/2020 3:31:03 PM |
| EPA METHOD 8021B: VOLATILES | | | | | | Analyst: RAA |
| Benzene | ND | 0.025 | | mg/Kg | 1 | 9/10/2020 10:48:50 PM |
| Toluene | ND | 0.049 | | mg/Kg | 1 | 9/10/2020 10:48:50 PM |
| Ethylbenzene | ND | 0.049 | | mg/Kg | 1 | 9/10/2020 10:48:50 PM |
| Xylenes, Total | ND | 0.098 | | mg/Kg | 1 | 9/10/2020 10:48:50 PM |
| Surr: 4-Bromofluorobenzene | 102 | 80-120 | | %Rec | 1 | 9/10/2020 10:48:50 PM |
| EPA METHOD 300.0: ANIONS | | | | | | Analyst: CAS |
| Chloride | 160 | 60 | | mg/Kg | 20 | 9/14/2020 2:56:16 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 Quantitative Limit | RL | Reporting Limit |
| | S | % Recovery outside of range due to dilution or matrix | | |
| | | | | |

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

WO#: 2009394

16-Sep-20

Client: Pima Environmental Services LLC**Project:** Fed HJ 27 1

| Sample ID: MB-55122 | SampType: mblk | TestCode: EPA Method 300.0: Anions | | | | | | | | |
|-----------------------------|---------------------------------|---|-----------|---------------------|------|----------|-----------|------|----------|------|
| Client ID: PBS | Batch ID: 55122 | RunNo: 71822 | | | | | | | | |
| Prep Date: 9/13/2020 | Analysis Date: 9/13/2020 | SeqNo: 2513416 | | Units: mg/Kg | | | | | | |
| Analyte | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | %RPD | RPDLimit | Qual |
| Chloride | ND | 1.5 | | | | | | | | |

| Sample ID: LCS-55122 | SampType: lcs | TestCode: EPA Method 300.0: Anions | | | | | | | | |
|-----------------------------|---------------------------------|---|-----------|---------------------|------|----------|-----------|------|----------|------|
| Client ID: LCSS | Batch ID: 55122 | RunNo: 71822 | | | | | | | | |
| Prep Date: 9/13/2020 | Analysis Date: 9/13/2020 | SeqNo: 2513417 | | Units: mg/Kg | | | | | | |
| Analyte | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | %RPD | RPDLimit | Qual |
| Chloride | 14 | 1.5 | 15.00 | 0 | 90.6 | 90 | 110 | | | |

| Sample ID: MB-55134 | SampType: mblk | TestCode: EPA Method 300.0: Anions | | | | | | | | |
|-----------------------------|---------------------------------|---|-----------|---------------------|------|----------|-----------|------|----------|------|
| Client ID: PBS | Batch ID: 55134 | RunNo: 71841 | | | | | | | | |
| Prep Date: 9/14/2020 | Analysis Date: 9/14/2020 | SeqNo: 2514372 | | Units: mg/Kg | | | | | | |
| Analyte | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | %RPD | RPDLimit | Qual |
| Chloride | ND | 1.5 | | | | | | | | |

| Sample ID: LCS-55134 | SampType: lcs | TestCode: EPA Method 300.0: Anions | | | | | | | | |
|-----------------------------|---------------------------------|---|-----------|---------------------|------|----------|-----------|------|----------|------|
| Client ID: LCSS | Batch ID: 55134 | RunNo: 71841 | | | | | | | | |
| Prep Date: 9/14/2020 | Analysis Date: 9/14/2020 | SeqNo: 2514373 | | 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 Quantitative 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

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

WO#: 2009394

16-Sep-20

Client: Pima Environmental Services LLC**Project:** Fed HJ 27 1

| Sample ID: LCS-55057 | SampType: LCS | | TestCode: EPA Method 8015M/D: Diesel Range Organics | | | | | | | |
|-----------------------------|---------------------------------|-----|--|-------------|---------------------|----------|-----------|------|----------|------|
| Client ID: LCSS | Batch ID: 55057 | | RunNo: 71721 | | | | | | | |
| Prep Date: 9/9/2020 | Analysis Date: 9/10/2020 | | SeqNo: 2509065 | | Units: mg/Kg | | | | | |
| Analyte | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | %RPD | RPDLimit | Qual |
| Diesel Range Organics (DRO) | 55 | 10 | 50.00 | 0 | 110 | 70 | 130 | | | |
| Surr: DNOP | 4.9 | | 5.000 | | 97.2 | 30.4 | 154 | | | |

| Sample ID: MB-55057 | SampType: MBLK | | TestCode: EPA Method 8015M/D: Diesel Range Organics | | | | | | | |
|--------------------------------|---------------------------------|-----|--|-------------|---------------------|----------|-----------|------|----------|------|
| Client ID: PBS | Batch ID: 55057 | | RunNo: 71721 | | | | | | | |
| Prep Date: 9/9/2020 | Analysis Date: 9/10/2020 | | SeqNo: 2509066 | | 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 | 12 | | 10.00 | | 116 | 30.4 | 154 | | | |

| Sample ID: LCS-55017 | SampType: LCS | | TestCode: EPA Method 8015M/D: Diesel Range Organics | | | | | | | |
|-----------------------------|--------------------------------|-----|--|-------------|---------------------|----------|-----------|------|----------|------|
| Client ID: LCSS | Batch ID: 55017 | | RunNo: 71698 | | | | | | | |
| Prep Date: 9/8/2020 | Analysis Date: 9/9/2020 | | SeqNo: 2509091 | | Units: mg/Kg | | | | | |
| Analyte | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | %RPD | RPDLimit | Qual |
| Diesel Range Organics (DRO) | 55 | 10 | 50.00 | 0 | 110 | 70 | 130 | | | |
| Surr: DNOP | 5.6 | | 5.000 | | 112 | 30.4 | 154 | | | |

| Sample ID: MB-55017 | SampType: MBLK | | TestCode: EPA Method 8015M/D: Diesel Range Organics | | | | | | | |
|--------------------------------|--------------------------------|-----|--|-------------|---------------------|----------|-----------|------|----------|------|
| Client ID: PBS | Batch ID: 55017 | | RunNo: 71698 | | | | | | | |
| Prep Date: 9/8/2020 | Analysis Date: 9/9/2020 | | SeqNo: 2509092 | | 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 | 12 | | 10.00 | | 116 | 30.4 | 154 | | | |

| Sample ID: MB-55054 | SampType: MBLK | | TestCode: EPA Method 8015M/D: Diesel Range Organics | | | | | | | |
|--------------------------------|---------------------------------|-----|--|-------------|---------------------|----------|-----------|------|----------|------|
| Client ID: PBS | Batch ID: 55054 | | RunNo: 71762 | | | | | | | |
| Prep Date: 9/9/2020 | Analysis Date: 9/10/2020 | | SeqNo: 2510693 | | 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 | 9.6 | | 10.00 | | 96.2 | 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 Quantitative 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

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

WO#: 2009394

16-Sep-20

Client: Pima Environmental Services LLC**Project:** Fed HJ 27 1

| Sample ID: LCS-55054 | SampType: LCS | | | TestCode: EPA Method 8015M/D: Diesel Range Organics | | | | | | |
|-----------------------------|---------------------------------|-----|-----------|--|------|----------|---------------------|------|----------|------|
| Client ID: LCSS | Batch ID: 55054 | | | RunNo: 71762 | | | | | | |
| Prep Date: 9/9/2020 | Analysis Date: 9/10/2020 | | | SeqNo: 2510719 | | | Units: mg/Kg | | | |
| Analyte | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | %RPD | RPDLimit | Qual |
| Diesel Range Organics (DRO) | 44 | 10 | 50.00 | 0 | 88.5 | 70 | 130 | | | |
| Surr: DNOP | 4.5 | | 5.000 | | 89.2 | 30.4 | 154 | | | |

| Sample ID: 2009394-018AMS | SampType: MS | | | TestCode: EPA Method 8015M/D: Diesel Range Organics | | | | | | |
|----------------------------------|---------------------------------|-----|-----------|--|------|----------|---------------------|------|----------|------|
| Client ID: S-4 2' | Batch ID: 55054 | | | RunNo: 71762 | | | | | | |
| Prep Date: 9/9/2020 | Analysis Date: 9/10/2020 | | | SeqNo: 2510721 | | | Units: mg/Kg | | | |
| Analyte | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | %RPD | RPDLimit | Qual |
| Diesel Range Organics (DRO) | 44 | 9.5 | 47.39 | 0 | 92.5 | 47.4 | 136 | | | |
| Surr: DNOP | 4.3 | | 4.739 | | 90.4 | 30.4 | 154 | | | |

| Sample ID: 2009394-018AMSD | SampType: MSD | | | TestCode: EPA Method 8015M/D: Diesel Range Organics | | | | | | |
|-----------------------------------|---------------------------------|-----|-----------|--|------|----------|---------------------|------|----------|------|
| Client ID: S-4 2' | Batch ID: 55054 | | | RunNo: 71762 | | | | | | |
| Prep Date: 9/9/2020 | Analysis Date: 9/10/2020 | | | SeqNo: 2510722 | | | Units: mg/Kg | | | |
| Analyte | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | %RPD | RPDLimit | Qual |
| Diesel Range Organics (DRO) | 47 | 9.9 | 49.50 | 0 | 94.5 | 47.4 | 136 | 6.44 | 43.4 | |
| Surr: DNOP | 4.6 | | 4.950 | | 92.4 | 30.4 | 154 | 0 | 0 | |

| Sample ID: 2009394-014AMS | SampType: MS | | | TestCode: EPA Method 8015M/D: Diesel Range Organics | | | | | | |
|----------------------------------|---------------------------------|-----|-----------|--|------|----------|---------------------|------|----------|------|
| Client ID: S-3 2' | Batch ID: 55057 | | | RunNo: 71721 | | | | | | |
| Prep Date: 9/9/2020 | Analysis Date: 9/10/2020 | | | SeqNo: 2511287 | | | Units: mg/Kg | | | |
| Analyte | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | %RPD | RPDLimit | Qual |
| Diesel Range Organics (DRO) | 46 | 9.5 | 47.62 | 0 | 97.6 | 47.4 | 136 | | | |
| Surr: DNOP | 3.6 | | 4.762 | | 76.0 | 30.4 | 154 | | | |

| Sample ID: 2009394-014AMSD | SampType: MSD | | | TestCode: EPA Method 8015M/D: Diesel Range Organics | | | | | | |
|-----------------------------------|---------------------------------|-----|-----------|--|------|----------|---------------------|------|----------|------|
| Client ID: S-3 2' | Batch ID: 55057 | | | RunNo: 71721 | | | | | | |
| Prep Date: 9/9/2020 | Analysis Date: 9/10/2020 | | | SeqNo: 2511288 | | | Units: mg/Kg | | | |
| Analyte | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | %RPD | RPDLimit | Qual |
| Diesel Range Organics (DRO) | 47 | 10 | 49.85 | 0 | 94.5 | 47.4 | 136 | 1.33 | 43.4 | |
| Surr: DNOP | 5.0 | | 4.985 | | 100 | 30.4 | 154 | 0 | 0 | |

| Sample ID: LCS-55019 | SampType: LCS | | | TestCode: EPA Method 8015M/D: Diesel Range Organics | | | | | | |
|-----------------------------|---------------------------------|-----|-----------|--|------|----------|--------------------|------|----------|------|
| Client ID: LCSS | Batch ID: 55019 | | | RunNo: 71721 | | | | | | |
| Prep Date: 9/9/2020 | Analysis Date: 9/10/2020 | | | SeqNo: 2511324 | | | Units: %Rec | | | |
| 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 Quantitative 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

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

WO#: 2009394

16-Sep-20

Client: Pima Environmental Services LLC**Project:** Fed HJ 27 1

| Sample ID: LCS-55019 | SampType: LCS | | | TestCode: EPA Method 8015M/D: Diesel Range Organics | | | | | | |
|-----------------------------|---------------------------------|-----|-----------|--|--------------------|----------|-----------|------|----------|------|
| Client ID: LCSS | Batch ID: 55019 | | | RunNo: 71721 | | | | | | |
| Prep Date: 9/9/2020 | Analysis Date: 9/10/2020 | | | SeqNo: 2511324 | Units: %Rec | | | | | |
| Analyte | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | %RPD | RPDLimit | Qual |
| Surr: DNOP | 4.3 | | 5.000 | | 85.1 | 30.4 | 154 | | | |

| Sample ID: MB-55019 | SampType: MBLK | | | TestCode: EPA Method 8015M/D: Diesel Range Organics | | | | | | |
|----------------------------|---------------------------------|-----|-----------|--|--------------------|----------|-----------|------|----------|------|
| Client ID: PBS | Batch ID: 55019 | | | RunNo: 71721 | | | | | | |
| Prep Date: 9/9/2020 | Analysis Date: 9/10/2020 | | | SeqNo: 2511325 | Units: %Rec | | | | | |
| Analyte | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | %RPD | RPDLimit | Qual |
| Surr: DNOP | 9.3 | | 10.00 | | 92.5 | 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 Quantitative 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

Page 35 of 40

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

WO#: 2009394

16-Sep-20

Client: Pima Environmental Services LLC**Project:** Fed HJ 27 1

| Sample ID: 2009394-015ams | SampType: MS | TestCode: EPA Method 8015D: Gasoline Range | | | | | | | | |
|----------------------------------|---------------------------------|---|-----------|-------------|------|----------|-----------|------|----------|------|
| Client ID: S-3 3' | Batch ID: 54985 | RunNo: 71774 | | | | | | | | |
| Prep Date: 9/6/2020 | Analysis Date: 9/10/2020 | SeqNo: 2511356 Units: mg/Kg | | | | | | | | |
| Analyte | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | %RPD | RPDLimit | Qual |
| Gasoline Range Organics (GRO) | 19 | 4.9 | 24.44 | 0 | 78.1 | 61.3 | 114 | | | |
| Surr: BFB | 1000 | | 977.5 | | 103 | 75.3 | 105 | | | |

| Sample ID: 2009394-015amsd | SampType: MSD | TestCode: EPA Method 8015D: Gasoline Range | | | | | | | | |
|-----------------------------------|---------------------------------|---|-----------|-------------|------|----------|-----------|------|----------|------|
| Client ID: S-3 3' | Batch ID: 54985 | RunNo: 71774 | | | | | | | | |
| Prep Date: 9/6/2020 | Analysis Date: 9/10/2020 | SeqNo: 2511357 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 | 76.4 | 61.3 | 114 | 1.88 | 20 | |
| Surr: BFB | 1000 | | 980.4 | | 103 | 75.3 | 105 | 0 | 0 | |

| Sample ID: lcs-54985 | SampType: LCS | TestCode: EPA Method 8015D: Gasoline Range | | | | | | | | |
|-------------------------------|---------------------------------|---|-----------|-------------|------|----------|-----------|------|----------|------|
| Client ID: LCSS | Batch ID: 54985 | RunNo: 71774 | | | | | | | | |
| Prep Date: 9/6/2020 | Analysis Date: 9/10/2020 | SeqNo: 2511365 Units: mg/Kg | | | | | | | | |
| Analyte | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | %RPD | RPDLimit | Qual |
| Gasoline Range Organics (GRO) | 20 | 5.0 | 25.00 | 0 | 81.6 | 72.5 | 106 | | | |
| Surr: BFB | 1000 | | 1000 | | 104 | 75.3 | 105 | | | |

| Sample ID: mb-54985 | SampType: MBLK | TestCode: EPA Method 8015D: Gasoline Range | | | | | | | | |
|-------------------------------|---------------------------------|---|-----------|-------------|------|----------|-----------|------|----------|------|
| Client ID: PBS | Batch ID: 54985 | RunNo: 71774 | | | | | | | | |
| Prep Date: 9/6/2020 | Analysis Date: 9/10/2020 | SeqNo: 2511366 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 | 920 | | 1000 | | 91.8 | 75.3 | 105 | | | |

| Sample ID: lcs-54986 | SampType: LCS | TestCode: EPA Method 8015D: Gasoline Range | | | | | | | | |
|-----------------------------|---------------------------------|---|-----------|-------------|------|----------|-----------|------|----------|------|
| Client ID: LCSS | Batch ID: 54986 | RunNo: 71790 | | | | | | | | |
| Prep Date: 9/6/2020 | Analysis Date: 9/11/2020 | SeqNo: 2511831 Units: %Rec | | | | | | | | |
| Analyte | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | %RPD | RPDLimit | Qual |
| Surr: BFB | 1200 | | 1000 | | 116 | 75.3 | 105 | | | S |

| Sample ID: mb-54986 | SampType: MBLK | TestCode: EPA Method 8015D: Gasoline Range | | | | | | | | |
|----------------------------|---------------------------------|---|-----------|-------------|------|----------|-----------|------|----------|------|
| Client ID: PBS | Batch ID: 54986 | RunNo: 71790 | | | | | | | | |
| Prep Date: 9/6/2020 | Analysis Date: 9/11/2020 | SeqNo: 2511833 Units: %Rec | | | | | | | | |
| Analyte | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | %RPD | RPDLimit | Qual |
| Surr: BFB | 1100 | | 1000 | | 108 | 75.3 | 105 | | | S |

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 Quantitative 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#: 2009394

16-Sep-20

Client: Pima Environmental Services LLC**Project:** Fed HJ 27 1

| Sample ID: 2009394-014ams | SampType: MS | TestCode: EPA Method 8021B: Volatiles | | | | | | | | |
|----------------------------------|---------------------------------|--|---------------------|-------------|------|----------|-----------|------|----------|------|
| Client ID: S-3 2' | Batch ID: 54985 | RunNo: 71774 | | | | | | | | |
| Prep Date: 9/6/2020 | Analysis Date: 9/10/2020 | SeqNo: 2511394 | Units: mg/Kg | | | | | | | |
| Analyte | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | %RPD | RPDLimit | Qual |
| Benzene | 0.88 | 0.025 | 0.9843 | 0 | 88.9 | 76.3 | 120 | | | |
| Toluene | 0.90 | 0.049 | 0.9843 | 0 | 91.0 | 78.5 | 120 | | | |
| Ethylbenzene | 0.89 | 0.049 | 0.9843 | 0 | 90.5 | 78.1 | 124 | | | |
| Xylenes, Total | 2.7 | 0.098 | 2.953 | 0 | 91.7 | 79.3 | 125 | | | |
| Surr: 4-Bromofluorobenzene | 1.0 | | 0.9843 | | 102 | 80 | 120 | | | |

| Sample ID: 2009394-014amsd | SampType: MSD | TestCode: EPA Method 8021B: Volatiles | | | | | | | | |
|-----------------------------------|---------------------------------|--|---------------------|-------------|------|----------|-----------|--------|----------|------|
| Client ID: S-3 2' | Batch ID: 54985 | RunNo: 71774 | | | | | | | | |
| Prep Date: 9/6/2020 | Analysis Date: 9/10/2020 | SeqNo: 2511395 | Units: mg/Kg | | | | | | | |
| Analyte | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | %RPD | RPDLimit | Qual |
| Benzene | 0.87 | 0.024 | 0.9766 | 0 | 89.2 | 76.3 | 120 | 0.448 | 20 | |
| Toluene | 0.88 | 0.049 | 0.9766 | 0 | 89.9 | 78.5 | 120 | 2.02 | 20 | |
| Ethylbenzene | 0.89 | 0.049 | 0.9766 | 0 | 91.2 | 78.1 | 124 | 0.0580 | 20 | |
| Xylenes, Total | 2.7 | 0.098 | 2.930 | 0 | 91.9 | 79.3 | 125 | 0.595 | 20 | |
| Surr: 4-Bromofluorobenzene | 1.0 | | 0.9766 | | 105 | 80 | 120 | 0 | 0 | |

| Sample ID: LCS-54985 | SampType: LCS | TestCode: EPA Method 8021B: Volatiles | | | | | | | | |
|-----------------------------|---------------------------------|--|---------------------|-------------|------|----------|-----------|------|----------|------|
| Client ID: LCSS | Batch ID: 54985 | RunNo: 71774 | | | | | | | | |
| Prep Date: 9/6/2020 | Analysis Date: 9/10/2020 | SeqNo: 2511425 | 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 | 0.89 | 0.050 | 1.000 | 0 | 89.3 | 80 | 120 | | | |
| Ethylbenzene | 0.90 | 0.050 | 1.000 | 0 | 89.9 | 80 | 120 | | | |
| Xylenes, Total | 2.7 | 0.10 | 3.000 | 0 | 90.1 | 80 | 120 | | | |
| Surr: 4-Bromofluorobenzene | 1.0 | | 1.000 | | 101 | 80 | 120 | | | |

| Sample ID: LCS-54986 | SampType: LCS | TestCode: EPA Method 8021B: Volatiles | | | | | | | | |
|-----------------------------|---------------------------------|--|--------------------|-------------|------|----------|-----------|------|----------|------|
| Client ID: LCSS | Batch ID: 54986 | RunNo: 71774 | | | | | | | | |
| Prep Date: 9/6/2020 | Analysis Date: 9/11/2020 | SeqNo: 2511426 | Units: %Rec | | | | | | | |
| Analyte | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | %RPD | RPDLimit | Qual |
| Surr: 4-Bromofluorobenzene | 1.0 | | 1.000 | | 104 | 80 | 120 | | | |

| Sample ID: mb-54985 | SampType: MBLK | TestCode: EPA Method 8021B: Volatiles | | | | | | | | |
|----------------------------|---------------------------------|--|---------------------|-------------|------|----------|-----------|------|----------|------|
| Client ID: PBS | Batch ID: 54985 | RunNo: 71774 | | | | | | | | |
| Prep Date: 9/6/2020 | Analysis Date: 9/10/2020 | SeqNo: 2511427 | 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 Quantitative 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

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

WO#: 2009394

16-Sep-20

Client: Pima Environmental Services LLC**Project:** Fed HJ 27 1

| Sample ID: mb-54985 | SampType: MBLK | TestCode: EPA Method 8021B: Volatiles | | | | | | | | |
|----------------------------|---------------------------------|--|---------------------|-------------|------|----------|-----------|------|----------|------|
| Client ID: PBS | Batch ID: 54985 | RunNo: 71774 | | | | | | | | |
| Prep Date: 9/6/2020 | Analysis Date: 9/10/2020 | SeqNo: 2511427 | 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 | | 99.9 | 80 | 120 | | | |

| Sample ID: mb-54986 | SampType: MBLK | TestCode: EPA Method 8021B: Volatiles | | | | | | | | |
|----------------------------|---------------------------------|--|--------------------|-------------|------|----------|-----------|------|----------|------|
| Client ID: PBS | Batch ID: 54986 | RunNo: 71774 | | | | | | | | |
| Prep Date: 9/6/2020 | Analysis Date: 9/11/2020 | SeqNo: 2511428 | Units: %Rec | | | | | | | |
| Analyte | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | %RPD | RPDLimit | Qual |
| Surr: 4-Bromofluorobenzene | 1.0 | | 1.000 | | 101 | 80 | 120 | | | |

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 Quantitative 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#: 2009394

16-Sep-20

Client: Pima Environmental Services LLC**Project:** Fed HJ 27 1

| Sample ID: Ics-54984 | SampType: LCS4 | TestCode: EPA Method 8260B: Volatiles Short List | | | | | | | | |
|-----------------------------|--------------------------------|---|---------------------|-------------|------|----------|-----------|------|----------|------|
| Client ID: BatchQC | Batch ID: 54984 | RunNo: 71719 | | | | | | | | |
| Prep Date: 9/6/2020 | Analysis Date: 9/9/2020 | SeqNo: 2508935 | Units: mg/Kg | | | | | | | |
| Analyte | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | %RPD | RPDLimit | Qual |
| Benzene | 0.93 | 0.025 | 1.000 | 0 | 92.9 | 80 | 120 | | | |
| Toluene | 0.99 | 0.050 | 1.000 | 0 | 99.5 | 80 | 120 | | | |
| Ethylbenzene | 1.0 | 0.050 | 1.000 | 0 | 102 | 80 | 120 | | | |
| Xylenes, Total | 3.2 | 0.10 | 3.000 | 0 | 105 | 80 | 120 | | | |
| Surr: 1,2-Dichloroethane-d4 | 0.47 | | 0.5000 | | 93.9 | 70 | 130 | | | |
| Surr: 4-Bromofluorobenzene | 0.51 | | 0.5000 | | 102 | 70 | 130 | | | |
| Surr: Dibromofluoromethane | 0.54 | | 0.5000 | | 109 | 70 | 130 | | | |
| Surr: Toluene-d8 | 0.52 | | 0.5000 | | 104 | 70 | 130 | | | |

| Sample ID: mb-54984 | SampType: MBLK | TestCode: EPA Method 8260B: Volatiles Short List | | | | | | | | |
|-----------------------------|--------------------------------|---|---------------------|-------------|------|----------|-----------|------|----------|------|
| Client ID: PBS | Batch ID: 54984 | RunNo: 71719 | | | | | | | | |
| Prep Date: 9/6/2020 | Analysis Date: 9/9/2020 | SeqNo: 2508936 | 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 | 0.46 | | 0.5000 | | 92.3 | 70 | 130 | | | |
| Surr: 4-Bromofluorobenzene | 0.50 | | 0.5000 | | 100 | 70 | 130 | | | |
| Surr: Dibromofluoromethane | 0.52 | | 0.5000 | | 104 | 70 | 130 | | | |
| Surr: Toluene-d8 | 0.52 | | 0.5000 | | 105 | 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 Quantitative 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#: 2009394

16-Sep-20

Client: Pima Environmental Services LLC**Project:** Fed HJ 27 1

| Sample ID: lcs-54984 | SampType: LCS | | | TestCode: EPA Method 8015D Mod: Gasoline Range | | | | | | |
|-------------------------------|--------------------------------|-----|-----------|---|------|---------------------|-----------|------|----------|------|
| Client ID: LCSS | Batch ID: 54984 | | | RunNo: 71719 | | | | | | |
| Prep Date: 9/6/2020 | Analysis Date: 9/9/2020 | | | SeqNo: 2508976 | | 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 | 84.3 | 70 | 130 | | | |
| Surr: BFB | 500 | | 500.0 | | 99.4 | 70 | 130 | | | |

| Sample ID: mb-54984 | SampType: MBLK | | | TestCode: EPA Method 8015D Mod: Gasoline Range | | | | | | |
|-------------------------------|--------------------------------|-----|-----------|---|------|---------------------|-----------|------|----------|------|
| Client ID: PBS | Batch ID: 54984 | | | RunNo: 71719 | | | | | | |
| Prep Date: 9/6/2020 | Analysis Date: 9/9/2020 | | | SeqNo: 2508977 | | 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 | 500 | | 500.0 | | 101 | 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 Quantitative 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
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: 2009394

RcptNo: 1

Received By: Juan Rojas 9/5/2020 7:45:00 AM

Completed By: Juan Rojas 9/5/2020 8:42:13 AM

Reviewed By: JR 9/5/20

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 $>0^{\circ}\text{C}$ 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? Yes ☒ No ☐
(Note discrepancies on chain of custody)
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? Yes ☒ No ☐
(If no, notify customer for authorization.)

of preserved bottles checked for pH:

(<2 or >12 unless noted)

Adjusted? _____

Checked by: SPA 9.5.20

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 $^{\circ}\text{C}$ | Condition | Seal Intact | Seal No | Seal Date | Signed By |
|-----------|-------------------------|-----------|-------------|---------|-----------|-----------|
| 1 | 1.4 | Good | | | | |
| 2 | 1.3 | Good | | | | |

Chain-of-Custody Record

Client: Pima Environmental

Mailing Address: 1601 N Turner ste 500
Hobbs, NM 88240
505-631-6977

Phone #: 505-631-6977

email or Fax#: chris@pimaoil.com

QA/QC Package:
☒ Standard ☐ Level 4 (Full Validation)
 Accreditation: ☐ Az Compliance ☐ Other
☐ NELAC ☐ Other
☐ EDD (Type) _____

Turn-Around Time: 5 days
☒ Standard ☐ Rush

Project Name: Fed HJ-27 #1

Project #: _____

Project Manager: Chris Jones

Sampler: Tristan Jones

On Ice: ☒ Yes ☐ No

of Coolers: 2

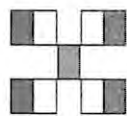
Cooler Temp (including CF): 1.5-0.1=1.4 (°C)

Container Type and # glass Preservative Type ice HEAL No. 2009394

| Date | Time | Matrix | Sample Name | Container Type and # | Preservative Type | HEAL No. |
|---------|------|--------|-------------|----------------------|-------------------|----------|
| 9/13/20 | 1005 | soil | Bg-1 | glass | ice | -001 |
| | 1010 | | Bg-2 | | | -002 |
| | 1015 | | Bg-3 | | | -003 |
| | 1020 | | S-1 | | | -004 |
| | 1025 | | S-1 | | | -005 |
| | 1030 | | S-1 | | | -006 |
| | 1035 | | S-1 | | | -007 |
| | 1040 | | S-2 | | | -008 |
| | 1045 | | S-2 | | | -009 |
| | 1050 | | S-2 | | | -010 |
| | 1055 | | S-2 | | | -011 |
| | 1100 | | S-3 | | | -012 |

Date: 9/14/20 Time: 10:00 Relinquished by: Null

Date: 9/14/20 Time: 10:00 Relinquished by: Curran



HALL ENVIRONMENTAL ANALYSIS LABORATORY

www.hallenvironmental.com

4901 Hawkins NE - Albuquerque, NM 87109

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

Analysis Request

| | | | | | | | | | | |
|---------------------------|------------------------------|---------------------------|--------------------|--------------------------|---------------|--|------------|-----------------|---------------------------------|------------------|
| BTEX / MTBE / TMBs (8021) | TPH: 8015D (GRO / DRO / MRO) | 8081 Pesticides/8082 PCBs | 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) | <u>Chlorides</u> |
|---------------------------|------------------------------|---------------------------|--------------------|--------------------------|---------------|--|------------|-----------------|---------------------------------|------------------|

Remarks:

Bill to Devon

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: Fed HJ-27 #1

Project #: _____

Project Manager: Chris Jones

Sampler: Tristan Jones

On Ice: ☒ Yes ☐ No

of Coolers: 2

Cooler Temp (including CF): 4.5-6.1 = 1.4 (°C)

Container Type and #

Preservative Type

HEAL No.

2009394

| Date | Time | Matrix | Sample Name | Container Type and # | Preservative Type | HEAL No. | 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) |
|--------|------|--------|-------------|----------------------|-------------------|----------|----------------------------|----------------------------|----------------------------|--------------------|--------------------------|---------------|--|------------|-----------------|---------------------------------|
| 9/3/20 | 1205 | soil | S-6 1' | glass | ice | 2015 cet | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | chlorides |
| ↓ | 1210 | ↓ | S-6 2' | ↓ | ↓ | 2016 cet | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ |
| ↓ | 1215 | ↓ | S-6 3' | ↓ | ↓ | 2017 cet | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ |
| ↓ | 1220 | ↓ | S-7 0"-6" | ↓ | ↓ | 2018 cet | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ |
| ↓ | 1225 | ↓ | S-7 1' | ↓ | ↓ | 2019 cet | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ |
| ↓ | 1230 | ↓ | S-7 2' | ↓ | ↓ | 2020 cet | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ |
| ↓ | 1235 | ↓ | S-7 3' | ↓ | ↓ | 2021 cet | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ |

Remarks:

Received by: [Signature] Date: 9/4/20 Time: 1000

Received by: [Signature] Date: 9/5/20 Time: 7:45

Bill to Debra

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

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

CONDITIONS

Action 10272

CONDITIONS

| | |
|--|---|
| Operator: Pima Environmental Services, LLC 5614 N Lovington Hwy Hobbs, NM 88240 | OGRID: 329999 |
| | Action Number: 10272 |
| | Action Type: [C-141] Release Corrective Action (C-141) |

CONDITIONS

| Created By | Condition | Condition Date |
|------------|-----------|----------------|
| bhall | None | 10/31/2022 |