



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

September 8, 2020

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

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

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

Dear Mr. Bratcher and Mr. Amos,

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

Site Characterization

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

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

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

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

Reference Figure 2 for a TOPO Map.

Release Information

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

Site Assessment and Soil Sampling Results

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

7-23-20 Soil Sample Results

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

ND- Analyte Not Detected

Remediation Activities

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

8-19-20 Soil Sample Results

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

ND- Analyte Not Detected

Complete Laboratory Reports are attached in Appendix C.

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

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

Closure Request

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

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

Respectfully,



Chris Jones
Environmental Professional
Pima Environmental Services, LLC

Attachments

Figures:

- 1- Location Map
- 2- 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- Photographic Documentation
- Appendix E- Laboratory Reports



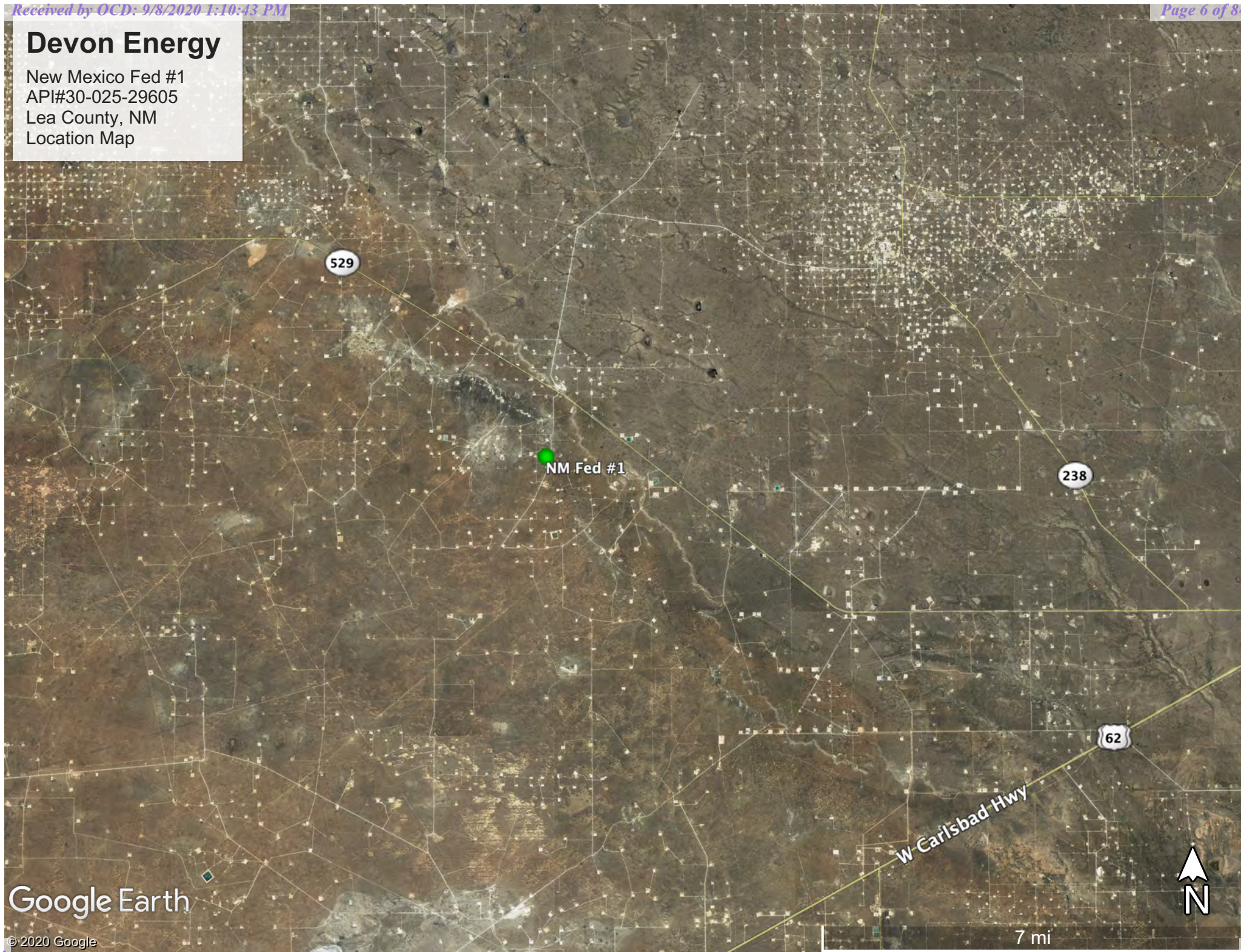
Pima Environmental Services

Figures:

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

Devon Energy

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

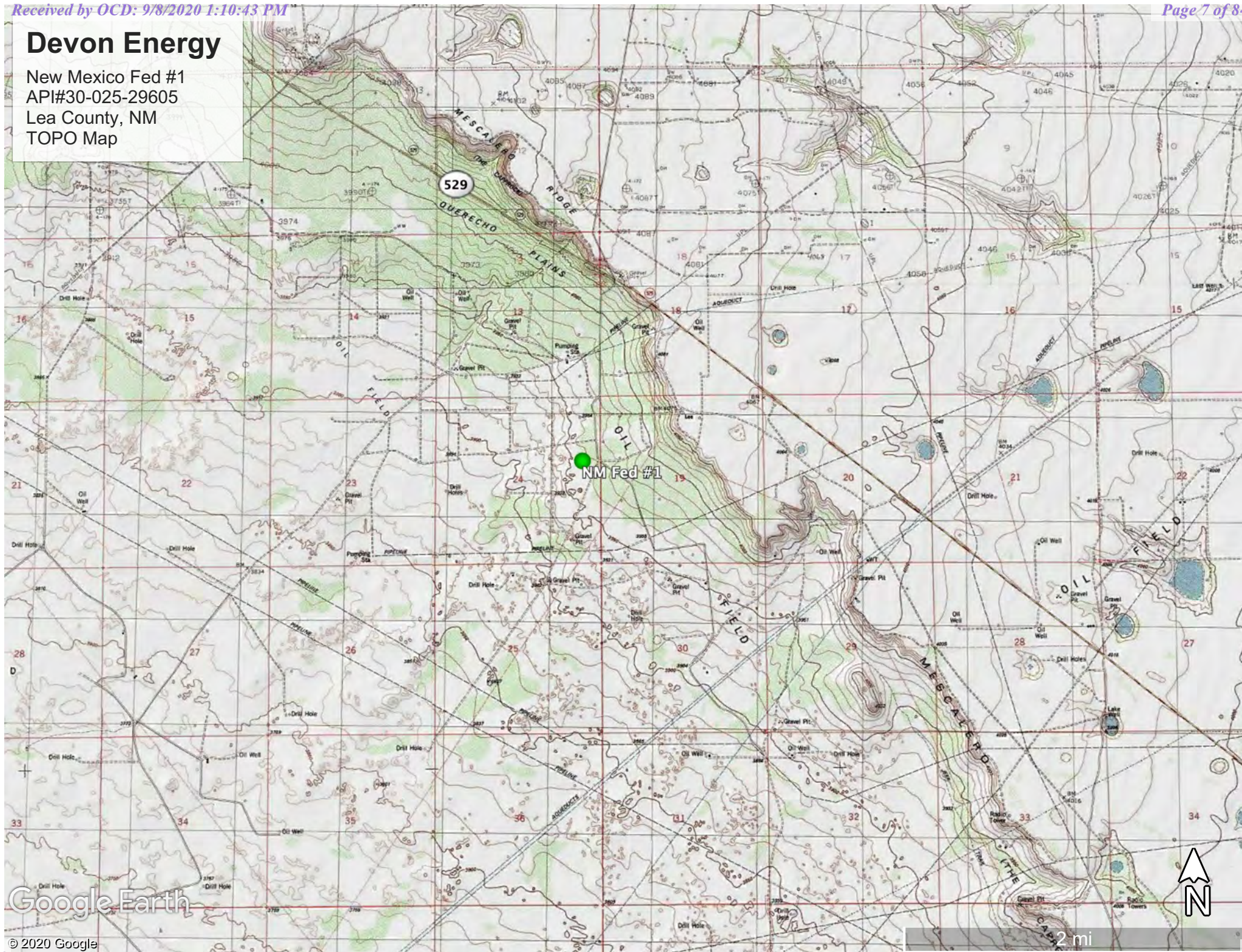


Google Earth

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7 mi

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

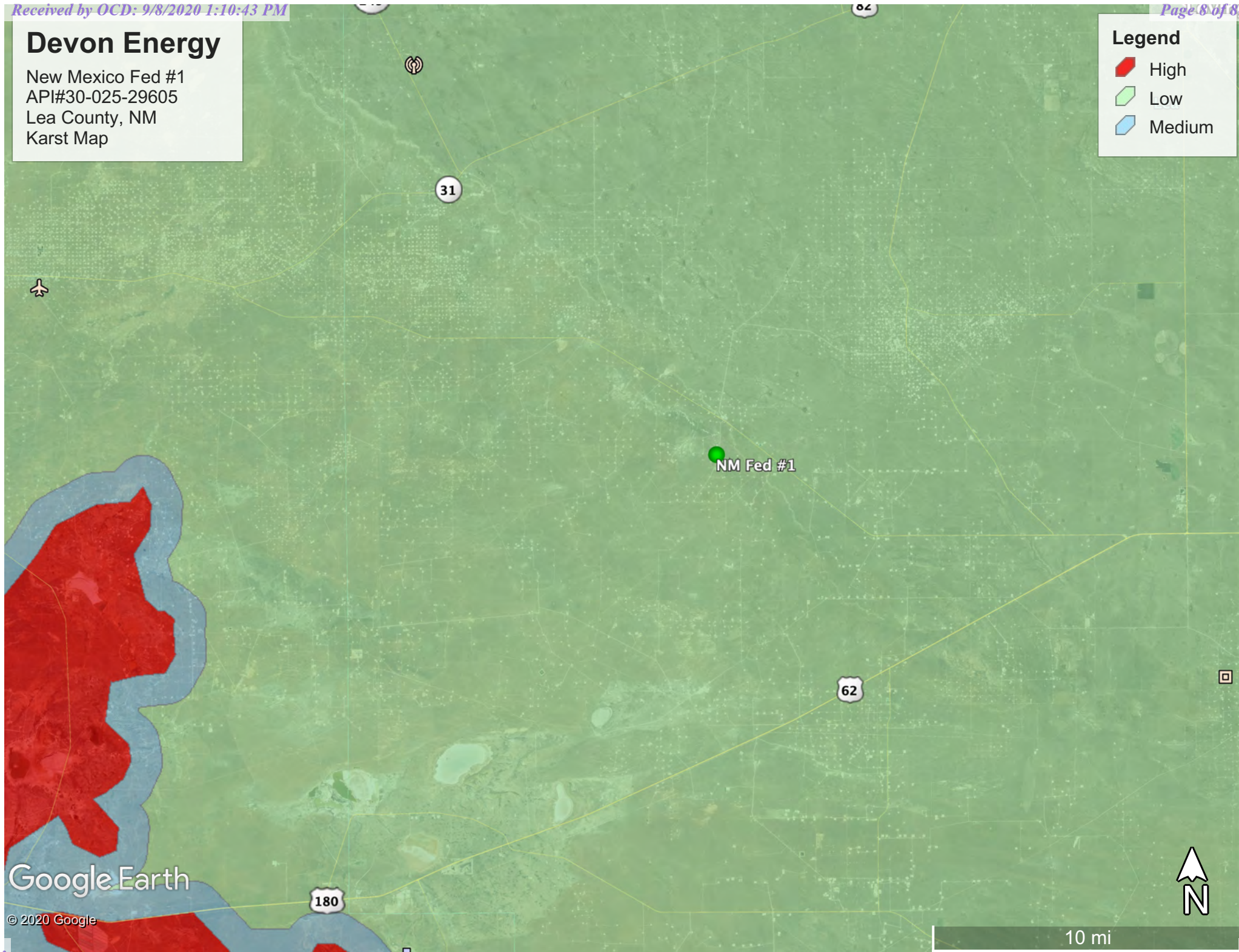


Devon Energy

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

Legend



- High
- Low
- Medium



Devon Energy

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

Legend

-  Impact Area
-  Samples





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

Average Depth to Water:115 feet

Minimum Depth:60 feet

Maximum Depth:220 feet

Record Count: 18

UTMNAD83 Radius Search (in meters):

Easting (X): 630248

Northing (Y): 3622738.899

Radius: 3000

*UTM location was derived from PLSS - see Help

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.



USGS Home
Contact USGS
Search USGS

National Water Information System: Mapper

Help Info

Sites Map

Search

Surface-Water Sites

Groundwater Sites

☒ Active Sites

☐ Any data

☐ Instantaneous data

☐ Daily data

☐ Water-quality data

☐ Measurements

☐ Annual Report

☒ Inactive Sites

☐ Any data

☐ Instantaneous data

☐ Daily data

☐ Water-quality data

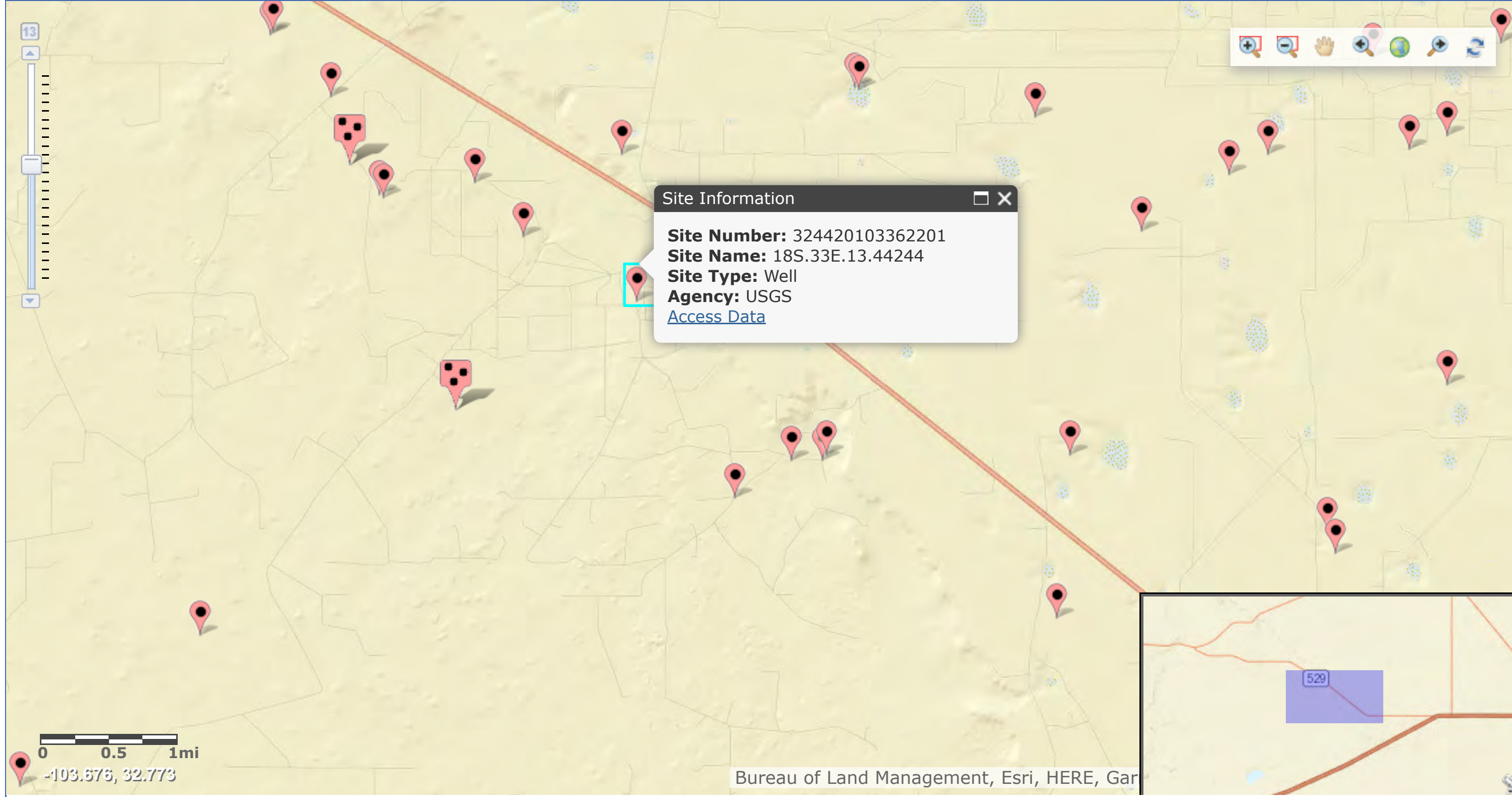
☐ Measurements

☐ Annual Report

☐ Springs

☐ Atmospheric Sites

☐ Other Sites



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

Full News

Groundwater levels for the Nation

Search Results -- 1 sites found

site_no list =

324420103362201

Minimum number of levels = 1

[Save file of selected sites](#) to local disk for future upload

USGS 324420103362201 18S.33E.13.44244

Available data for this site

Groundwater: Field measurements

GO

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

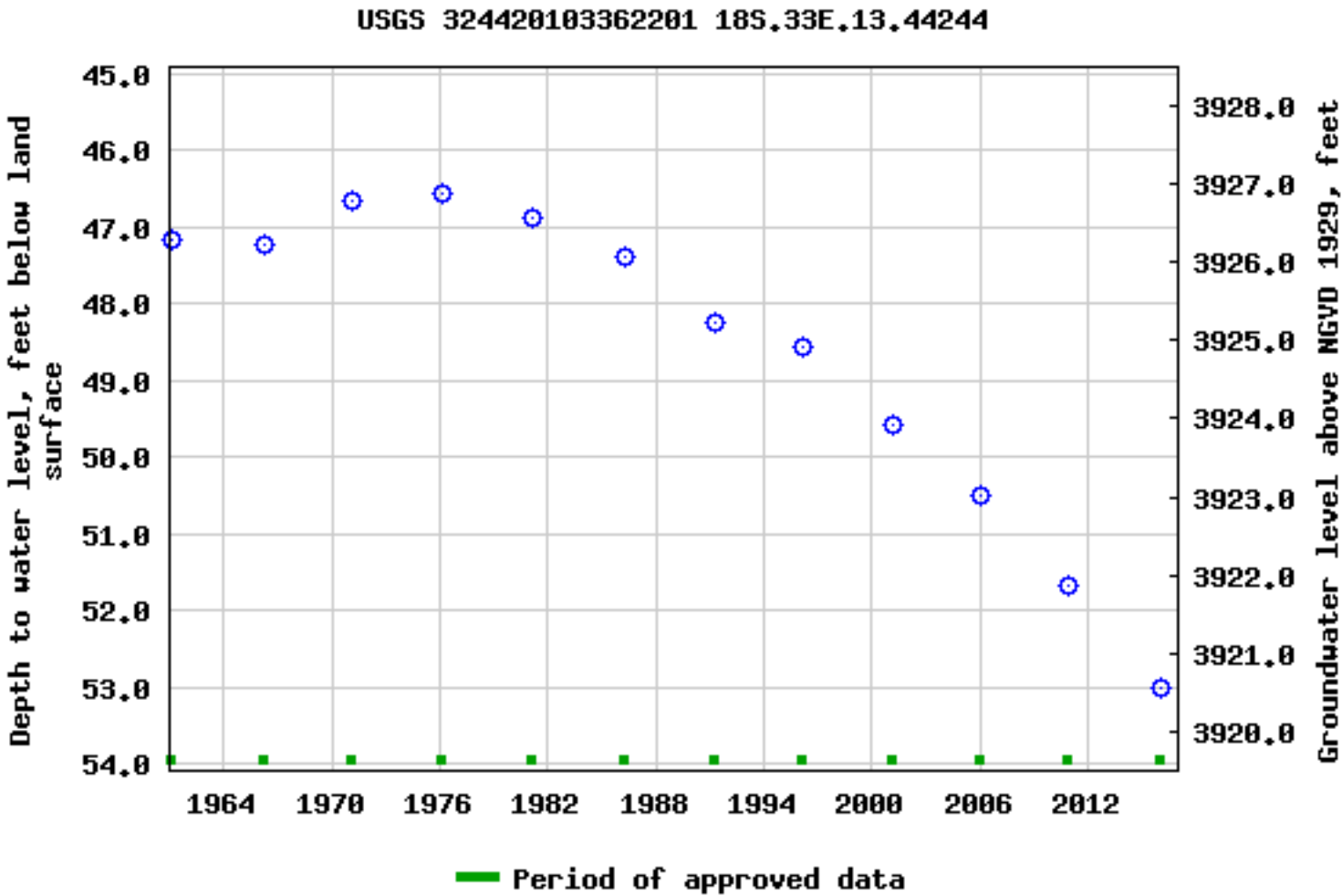
Output formats

Table of data

Tab-separated data

Graph of data

Reselect period



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

- Questions about sites/data?

Feedback on this web site

Automated retrievals

Help
- Data Tips

Explanation of terms



Subscribe for system changes

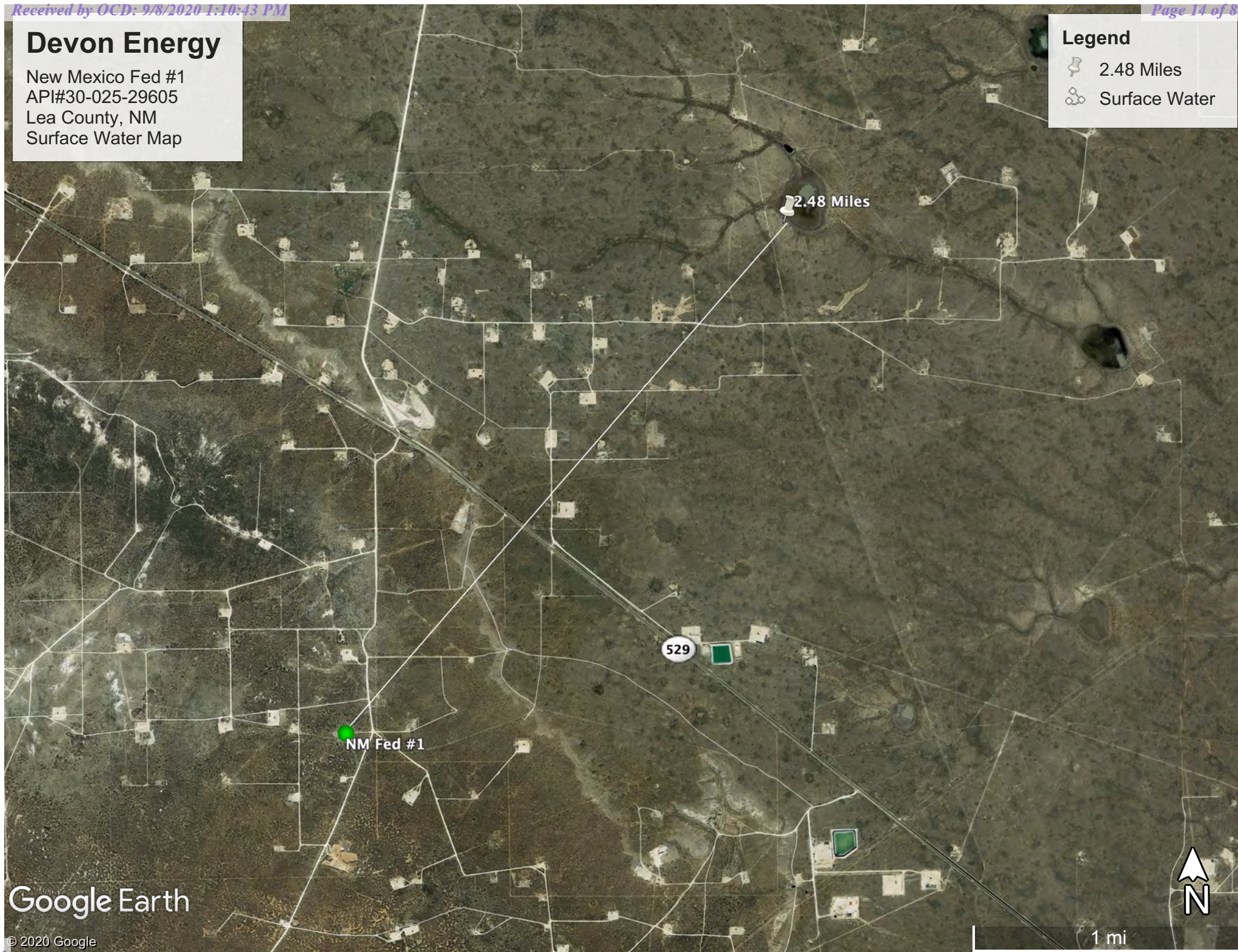
News

Devon Energy

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

Legend

-  2.48 Miles
-  Surface Water



Google Earth

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Pima Environmental Services

Appendix B
Soil Survey & Geological Data:
USDA

Map Unit Description: Pyote soils and Dune land---Lea County, New Mexico

Lea County, New Mexico

PY—Pyote soils and Dune land

Map Unit Setting

National map unit symbol: dmqr

Elevation: 3,000 to 4,400 feet

Mean annual precipitation: 10 to 15 inches

Mean annual air temperature: 60 to 64 degrees F

Frost-free period: 190 to 220 days

Farmland classification: Not prime farmland

Map Unit Composition

Pyote and similar soils: 46 percent

Dune land: 44 percent

Minor components: 10 percent

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

Description of Pyote

Setting

Landform: Depressions

Landform position (two-dimensional): Footslope

Landform position (three-dimensional): Base slope

Down-slope shape: Concave

Across-slope shape: Concave

Parent material: Sandy eolian deposits derived from sedimentary rock

Typical profile

A - 0 to 30 inches: fine sand

Bt - 30 to 60 inches: fine sandy loam

Properties and qualities

Slope: 0 to 3 percent

Depth to restrictive feature: More than 80 inches

Drainage class: Well drained

Runoff class: Negligible

Capacity of the most limiting layer to transmit water (Ksat): High
(2.00 to 6.00 in/hr)

Depth to water table: More than 80 inches

Frequency of flooding: None

Frequency of ponding: None

Calcium carbonate, maximum content: 5 percent

Gypsum, maximum content: 1 percent

Maximum salinity: Nonsaline to very slightly saline (0.0 to 2.0 mmhos/cm)

Sodium adsorption ratio, maximum: 2.0

Available water capacity: Low (about 5.1 inches)

Map Unit Description: Pyote soils and Dune land---Lea County, New Mexico

Interpretive groups

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

Description of Dune Land**Setting**

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

Typical profile

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

Interpretive groups

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

Minor Components**Kermit**

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

Maljamar, fine sand

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

Wink

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

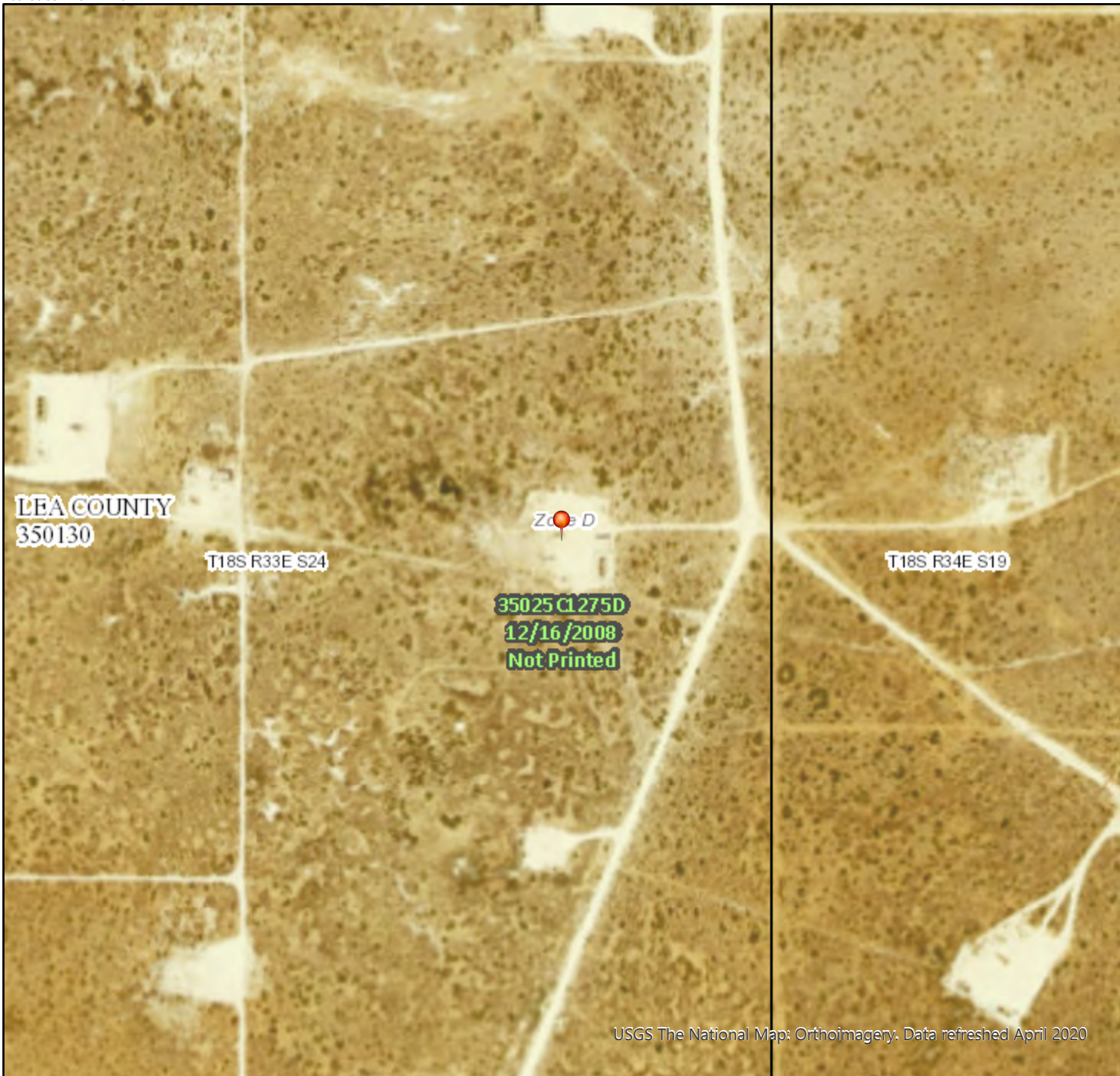
Data Source Information

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

National Flood Hazard Layer FIRMette



103°36'55"W 32°44'20"N



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

1:6,000

103°36'17"W 32°43'50"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 Water Surface Elevation
		17.5
		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 9/8/2020 at 1:05 PM and does not reflect changes or amendments subsequent to this date and time. The NFHL and effective information may change or become superseded by new data over time.

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



Pima Environmental Services

Appendix C

C-141's:

Initial

Final

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

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

Form C-141
Revised April 3, 2017

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

Release Notification and Corrective Action

OPERATOR

☒ Initial Report ☐ Final Report

Name of Company Devon Energy Production Company	Contact Steve McGlasson, Production Foreman
Address 6488 Seven Rivers Hwy Artesia, NM 88210	Telephone No. 575-748-3371
Facility Name New Mexico Fed 1	Facility Type Oil
Surface Owner Federal	Mineral Owner Federal
API No. 30-025-29605	

LOCATION OF RELEASE

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

Latitude_32.7347183_ Longitude_103.6099854_ NAD83

NATURE OF RELEASE

Type of Release Oil	Volume of Release .21BBLS	Volume Recovered 0BBLS
Source of Release Tank fill line	Date and Hour of Occurrence July 2, 2018 @ 8:30 AM MST	Date and Hour of Discovery July 2, 2018 @ 8:30 AM MST
Was Immediate Notice Given? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Not Required	If YES, To Whom? BLM-Shelly Tucker OCD-Olivia Yu & Christina Hernandez	
By Whom? Mike Shoemaker, EHS Professional	Date and Hour July 3, 2018 MST @ 8:15 AM MST	
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		

RECEIVED

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

Describe Cause of Problem and Remedial Action Taken.*

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

Describe Area Affected and Cleanup Action Taken.*

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

I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to NMOCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the NMOCD marked as "Final Report" does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to ground water, surface water, human health or the environment. In addition, NMOCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations.

Signature: Dana DeLaRosa		OIL CONSERVATION DIVISION	
Printed Name: Dana DeLaRosa		Approved by Environmental Specialist: CH	
Title: Field Admin Support	Approval Date: 7/17/2018	Expiration Date:	
E-mail Address: dana.delarosa@dv.com	Conditions of Approval:		Attached <input checked="" type="checkbox"/>
Date: 7/16/2018 Phone: 575.746.5594	See attached directive. Provide NMOCD confirmatory laboratory analyses of discrete soil samples (0-6" bgs) from the impacted pasture area.		

* Attach Additional Sheets If Necessary

Devon - Internal

1RP-5126

nCH1819839414

pCH1819839931

New Mexico Federal 1

.02bbls oil



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

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



Miles

0 0.00 0.00 0.01 1:445

S24, T18S, R33E

.21bbls Oil



Operator/Responsible Party,

The OCD has received the form C-141 you provided on 7/16/2018 regarding an unauthorized release. The information contained on that form has been entered into our incident database and remediation case number 1RP-5126 has been assigned. **Please refer to this case number in all future correspondence.**

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

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

Release characterization is the first phase of corrective action unless the release is ongoing or is of limited volume and all impacts can be immediately addressed. Proper and cost-effective remediation typically cannot occur without adequate characterization of the impacts of any release. Furthermore, the Division has the ability to impose reasonable conditions upon the efforts it oversees. **As such, the Division is requiring a workplan for the characterization of impacts associated with this release be submitted to the OCD District 1 office in Hobbs on or before 8/17/2018. If and when the release characterization workplan is approved, there will be an associated deadline for submittal of the resultant investigation report. Modest extensions of time to these deadlines may be granted, but only with acceptable justification.**

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

- Horizontal delineation of soil impacts in each of the four cardinal compass directions. Adsorbed soil contamination must be characterized for the following constituents using the associated laboratory methods: benzene, toluene, ethylbenzene, and total xylenes by either Method 8260 or 8021, total petroleum hydrocarbons by Method 8015 extended range (GRO+DRO+MRO; C₆ thru C₃₆), and for chloride by Method 300. This is not an exclusive list of potential contaminants. Analyzed parameters should be modified based on the nature of the released substance(s). Soil sampling must be both within the impacted area and beyond.
- Vertical delineation of soil impacts. Adsorbed soil contamination must be characterized for the following constituents using the associated laboratory methods: benzene, toluene, ethylbenzene, and total xylenes by either Method 8260 or 8021, total petroleum hydrocarbons by Method 8015 extended range (GRO+DRO+MRO; C₆ thru C₃₆), and for chloride by Method 300. As above, this is not an exclusive list of potential contaminants and can be modified. Vertical characterization samples should be taken at depth intervals no greater than five feet apart. Lithologic description of encountered soils must also be provided. At least ten vertical feet of soils with contaminant concentrations at or below these values must be demonstrated as existing above the water table.
- Nominal detection limits for field and laboratory analyses must be provided.
- Composite sampling is not generally allowed.
- Field screening and assessment techniques are acceptable (headspace, titration, EC [include algorithm for validation purposes], EM, etc.), but the sampling and assay procedures must be clearly defined. Copies of field notes are highly desirable. A statistically significant set of split samples must be submitted for confirmatory laboratory analysis, including the laterally farthest and vertically deepest sets of soil samples. Make sure there are at least two soil samples submitted

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

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

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

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

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

Jim Griswold

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

Site Assessment/Characterization

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

What is the shallowest depth to groundwater beneath the area affected by the release?	____ <u>60</u> (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

Page 2

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

I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to OCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the OCD does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment. In addition, OCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations.

Printed Name: Tom Bynum Title: EHS ConsultantSignature: Tom Bynum Date: 9/8/2020email: tom.bynum@dvn.com Telephone: 575-748-2663**OCD Only**Received by: Cristina Eads Date: 09/08/2020

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

Remediation Plan

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

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

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

- ☐ Contamination must be in areas immediately under or around production equipment where remediation could cause a major facility deconstruction.
- ☐ Extents of contamination must be fully delineated.
- ☐ Contamination does not cause an imminent risk to human health, the environment, or groundwater.

I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to OCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the OCD does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment. In addition, OCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations.

Printed Name: Tom Bynum Title: EHS Consultant
Signature: Tom Bynum Date: 9/8/2020
email: tom.bynum@dvn.com Telephone: 575-748-2663

OCD Only

Received by: _____ Date: _____

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

Signature: _____ Date: _____

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

Closure

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

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

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

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

Printed Name: Tom Bynum Title: EHS Consultant
Signature: Tom Bynum Date: 9/8/2020
email: tom.bynum@dvn.com Telephone: 575-748-2663

OCD Only

Received by: Cristina Eads Date: 09/08/2020

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: D E N I E D Date: 11/10/2020

Printed Name: Cristina Eads Title: Environmental Specialist



Pima Environmental Services

Appendix D:
Photographic Documentation

Photographic Documentation

Before



Excavation



Complete





Pima Environmental Services

Appendix E:
Laboratory Reports



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

August 04, 2020

Chris Jones

Pima Environmental Services LLC

1601 N. Turner Ste 500

Hobbs, NM 88240

TEL: (575) 631-6977

FAX:

RE: New Mexico Fed Com 1

OrderNo.: 2007C50

Dear Chris Jones:

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

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

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

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

Sincerely,

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 2007C50

Date Reported: 8/4/2020

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Pima Environmental Services LLC

Client Sample ID: S1-0-6"

Project: New Mexico Fed Com 1

Collection Date: 7/23/2020 8:30:00 AM

Lab ID: 2007C50-001

Matrix: SOIL

Received Date: 7/24/2020 9:50:00 AM

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

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

Qualifiers:	*	Value exceeds Maximum Contaminant Level.	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		

Analytical Report

Lab Order 2007C50

Date Reported: 8/4/2020

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Pima Environmental Services LLC

Client Sample ID: S1-1'

Project: New Mexico Fed Com 1

Collection Date: 7/23/2020 8:32:00 AM

Lab ID: 2007C50-002

Matrix: SOIL

Received Date: 7/24/2020 9:50:00 AM

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

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

Qualifiers:	*	Value exceeds Maximum Contaminant Level.	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		

Analytical Report

Lab Order 2007C50

Date Reported: 8/4/2020

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Pima Environmental Services LLC

Client Sample ID: S1-2'

Project: New Mexico Fed Com 1

Collection Date: 7/23/2020 8:34:00 AM

Lab ID: 2007C50-003

Matrix: SOIL

Received Date: 7/24/2020 9:50:00 AM

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

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

Qualifiers:	*	Value exceeds Maximum Contaminant Level.	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		

Analytical Report

Lab Order 2007C50

Date Reported: 8/4/2020

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Pima Environmental Services LLC

Client Sample ID: S1-3'

Project: New Mexico Fed Com 1

Collection Date: 7/23/2020 8:36:00 AM

Lab ID: 2007C50-004

Matrix: SOIL

Received Date: 7/24/2020 9:50:00 AM

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

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

Qualifiers:	*	Value exceeds Maximum Contaminant Level.	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		

Analytical Report

Lab Order 2007C50

Date Reported: 8/4/2020

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Pima Environmental Services LLC

Client Sample ID: S2-0-6"

Project: New Mexico Fed Com 1

Collection Date: 7/23/2020 8:38:00 AM

Lab ID: 2007C50-005

Matrix: SOIL

Received Date: 7/24/2020 9:50:00 AM

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

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

Qualifiers:	*	Value exceeds Maximum Contaminant Level.	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		

Analytical Report

Lab Order 2007C50

Date Reported: 8/4/2020

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Pima Environmental Services LLC

Client Sample ID: S2-1'

Project: New Mexico Fed Com 1

Collection Date: 7/23/2020 8:40:00 AM

Lab ID: 2007C50-006

Matrix: SOIL

Received Date: 7/24/2020 9:50:00 AM

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

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

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

Analytical Report

Lab Order 2007C50

Date Reported: 8/4/2020

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Pima Environmental Services LLC

Client Sample ID: S2-2'

Project: New Mexico Fed Com 1

Collection Date: 7/23/2020 8:42:00 AM

Lab ID: 2007C50-007

Matrix: SOIL

Received Date: 7/24/2020 9:50:00 AM

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

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

Qualifiers:	*	Value exceeds Maximum Contaminant Level.	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		

Analytical Report

Lab Order 2007C50

Date Reported: 8/4/2020

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Pima Environmental Services LLC

Client Sample ID: S2-3'

Project: New Mexico Fed Com 1

Collection Date: 7/23/2020 8:44:00 AM

Lab ID: 2007C50-008

Matrix: SOIL

Received Date: 7/24/2020 9:50:00 AM

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

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

Qualifiers:	*	Value exceeds Maximum Contaminant Level.	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		

Analytical Report

Lab Order 2007C50

Date Reported: 8/4/2020

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Pima Environmental Services LLC

Client Sample ID: S3-0-6"

Project: New Mexico Fed Com 1

Collection Date: 7/23/2020 8:46:00 AM

Lab ID: 2007C50-009

Matrix: SOIL

Received Date: 7/24/2020 9:50:00 AM

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

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

Qualifiers:	*	Value exceeds Maximum Contaminant Level.	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		

Analytical Report

Lab Order 2007C50

Date Reported: 8/4/2020

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Pima Environmental Services LLC

Client Sample ID: S3-1'

Project: New Mexico Fed Com 1

Collection Date: 7/23/2020 8:48:00 AM

Lab ID: 2007C50-010

Matrix: SOIL

Received Date: 7/24/2020 9:50:00 AM

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

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

Qualifiers:	*	Value exceeds Maximum Contaminant Level.	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		

Analytical Report

Lab Order 2007C50

Date Reported: 8/4/2020

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Pima Environmental Services LLC

Client Sample ID: S3-2'

Project: New Mexico Fed Com 1

Collection Date: 7/23/2020 8:50:00 AM

Lab ID: 2007C50-011

Matrix: SOIL

Received Date: 7/24/2020 9:50:00 AM

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

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

Qualifiers:	*	Value exceeds Maximum Contaminant Level.	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		

Analytical Report

Lab Order 2007C50

Date Reported: 8/4/2020

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Pima Environmental Services LLC

Client Sample ID: S3-3'

Project: New Mexico Fed Com 1

Collection Date: 7/23/2020 8:52:00 AM

Lab ID: 2007C50-012

Matrix: SOIL

Received Date: 7/24/2020 9:50:00 AM

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

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

Qualifiers:	*	Value exceeds Maximum Contaminant Level.	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		

Analytical Report

Lab Order 2007C50

Date Reported: 8/4/2020

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Pima Environmental Services LLC

Client Sample ID: S4-0-6"

Project: New Mexico Fed Com 1

Collection Date: 7/23/2020 8:54:00 AM

Lab ID: 2007C50-013

Matrix: SOIL

Received Date: 7/24/2020 9:50:00 AM

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

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

Qualifiers:	*	Value exceeds Maximum Contaminant Level.	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		

Analytical Report

Lab Order 2007C50

Date Reported: 8/4/2020

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Pima Environmental Services LLC

Client Sample ID: S4-1'

Project: New Mexico Fed Com 1

Collection Date: 7/23/2020 8:56:00 AM

Lab ID: 2007C50-014

Matrix: SOIL

Received Date: 7/24/2020 9:50:00 AM

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

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

Qualifiers:	*	Value exceeds Maximum Contaminant Level.	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		

Analytical Report

Lab Order 2007C50

Date Reported: 8/4/2020

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Pima Environmental Services LLC

Client Sample ID: S4-2'

Project: New Mexico Fed Com 1

Collection Date: 7/23/2020 8:58:00 AM

Lab ID: 2007C50-015

Matrix: SOIL

Received Date: 7/24/2020 9:50:00 AM

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

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

Qualifiers:	*	Value exceeds Maximum Contaminant Level.	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		

Analytical Report

Lab Order 2007C50

Date Reported: 8/4/2020

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Pima Environmental Services LLC

Client Sample ID: S4-3'

Project: New Mexico Fed Com 1

Collection Date: 7/23/2020 9:00:00 AM

Lab ID: 2007C50-016

Matrix: SOIL

Received Date: 7/24/2020 9:50:00 AM

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

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

Qualifiers:	*	Value exceeds Maximum Contaminant Level.	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		

Analytical Report

Lab Order 2007C50

Date Reported: 8/4/2020

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Pima Environmental Services LLC

Client Sample ID: S5-0-6"

Project: New Mexico Fed Com 1

Collection Date: 7/23/2020 9:02:00 AM

Lab ID: 2007C50-017

Matrix: SOIL

Received Date: 7/24/2020 9:50:00 AM

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

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

Qualifiers:	*	Value exceeds Maximum Contaminant Level.	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		

Analytical Report

Lab Order 2007C50

Date Reported: 8/4/2020

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Pima Environmental Services LLC

Client Sample ID: S5-1'

Project: New Mexico Fed Com 1

Collection Date: 7/23/2020 9:04:00 AM

Lab ID: 2007C50-018

Matrix: SOIL

Received Date: 7/24/2020 9:50:00 AM

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

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

Qualifiers:	*	Value exceeds Maximum Contaminant Level.	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		

Analytical Report

Lab Order 2007C50

Date Reported: 8/4/2020

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Pima Environmental Services LLC

Client Sample ID: S5-2'

Project: New Mexico Fed Com 1

Collection Date: 7/23/2020 9:06:00 AM

Lab ID: 2007C50-019

Matrix: SOIL

Received Date: 7/24/2020 9:50:00 AM

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

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

Qualifiers:	*	Value exceeds Maximum Contaminant Level.	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		

Analytical Report

Lab Order 2007C50

Date Reported: 8/4/2020

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Pima Environmental Services LLC

Client Sample ID: S5-3'

Project: New Mexico Fed Com 1

Collection Date: 7/23/2020 9:08:00 AM

Lab ID: 2007C50-020

Matrix: SOIL

Received Date: 7/24/2020 9:50:00 AM

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

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

Qualifiers:	*	Value exceeds Maximum Contaminant Level.	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		

Analytical Report

Lab Order 2007C50

Date Reported: 8/4/2020

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Pima Environmental Services LLC

Client Sample ID: S6-0-6"

Project: New Mexico Fed Com 1

Collection Date: 7/23/2020 9:10:00 AM

Lab ID: 2007C50-021

Matrix: SOIL

Received Date: 7/24/2020 9:50:00 AM

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

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

Qualifiers:	*	Value exceeds Maximum Contaminant Level.	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		

Analytical Report

Lab Order 2007C50

Date Reported: 8/4/2020

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Pima Environmental Services LLC

Client Sample ID: S6-1'

Project: New Mexico Fed Com 1

Collection Date: 7/23/2020 9:12:00 AM

Lab ID: 2007C50-022

Matrix: SOIL

Received Date: 7/24/2020 9:50:00 AM

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

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

Qualifiers:	*	Value exceeds Maximum Contaminant Level.	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		

Analytical Report

Lab Order 2007C50

Date Reported: 8/4/2020

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Pima Environmental Services LLC

Client Sample ID: S7-0-6"

Project: New Mexico Fed Com 1

Collection Date: 7/23/2020 9:14:00 AM

Lab ID: 2007C50-023

Matrix: SOIL

Received Date: 7/24/2020 9:50:00 AM

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

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

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

Analytical Report

Lab Order 2007C50

Date Reported: 8/4/2020

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Pima Environmental Services LLC

Client Sample ID: S7-1'

Project: New Mexico Fed Com 1

Collection Date: 7/23/2020 9:16:00 AM

Lab ID: 2007C50-024

Matrix: SOIL

Received Date: 7/24/2020 9:50:00 AM

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

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

Qualifiers:	*	Value exceeds Maximum Contaminant Level.	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		

Analytical Report

Lab Order 2007C50

Date Reported: 8/4/2020

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Pima Environmental Services LLC

Client Sample ID: S7-2'

Project: New Mexico Fed Com 1

Collection Date: 7/23/2020 9:18:00 AM

Lab ID: 2007C50-025

Matrix: SOIL

Received Date: 7/24/2020 9:50:00 AM

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

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

Qualifiers:	*	Value exceeds Maximum Contaminant Level.	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		

Analytical Report

Lab Order 2007C50

Date Reported: 8/4/2020

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Pima Environmental Services LLC

Client Sample ID: S7-3'

Project: New Mexico Fed Com 1

Collection Date: 7/23/2020 9:20:00 AM

Lab ID: 2007C50-026

Matrix: SOIL

Received Date: 7/24/2020 9:50:00 AM

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

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

Qualifiers:	*	Value exceeds Maximum Contaminant Level.	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		

Analytical Report

Lab Order 2007C50

Date Reported: 8/4/2020

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Pima Environmental Services LLC

Client Sample ID: S8-0-6"

Project: New Mexico Fed Com 1

Collection Date: 7/23/2020 9:22:00 AM

Lab ID: 2007C50-027

Matrix: SOIL

Received Date: 7/24/2020 9:50:00 AM

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

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

Qualifiers:	*	Value exceeds Maximum Contaminant Level.	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		

Analytical Report

Lab Order 2007C50

Date Reported: 8/4/2020

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Pima Environmental Services LLC

Client Sample ID: S9-0-6"

Project: New Mexico Fed Com 1

Collection Date: 7/23/2020 9:24:00 AM

Lab ID: 2007C50-028

Matrix: SOIL

Received Date: 7/24/2020 9:50:00 AM

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

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

Qualifiers:

- * Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical 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

Analytical Report

Lab Order 2007C50

Date Reported: 8/4/2020

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Pima Environmental Services LLC

Client Sample ID: S9-1'

Project: New Mexico Fed Com 1

Collection Date: 7/23/2020 9:26:00 AM

Lab ID: 2007C50-029

Matrix: SOIL

Received Date: 7/24/2020 9:50:00 AM

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

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

Qualifiers:	*	Value exceeds Maximum Contaminant Level.
	D	Sample Diluted Due to Matrix
	H	Holding times for preparation or analysis exceeded
	ND	Not Detected at the Reporting Limit
	PQL	Practical 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

Analytical Report

Lab Order 2007C50

Date Reported: 8/4/2020

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Pima Environmental Services LLC

Client Sample ID: S9-2'

Project: New Mexico Fed Com 1

Collection Date: 7/23/2020 9:28:00 AM

Lab ID: 2007C50-030

Matrix: SOIL

Received Date: 7/24/2020 9:50:00 AM

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

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

Qualifiers:	*	Value exceeds Maximum Contaminant Level.	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		

Analytical Report

Lab Order 2007C50

Date Reported: 8/4/2020

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Pima Environmental Services LLC

Client Sample ID: S9-3'

Project: New Mexico Fed Com 1

Collection Date: 7/23/2020 9:30:00 AM

Lab ID: 2007C50-031

Matrix: SOIL

Received Date: 7/24/2020 9:50:00 AM

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

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

Qualifiers:	*	Value exceeds Maximum Contaminant Level.
	D	Sample Diluted Due to Matrix
	H	Holding times for preparation or analysis exceeded
	ND	Not Detected at the Reporting Limit
	PQL	Practical 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#: 2007C50

04-Aug-20

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

Sample ID: MB-54049	SampType: mblk	TestCode: EPA Method 300.0: Anions								
Client ID: PBS	Batch ID: 54049	RunNo: 70709								
Prep Date: 7/29/2020	Analysis Date: 7/29/2020	SeqNo: 2460606	Units: mg/Kg							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	ND	1.5								

Sample ID: LCS-54049	SampType: lcs	TestCode: EPA Method 300.0: Anions								
Client ID: LCSS	Batch ID: 54049	RunNo: 70709								
Prep Date: 7/29/2020	Analysis Date: 7/29/2020	SeqNo: 2460607	Units: mg/Kg							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	14	1.5	15.00	0	92.9	90	110			

Sample ID: MB-54057	SampType: mblk	TestCode: EPA Method 300.0: Anions								
Client ID: PBS	Batch ID: 54057	RunNo: 70743								
Prep Date: 7/30/2020	Analysis Date: 7/30/2020	SeqNo: 2461824	Units: mg/Kg							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	ND	1.5								

Sample ID: LCS-54057	SampType: lcs	TestCode: EPA Method 300.0: Anions								
Client ID: LCSS	Batch ID: 54057	RunNo: 70743								
Prep Date: 7/30/2020	Analysis Date: 7/30/2020	SeqNo: 2461825	Units: mg/Kg							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	14	1.5	15.00	0	93.6	90	110			

Sample ID: MB-54063	SampType: mblk	TestCode: EPA Method 300.0: Anions								
Client ID: PBS	Batch ID: 54063	RunNo: 70743								
Prep Date: 7/30/2020	Analysis Date: 7/30/2020	SeqNo: 2461854	Units: mg/Kg							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	ND	1.5								

Sample ID: LCS-54063	SampType: lcs	TestCode: EPA Method 300.0: Anions								
Client ID: LCSS	Batch ID: 54063	RunNo: 70743								
Prep Date: 7/30/2020	Analysis Date: 7/30/2020	SeqNo: 2461855	Units: mg/Kg							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	14	1.5	15.00	0	93.2	90	110			

Qualifiers:

* Value exceeds Maximum Contaminant Level.
D Sample Diluted Due to Matrix
H Holding times for preparation or analysis exceeded
ND Not Detected at the Reporting Limit
PQL Practical 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#: 2007C50

04-Aug-20

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

Sample ID: MB-54000	SampType: MBLK	TestCode: EPA Method 8015M/D: Diesel Range Organics								
Client ID: PBS	Batch ID: 54000	RunNo: 70696								
Prep Date: 7/28/2020	Analysis Date: 7/30/2020	SeqNo: 2460577	Units: mg/Kg							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	ND	10								
Motor Oil Range Organics (MRO)	ND	50								
Surr: DNOP	8.5		10.00		84.8	30.4	154			

Sample ID: LCS-53998	SampType: LCS	TestCode: EPA Method 8015M/D: Diesel Range Organics								
Client ID: LCSS	Batch ID: 53998	RunNo: 70650								
Prep Date: 7/28/2020	Analysis Date: 7/29/2020	SeqNo: 2461015	Units: mg/Kg							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	50	10	50.00	0	101	70	130			
Surr: DNOP	4.1		5.000		81.5	30.4	154			

Sample ID: MB-53998	SampType: MBLK	TestCode: EPA Method 8015M/D: Diesel Range Organics								
Client ID: PBS	Batch ID: 53998	RunNo: 70650								
Prep Date: 7/28/2020	Analysis Date: 7/29/2020	SeqNo: 2461016	Units: mg/Kg							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	ND	10								
Motor Oil Range Organics (MRO)	ND	50								
Surr: DNOP	8.9		10.00		89.5	30.4	154			

Sample ID: LCS-54000	SampType: LCS	TestCode: EPA Method 8015M/D: Diesel Range Organics								
Client ID: LCSS	Batch ID: 54000	RunNo: 70722								
Prep Date: 7/28/2020	Analysis Date: 7/30/2020	SeqNo: 2462286	Units: mg/Kg							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	52	10	50.00	0	104	70	130			
Surr: DNOP	5.0		5.000		100	30.4	154			

Sample ID: 2007C50-002AMS	SampType: MS	TestCode: EPA Method 8015M/D: Diesel Range Organics								
Client ID: S1-1'	Batch ID: 54000	RunNo: 70722								
Prep Date: 7/28/2020	Analysis Date: 7/30/2020	SeqNo: 2462287	Units: mg/Kg							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	51	9.5	47.39	0	107	47.4	136			
Surr: DNOP	5.0		4.739		105	30.4	154			

Qualifiers:

* Value exceeds Maximum Contaminant Level.
D Sample Diluted Due to Matrix
H Holding times for preparation or analysis exceeded
ND Not Detected at the Reporting Limit
PQL Practical 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#: 2007C50

04-Aug-20

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

Sample ID: 2007C50-002AMSD	SampType: MSD	TestCode: EPA Method 8015M/D: Diesel Range Organics								
Client ID: S1-1'	Batch ID: 54000	RunNo: 70722								
Prep Date: 7/28/2020	Analysis Date: 7/30/2020	SeqNo: 2462288 Units: mg/Kg								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	49	9.6	48.12	0	102	47.4	136	11.2	43.4	
Surr: DNOP	4.8		4.812		99.7	30.4	154	0	0	

Sample ID: MB-54001	SampType: MBLK	TestCode: EPA Method 8015M/D: Diesel Range Organics								
Client ID: PBS	Batch ID: 54001	RunNo: 70722								
Prep Date: 7/28/2020	Analysis Date: 7/30/2020	SeqNo: 2462290 Units: mg/Kg								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	ND	10								
Motor Oil Range Organics (MRO)	ND	50								
Surr: DNOP	9.7		10.00		97.1	30.4	154			

Sample ID: LCS-54001	SampType: LCS	TestCode: EPA Method 8015M/D: Diesel Range Organics								
Client ID: LCSS	Batch ID: 54001	RunNo: 70722								
Prep Date: 7/28/2020	Analysis Date: 7/30/2020	SeqNo: 2462291 Units: mg/Kg								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	49	10	50.00	0	98.0	70	130			
Surr: DNOP	4.7		5.000		93.7	30.4	154			

Sample ID: 2007C50-022AMS	SampType: MS	TestCode: EPA Method 8015M/D: Diesel Range Organics								
Client ID: S6-1'	Batch ID: 54001	RunNo: 70722								
Prep Date: 7/28/2020	Analysis Date: 7/30/2020	SeqNo: 2462293 Units: mg/Kg								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	46	9.8	49.02	5.943	82.7	47.4	136			
Surr: DNOP	4.8		4.902		98.4	30.4	154			

Sample ID: 2007C50-022AMSD	SampType: MSD	TestCode: EPA Method 8015M/D: Diesel Range Organics								
Client ID: S6-1'	Batch ID: 54001	RunNo: 70722								
Prep Date: 7/28/2020	Analysis Date: 7/30/2020	SeqNo: 2462294 Units: mg/Kg								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	44	9.3	46.38	5.943	81.4	47.4	136	6.20	43.4	
Surr: DNOP	4.5		4.638		98.1	30.4	154	0	0	

Qualifiers:

* Value exceeds Maximum Contaminant Level.
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#: 2007C50

04-Aug-20

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

Sample ID: MB-54086	SampType: MBLK			TestCode: EPA Method 8015M/D: Diesel Range Organics						
Client ID: PBS	Batch ID: 54086			RunNo: 70751						
Prep Date: 7/31/2020	Analysis Date: 7/31/2020			SeqNo: 2462385		Units: %Rec				
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: DNOP	10		10.00		103	30.4	154			

Sample ID: LCS-54086	SampType: LCS			TestCode: EPA Method 8015M/D: Diesel Range Organics						
Client ID: LCSS	Batch ID: 54086			RunNo: 70751						
Prep Date: 7/31/2020	Analysis Date: 7/31/2020			SeqNo: 2462386		Units: %Rec				
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: DNOP	4.7		5.000		93.4	30.4	154			

Sample ID: MB-54077	SampType: MBLK			TestCode: EPA Method 8015M/D: Diesel Range Organics						
Client ID: PBS	Batch ID: 54077			RunNo: 70751						
Prep Date: 7/30/2020	Analysis Date: 7/31/2020			SeqNo: 2464683		Units: %Rec				
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: DNOP	10		10.00		102	30.4	154			

Sample ID: LCS-54077	SampType: LCS			TestCode: EPA Method 8015M/D: Diesel Range Organics						
Client ID: LCSS	Batch ID: 54077			RunNo: 70751						
Prep Date: 7/30/2020	Analysis Date: 7/31/2020			SeqNo: 2464684		Units: %Rec				
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: DNOP	4.8		5.000		96.5	30.4	154			

Sample ID: MB-54078	SampType: MBLK			TestCode: EPA Method 8015M/D: Diesel Range Organics						
Client ID: PBS	Batch ID: 54078			RunNo: 70751						
Prep Date: 7/30/2020	Analysis Date: 8/1/2020			SeqNo: 2464775		Units: %Rec				
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: DNOP	9.3		10.00		92.8	30.4	154			

Sample ID: LCS-54078	SampType: LCS			TestCode: EPA Method 8015M/D: Diesel Range Organics						
Client ID: LCSS	Batch ID: 54078			RunNo: 70751						
Prep Date: 7/30/2020	Analysis Date: 8/1/2020			SeqNo: 2464776		Units: %Rec				
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: DNOP	4.8		5.000		95.0	30.4	154			

Qualifiers:

* Value exceeds Maximum Contaminant Level.
D Sample Diluted Due to Matrix
H Holding times for preparation or analysis exceeded
ND Not Detected at the Reporting Limit
PQL Practical 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#: 2007C50

04-Aug-20

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

Sample ID: mb-53951	SampType: MBLK	TestCode: EPA Method 8015D: Gasoline Range								
Client ID: PBS	Batch ID: 53951	RunNo: 70632								
Prep Date: 7/25/2020	Analysis Date: 7/27/2020	SeqNo: 2457768	Units: mg/Kg							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	ND	5.0								
Surr: BFB	880		1000		88.0	66.6	105			

Sample ID: lcs-53951	SampType: LCS	TestCode: EPA Method 8015D: Gasoline Range								
Client ID: LCSS	Batch ID: 53951	RunNo: 70632								
Prep Date: 7/25/2020	Analysis Date: 7/27/2020	SeqNo: 2457769	Units: mg/Kg							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	19	5.0	25.00	0	75.4	72.5	106			
Surr: BFB	970		1000		96.6	66.6	105			

Sample ID: 2007c50-003ams	SampType: MS	TestCode: EPA Method 8015D: Gasoline Range								
Client ID: S1-2'	Batch ID: 53951	RunNo: 70632								
Prep Date: 7/25/2020	Analysis Date: 7/27/2020	SeqNo: 2457772	Units: mg/Kg							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	19	5.0	24.93	0	74.5	61.3	114			
Surr: BFB	980		997.0		97.8	66.6	105			

Sample ID: 2007c50-003amsd	SampType: MSD	TestCode: EPA Method 8015D: Gasoline Range								
Client ID: S1-2'	Batch ID: 53951	RunNo: 70632								
Prep Date: 7/25/2020	Analysis Date: 7/27/2020	SeqNo: 2457773	Units: mg/Kg							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	17	4.9	24.70	0	69.1	61.3	114	8.47	20	
Surr: BFB	920		988.1		93.4	66.6	105	0	0	

Qualifiers:

* Value exceeds Maximum Contaminant Level.
D Sample Diluted Due to Matrix
H Holding times for preparation or analysis exceeded
ND Not Detected at the Reporting Limit
PQL Practical 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#: 2007C50

04-Aug-20

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

Sample ID: mb-53951	SampType: MBLK	TestCode: EPA Method 8021B: Volatiles								
Client ID: PBS	Batch ID: 53951	RunNo: 70632								
Prep Date: 7/25/2020	Analysis Date: 7/27/2020	SeqNo: 2457807 Units: mg/Kg								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	ND	0.025								
Toluene	ND	0.050								
Ethylbenzene	ND	0.050								
Xylenes, Total	ND	0.10								
Surr: 4-Bromofluorobenzene	1.0		1.000		103	80	120			

Sample ID: LCS-53951	SampType: LCS	TestCode: EPA Method 8021B: Volatiles								
Client ID: LCSS	Batch ID: 53951	RunNo: 70632								
Prep Date: 7/25/2020	Analysis Date: 7/27/2020	SeqNo: 2457808 Units: mg/Kg								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.89	0.025	1.000	0	88.8	80	120			
Toluene	0.90	0.050	1.000	0	90.2	80	120			
Ethylbenzene	0.92	0.050	1.000	0	91.7	80	120			
Xylenes, Total	2.8	0.10	3.000	0	93.4	80	120			
Surr: 4-Bromofluorobenzene	1.0		1.000		104	80	120			

Sample ID: 2007c50-002ams	SampType: MS	TestCode: EPA Method 8021B: Volatiles								
Client ID: S1-1'	Batch ID: 53951	RunNo: 70632								
Prep Date: 7/25/2020	Analysis Date: 7/27/2020	SeqNo: 2457810 Units: mg/Kg								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.82	0.025	0.9930	0.01422	81.6	78.5	119			
Toluene	0.84	0.050	0.9930	0.01224	83.6	75.7	123			
Ethylbenzene	0.85	0.050	0.9930	0.01214	84.2	74.3	126			
Xylenes, Total	2.6	0.099	2.979	0.03139	85.6	72.9	130			
Surr: 4-Bromofluorobenzene	1.0		0.9930		101	80	120			

Sample ID: 2007c50-002amsd	SampType: MSD	TestCode: EPA Method 8021B: Volatiles								
Client ID: S1-1'	Batch ID: 53951	RunNo: 70632								
Prep Date: 7/25/2020	Analysis Date: 7/27/2020	SeqNo: 2457811 Units: mg/Kg								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.83	0.025	0.9843	0.01422	82.5	78.5	119	0.164	20	
Toluene	0.88	0.049	0.9843	0.01224	88.3	75.7	123	4.54	20	
Ethylbenzene	0.89	0.049	0.9843	0.01214	89.4	74.3	126	4.93	20	
Xylenes, Total	2.7	0.098	2.953	0.03139	91.2	72.9	130	5.38	20	
Surr: 4-Bromofluorobenzene	1.0		0.9843		106	80	120	0	0	

Qualifiers:

* Value exceeds Maximum Contaminant Level.
D Sample Diluted Due to Matrix
H Holding times for preparation or analysis exceeded
ND Not Detected at the Reporting Limit
PQL Practical 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#: 2007C50

04-Aug-20

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

Sample ID: mb-53950	SampType: MBLK	TestCode: EPA Method 8260B: Volatiles Short List								
Client ID: PBS	Batch ID: 53950	RunNo: 70620								
Prep Date: 7/25/2020	Analysis Date: 7/26/2020	SeqNo: 2457246	Units: mg/Kg							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	ND	0.025								
Toluene	ND	0.050								
Ethylbenzene	ND	0.050								
Xylenes, Total	ND	0.10								
Surr: 1,2-Dichloroethane-d4	0.48		0.5000		96.3	70	130			
Surr: 4-Bromofluorobenzene	0.50		0.5000		101	70	130			
Surr: Dibromofluoromethane	0.50		0.5000		101	70	130			
Surr: Toluene-d8	0.51		0.5000		103	70	130			

Sample ID: lcs-53950	SampType: LCS4	TestCode: EPA Method 8260B: Volatiles Short List								
Client ID: BatchQC	Batch ID: 53950	RunNo: 70620								
Prep Date: 7/25/2020	Analysis Date: 7/26/2020	SeqNo: 2457247	Units: mg/Kg							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	1.0	0.025	1.000	0	99.8	80	120			
Toluene	1.0	0.050	1.000	0	101	80	120			
Ethylbenzene	1.0	0.050	1.000	0	101	80	120			
Xylenes, Total	3.0	0.10	3.000	0	101	80	120			
Surr: 1,2-Dichloroethane-d4	0.48		0.5000		96.5	70	130			
Surr: 4-Bromofluorobenzene	0.47		0.5000		94.5	70	130			
Surr: Dibromofluoromethane	0.50		0.5000		101	70	130			
Surr: Toluene-d8	0.53		0.5000		106	70	130			

Sample ID: mb-53952	SampType: MBLK	TestCode: EPA Method 8260B: Volatiles Short List								
Client ID: PBS	Batch ID: 53952	RunNo: 70643								
Prep Date: 7/25/2020	Analysis Date: 7/27/2020	SeqNo: 2458337	Units: mg/Kg							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	ND	0.025								
Toluene	ND	0.050								
Ethylbenzene	ND	0.050								
Xylenes, Total	ND	0.10								
Surr: 1,2-Dichloroethane-d4	0.50		0.5000		99.4	70	130			
Surr: 4-Bromofluorobenzene	0.46		0.5000		92.6	70	130			
Surr: Dibromofluoromethane	0.51		0.5000		103	70	130			
Surr: Toluene-d8	0.50		0.5000		99.9	70	130			

Qualifiers:

* Value exceeds Maximum Contaminant Level.
D Sample Diluted Due to Matrix
H Holding times for preparation or analysis exceeded
ND Not Detected at the Reporting Limit
PQL Practical 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#: 2007C50

04-Aug-20

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

Sample ID: Ics-53952	SampType: LCS4	TestCode: EPA Method 8260B: Volatiles Short List								
Client ID: BatchQC	Batch ID: 53952	RunNo: 70643								
Prep Date: 7/25/2020	Analysis Date: 7/27/2020	SeqNo: 2458338	Units: mg/Kg							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	1.0	0.025	1.000	0	100	80	120			
Toluene	0.95	0.050	1.000	0	94.9	80	120			
Ethylbenzene	1.0	0.050	1.000	0	101	80	120			
Xylenes, Total	3.1	0.10	3.000	0	102	80	120			
Surr: 1,2-Dichloroethane-d4	0.48		0.5000		96.4	70	130			
Surr: 4-Bromofluorobenzene	0.47		0.5000		93.1	70	130			
Surr: Dibromofluoromethane	0.47		0.5000		94.8	70	130			
Surr: Toluene-d8	0.48		0.5000		95.5	70	130			

Sample ID: 2007c50-022ams	SampType: MS4	TestCode: EPA Method 8260B: Volatiles Short List								
Client ID: S6-1'	Batch ID: 53952	RunNo: 70643								
Prep Date: 7/25/2020	Analysis Date: 7/27/2020	SeqNo: 2458340	Units: mg/Kg							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	1.0	0.025	0.9872	0	105	71.1	115			
Toluene	0.99	0.049	0.9872	0.007081	99.9	79.6	132			
Ethylbenzene	1.0	0.049	0.9872	0	103	83.8	134			
Xylenes, Total	3.2	0.099	2.962	0	107	82.4	132			
Surr: 1,2-Dichloroethane-d4	0.47		0.4936		95.5	70	130			
Surr: 4-Bromofluorobenzene	0.44		0.4936		90.0	70	130			
Surr: Dibromofluoromethane	0.50		0.4936		101	70	130			
Surr: Toluene-d8	0.49		0.4936		99.0	70	130			

Sample ID: 2007c50-022amsd	SampType: MSD4	TestCode: EPA Method 8260B: Volatiles Short List								
Client ID: S6-1'	Batch ID: 53952	RunNo: 70643								
Prep Date: 7/25/2020	Analysis Date: 7/27/2020	SeqNo: 2458341	Units: mg/Kg							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	1.1	0.025	0.9970	0	110	71.1	115	5.81	20	
Toluene	1.1	0.050	0.9970	0.007081	106	79.6	132	7.33	20	
Ethylbenzene	1.1	0.050	0.9970	0	112	83.8	134	9.36	20	
Xylenes, Total	3.3	0.10	2.991	0	111	82.4	132	5.18	20	
Surr: 1,2-Dichloroethane-d4	0.50		0.4985		101	70	130	0	0	
Surr: 4-Bromofluorobenzene	0.46		0.4985		91.8	70	130	0	0	
Surr: Dibromofluoromethane	0.52		0.4985		104	70	130	0	0	
Surr: Toluene-d8	0.49		0.4985		99.1	70	130	0	0	

Qualifiers:

* Value exceeds Maximum Contaminant Level.
D Sample Diluted Due to Matrix
H Holding times for preparation or analysis exceeded
ND Not Detected at the Reporting Limit
PQL Practical 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#: 2007C50

04-Aug-20

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

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

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

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

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

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

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

Qualifiers:

* Value exceeds Maximum Contaminant Level.
D Sample Diluted Due to Matrix
H Holding times for preparation or analysis exceeded
ND Not Detected at the Reporting Limit
PQL Practical 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#: 2007C50

04-Aug-20

Client: Pima Environmental Services LLC

Project: New Mexico Fed Com 1

Sample ID: 2007c50-023amsd		SampType: MSD		TestCode: EPA Method 8015D Mod: Gasoline Range						
Client ID: S7-0-6"		Batch ID: 53952		RunNo: 70643						
Prep Date: 7/25/2020		Analysis Date: 7/27/2020		SeqNo: 2458368		Units: mg/Kg				
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	19	4.9	24.51	0	76.6	49.2	122	1.44	20	
Surr: BFB	500		490.2		103	70	130	0	0	



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

Sample Log-In Check List

Client Name: Pima Environmental
Services LLC

Work Order Number: 2007C50

RcptNo: 1

Received By: **Scott Anderson**

7/24/2020 9:50:00 AM

Completed By: **Juan Rojas**

7/24/2020 10:38:29 AM

Reviewed By:

JR 7/24/20

Chain of Custody

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

Log In

- | | | | |
|--|---|--|--|
| 3. Was an attempt made to cool the samples? | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> | NA <input type="checkbox"/> |
| 4. Were all samples received at a temperature of $>0^{\circ}\text{C}$ to 6.0°C | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> | NA <input type="checkbox"/> |
| 5. Sample(s) in proper container(s)? | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> | |
| 6. Sufficient sample volume for indicated test(s)? | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> | |
| 7. Are samples (except VOA and ONG) properly preserved? | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> | |
| 8. Was preservative added to bottles? | Yes <input type="checkbox"/> | No <input checked="" type="checkbox"/> | NA <input type="checkbox"/> |
| 9. Received at least 1 vial with headspace $<1/4"$ for AQ VOA? | Yes <input type="checkbox"/> | No <input type="checkbox"/> | NA <input checked="" type="checkbox"/> |
| 10. Were any sample containers received broken? | Yes <input type="checkbox"/> | No <input checked="" type="checkbox"/> | |
| 11. Does paperwork match bottle labels?
(Note discrepancies on chain of custody) | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> | |
| 12. Are matrices correctly identified on Chain of Custody? | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> | |
| 13. Is it clear what analyses were requested? | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> | |
| 14. Were all holding times able to be met?
(If no, notify customer for authorization.) | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> | |
- # of preserved bottles checked for pH: (≤ 2)

Adjusted? ☐

Checked by: _____

of preserved bottles checked for pH:
(≤ 2 or >12 unless noted)

Adjusted?

Checked by

Special Handling (if applicable)

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

Person Notified:		Date:	
By Whom:		Via:	<input type="checkbox"/> eMail <input type="checkbox"/> Phone <input type="checkbox"/> Fax <input type="checkbox"/> In Person
Regarding:			
Client Instructions:			

16. Additional remarks:

17. Cooler Information

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

HALL ENVIRONMENTAL ANALYSIS LABORATORY

www.hallenvironmental.com

4901 Hawkins NE - Albuquerque, NM 87109

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

Analysis Request

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@pinacoil.com							
QA/QC Package: <input checked="" type="checkbox"/> Standard <input type="checkbox"/> Level 4 (Full Validation)							
Accreditation: <input type="checkbox"/> Az Compliance <input type="checkbox"/>							
<input type="checkbox"/> NELAC <input type="checkbox"/> Other _____							
<input type="checkbox"/> EDD (Type) _____							
Date	Time	Matrix	Sample Name	Container Type and #	Preservative Type	HEAL No.	
7/23/20	0918		S7 - 2'	GLASS	ICE	-025	
	0920		S7 - 3'			-026	
	0922		S8 - 0-6"			-027	
	0924		S9 - 0-6"			-028	
	0926		S9 - 1'			-029	
	0928		S9 - 2'			-030	
	0930		S9 - 3'	I	I	-031	
Date:	Time:	Relinquished by:			Via:	Date	Time
7/23/20	1900	Chris Jones			Certified	7/23/20	1015
Date:	Time:	Relinquished by:			Via:	Date	Time
7/23/20	1900	Chris Jones			Certified	7/23/20	1015

Bill to Devon

3 of 3



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

August 25, 2020

CHRIS JONES

PIMA ENVIROMENTAL

1601 N TURNER STE. 500

HOBBS, NM 88240

RE: N.M. FED - H1

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

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

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

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

Accreditation applies to public drinking water matrices.

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

Sincerely,

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

Celey D. Keene

Lab Director/Quality Manager



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

Analytical Results For:

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

Received: 08/19/2020
Reported: 08/25/2020
Project Name: N.M. FED - H1
Project Number: 27
Project Location: DEVON - LEA COUNTY

Sampling Date: 08/19/2020
Sampling Type: Soil
Sampling Condition: ** (See Notes)
Sample Received By: Jodi Henson

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

BTEX 8021B		mg/kg		Analyzed By: ms						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	08/20/2020	ND	1.92	96.2	2.00	8.22		
Toluene*	<0.050	0.050	08/20/2020	ND	1.94	97.1	2.00	7.39		
Ethylbenzene*	<0.050	0.050	08/20/2020	ND	1.93	96.7	2.00	6.82		
Total Xylenes*	<0.150	0.150	08/20/2020	ND	5.92	98.6	6.00	6.82		
Total BTEX	<0.300	0.300	08/20/2020	ND						

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	3240	16.0	08/21/2020	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/19/2020	ND	195	97.4	200	0.569	
DRO >C10-C28*	<10.0	10.0	08/19/2020	ND	187	93.6	200	3.59	
EXT DRO >C28-C36	<10.0	10.0	08/19/2020	ND					

Surrogate: 1-Chlorooctane 84.6 % 44.3-144

Surrogate: 1-Chlorooctadecane 89.1 % 42.2-156

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received: 08/19/2020
Reported: 08/25/2020
Project Name: N.M. FED - H1
Project Number: 27
Project Location: DEVON - LEA COUNTY

Sampling Date: 08/19/2020
Sampling Type: Soil
Sampling Condition: ** (See Notes)
Sample Received By: Jodi Henson

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

BTX 8021B		mg/kg		Analyzed By: ms						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	08/20/2020	ND	1.92	96.2	2.00	8.22		
Toluene*	<0.050	0.050	08/20/2020	ND	1.94	97.1	2.00	7.39		
Ethylbenzene*	<0.050	0.050	08/20/2020	ND	1.93	96.7	2.00	6.82		
Total Xylenes*	<0.150	0.150	08/20/2020	ND	5.92	98.6	6.00	6.82		
Total BTX	<0.300	0.300	08/20/2020	ND						

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	224	16.0	08/21/2020	ND	416	104	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/19/2020	ND	195	97.4	200	0.569	
DRO >C10-C28*	13.6	10.0	08/19/2020	ND	187	93.6	200	3.59	
EXT DRO >C28-C36	<10.0	10.0	08/19/2020	ND					

Surrogate: 1-Chlorooctane 84.6 % 44.3-144

Surrogate: 1-Chlorooctadecane 90.0 % 42.2-156

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received: 08/19/2020
Reported: 08/25/2020
Project Name: N.M. FED - H1
Project Number: 27
Project Location: DEVON - LEA COUNTY

Sampling Date: 08/19/2020
Sampling Type: Soil
Sampling Condition: ** (See Notes)
Sample Received By: Jodi Henson

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

BTX 8021B		mg/kg		Analyzed By: ms						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	08/20/2020	ND	1.92	96.2	2.00	8.22		
Toluene*	<0.050	0.050	08/20/2020	ND	1.94	97.1	2.00	7.39		
Ethylbenzene*	<0.050	0.050	08/20/2020	ND	1.93	96.7	2.00	6.82		
Total Xylenes*	<0.150	0.150	08/20/2020	ND	5.92	98.6	6.00	6.82		
Total BTX	<0.300	0.300	08/20/2020	ND						

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	1520	16.0	08/21/2020	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/19/2020	ND	195	97.4	200	0.569	
DRO >C10-C28*	<10.0	10.0	08/19/2020	ND	187	93.6	200	3.59	
EXT DRO >C28-C36	<10.0	10.0	08/19/2020	ND					

Surrogate: 1-Chlorooctane 82.4 % 44.3-144

Surrogate: 1-Chlorooctadecane 88.2 % 42.2-156

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received: 08/19/2020
Reported: 08/25/2020
Project Name: N.M. FED - H1
Project Number: 27
Project Location: DEVON - LEA COUNTY

Sampling Date: 08/19/2020
Sampling Type: Soil
Sampling Condition: ** (See Notes)
Sample Received By: Jodi Henson

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

BTX 8021B		mg/kg		Analyzed By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/20/2020	ND	1.92	96.2	2.00	8.22	
Toluene*	<0.050	0.050	08/20/2020	ND	1.94	97.1	2.00	7.39	
Ethylbenzene*	<0.050	0.050	08/20/2020	ND	1.93	96.7	2.00	6.82	
Total Xylenes*	<0.150	0.150	08/20/2020	ND	5.92	98.6	6.00	6.82	
Total BTX	<0.300	0.300	08/20/2020	ND					

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	784	16.0	08/21/2020	ND	416	104	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/19/2020	ND	195	97.4	200	0.569	
DRO >C10-C28*	<10.0	10.0	08/19/2020	ND	187	93.6	200	3.59	
EXT DRO >C28-C36	<10.0	10.0	08/19/2020	ND					

Surrogate: 1-Chlorooctane 65.5 % 44.3-144

Surrogate: 1-Chlorooctadecane 70.2 % 42.2-156

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Celey D. Keene, Lab Director/Quality Manager



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Notes and Definitions

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

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

Celey D. Keene, Lab Director/Quality Manager

(575) 393-2326 FAX (575) 393-2476

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

17-ORNI-000 R.S. 1 00/04/20

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