Pima Environmental Services, LLC
1601 N. Turner Ste 500
Hobbs, NM 88240
575-631-6977

July 1, 2020

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

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

Dear Mr. Amos & Mr. Bratcher,

Pima Environmental Services, LLC (Pima) has conducted a site assessment, soil sampling services and has prepared this Closure Report on behalf of Devon Energy Production Company (Devon) for the Antares 23 Fed #13H (Antares 13H). This incident was assigned 2RP-4362 by the New Mexico Oil Conservation Division (NMOCD).

Site Information and Site Characterization

The Antares 13H is located approximately twenty-seven (27) miles northeast of Carlsbad, NM. This site is in Unit E, Section 23, Township 19S, Range 31E, Latitude 32.6466408, Longitude -103.8479309, Eddy County, NM. Figure 1 references a location map.

Per the New Mexico Bureau of Geology and Mineral Resources, the local surface and shallow geology are eolian and piedmont deposits, Holocene to middle Pleistocene in age. The soil in this area is made up of Berino 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.

Based upon well water data, depth to the nearest groundwater in this area is greater than 130 feet below grade surface (BGS). There are no known water wells within ½ mile of this location, according to the New Mexico Office of the State Engineer. According to the United States Geological Survey (USGS), the groundwater levels are approximately 141 feet BGS. 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
130'	20,000 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 and Figure 3 for a Karst Map.

Release Information

2RP-4362: On August 17, 2017, a buried steel flowline ruptured. The well was shut in and repairs were made. The spill resulted in the release of approximately 5 bbls of crude oil. Initial response activities were conducted by the operator and included source elimination and site containment and the recovery of approximately 2 bbls of crude oil. An area on the southeast side off of the location ranged approximately 15 feet by 20 feet. Figure 4 references a site map illustrating spill area and sample points.

Site Assessment and Soil Sampling Results

On June 19, 2020, soil samples were collected from the vicinity in the pasture. The sample results are on the following data table.

6-19-20 Soil Sample Results

NMOCD Table 1 Closure Criteria 19.15.29 NMAC (Depth to Groundwater is >100')											
Sample Date 6-19-20		Field Screening Utilizing PID Meter, Chloride Strips and 5300 Method			NM Approved Laboratory Results						
Sample ID	Depth (BGS)	VOC	Benzene	Chlorides	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	ND
	1				ND	ND	ND	ND	ND	ND	ND
	2				ND	ND	ND	9.9	ND	9.9	280
	3				ND	ND	ND	ND	ND	ND	ND
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	ND	ND	ND	ND
	1				ND	ND	ND	ND	ND	ND	ND
	2				ND	ND	ND	ND	ND	ND	ND
	3				ND	ND	ND	ND	ND	ND	ND
S-4	0-6				ND	ND	ND	ND	ND	ND	ND
	1				ND	ND	ND	9.8	73	82.8	ND
	2				ND	ND	ND	ND	ND	ND	ND
	3				ND	ND	ND	110	70	180	ND
S-5	0-6				ND	ND	ND	ND	ND	ND	ND
	1				ND	ND	ND	ND	ND	ND	ND
	2				ND	ND	ND	ND	ND	ND	ND
	3				ND	ND	ND	ND	ND	ND	ND
S-6	0-6				ND	ND	ND	ND	ND	ND	ND
	1				ND	ND	ND	ND	ND	ND	ND
	2				ND	ND	ND	ND	ND	ND	ND
	3				ND	ND	ND	15	57	72	170
BG-1	0				ND	ND	ND	ND	ND	ND	ND
BG-2	0				ND	ND	ND	ND	ND	ND	ND
BG-2A	0				ND	ND	ND	ND	ND	ND	ND
BG-3	0				ND	ND	ND	ND	ND	ND	ND
BG-4	0				ND	ND	ND	ND	ND	ND	ND
BG-5	0				ND	ND	ND	ND	ND	ND	ND
BG-6	0				ND	ND	ND	ND	ND	ND	ND
BG-7	0				ND	ND	ND	ND	ND	ND	ND
BG-8	0				ND	ND	ND	ND	ND	ND	ND

ND- Analyte Not Detected

A Complete Laboratory Report is attached in Appendix D.

Remediation Activities

According to 19.15.29 closure criteria, the results of our soil sampling all samples are below the standard closure criteria, and no remediation actions are required for this incident.

Closure Request

On behalf of Devon Energy, we respectfully request that closure with regards to incident 2RP-4362 will be granted based on the data.

Chris Jones- Environmental Professional

Attachments

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

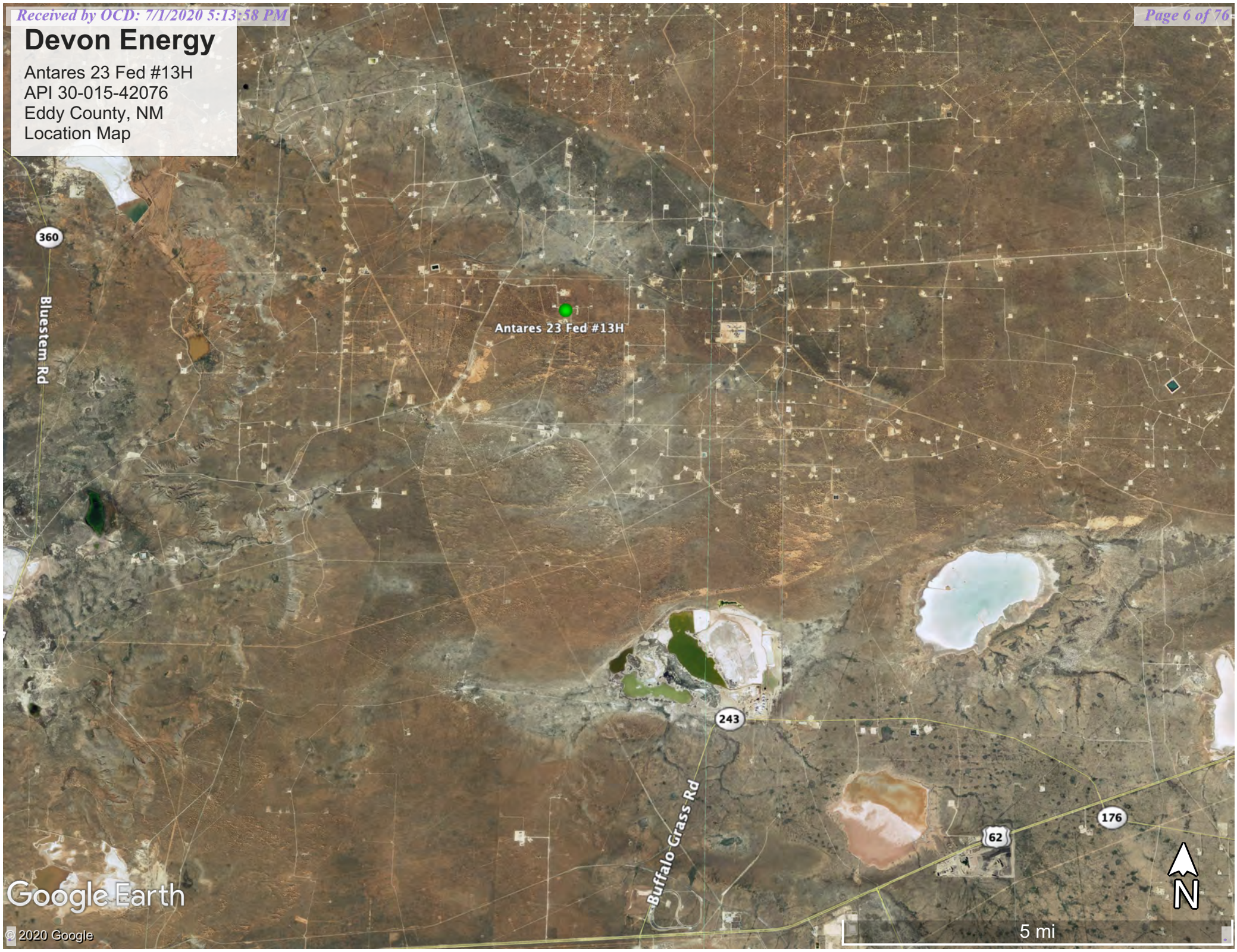
Appendices:
Appendix A- Referenced Water Surveys
Appendix B- Soil Survey and Geological Data
Appendix C- C-141's
Appendix D- Laboratory Reports

Pima Environmental Services

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

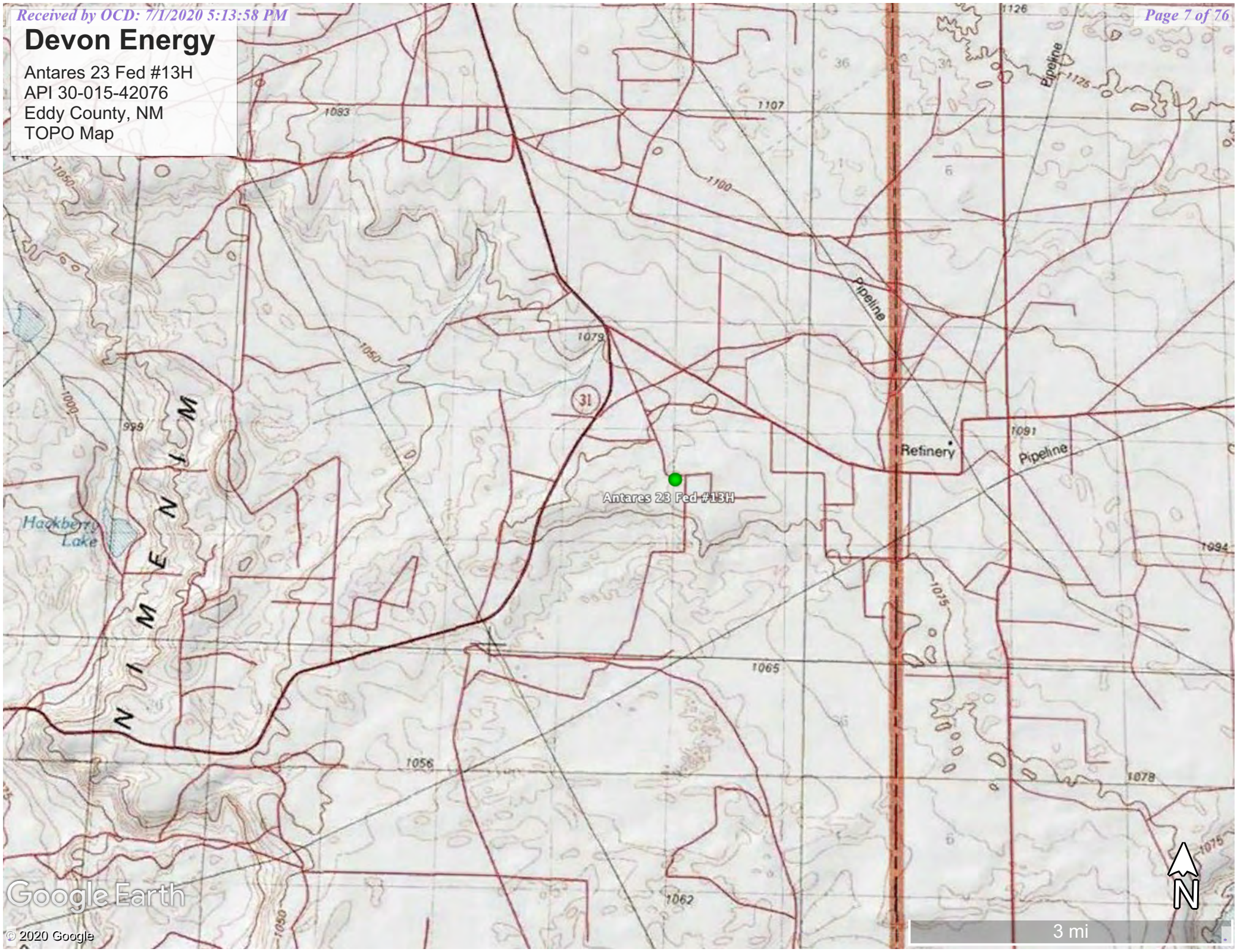
Devon Energy

Antares 23 Fed #13H
API 30-015-42076
Eddy County, NM
Location Map



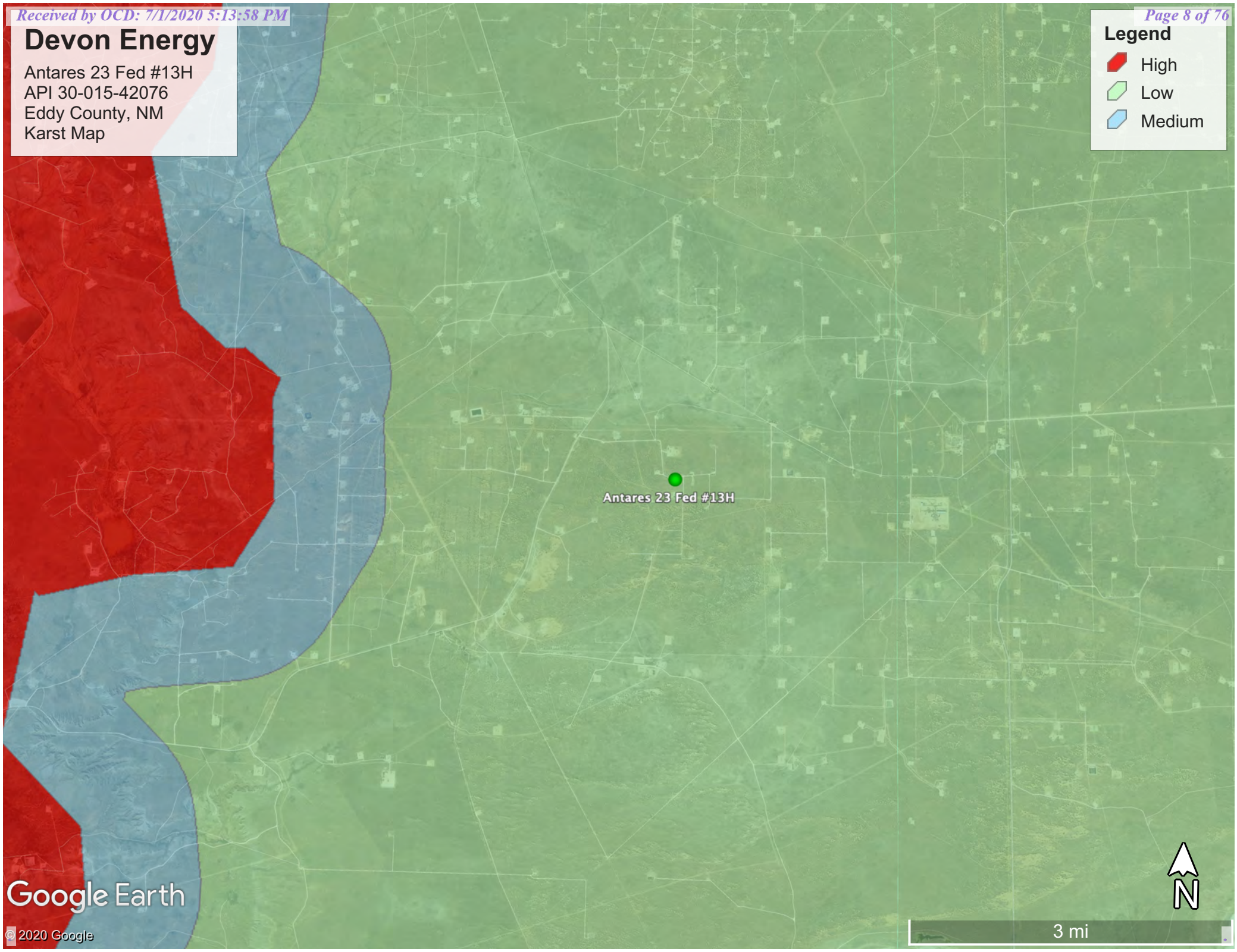
Devon Energy

Antares 23 Fed #13H
API 30-015-42076
Eddy County, NM
TOPO Map



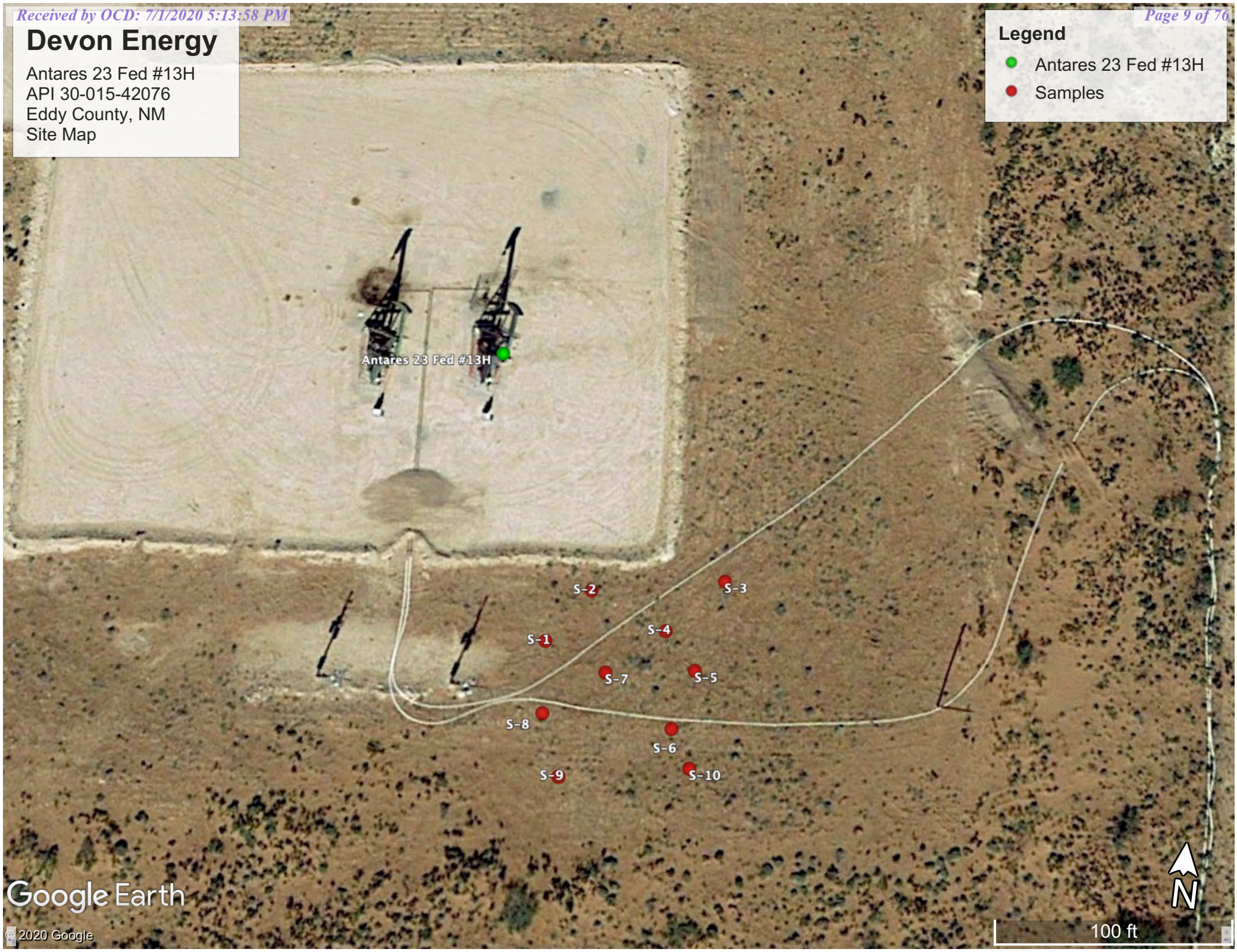
Devon Energy

Antares 23 Fed #13H
API 30-015-42076
Eddy County, NM
Karst Map



Devon Energy

Antares 23 Fed #13H
API 30-015-42076
Eddy County, NM
Site Map



Pima Environmental Services

Appendix A
Water Surveys:
OSE
USGS

New Mexico Office of the State Engineer

Water Column/Average Depth to Water

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

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

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

POD Number	Code	POD Sub-basin	County	Q 64	Q 16	Q 4	Sec	Tws	Rng	X	Y	Distance	Depth Well	Depth Water	Water Column
CP 01554 POD2		CP	LE	2	2	1	22	19S	31E	607165	3613322	1092	400		
CP 01554 POD1		CP	LE	2	2	1	22	19S	31E	607166	3613354	1111	400		
CP 00829 POD1		CP	LE		2	4	16	19S	31E	606165	3614009*	2305	120		
CP 00642 POD1		CP	ED		2	2	25	19S	31E	611025	3611657*	3143	250		
CP 00641 POD1		CP	ED		4	1	36	19S	31E	610247	3609634*	3760	300	130	170
CP 00722 POD1		CP	LE	4	3	3	28	19S	31E	605106	3610273*	3814	200		
CP 00725 POD1		CP	ED	1	3	3	28	19S	31E	604906	3610473*	3852	231		
CP 00723 POD1		CP	ED	2	1	1	33	19S	31E	605111	3610071*	3941	139		
CP 00722 POD3		CP	LE	2	4	1	33	19S	31E	605519	3609673*	3942	220	140	80

Average Depth to Water: **135 feet**

Minimum Depth: **130 feet**

Maximum Depth: **140 feet**

Record Count: 9

UTMNAD83 Radius Search (in meters):

Easting (X): 608056.424 **Northing (Y):** 3612690.69 **Radius:** 4000

***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.

Received by OCD: 7/1/2020 5:13:58 PM

Received by OCD: 7/1/2020 5:13:58 PM

USGS
science for a changing world

USGS Home
Contact USGS
Search USGS

National Water Information System: Web Interface

USGS Water Resources

Data Category: Groundwater | Geographic Area: United States | GO

Click to hide News Bulletins

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

Groundwater levels for the Nation

Search Results -- 1 sites found

site_no list =
- 323807103510601

Minimum number of levels = 1

Save file of selected sites to local disk for future upload

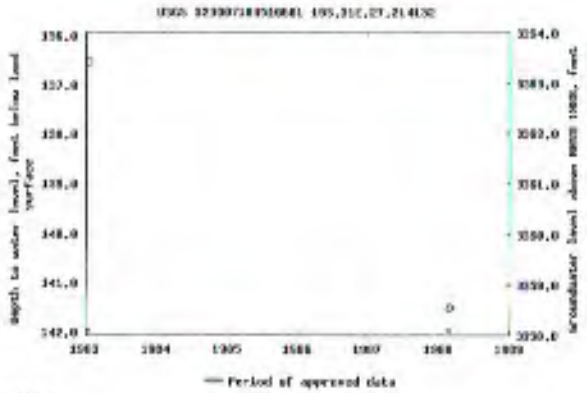
USGS 323807103510601 19S.31E.27.214132

Available data for this site: Groundwater: Field measurements | GO

Eddy County, New Mexico
Hydrologic Unit Code 13060011
Latitude 32°38'07", Longitude 103°51'06" NAD27
Land-surface elevation 3,500 feet above NAVD88
The depth of the well is 177 feet below land surface.
This well is completed in the Rustler Formation (312RSLR) 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
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U.S. Department of the Interior | U.S. Geological Survey
Title: Groundwater for USA: Water Levels
URL: https://nwis.waterdata.usgs.gov/nwis/gwlevels?

Page Contact Information: USGS Water Data Support Team
Page Last Modified: 2020-06-16 13:57:30 EDT
0.68 0.67 nadww01

USA.gov

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Appendix B
Soil Survey & Geological Data:
USDA

Eddy Area, New Mexico

BB—Berino complex, 0 to 3 percent slopes, eroded

Map Unit Setting

National map unit symbol: 1w43
Elevation: 2,000 to 5,700 feet
Mean annual precipitation: 5 to 15 inches
Mean annual air temperature: 57 to 70 degrees F
Frost-free period: 180 to 260 days
Farmland classification: Not prime farmland

Map Unit Composition

Berino and similar soils: 60 percent
Pajarito and similar soils: 25 percent
Minor components: 15 percent
Estimates are based on observations, descriptions, and transects of the mapunit.

Description of Berino

Setting

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

Typical profile

H1 - 0 to 17 inches: fine sand
H2 - 17 to 58 inches: sandy clay loam
H3 - 58 to 60 inches: loamy sand

Properties and qualities

Slope: 0 to 3 percent
Depth to restrictive feature: More than 80 inches
Natural drainage class: Well drained
Runoff class: Low
Capacity of the most limiting layer to transmit water (Ksat): Moderately high to high (0.60 to 2.00 in/hr)
Depth to water table: More than 80 inches
Frequency of flooding: None
Frequency of ponding: None
Calcium carbonate, maximum in profile: 40 percent
Salinity, maximum in profile: Very slightly saline to slightly saline (2.0 to 4.0 mmhos/cm)
Sodium adsorption ratio, maximum in profile: 1.0
Available water storage in profile: Moderate (about 8.0 inches)

Interpretive groups

Land capability classification (irrigated): None specified
Land capability classification (nonirrigated): 7e

Hydrologic Soil Group: B
Ecological site: Loamy Sand (R042XC003NM)
Hydric soil rating: No

Description of Pajarito

Setting

Landform: Interdunes, plains, dunes
Landform position (three-dimensional): Side slope
Down-slope shape: Linear, convex
Across-slope shape: Linear, convex
Parent material: Mixed alluvium and/or eolian sands

Typical profile

H1 - 0 to 9 inches: loamy fine sand
H2 - 9 to 72 inches: fine sandy loam

Properties and qualities

Slope: 0 to 3 percent
Depth to restrictive feature: More than 80 inches
Natural drainage class: Well drained
Runoff class: Very low
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 in profile: 40 percent
Salinity, maximum in profile: Nonsaline (0.0 to 1.0 mmhos/cm)
Sodium adsorption ratio, maximum in profile: 1.0
Available water storage in profile: Moderate (about 8.0 inches)

Interpretive groups

Land capability classification (irrigated): 2e
Land capability classification (nonirrigated): 7e
Hydrologic Soil Group: A
Ecological site: Loamy Sand (R042XC003NM)
Hydric soil rating: No

Minor Components

Cacique

Percent of map unit: 4 percent
Ecological site: Sandy (R042XC004NM)
Hydric soil rating: No

Wink

Percent of map unit: 4 percent
Ecological site: Loamy Sand (R042XC003NM)
Hydric soil rating: No

Pajarito

Percent of map unit: 4 percent
Ecological site: Loamy Sand (R042XC003NM)
Hydric soil rating: No

Kermit

Percent of map unit: 3 percent
Ecological site: Deep Sand (R042XC005NM)
Hydric soil rating: No

Data Source Information

Soil Survey Area: Eddy Area, New Mexico
Survey Area Data: Version 15, Sep 15, 2019

Pima Environmental Services

Appendix C
C-141's:
Initial
Final

NM OIL CONSERVATION
ARTESIA DISTRICT
AUG 25 2017
RECEIVED

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

State of New Mexico
Energy Minerals and Natural Resources

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

Form C-141
Revised August 8, 2011

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

Release Notification and Corrective Action

nAB1724042193

OPERATOR

☒ Initial Report ☐ Final Report

Name of Company Devon Energy Production Company 6137	**Contact** Wesley Ryan-Production Foreman
Address 6488 Seven Rivers Hwy Artesia, NM 88210	**Telephone No.** 575-390-5436
Facility Name Antares 23 Federal 13H	**Facility Type** Oil

Surface Owner Federal	**Mineral Owner** Federal	**API No** 30-015-42076

LOCATION OF RELEASE

Unit Letter	Section	Township	Range	Feet from the	North/South Line	Feet from the	East/West Line	County
E	23	19S	31E	2400	FNL	190	FWL	Eddy

Latitude: 32.6466408 **Longitude:** -103.8479309

NATURE OF RELEASE

Type of Release Oil	**Volume of Release** 5 BBLS	**Volume Recovered** 2 BBLS
Source of Release Steel Flow Line	**Date and Hour of Occurrence** August 17, 2017 9:30 AM	**Date and Hour of Discovery** August 17, 2017 9:30 AM
Was Immediate Notice Given? ☒ Yes ☐ No ☐ Not Required	**If YES, To Whom?** BLM- Shelly Tucker & OCD-Mike Bratcher	
By Whom? Wesley Ryan-Production Foreman	**Date and Hour** BLM: August 17, 2017 1:42 PM OCD August 17, 2017 1:45 PM	
Was a Watercourse Reached? ☐ Yes ☒ No	**If YES, Volume Impacting the Watercourse** N/A	

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

Describe Cause of Problem and Remedial Action Taken.*
A buried steel flow line ruptured resulting in the release. The well was shut in to prevent any farther release. Flow line will be scheduled for repaired.

Describe Area Affected and Cleanup Action Taken.*
5 BBLS of Oil was released. A vacuum truck was dispatched and 2 BBLS of Oil was recovered. The release originated from the flow line that is located off the well pad on the Southeast side. Approximately 200 yards from the well. An area approximately 15FT X 20FT off well pad was affected by the release. An environmental contractor will be contacted to assist with the delineation and remediation.

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

Signature: Jennifer Reyna	OIL CONSERVATION DIVISION
Printed Name: Jennifer Reyna	Approved by Environmental Specialist: Crystal Weaver
Title: **Field Admin Support**	Approval Date: 8/28/17 Expiration Date: N/A
E-mail Address: **jennifer.reyna@dvn.com**	Conditions of Approval: see attached Attached ☒ 2RP-4342
Date: 8/21/2017 Phone: **575.746.5588**	

* Attach Additional Sheets If Necessary

Operator/Responsible Party,

The OCD has received the form C-141 you provided on **8/25/17** regarding an unauthorized release. The information contained on that form has been entered into our incident database and remediation case number 3RP-436D 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 II office in Artesia on or before 9/25/17. If and when the release characterization workplan is approved, there will be an associated deadline for submittal of the resultant investigation report. Modest extensions of time to these deadlines may be granted, but only with acceptable justification.**

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

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

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

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

- Composite sampling is not generally allowed.

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

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

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

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

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

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

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

Form C-141
Page 3

State of New Mexico
Oil Conservation Division

Incident ID	
District RP	2RP-4362
Facility ID	
Application ID	

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

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

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

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

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

Form C-141
Page 4

State of New Mexico
Oil Conservation Division

Incident ID	
District RP	2RP-4362
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: Chris Jones

Title: Project Manager

Signature:

Date: 7-1-20

email: chris@rpimoil.com

Telephone: 575-964-7740

OCD Only

Received by: _____

Date: _____

Form C-141
Page 5

State of New Mexico
Oil Conservation Division

Incident ID	
District RP	2RP-4362
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: Chris Jones — Title: Project Manager

Signature: — Date: 7-1-20

email: chris@pimaoil.com — Telephone: 575-964-7740

OCD Only

Received by: _____ Date: _____

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

Signature: _____ Date: _____

State of New Mexico
Oil Conservation Division

Incident ID	
District RP	2RP-4362
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 OCD 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: Chris Jones Title: Project Manager

Signature: Date: 7-1-20

email: chris@pimaoil.com Telephone: 575-964-7740

OCD Only

Received by: _____ Date: _____

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

Closure Approved by: _____ Date: _____

Printed Name: _____ Title: _____

Pima Environmental Services

Appendix D:
Laboratory Reports

HALL ENVIRONMENTAL ANALYSIS LABORATORY

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

June 30, 2020

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

RE: Antares 23 Fed 13H OrderNo.: 2006B24

Dear Chris Jones:

Hall Environmental Analysis Laboratory received 33 sample(s) on 6/23/2020 for the analyses presented in the following report.

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

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

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

Sincerely,

Andy Freeman
Laboratory Manager
4901 Hawkins NE
Albuquerque, NM 87109

Analytical Report
Lab Order **2006B24**
Date Reported: **6/30/2020**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Pima Environmental Services LLC
Client Sample ID: S-1 0"-6"
Project: Antares 23 Fed 13H
Collection Date: 6/19/2020 12:00:00 PM
Lab ID: 2006B24-001 **Matrix:** SOIL
Received Date: 6/23/2020 9:10:00 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	6/26/2020 8:11:59 PM
Motor Oil Range Organics (MRO)	ND	49		mg/Kg	1	6/26/2020 8:11:59 PM
Surr: DNOP	82.0	55.1-146		%Rec	1	6/26/2020 8:11:59 PM
EPA METHOD 300.0: ANIONS						Analyst: **JMT**
Chloride	ND	60		mg/Kg	20	6/27/2020 6:05:51 AM
EPA METHOD 8260B: VOLATILES SHORT LIST						Analyst: **JMR**
Benzene	ND	0.024		mg/Kg	1	6/25/2020 12:28:54 AM
Toluene	ND	0.049		mg/Kg	1	6/25/2020 12:28:54 AM
Ethylbenzene	ND	0.049		mg/Kg	1	6/25/2020 12:28:54 AM
Xylenes, Total	ND	0.098		mg/Kg	1	6/25/2020 12:28:54 AM
Surr: 1,2-Dichloroethane-d4	108	70-130		%Rec	1	6/25/2020 12:28:54 AM
Surr: 4-Bromofluorobenzene	93.3	70-130		%Rec	1	6/25/2020 12:28:54 AM
Surr: Dibromofluoromethane	103	70-130		%Rec	1	6/25/2020 12:28:54 AM
Surr: Toluene-d8	106	70-130		%Rec	1	6/25/2020 12:28:54 AM
EPA METHOD 8015D MOD: GASOLINE RANGE						Analyst: **JMR**
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	6/25/2020 12:28:54 AM
Surr: BFB	94.8	70-130		%Rec	1	6/25/2020 12:28:54 AM

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

Qualifiers:

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

Analytical Report
Lab Order **2006B24**
Date Reported: **6/30/2020**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Pima Environmental Services LLC
Client Sample ID: S-1 1"
Project: Antares 23 Fed 13H
Collection Date: 6/19/2020 12:02:00 PM
Lab ID: 2006B24-002 **Matrix:** SOIL
Received Date: 6/23/2020 9:10:00 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	6/26/2020 8:22:20 PM
Motor Oil Range Organics (MRO)	ND	50		mg/Kg	1	6/26/2020 8:22:20 PM
Surr: DNOP	77.0	55.1-146		%Rec	1	6/26/2020 8:22:20 PM
EPA METHOD 300.0: ANIONS						Analyst: **JMT**
Chloride	ND	61		mg/Kg	20	6/27/2020 6:42:52 AM
EPA METHOD 8260B: VOLATILES SHORT LIST						Analyst: **JMR**
Benzene	ND	0.025		mg/Kg	1	6/25/2020 12:57:26 AM
Toluene	ND	0.050		mg/Kg	1	6/25/2020 12:57:26 AM
Ethylbenzene	ND	0.050		mg/Kg	1	6/25/2020 12:57:26 AM
Xylenes, Total	ND	0.099		mg/Kg	1	6/25/2020 12:57:26 AM
Surr: 1,2-Dichloroethane-d4	105	70-130		%Rec	1	6/25/2020 12:57:26 AM
Surr: 4-Bromofluorobenzene	95.6	70-130		%Rec	1	6/25/2020 12:57:26 AM
Surr: Dibromofluoromethane	106	70-130		%Rec	1	6/25/2020 12:57:26 AM
Surr: Toluene-d8	104	70-130		%Rec	1	6/25/2020 12:57:26 AM
EPA METHOD 8015D MOD: GASOLINE RANGE						Analyst: **JMR**
Gasoline Range Organics (GRO)	ND	5.0		mg/Kg	1	6/25/2020 12:57:26 AM
Surr: BFB	97.5	70-130		%Rec	1	6/25/2020 12:57:26 AM

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

Qualifiers:

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

Analytical Report
Lab Order **2006B24**
Date Reported: **6/30/2020**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Pima Environmental Services LLC
Client Sample ID: S-1 2'
Project: Antares 23 Fed 13H
Collection Date: 6/19/2020 12:04:00 PM
Lab ID: 2006B24-003 **Matrix:** SOIL
Received Date: 6/23/2020 9:10:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **BRM**
Diesel Range Organics (DRO)	9.9	9.7		mg/Kg	1	6/26/2020 8:32:39 PM
Motor Oil Range Organics (MRO)	ND	49		mg/Kg	1	6/26/2020 8:32:39 PM
Surr: DNOP	83.3	55.1-146		%Rec	1	6/26/2020 8:32:39 PM
EPA METHOD 300.0: ANIONS						Analyst: **JMT**
Chloride	280	59		mg/Kg	20	6/27/2020 6:55:12 AM
EPA METHOD 8260B: VOLATILES SHORT LIST						Analyst: **JMR**
Benzene	ND	0.025		mg/Kg	1	6/25/2020 1:25:58 AM
Toluene	ND	0.049		mg/Kg	1	6/25/2020 1:25:58 AM
Ethylbenzene	ND	0.049		mg/Kg	1	6/25/2020 1:25:58 AM
Xylenes, Total	ND	0.098		mg/Kg	1	6/25/2020 1:25:58 AM
Surr: 1,2-Dichloroethane-d4	110	70-130		%Rec	1	6/25/2020 1:25:58 AM
Surr: 4-Bromofluorobenzene	94.9	70-130		%Rec	1	6/25/2020 1:25:58 AM
Surr: Dibromofluoromethane	108	70-130		%Rec	1	6/25/2020 1:25:58 AM
Surr: Toluene-d8	106	70-130		%Rec	1	6/25/2020 1:25:58 AM
EPA METHOD 8015D MOD: GASOLINE RANGE						Analyst: **JMR**
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	6/25/2020 1:25:58 AM
Surr: BFB	95.9	70-130		%Rec	1	6/25/2020 1:25:58 AM

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

Qualifiers:

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

Analytical Report
Lab Order **2006B24**
Date Reported: **6/30/2020**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Pima Environmental Services LLC
Client Sample ID: S-1 3'
Project: Antares 23 Fed 13H
Collection Date: 6/19/2020 12:06:00 PM
Lab ID: 2006B24-004 **Matrix:** SOIL
Received Date: 6/23/2020 9:10:00 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	6/26/2020 8:42:51 PM
Motor Oil Range Organics (MRO)	ND	48		mg/Kg	1	6/26/2020 8:42:51 PM
Surr: DNOP	59.7	55.1-146		%Rec	1	6/26/2020 8:42:51 PM
EPA METHOD 300.0: ANIONS						Analyst: **JMT**
Chloride	ND	60		mg/Kg	20	6/27/2020 7:32:14 AM
EPA METHOD 8260B: VOLATILES SHORT LIST						Analyst: **JMR**
Benzene	ND	0.025		mg/Kg	1	6/25/2020 1:54:30 AM
Toluene	ND	0.050		mg/Kg	1	6/25/2020 1:54:30 AM
Ethylbenzene	ND	0.050		mg/Kg	1	6/25/2020 1:54:30 AM
Xylenes, Total	ND	0.099		mg/Kg	1	6/25/2020 1:54:30 AM
Surr: 1,2-Dichloroethane-d4	111	70-130		%Rec	1	6/25/2020 1:54:30 AM
Surr: 4-Bromofluorobenzene	91.4	70-130		%Rec	1	6/25/2020 1:54:30 AM
Surr: Dibromofluoromethane	110	70-130		%Rec	1	6/25/2020 1:54:30 AM
Surr: Toluene-d8	108	70-130		%Rec	1	6/25/2020 1:54:30 AM
EPA METHOD 8015D MOD: GASOLINE RANGE						Analyst: **JMR**
Gasoline Range Organics (GRO)	ND	5.0		mg/Kg	1	6/25/2020 1:54:30 AM
Surr: BFB	95.0	70-130		%Rec	1	6/25/2020 1:54:30 AM

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

Qualifiers:

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

Analytical Report
Lab Order **2006B24**
Date Reported: **6/30/2020**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Pima Environmental Services LLC
Client Sample ID: S-2 0"-6"
Project: Antares 23 Fed 13H
Collection Date: 6/19/2020 12:08:00 PM
Lab ID: 2006B24-005 **Matrix:** SOIL
Received Date: 6/23/2020 9:10:00 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	6/26/2020 8:53:09 PM
Motor Oil Range Organics (MRO)	ND	49		mg/Kg	1	6/26/2020 8:53:09 PM
Surr: DNOP	64.9	55.1-146		%Rec	1	6/26/2020 8:53:09 PM
EPA METHOD 300.0: ANIONS						Analyst: **JMT**
Chloride	ND	60		mg/Kg	20	6/27/2020 7:44:34 AM
EPA METHOD 8260B: VOLATILES SHORT LIST						Analyst: **JMR**
Benzene	ND	0.025		mg/Kg	1	6/25/2020 2:22:59 AM
Toluene	ND	0.049		mg/Kg	1	6/25/2020 2:22:59 AM
Ethylbenzene	ND	0.049		mg/Kg	1	6/25/2020 2:22:59 AM
Xylenes, Total	ND	0.099		mg/Kg	1	6/25/2020 2:22:59 AM
Surr: 1,2-Dichloroethane-d4	107	70-130		%Rec	1	6/25/2020 2:22:59 AM
Surr: 4-Bromofluorobenzene	97.3	70-130		%Rec	1	6/25/2020 2:22:59 AM
Surr: Dibromofluoromethane	105	70-130		%Rec	1	6/25/2020 2:22:59 AM
Surr: Toluene-d8	105	70-130		%Rec	1	6/25/2020 2:22:59 AM
EPA METHOD 8015D MOD: GASOLINE RANGE						Analyst: **JMR**
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	6/25/2020 2:22:59 AM
Surr: BFB	97.4	70-130		%Rec	1	6/25/2020 2:22:59 AM

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

Qualifiers:

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

Analytical Report
Lab Order **2006B24**
Date Reported: **6/30/2020**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Pima Environmental Services LLC
Client Sample ID: S-2 1'
Project: Antares 23 Fed 13H
Collection Date: 6/19/2020 12:10:00 PM
Lab ID: 2006B24-006 **Matrix:** SOIL **Received Date:** 6/23/2020 9:10:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **CLP**
Diesel Range Organics (DRO)	ND	9.8		mg/Kg	1	6/25/2020 10:52:55 AM
Motor Oil Range Organics (MRO)	ND	49		mg/Kg	1	6/25/2020 10:52:55 AM
Surr: DNOP	114	55.1-146		%Rec	1	6/25/2020 10:52:55 AM
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **RAA**
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	6/25/2020 9:15:43 AM
Surr: BFB	96.8	66.6-105		%Rec	1	6/25/2020 9:15:43 AM
EPA METHOD 8021B: VOLATILES						Analyst: **RAA**
Benzene	ND	0.024		mg/Kg	1	6/25/2020 9:15:43 AM
Toluene	ND	0.049		mg/Kg	1	6/25/2020 9:15:43 AM
Ethylbenzene	ND	0.049		mg/Kg	1	6/25/2020 9:15:43 AM
Xylenes, Total	ND	0.097		mg/Kg	1	6/25/2020 9:15:43 AM
Surr: 4-Bromofluorobenzene	99.8	80-120		%Rec	1	6/25/2020 9:15:43 AM
EPA METHOD 300.0: ANIONS						Analyst: **JMT**
Chloride	ND	60		mg/Kg	20	6/27/2020 7:56:54 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 Quanitative Limit	RL	Reporting Limit
S	% Recovery outside of range due to dilution or matrix		

Analytical Report
Lab Order **2006B24**
Date Reported: **6/30/2020**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Pima Environmental Services LLC
Client Sample ID: S-2 2'
Project: Antares 23 Fed 13H
Collection Date: 6/19/2020 12:12:00 PM
Lab ID: 2006B24-007 **Matrix:** SOIL **Received Date:** 6/23/2020 9:10:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **CLP**
Diesel Range Organics (DRO)	ND	9.5		mg/Kg	1	6/25/2020 11:23:00 AM
Motor Oil Range Organics (MRO)	ND	47		mg/Kg	1	6/25/2020 11:23:00 AM
Surr: DNOP	109	55.1-146		%Rec	1	6/25/2020 11:23:00 AM
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **RAA**
Gasoline Range Organics (GRO)	ND	4.7		mg/Kg	1	6/25/2020 10:26:39 AM
Surr: BFB	95.4	66.6-105		%Rec	1	6/25/2020 10:26:39 AM
EPA METHOD 8021B: VOLATILES						Analyst: **RAA**
Benzene	ND	0.024		mg/Kg	1	6/25/2020 10:26:39 AM
Toluene	ND	0.047		mg/Kg	1	6/25/2020 10:26:39 AM
Ethylbenzene	ND	0.047		mg/Kg	1	6/25/2020 10:26:39 AM
Xylenes, Total	ND	0.094		mg/Kg	1	6/25/2020 10:26:39 AM
Surr: 4-Bromofluorobenzene	95.8	80-120		%Rec	1	6/25/2020 10:26:39 AM
EPA METHOD 300.0: ANIONS						Analyst: **CAS**
Chloride	ND	60		mg/Kg	20	6/27/2020 2:48:42 PM

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

Qualifiers:

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

Analytical Report
Lab Order **2006B24**
Date Reported: **6/30/2020**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Pima Environmental Services LLC
Client Sample ID: S-2 3'
Project: Antares 23 Fed 13H
Collection Date: 6/19/2020 12:14:00 PM
Lab ID: 2006B24-008 **Matrix:** SOIL **Received Date:** 6/23/2020 9:10:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **CLP**
Diesel Range Organics (DRO)	ND	9.7		mg/Kg	1	6/25/2020 11:33:05 AM
Motor Oil Range Organics (MRO)	ND	48		mg/Kg	1	6/25/2020 11:33:05 AM
Surr: DNOP	115	55.1-146		%Rec	1	6/25/2020 11:33:05 AM
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **RAA**
Gasoline Range Organics (GRO)	ND	4.7		mg/Kg	1	6/25/2020 11:37:24 AM
Surr: BFB	104	66.6-105		%Rec	1	6/25/2020 11:37:24 AM
EPA METHOD 8021B: VOLATILES						Analyst: **RAA**
Benzene	ND	0.023		mg/Kg	1	6/25/2020 11:37:24 AM
Toluene	ND	0.047		mg/Kg	1	6/25/2020 11:37:24 AM
Ethylbenzene	ND	0.047		mg/Kg	1	6/25/2020 11:37:24 AM
Xylenes, Total	ND	0.093		mg/Kg	1	6/25/2020 11:37:24 AM
Surr: 4-Bromofluorobenzene	103	80-120		%Rec	1	6/25/2020 11:37:24 AM
EPA METHOD 300.0: ANIONS						Analyst: **CAS**
Chloride	ND	60		mg/Kg	20	6/27/2020 3:50:45 PM

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

Qualifiers:

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

Hall Environmental Analysis Laboratory, Inc.

Analytical Report
Lab Order **2006B24**
Date Reported: **6/30/2020**

CLIENT: Pima Environmental Services LLC
Client Sample ID: S-3 0"-6"
Project: Antares 23 Fed 13H
Collection Date: 6/19/2020 12:16:00 PM
Lab ID: 2006B24-009 **Matrix:** SOIL
Received Date: 6/23/2020 9:10:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **CLP**
Diesel Range Organics (DRO)	ND	9.0		mg/Kg	1	6/25/2020 11:43:16 AM
Motor Oil Range Organics (MRO)	ND	45		mg/Kg	1	6/25/2020 11:43:16 AM
Surr: DNOP	113	55.1-146		%Rec	1	6/25/2020 11:43:16 AM
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **RAA**
Gasoline Range Organics (GRO)	ND	4.8		mg/Kg	1	6/25/2020 12:00:59 PM
Surr: BFB	99.7	66.6-105		%Rec	1	6/25/2020 12:00:59 PM
EPA METHOD 8021B: VOLATILES						Analyst: **RAA**
Benzene	ND	0.024		mg/Kg	1	6/25/2020 12:00:59 PM
Toluene	ND	0.048		mg/Kg	1	6/25/2020 12:00:59 PM
Ethylbenzene	ND	0.048		mg/Kg	1	6/25/2020 12:00:59 PM
Xylenes, Total	ND	0.097		mg/Kg	1	6/25/2020 12:00:59 PM
Surr: 4-Bromofluorobenzene	103	80-120		%Rec	1	6/25/2020 12:00:59 PM
EPA METHOD 300.0: ANIONS						Analyst: **CAS**
Chloride	ND	60		mg/Kg	20	6/27/2020 4:03:09 PM

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

Qualifiers:

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

Analytical Report
Lab Order **2006B24**
Date Reported: **6/30/2020**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Pima Environmental Services LLC
Client Sample ID: S-3 1'
Project: Antares 23 Fed 13H
Collection Date: 6/19/2020 12:18:00 PM
Lab ID: 2006B24-010 **Matrix:** SOIL
Received Date: 6/23/2020 9:10:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **CLP**
Diesel Range Organics (DRO)	ND	9.3		mg/Kg	1	6/25/2020 11:53:28 AM
Motor Oil Range Organics (MRO)	ND	47		mg/Kg	1	6/25/2020 11:53:28 AM
Surr: DNOP	116	55.1-146		%Rec	1	6/25/2020 11:53:28 AM
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **RAA**
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	6/25/2020 12:24:34 PM
Surr: BFB	99.5	66.6-105		%Rec	1	6/25/2020 12:24:34 PM
EPA METHOD 8021B: VOLATILES						Analyst: **RAA**
Benzene	ND	0.024		mg/Kg	1	6/25/2020 12:24:34 PM
Toluene	ND	0.049		mg/Kg	1	6/25/2020 12:24:34 PM
Ethylbenzene	ND	0.049		mg/Kg	1	6/25/2020 12:24:34 PM
Xylenes, Total	ND	0.098		mg/Kg	1	6/25/2020 12:24:34 PM
Surr: 4-Bromofluorobenzene	102	80-120		%Rec	1	6/25/2020 12:24:34 PM
EPA METHOD 300.0: ANIONS						Analyst: **CAS**
Chloride	ND	60		mg/Kg	20	6/27/2020 4:40:23 PM

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

Qualifiers:

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

Hall Environmental Analysis Laboratory, Inc.

Analytical Report
Lab Order **2006B24**
Date Reported: **6/30/2020**

CLIENT: Pima Environmental Services LLC
Client Sample ID: S-3 2'
Project: Antares 23 Fed 13H
Collection Date: 6/19/2020 12:19:00 PM
Lab ID: 2006B24-011 **Matrix:** SOIL
Received Date: 6/23/2020 9:10:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **CLP**
Diesel Range Organics (DRO)	ND	9.3		mg/Kg	1	6/25/2020 12:03:52 PM
Motor Oil Range Organics (MRO)	ND	47		mg/Kg	1	6/25/2020 12:03:52 PM
Surr: DNOP	116	55.1-146		%Rec	1	6/25/2020 12:03:52 PM
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **RAA**
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	6/25/2020 12:48:18 PM
Surr: BFB	98.8	66.6-105		%Rec	1	6/25/2020 12:48:18 PM
EPA METHOD 8021B: VOLATILES						Analyst: **RAA**
Benzene	ND	0.025		mg/Kg	1	6/25/2020 12:48:18 PM
Toluene	ND	0.049		mg/Kg	1	6/25/2020 12:48:18 PM
Ethylbenzene	ND	0.049		mg/Kg	1	6/25/2020 12:48:18 PM
Xylenes, Total	ND	0.099		mg/Kg	1	6/25/2020 12:48:18 PM
Surr: 4-Bromofluorobenzene	100	80-120		%Rec	1	6/25/2020 12:48:18 PM
EPA METHOD 300.0: ANIONS						Analyst: **CAS**
Chloride	ND	60		mg/Kg	20	6/27/2020 4:52:48 PM

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

Qualifiers:

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

Hall Environmental Analysis Laboratory, Inc.

Analytical Report
Lab Order **2006B24**
Date Reported: **6/30/2020**

CLIENT: Pima Environmental Services LLC
Client Sample ID: S-3 3'
Project: Antares 23 Fed 13H
Collection Date: 6/19/2020 12:20:00 PM
Lab ID: 2006B24-012 **Matrix:** SOIL
Received Date: 6/23/2020 9:10:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **CLP**
Diesel Range Organics (DRO)	ND	9.7		mg/Kg	1	6/25/2020 12:14:13 PM
Motor Oil Range Organics (MRO)	ND	48		mg/Kg	1	6/25/2020 12:14:13 PM
Surr: DNOP	111	55.1-146		%Rec	1	6/25/2020 12:14:13 PM
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **RAA**
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	6/25/2020 1:12:06 PM
Surr: BFB	99.3	66.6-105		%Rec	1	6/25/2020 1:12:06 PM
EPA METHOD 8021B: VOLATILES						Analyst: **RAA**
Benzene	ND	0.025		mg/Kg	1	6/25/2020 1:12:06 PM
Toluene	ND	0.049		mg/Kg	1	6/25/2020 1:12:06 PM
Ethylbenzene	ND	0.049		mg/Kg	1	6/25/2020 1:12:06 PM
Xylenes, Total	ND	0.098		mg/Kg	1	6/25/2020 1:12:06 PM
Surr: 4-Bromofluorobenzene	100	80-120		%Rec	1	6/25/2020 1:12:06 PM
EPA METHOD 300.0: ANIONS						Analyst: **CAS**
Chloride	ND	60		mg/Kg	20	6/27/2020 5:05:12 PM

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

Qualifiers:

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

Hall Environmental Analysis Laboratory, Inc.

Analytical Report
Lab Order **2006B24**
Date Reported: **6/30/2020**

CLIENT: Pima Environmental Services LLC
Client Sample ID: S-4 0"-6"
Project: Antares 23 Fed 13H
Collection Date: 6/19/2020 12:32:00 PM
Lab ID: 2006B24-013 **Matrix:** SOIL
Received Date: 6/23/2020 9:10:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **CLP**
Diesel Range Organics (DRO)	ND	9.8		mg/Kg	1	6/25/2020 12:24:34 PM
Motor Oil Range Organics (MRO)	ND	49		mg/Kg	1	6/25/2020 12:24:34 PM
Surr: DNOP	114	55.1-146		%Rec	1	6/25/2020 12:24:34 PM
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **RAA**
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	6/25/2020 1:35:46 PM
Surr: BFB	97.9	66.6-105		%Rec	1	6/25/2020 1:35:46 PM
EPA METHOD 8021B: VOLATILES						Analyst: **RAA**
Benzene	ND	0.025		mg/Kg	1	6/25/2020 1:35:46 PM
Toluene	ND	0.049		mg/Kg	1	6/25/2020 1:35:46 PM
Ethylbenzene	ND	0.049		mg/Kg	1	6/25/2020 1:35:46 PM
Xylenes, Total	ND	0.099		mg/Kg	1	6/25/2020 1:35:46 PM
Surr: 4-Bromofluorobenzene	99.5	80-120		%Rec	1	6/25/2020 1:35:46 PM
EPA METHOD 300.0: ANIONS						Analyst: **CAS**
Chloride	ND	60		mg/Kg	20	6/27/2020 5:17:37 PM

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

Qualifiers:

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

Analytical Report
Lab Order **2006B24**
Date Reported: **6/30/2020**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Pima Environmental Services LLC
Client Sample ID: S-4 1'
Project: Antares 23 Fed 13H
Collection Date: 6/19/2020 12:34:00 PM
Lab ID: 2006B24-014 **Matrix:** SOIL **Received Date:** 6/23/2020 9:10:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **CLP**
Diesel Range Organics (DRO)	9.8	9.6		mg/Kg	1	6/25/2020 12:34:53 PM
Motor Oil Range Organics (MRO)	73	48		mg/Kg	1	6/25/2020 12:34:53 PM
Surr: DNOP	132	55.1-146		%Rec	1	6/25/2020 12:34:53 PM
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **RAA**
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	6/25/2020 1:59:33 PM
Surr: BFB	99.9	66.6-105		%Rec	1	6/25/2020 1:59:33 PM
EPA METHOD 8021B: VOLATILES						Analyst: **RAA**
Benzene	ND	0.025		mg/Kg	1	6/25/2020 1:59:33 PM
Toluene	ND	0.049		mg/Kg	1	6/25/2020 1:59:33 PM
Ethylbenzene	ND	0.049		mg/Kg	1	6/25/2020 1:59:33 PM
Xylenes, Total	ND	0.099		mg/Kg	1	6/25/2020 1:59:33 PM
Surr: 4-Bromofluorobenzene	99.5	80-120		%Rec	1	6/25/2020 1:59:33 PM
EPA METHOD 300.0: ANIONS						Analyst: **CAS**
Chloride	ND	60		mg/Kg	20	6/27/2020 5:54:51 PM

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

Qualifiers:

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

Hall Environmental Analysis Laboratory, Inc.

Analytical Report
Lab Order **2006B24**
Date Reported: **6/30/2020**

CLIENT: Pima Environmental Services LLC
Client Sample ID: S-4 2'
Project: Antares 23 Fed 13H
Collection Date: 6/19/2020 12:36:00 PM
Lab ID: 2006B24-015 **Matrix:** SOIL
Received Date: 6/23/2020 9:10:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **BRM**
Diesel Range Organics (DRO)	ND	9.9		mg/Kg	1	6/26/2020 9:54:50 PM
Motor Oil Range Organics (MRO)	ND	50		mg/Kg	1	6/26/2020 9:54:50 PM
Surr: DNOP	80.4	55.1-146		%Rec	1	6/26/2020 9:54:50 PM
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **RAA**
Gasoline Range Organics (GRO)	ND	4.8		mg/Kg	1	6/25/2020 2:23:22 PM
Surr: BFB	101	66.6-105		%Rec	1	6/25/2020 2:23:22 PM
EPA METHOD 8021B: VOLATILES						Analyst: **RAA**
Benzene	ND	0.024		mg/Kg	1	6/25/2020 2:23:22 PM
Toluene	ND	0.048		mg/Kg	1	6/25/2020 2:23:22 PM
Ethylbenzene	ND	0.048		mg/Kg	1	6/25/2020 2:23:22 PM
Xylenes, Total	ND	0.096		mg/Kg	1	6/25/2020 2:23:22 PM
Surr: 4-Bromofluorobenzene	100	80-120		%Rec	1	6/25/2020 2:23:22 PM
EPA METHOD 300.0: ANIONS						Analyst: **CAS**
Chloride	ND	60		mg/Kg	20	6/27/2020 6:07:15 PM

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

Qualifiers:

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

Analytical Report
Lab Order **2006B24**
Date Reported: **6/30/2020**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Pima Environmental Services LLC
Client Sample ID: S-4 3'
Project: Antares 23 Fed 13H
Collection Date: 6/19/2020 12:38:00 PM
Lab ID: 2006B24-016 **Matrix:** SOIL **Received Date:** 6/23/2020 9:10:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **BRM**
Diesel Range Organics (DRO)	110	9.8		mg/Kg	1	6/26/2020 10:25:29 PM
Motor Oil Range Organics (MRO)	70	49		mg/Kg	1	6/26/2020 10:25:29 PM
Surr: DNOP	93.2	55.1-146		%Rec	1	6/26/2020 10:25:29 PM
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **RAA**
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	6/25/2020 3:34:59 PM
Surr: BFB	102	66.6-105		%Rec	1	6/25/2020 3:34:59 PM
EPA METHOD 8021B: VOLATILES						Analyst: **RAA**
Benzene	ND	0.024		mg/Kg	1	6/25/2020 3:34:59 PM
Toluene	ND	0.049		mg/Kg	1	6/25/2020 3:34:59 PM
Ethylbenzene	ND	0.049		mg/Kg	1	6/25/2020 3:34:59 PM
Xylenes, Total	ND	0.098		mg/Kg	1	6/25/2020 3:34:59 PM
Surr: 4-Bromofluorobenzene	103	80-120		%Rec	1	6/25/2020 3:34:59 PM
EPA METHOD 300.0: ANIONS						Analyst: **CAS**
Chloride	ND	60		mg/Kg	20	6/27/2020 6:19:39 PM

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

Qualifiers:

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

Hall Environmental Analysis Laboratory, Inc.

Analytical Report
Lab Order **2006B24**
Date Reported: **6/30/2020**

CLIENT: Pima Environmental Services LLC
Client Sample ID: S-5 0"-6"
Project: Antares 23 Fed 13H
Collection Date: 6/19/2020 12:40:00 PM
Lab ID: 2006B24-017 **Matrix:** SOIL
Received Date: 6/23/2020 9:10:00 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	6/26/2020 10:35:34 PM
Motor Oil Range Organics (MRO)	ND	48		mg/Kg	1	6/26/2020 10:35:34 PM
Surr: DNOP	77.7	55.1-146		%Rec	1	6/26/2020 10:35:34 PM
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **RAA**
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	6/25/2020 3:58:48 PM
Surr: BFB	102	66.6-105		%Rec	1	6/25/2020 3:58:48 PM
EPA METHOD 8021B: VOLATILES						Analyst: **RAA**
Benzene	ND	0.024		mg/Kg	1	6/25/2020 3:58:48 PM
Toluene	ND	0.049		mg/Kg	1	6/25/2020 3:58:48 PM
Ethylbenzene	ND	0.049		mg/Kg	1	6/25/2020 3:58:48 PM
Xylenes, Total	ND	0.097		mg/Kg	1	6/25/2020 3:58:48 PM
Surr: 4-Bromofluorobenzene	102	80-120		%Rec	1	6/25/2020 3:58:48 PM
EPA METHOD 300.0: ANIONS						Analyst: **CAS**
Chloride	ND	60		mg/Kg	20	6/27/2020 6:32:04 PM

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

Qualifiers:

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

Analytical Report
Lab Order **2006B24**
Date Reported: **6/30/2020**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Pima Environmental Services LLC
Client Sample ID: S-5 1'
Project: Antares 23 Fed 13H
Collection Date: 6/19/2020 12:42:00 PM
Lab ID: 2006B24-018 **Matrix:** SOIL **Received Date:** 6/23/2020 9:10:00 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	6/26/2020 10:45:48 PM
Motor Oil Range Organics (MRO)	ND	45		mg/Kg	1	6/26/2020 10:45:48 PM
Surr: DNOP	83.8	55.1-146		%Rec	1	6/26/2020 10:45:48 PM
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **RAA**
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	6/25/2020 4:22:38 PM
Surr: BFB	106	66.6-105	S	%Rec	1	6/25/2020 4:22:38 PM
EPA METHOD 8021B: VOLATILES						Analyst: **RAA**
Benzene	ND	0.024		mg/Kg	1	6/25/2020 4:22:38 PM
Toluene	ND	0.049		mg/Kg	1	6/25/2020 4:22:38 PM
Ethylbenzene	ND	0.049		mg/Kg	1	6/25/2020 4:22:38 PM
Xylenes, Total	ND	0.097		mg/Kg	1	6/25/2020 4:22:38 PM
Surr: 4-Bromofluorobenzene	105	80-120		%Rec	1	6/25/2020 4:22:38 PM
EPA METHOD 300.0: ANIONS						Analyst: **CAS**
Chloride	ND	60		mg/Kg	20	6/27/2020 6:44:28 PM

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

Qualifiers:

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

Analytical Report
Lab Order **2006B24**
Date Reported: **6/30/2020**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Pima Environmental Services LLC
Client Sample ID: S-5 2'
Project: Antares 23 Fed 13H
Collection Date: 6/19/2020 12:44:00 PM
Lab ID: 2006B24-019 **Matrix:** SOIL **Received Date:** 6/23/2020 9:10:00 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	6/26/2020 10:55:54 PM
Motor Oil Range Organics (MRO)	ND	50		mg/Kg	1	6/26/2020 10:55:54 PM
Surr: DNOP	80.1	55.1-146		%Rec	1	6/26/2020 10:55:54 PM
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **RAA**
Gasoline Range Organics (GRO)	ND	5.0		mg/Kg	1	6/25/2020 4:46:34 PM
Surr: BFB	105	66.6-105	S	%Rec	1	6/25/2020 4:46:34 PM
EPA METHOD 8021B: VOLATILES						Analyst: **RAA**
Benzene	ND	0.025		mg/Kg	1	6/25/2020 4:46:34 PM
Toluene	ND	0.050		mg/Kg	1	6/25/2020 4:46:34 PM
Ethylbenzene	ND	0.050		mg/Kg	1	6/25/2020 4:46:34 PM
Xylenes, Total	ND	0.10		mg/Kg	1	6/25/2020 4:46:34 PM
Surr: 4-Bromofluorobenzene	106	80-120		%Rec	1	6/25/2020 4:46:34 PM
EPA METHOD 300.0: ANIONS						Analyst: **CAS**
Chloride	ND	60		mg/Kg	20	6/27/2020 6:56:53 PM

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

Qualifiers:

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

Analytical Report
Lab Order **2006B24**
Date Reported: **6/30/2020**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Pima Environmental Services LLC
Client Sample ID: S-5 3'
Project: Antares 23 Fed 13H
Collection Date: 6/19/2020 12:46:00 PM
Lab ID: 2006B24-020 **Matrix:** SOIL **Received Date:** 6/23/2020 9:10:00 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	6/26/2020 11:06:10 PM
Motor Oil Range Organics (MRO)	ND	46		mg/Kg	1	6/26/2020 11:06:10 PM
Surr: DNOP	87.6	55.1-146		%Rec	1	6/26/2020 11:06:10 PM
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **RAA**
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	6/25/2020 5:10:32 PM
Surr: BFB	105	66.6-105		%Rec	1	6/25/2020 5:10:32 PM
EPA METHOD 8021B: VOLATILES						Analyst: **RAA**
Benzene	ND	0.025		mg/Kg	1	6/25/2020 5:10:32 PM
Toluene	ND	0.049		mg/Kg	1	6/25/2020 5:10:32 PM
Ethylbenzene	ND	0.049		mg/Kg	1	6/25/2020 5:10:32 PM
Xylenes, Total	ND	0.099		mg/Kg	1	6/25/2020 5:10:32 PM
Surr: 4-Bromofluorobenzene	105	80-120		%Rec	1	6/25/2020 5:10:32 PM
EPA METHOD 300.0: ANIONS						Analyst: **CAS**
Chloride	ND	60		mg/Kg	20	6/27/2020 7:09:18 PM

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

Qualifiers:

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

Analytical Report
Lab Order **2006B24**
Date Reported: **6/30/2020**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Pima Environmental Services LLC
Client Sample ID: S-6 0"-6"
Project: Antares 23 Fed 13H
Collection Date: 6/19/2020 12:48:00 PM
Lab ID: 2006B24-021 **Matrix:** SOIL
Received Date: 6/23/2020 9:10:00 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	6/26/2020 11:16:23 PM
Motor Oil Range Organics (MRO)	ND	47		mg/Kg	1	6/26/2020 11:16:23 PM
Surr: DNOP	63.7	55.1-146		%Rec	1	6/26/2020 11:16:23 PM
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **RAA**
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	6/25/2020 5:34:29 PM
Surr: BFB	105	66.6-105	S	%Rec	1	6/25/2020 5:34:29 PM
EPA METHOD 8021B: VOLATILES						Analyst: **RAA**
Benzene	ND	0.024		mg/Kg	1	6/25/2020 5:34:29 PM
Toluene	ND	0.049		mg/Kg	1	6/25/2020 5:34:29 PM
Ethylbenzene	ND	0.049		mg/Kg	1	6/25/2020 5:34:29 PM
Xylenes, Total	ND	0.098		mg/Kg	1	6/25/2020 5:34:29 PM
Surr: 4-Bromofluorobenzene	106	80-120		%Rec	1	6/25/2020 5:34:29 PM
EPA METHOD 300.0: ANIONS						Analyst: **CAS**
Chloride	ND	60		mg/Kg	20	6/27/2020 7:21:42 PM

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

Qualifiers:

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

Hall Environmental Analysis Laboratory, Inc.

Analytical Report
Lab Order **2006B24**
Date Reported: **6/30/2020**

CLIENT: Pima Environmental Services LLC
Client Sample ID: S-6 1'
Project: Antares 23 Fed 13H
Collection Date: 6/19/2020 12:50:00 PM
Lab ID: 2006B24-022 **Matrix:** SOIL
Received Date: 6/23/2020 9:10:00 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	6/26/2020 11:26:36 PM
Motor Oil Range Organics (MRO)	ND	50		mg/Kg	1	6/26/2020 11:26:36 PM
Surr: DNOP	91.3	55.1-146		%Rec	1	6/26/2020 11:26:36 PM
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **RAA**
Gasoline Range Organics (GRO)	ND	4.7		mg/Kg	1	6/25/2020 5:58:26 PM
Surr: BFB	104	66.6-105		%Rec	1	6/25/2020 5:58:26 PM
EPA METHOD 8021B: VOLATILES						Analyst: **RAA**
Benzene	ND	0.024		mg/Kg	1	6/25/2020 5:58:26 PM
Toluene	ND	0.047		mg/Kg	1	6/25/2020 5:58:26 PM
Ethylbenzene	ND	0.047		mg/Kg	1	6/25/2020 5:58:26 PM
Xylenes, Total	ND	0.095		mg/Kg	1	6/25/2020 5:58:26 PM
Surr: 4-Bromofluorobenzene	104	80-120		%Rec	1	6/25/2020 5:58:26 PM
EPA METHOD 300.0: ANIONS						Analyst: **CAS**
Chloride	ND	60		mg/Kg	20	6/27/2020 7:34:07 PM

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

Qualifiers:

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

Analytical Report
Lab Order **2006B24**
Date Reported: **6/30/2020**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Pima Environmental Services LLC
Client Sample ID: S-6 2'
Project: Antares 23 Fed 13H
Collection Date: 6/19/2020 12:52:00 PM
Lab ID: 2006B24-023 **Matrix:** SOIL
Received Date: 6/23/2020 9:10:00 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	6/26/2020 11:36:50 PM
Motor Oil Range Organics (MRO)	ND	48		mg/Kg	1	6/26/2020 11:36:50 PM
Surr: DNOP	93.6	55.1-146		%Rec	1	6/26/2020 11:36:50 PM
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **RAA**
Gasoline Range Organics (GRO)	ND	4.7		mg/Kg	1	6/25/2020 6:22:22 PM
Surr: BFB	103	66.6-105		%Rec	1	6/25/2020 6:22:22 PM
EPA METHOD 8021B: VOLATILES						Analyst: **RAA**
Benzene	ND	0.023		mg/Kg	1	6/25/2020 6:22:22 PM
Toluene	ND	0.047		mg/Kg	1	6/25/2020 6:22:22 PM
Ethylbenzene	ND	0.047		mg/Kg	1	6/25/2020 6:22:22 PM
Xylenes, Total	ND	0.093		mg/Kg	1	6/25/2020 6:22:22 PM
Surr: 4-Bromofluorobenzene	103	80-120		%Rec	1	6/25/2020 6:22:22 PM
EPA METHOD 300.0: ANIONS						Analyst: **CAS**
Chloride	ND	60		mg/Kg	20	6/27/2020 7:46:31 PM

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

Qualifiers:

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

Analytical Report
Lab Order **2006B24**
Date Reported: **6/30/2020**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Pima Environmental Services LLC
Client Sample ID: S-6 3'
Project: Antares 23 Fed 13H
Collection Date: 6/19/2020 12:54:00 PM
Lab ID: 2006B24-024 **Matrix:** SOIL **Received Date:** 6/23/2020 9:10:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **BRM**
Diesel Range Organics (DRO)	15	9.3		mg/Kg	1	6/26/2020 11:47:07 PM
Motor Oil Range Organics (MRO)	57	47		mg/Kg	1	6/26/2020 11:47:07 PM
Surr: DNOP	100	55.1-146		%Rec	1	6/26/2020 11:47:07 PM
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **RAA**
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	6/25/2020 6:46:13 PM
Surr: BFB	106	66.6-105	S	%Rec	1	6/25/2020 6:46:13 PM
EPA METHOD 8021B: VOLATILES						Analyst: **RAA**
Benzene	ND	0.025		mg/Kg	1	6/25/2020 6:46:13 PM
Toluene	ND	0.049		mg/Kg	1	6/25/2020 6:46:13 PM
Ethylbenzene	ND	0.049		mg/Kg	1	6/25/2020 6:46:13 PM
Xylenes, Total	ND	0.098		mg/Kg	1	6/25/2020 6:46:13 PM
Surr: 4-Bromofluorobenzene	105	80-120		%Rec	1	6/25/2020 6:46:13 PM
EPA METHOD 300.0: ANIONS						Analyst: **CAS**
Chloride	170	60		mg/Kg	20	6/27/2020 8:23:44 PM

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

Qualifiers:

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

Analytical Report
Lab Order **2006B24**
Date Reported: **6/30/2020**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Pima Environmental Services LLC
Client Sample ID: BG-1
Project: Antares 23 Fed 13H
Collection Date: 6/19/2020 1:02:00 PM
Lab ID: 2006B24-025 **Matrix:** SOIL
Received Date: 6/23/2020 9:10:00 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	6/26/2020 11:57:24 PM
Motor Oil Range Organics (MRO)	ND	48		mg/Kg	1	6/26/2020 11:57:24 PM
Surr: DNOP	91.4	55.1-146		%Rec	1	6/26/2020 11:57:24 PM
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **RAA**
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	6/25/2020 7:10:05 PM
Surr: BFB	105	66.6-105	S	%Rec	1	6/25/2020 7:10:05 PM
EPA METHOD 8021B: VOLATILES						Analyst: **RAA**
Benzene	ND	0.025		mg/Kg	1	6/25/2020 7:10:05 PM
Toluene	ND	0.049		mg/Kg	1	6/25/2020 7:10:05 PM
Ethylbenzene	ND	0.049		mg/Kg	1	6/25/2020 7:10:05 PM
Xylenes, Total	ND	0.099		mg/Kg	1	6/25/2020 7:10:05 PM
Surr: 4-Bromofluorobenzene	106	80-120		%Rec	1	6/25/2020 7:10:05 PM
EPA METHOD 300.0: ANIONS						Analyst: **CAS**
Chloride	ND	60		mg/Kg	20	6/27/2020 8:36:09 PM

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

Qualifiers:

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

Analytical Report
Lab Order **2006B24**
Date Reported: **6/30/2020**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Pima Environmental Services LLC
Client Sample ID: BG-2
Project: Antares 23 Fed 13H
Collection Date: 6/19/2020 1:04:00 PM
Lab ID: 2006B24-026 **Matrix:** SOIL **Received Date:** 6/23/2020 9:10:00 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	6/27/2020 12:07:46 AM
Motor Oil Range Organics (MRO)	ND	47		mg/Kg	1	6/27/2020 12:07:46 AM
Surr: DNOP	72.1	55.1-146		%Rec	1	6/27/2020 12:07:46 AM
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **RAA**
Gasoline Range Organics (GRO)	ND	4.7		mg/Kg	1	6/25/2020 9:32:10 PM
Surr: BFB	99.4	66.6-105		%Rec	1	6/25/2020 9:32:10 PM
EPA METHOD 8021B: VOLATILES						Analyst: **RAA**
Benzene	ND	0.023		mg/Kg	1	6/25/2020 9:32:10 PM
Toluene	ND	0.047		mg/Kg	1	6/25/2020 9:32:10 PM
Ethylbenzene	ND	0.047		mg/Kg	1	6/25/2020 9:32:10 PM
Xylenes, Total	ND	0.094		mg/Kg	1	6/25/2020 9:32:10 PM
Surr: 4-Bromofluorobenzene	100	80-120		%Rec	1	6/25/2020 9:32:10 PM
EPA METHOD 300.0: ANIONS						Analyst: **CAS**
Chloride	ND	59		mg/Kg	20	6/27/2020 8:48:34 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 Quanitative Limit	RL	Reporting Limit
S	% Recovery outside of range due to dilution or matrix		

Analytical Report
Lab Order **2006B24**
Date Reported: **6/30/2020**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Pima Environmental Services LLC
Client Sample ID: BG-2A
Project: Antares 23 Fed 13H
Collection Date: 6/19/2020 1:06:00 PM
Lab ID: 2006B24-027 **Matrix:** SOIL **Received Date:** 6/23/2020 9:10:00 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	6/27/2020 12:18:12 AM
Motor Oil Range Organics (MRO)	ND	48		mg/Kg	1	6/27/2020 12:18:12 AM
Surr: DNOP	99.6	55.1-146		%Rec	1	6/27/2020 12:18:12 AM
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **RAA**
Gasoline Range Organics (GRO)	ND	4.8		mg/Kg	1	6/25/2020 10:42:47 PM
Surr: BFB	98.7	66.6-105		%Rec	1	6/25/2020 10:42:47 PM
EPA METHOD 8021B: VOLATILES						Analyst: **RAA**
Benzene	ND	0.024		mg/Kg	1	6/25/2020 10:42:47 PM
Toluene	ND	0.048		mg/Kg	1	6/25/2020 10:42:47 PM
Ethylbenzene	ND	0.048		mg/Kg	1	6/25/2020 10:42:47 PM
Xylenes, Total	ND	0.095		mg/Kg	1	6/25/2020 10:42:47 PM
Surr: 4-Bromofluorobenzene	101	80-120		%Rec	1	6/25/2020 10:42:47 PM
EPA METHOD 300.0: ANIONS						Analyst: **CAS**
Chloride	ND	60		mg/Kg	20	6/27/2020 11:18:16 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 Quanitative Limit
RL	Reporting Limit
S	% Recovery outside of range due to dilution or matrix

Analytical Report
Lab Order **2006B24**
Date Reported: **6/30/2020**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Pima Environmental Services LLC
Client Sample ID: BG-3
Project: Antares 23 Fed 13H
Collection Date: 6/19/2020 1:08:00 PM
Lab ID: 2006B24-028 **Matrix:** SOIL **Received Date:** 6/23/2020 9:10:00 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	6/27/2020 12:28:30 AM
Motor Oil Range Organics (MRO)	ND	48		mg/Kg	1	6/27/2020 12:28:30 AM
Surr: DNOP	72.1	55.1-146		%Rec	1	6/27/2020 12:28:30 AM
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **RAA**
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	6/25/2020 11:53:13 PM
Surr: BFB	100	66.6-105		%Rec	1	6/25/2020 11:53:13 PM
EPA METHOD 8021B: VOLATILES						Analyst: **RAA**
Benzene	ND	0.025		mg/Kg	1	6/25/2020 11:53:13 PM
Toluene	ND	0.049		mg/Kg	1	6/25/2020 11:53:13 PM
Ethylbenzene	ND	0.049		mg/Kg	1	6/25/2020 11:53:13 PM
Xylenes, Total	ND	0.098		mg/Kg	1	6/25/2020 11:53:13 PM
Surr: 4-Bromofluorobenzene	103	80-120		%Rec	1	6/25/2020 11:53:13 PM
EPA METHOD 300.0: ANIONS						Analyst: **CAS**
Chloride	ND	60		mg/Kg	20	6/27/2020 11:55:18 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 Quanitative Limit	RL	Reporting Limit
S	% Recovery outside of range due to dilution or matrix		

Analytical Report
Lab Order **2006B24**
Date Reported: **6/30/2020**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Pima Environmental Services LLC
Client Sample ID: BG-4
Project: Antares 23 Fed 13H
Collection Date: 6/19/2020 1:10:00 PM
Lab ID: 2006B24-029 **Matrix:** SOIL
Received Date: 6/23/2020 9:10:00 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	6/26/2020 1:13:34 PM
Motor Oil Range Organics (MRO)	ND	47		mg/Kg	1	6/26/2020 1:13:34 PM
Surr: DNOP	121	55.1-146		%Rec	1	6/26/2020 1:13:34 PM
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **RAA**
Gasoline Range Organics (GRO)	ND	4.8		mg/Kg	1	6/26/2020 12:16:47 AM
Surr: BFB	99.8	66.6-105		%Rec	1	6/26/2020 12:16:47 AM
EPA METHOD 8021B: VOLATILES						Analyst: **RAA**
Benzene	ND	0.024		mg/Kg	1	6/26/2020 12:16:47 AM
Toluene	ND	0.048		mg/Kg	1	6/26/2020 12:16:47 AM
Ethylbenzene	ND	0.048		mg/Kg	1	6/26/2020 12:16:47 AM
Xylenes, Total	ND	0.095		mg/Kg	1	6/26/2020 12:16:47 AM
Surr: 4-Bromofluorobenzene	104	80-120		%Rec	1	6/26/2020 12:16:47 AM
EPA METHOD 300.0: ANIONS						Analyst: **CAS**
Chloride	ND	60		mg/Kg	20	6/27/2020 12:07:39 PM

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

Qualifiers:

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

Analytical Report
Lab Order **2006B24**
Date Reported: **6/30/2020**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Pima Environmental Services LLC
Client Sample ID: BG-5
Project: Antares 23 Fed 13H
Collection Date: 6/19/2020 1:12:00 PM
Lab ID: 2006B24-030 **Matrix:** SOIL **Received Date:** 6/23/2020 9:10:00 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	6/26/2020 1:43:09 PM
Motor Oil Range Organics (MRO)	ND	48		mg/Kg	1	6/26/2020 1:43:09 PM
Surr: DNOP	115	55.1-146		%Rec	1	6/26/2020 1:43:09 PM
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **RAA**
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	6/26/2020 12:40:30 AM
Surr: BFB	100	66.6-105		%Rec	1	6/26/2020 12:40:30 AM
EPA METHOD 8021B: VOLATILES						Analyst: **RAA**
Benzene	ND	0.025		mg/Kg	1	6/26/2020 12:40:30 AM
Toluene	ND	0.049		mg/Kg	1	6/26/2020 12:40:30 AM
Ethylbenzene	ND	0.049		mg/Kg	1	6/26/2020 12:40:30 AM
Xylenes, Total	ND	0.099		mg/Kg	1	6/26/2020 12:40:30 AM
Surr: 4-Bromofluorobenzene	103	80-120		%Rec	1	6/26/2020 12:40:30 AM
EPA METHOD 300.0: ANIONS						Analyst: **CAS**
Chloride	ND	60		mg/Kg	20	6/27/2020 12:20:00 PM

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

Qualifiers:

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

Analytical Report
Lab Order **2006B24**
Date Reported: **6/30/2020**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Pima Environmental Services LLC
Client Sample ID: BG-6
Project: Antares 23 Fed 13H
Collection Date: 6/19/2020 1:14:00 PM
Lab ID: 2006B24-031 **Matrix:** SOIL
Received Date: 6/23/2020 9:10:00 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	6/26/2020 1:53:02 PM
Motor Oil Range Organics (MRO)	ND	47		mg/Kg	1	6/26/2020 1:53:02 PM
Surr: DNOP	121	55.1-146		%Rec	1	6/26/2020 1:53:02 PM
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **RAA**
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	6/26/2020 1:03:55 AM
Surr: BFB	98.9	66.6-105		%Rec	1	6/26/2020 1:03:55 AM
EPA METHOD 8021B: VOLATILES						Analyst: **RAA**
Benzene	ND	0.024		mg/Kg	1	6/26/2020 1:03:55 AM
Toluene	ND	0.049		mg/Kg	1	6/26/2020 1:03:55 AM
Ethylbenzene	ND	0.049		mg/Kg	1	6/26/2020 1:03:55 AM
Xylenes, Total	ND	0.098		mg/Kg	1	6/26/2020 1:03:55 AM
Surr: 4-Bromofluorobenzene	101	80-120		%Rec	1	6/26/2020 1:03:55 AM
EPA METHOD 300.0: ANIONS						Analyst: **CAS**
Chloride	ND	60		mg/Kg	20	6/27/2020 12:32:21 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 Quanitative Limit	RL	Reporting Limit
S	% Recovery outside of range due to dilution or matrix		

Analytical Report
Lab Order **2006B24**
Date Reported: **6/30/2020**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Pima Environmental Services LLC
Client Sample ID: BG-7
Project: Antares 23 Fed 13H
Collection Date: 6/19/2020 1:16:00 PM
Lab ID: 2006B24-032 **Matrix:** SOIL **Received Date:** 6/23/2020 9:10:00 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	6/26/2020 2:02:59 PM
Motor Oil Range Organics (MRO)	ND	47		mg/Kg	1	6/26/2020 2:02:59 PM
Surr: DNOP	105	55.1-146		%Rec	1	6/26/2020 2:02:59 PM
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **RAA**
Gasoline Range Organics (GRO)	ND	4.6		mg/Kg	1	6/26/2020 1:27:22 AM
Surr: BFB	98.8	66.6-105		%Rec	1	6/26/2020 1:27:22 AM
EPA METHOD 8021B: VOLATILES						Analyst: **RAA**
Benzene	ND	0.023		mg/Kg	1	6/26/2020 1:27:22 AM
Toluene	ND	0.046		mg/Kg	1	6/26/2020 1:27:22 AM
Ethylbenzene	ND	0.046		mg/Kg	1	6/26/2020 1:27:22 AM
Xylenes, Total	ND	0.091		mg/Kg	1	6/26/2020 1:27:22 AM
Surr: 4-Bromofluorobenzene	99.6	80-120		%Rec	1	6/26/2020 1:27:22 AM
EPA METHOD 300.0: ANIONS						Analyst: **CAS**
Chloride	ND	60		mg/Kg	20	6/27/2020 12:44:42 PM

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

Qualifiers:

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

Analytical Report
Lab Order **2006B24**
Date Reported: **6/30/2020**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Pima Environmental Services LLC
Client Sample ID: BG-8
Project: Antares 23 Fed 13H
Collection Date: 6/19/2020 1:18:00 PM
Lab ID: 2006B24-033 **Matrix:** SOIL
Received Date: 6/23/2020 9:10:00 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	6/26/2020 2:12:56 PM
Motor Oil Range Organics (MRO)	ND	47		mg/Kg	1	6/26/2020 2:12:56 PM
Surr: DNOP	124	55.1-146		%Rec	1	6/26/2020 2:12:56 PM
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **RAA**
Gasoline Range Organics (GRO)	ND	4.6		mg/Kg	1	6/26/2020 1:50:52 AM
Surr: BFB	96.6	66.6-105		%Rec	1	6/26/2020 1:50:52 AM
EPA METHOD 8021B: VOLATILES						Analyst: **RAA**
Benzene	ND	0.023		mg/Kg	1	6/26/2020 1:50:52 AM
Toluene	ND	0.046		mg/Kg	1	6/26/2020 1:50:52 AM
Ethylbenzene	ND	0.046		mg/Kg	1	6/26/2020 1:50:52 AM
Xylenes, Total	ND	0.091		mg/Kg	1	6/26/2020 1:50:52 AM
Surr: 4-Bromofluorobenzene	99.1	80-120		%Rec	1	6/26/2020 1:50:52 AM
EPA METHOD 300.0: ANIONS						Analyst: **CAS**
Chloride	ND	60		mg/Kg	20	6/27/2020 1:21:44 PM

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

Qualifiers:

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

QC SUMMARY REPORT
Hall Environmental Analysis Laboratory, Inc.

WO#: **2006B24**
30-Jun-20

Client: Pima Environmental Services LLC
Project: Antares 23 Fed 13H

Sample ID: **MB-53346** SampType: **mblk** TestCode: **EPA Method 300.0: Anions**
Client ID: **PBS** Batch ID: **53346** RunNo: **69932**
Prep Date: **6/26/2020** Analysis Date: **6/27/2020** SeqNo: **2429433** Units: **mg/Kg**

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

Sample ID: **LCS-53346** SampType: **lcs** TestCode: **EPA Method 300.0: Anions**
Client ID: **LCSS** Batch ID: **53346** RunNo: **69932**
Prep Date: **6/26/2020** Analysis Date: **6/27/2020** SeqNo: **2429434** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	14	1.5	15.00	0	94.7	90	110			

Sample ID: **MB-53353** SampType: **mblk** TestCode: **EPA Method 300.0: Anions**
Client ID: **PBS** Batch ID: **53353** RunNo: **69972**
Prep Date: **6/27/2020** Analysis Date: **6/27/2020** SeqNo: **2430603** Units: **mg/Kg**

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

Sample ID: **LCS-53353** SampType: **lcs** TestCode: **EPA Method 300.0: Anions**
Client ID: **LCSS** Batch ID: **53353** RunNo: **69972**
Prep Date: **6/27/2020** Analysis Date: **6/27/2020** SeqNo: **2430604** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	14	1.5	15.00	0	92.3	90	110			

Sample ID: **MB-53352** SampType: **mblk** TestCode: **EPA Method 300.0: Anions**
Client ID: **PBS** Batch ID: **53352** RunNo: **69976**
Prep Date: **6/27/2020** Analysis Date: **6/27/2020** SeqNo: **2430817** Units: **mg/Kg**

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

Sample ID: **LCS-53352** SampType: **lcs** TestCode: **EPA Method 300.0: Anions**
Client ID: **LCSS** Batch ID: **53352** RunNo: **69976**
Prep Date: **6/27/2020** Analysis Date: **6/27/2020** SeqNo: **2430818** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	14	1.5	15.00	0	94.4	90	110			

Qualifiers:

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

QC SUMMARY REPORT
Hall Environmental Analysis Laboratory, Inc.

WO#: **2006B24**
30-Jun-20

Client: Pima Environmental Services LLC
Project: Antares 23 Fed 13H

Sample ID: **MB-53273** SampType: **MBLK** TestCode: **EPA Method 8015M/D: Diesel Range Organics**
Client ID: **PBS** Batch ID: **53273** RunNo: **69876**
Prep Date: **6/24/2020** Analysis Date: **6/25/2020** SeqNo: **2426530** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	ND	10								
Motor Oil Range Organics (MRO)	ND	50								
Surr: DNOP	12		10.00		116	55.1	146			

Sample ID: **LCS-53273** SampType: **LCS** TestCode: **EPA Method 8015M/D: Diesel Range Organics**
Client ID: **LCSS** Batch ID: **53273** RunNo: **69876**
Prep Date: **6/24/2020** Analysis Date: **6/25/2020** SeqNo: **2426555** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	61	10	50.00	0	123	70	130			
Surr: DNOP	5.9		5.000		118	55.1	146			

Sample ID: **2006B24-006AMS** SampType: **MS** TestCode: **EPA Method 8015M/D: Diesel Range Organics**
Client ID: **S-2 1'** Batch ID: **53273** RunNo: **69876**
Prep Date: **6/24/2020** Analysis Date: **6/25/2020** SeqNo: **2427146** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	50	9.5	47.39	0	106	47.4	136			
Surr: DNOP	5.5		4.739		117	55.1	146			

Sample ID: **2006B24-006AMSD** SampType: **MSD** TestCode: **EPA Method 8015M/D: Diesel Range Organics**
Client ID: **S-2 1'** Batch ID: **53273** RunNo: **69876**
Prep Date: **6/24/2020** Analysis Date: **6/25/2020** SeqNo: **2427326** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	55	9.9	49.41	0	110	47.4	136	8.41	43.4	
Surr: DNOP	6.2		4.941		126	55.1	146	0	0	

Sample ID: **MB-53300** SampType: **MBLK** TestCode: **EPA Method 8015M/D: Diesel Range Organics**
Client ID: **PBS** Batch ID: **53300** RunNo: **69928**
Prep Date: **6/25/2020** Analysis Date: **6/26/2020** SeqNo: **2428774** 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	11		10.00		112	55.1	146			

Qualifiers:

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

QC SUMMARY REPORT
Hall Environmental Analysis Laboratory, Inc.

WO#: **2006B24**
30-Jun-20

Client: Pima Environmental Services LLC
Project: Antares 23 Fed 13H

Sample ID: **2006B24-015AMS** SampType: **MS** TestCode: **EPA Method 8015M/D: Diesel Range Organics**
Client ID: **S-4 2'** Batch ID: **53286** RunNo: **69928**
Prep Date: **6/24/2020** Analysis Date: **6/26/2020** SeqNo: **2429016** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	51	9.6	47.80	0	107	47.4	136			
Surr: DNOP	3.8		4.780		79.6	55.1	146			

Sample ID: **2006B24-015AMSD** SampType: **MSD** TestCode: **EPA Method 8015M/D: Diesel Range Organics**
Client ID: **S-4 2'** Batch ID: **53286** RunNo: **69928**
Prep Date: **6/24/2020** Analysis Date: **6/26/2020** SeqNo: **2429017** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	65	9.9	49.60	0	131	47.4	136	23.8	43.4	
Surr: DNOP	5.8		4.960		116	55.1	146	0	0	

Sample ID: **2006B24-029AMS** SampType: **MS** TestCode: **EPA Method 8015M/D: Diesel Range Organics**
Client ID: **BG-4** Batch ID: **53300** RunNo: **69928**
Prep Date: **6/25/2020** Analysis Date: **6/26/2020** SeqNo: **2429032** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	60	9.7	48.73	0	124	47.4	136			
Surr: DNOP	6.1		4.873		125	55.1	146			

Sample ID: **2006B24-029AMSD** SampType: **MSD** TestCode: **EPA Method 8015M/D: Diesel Range Organics**
Client ID: **BG-4** Batch ID: **53300** RunNo: **69928**
Prep Date: **6/25/2020** Analysis Date: **6/26/2020** SeqNo: **2429033** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	59	9.6	48.17	0	123	47.4	136	1.38	43.4	
Surr: DNOP	6.2		4.817		128	55.1	146	0	0	

Sample ID: **LCS-53272** SampType: **LCS** TestCode: **EPA Method 8015M/D: Diesel Range Organics**
Client ID: **LCSS** Batch ID: **53272** RunNo: **69928**
Prep Date: **6/24/2020** Analysis Date: **6/26/2020** SeqNo: **2429058** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	51	10	50.00	0	101	70	130			
Surr: DNOP	4.8		5.000		95.2	55.1	146			

Sample ID: **LCS-53286** SampType: **LCS** TestCode: **EPA Method 8015M/D: Diesel Range Organics**
Client ID: **LCSS** Batch ID: **53286** RunNo: **69928**
Prep Date: **6/24/2020** Analysis Date: **6/26/2020** SeqNo: **2429059** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual

Qualifiers:

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

QC SUMMARY REPORT
Hall Environmental Analysis Laboratory, Inc.

WO#: **2006B24**
30-Jun-20

Client: Pima Environmental Services LLC
Project: Antares 23 Fed 13H

Sample ID: **LCS-53286** SampType: **LCS** TestCode: **EPA Method 8015M/D: Diesel Range Organics**
Client ID: **LCSS** Batch ID: **53286** RunNo: **69928**
Prep Date: **6/24/2020** Analysis Date: **6/26/2020** SeqNo: **2429059** 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	99.8	70	130			
Surr: DNOP	3.1		5.000		62.9	55.1	146			

Sample ID: **MB-53272** SampType: **MBLK** TestCode: **EPA Method 8015M/D: Diesel Range Organics**
Client ID: **PBS** Batch ID: **53272** RunNo: **69928**
Prep Date: **6/24/2020** Analysis Date: **6/26/2020** SeqNo: **2429060** 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	10		10.00		103	55.1	146			

Sample ID: **MB-53286** SampType: **MBLK** TestCode: **EPA Method 8015M/D: Diesel Range Organics**
Client ID: **PBS** Batch ID: **53286** RunNo: **69928**
Prep Date: **6/24/2020** Analysis Date: **6/26/2020** SeqNo: **2429061** 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	7.6		10.00		75.8	55.1	146			

Sample ID: **LCS-53300** SampType: **LCS** TestCode: **EPA Method 8015M/D: Diesel Range Organics**
Client ID: **LCSS** Batch ID: **53300** RunNo: **69943**
Prep Date: **6/25/2020** Analysis Date: **6/26/2020** SeqNo: **2429064** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	61	10	50.00	0	121	70	130			
Surr: DNOP	6.2		5.000		124	55.1	146			

Sample ID: **LCS-53344** SampType: **LCS** TestCode: **EPA Method 8015M/D: Diesel Range Organics**
Client ID: **LCSS** Batch ID: **53344** RunNo: **69949**
Prep Date: **6/26/2020** Analysis Date: **6/27/2020** SeqNo: **2429356** Units: **%Rec**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: DNOP	5.2		5.000		105	55.1	146			

Qualifiers:

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

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: **2006B24**

30-Jun-20

Client: Pima Environmental Services LLC

Project: Antares 23 Fed 13H

Sample ID: **MB-53344** SampType: **MBLK** TestCode: **EPA Method 8015M/D: Diesel Range Organics**
Client ID: **PBS** Batch ID: **53344** RunNo: **69949**
Prep Date: **6/26/2020** Analysis Date: **6/27/2020** SeqNo: **2429357** Units: **%Rec**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: DNOP	11		10.00		110	55.1	146			

Sample ID: **LCS-53347** SampType: **LCS** TestCode: **EPA Method 8015M/D: Diesel Range Organics**
Client ID: **LCSS** Batch ID: **53347** RunNo: **69949**
Prep Date: **6/26/2020** Analysis Date: **6/27/2020** SeqNo: **2429760** Units: **%Rec**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: DNOP	5.8		5.000		116	55.1	146			

Sample ID: **LCS-53351** SampType: **LCS** TestCode: **EPA Method 8015M/D: Diesel Range Organics**
Client ID: **LCSS** Batch ID: **53351** RunNo: **69949**
Prep Date: **6/27/2020** Analysis Date: **6/27/2020** SeqNo: **2429761** Units: **%Rec**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: DNOP	4.8		5.000		95.5	55.1	146			

Sample ID: **LCS-53354** SampType: **LCS** TestCode: **EPA Method 8015M/D: Diesel Range Organics**
Client ID: **LCSS** Batch ID: **53354** RunNo: **69949**
Prep Date: **6/27/2020** Analysis Date: **6/27/2020** SeqNo: **2429762** Units: **%Rec**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: DNOP	4.4		5.000		88.7	55.1	146			

Sample ID: **MB-53347** SampType: **MBLK** TestCode: **EPA Method 8015M/D: Diesel Range Organics**
Client ID: **PBS** Batch ID: **53347** RunNo: **69949**
Prep Date: **6/26/2020** Analysis Date: **6/27/2020** SeqNo: **2429763** Units: **%Rec**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: DNOP	12		10.00		118	55.1	146			

Sample ID: **MB-53351** SampType: **MBLK** TestCode: **EPA Method 8015M/D: Diesel Range Organics**
Client ID: **PBS** Batch ID: **53351** RunNo: **69949**
Prep Date: **6/27/2020** Analysis Date: **6/27/2020** SeqNo: **2429764** Units: **%Rec**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: DNOP	8.5		10.00		85.2	55.1	146			

Qualifiers:

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

QC SUMMARY REPORT
Hall Environmental Analysis Laboratory, Inc.

WO#: **2006B24**
30-Jun-20

Client: Pima Environmental Services LLC
Project: Antares 23 Fed 13H

Sample ID: **MB-53354**	SampType: **MBLK**	TestCode: **EPA Method 8015M/D: Diesel Range Organics**
Client ID: **PBS**	Batch ID: **53354**	RunNo: **69949**
Prep Date: **6/27/2020**	Analysis Date: **6/27/2020**	SeqNo: **2429765** Units: **%Rec**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: DNOP	8.3		10.00		83.3	55.1	146			

Qualifiers:

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

QC SUMMARY REPORT
Hall Environmental Analysis Laboratory, Inc.

WO#: **2006B24**
30-Jun-20

Client: Pima Environmental Services LLC
Project: Antares 23 Fed 13H

Sample ID: **2006b24-007ams** SampType: **MS** TestCode: **EPA Method 8015D: Gasoline Range**
Client ID: **S-2 2'** Batch ID: **53259** RunNo: **69911**
Prep Date: **6/23/2020** Analysis Date: **6/25/2020** SeqNo: **2427651** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	19	4.6	22.96	0	84.6	80	120			
Surr: BFB	1000		918.3		108	66.6	105			S

Sample ID: **2006b24-007amsd** SampType: **MSD** TestCode: **EPA Method 8015D: Gasoline Range**
Client ID: **S-2 2'** Batch ID: **53259** RunNo: **69911**
Prep Date: **6/23/2020** Analysis Date: **6/25/2020** SeqNo: **2427652** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	21	4.8	23.88	0	88.6	80	120	8.46	20	
Surr: BFB	1000		955.1		110	66.6	105	0	0	S

Sample ID: **2006b24-027ams** SampType: **MS** TestCode: **EPA Method 8015D: Gasoline Range**
Client ID: **BG-2A** Batch ID: **53262** RunNo: **69911**
Prep Date: **6/23/2020** Analysis Date: **6/25/2020** SeqNo: **2427673** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	20	4.8	23.83	0	82.9	80	120			
Surr: BFB	1000		953.3		109	66.6	105			S

Sample ID: **2006b24-027amsd** SampType: **MSD** TestCode: **EPA Method 8015D: Gasoline Range**
Client ID: **BG-2A** Batch ID: **53262** RunNo: **69911**
Prep Date: **6/23/2020** Analysis Date: **6/25/2020** SeqNo: **2427674** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	20	4.7	23.70	0	85.3	80	120	2.33	20	
Surr: BFB	1000		947.9		110	66.6	105	0	0	S

Sample ID: **lcs-53259** SampType: **LCS** TestCode: **EPA Method 8015D: Gasoline Range**
Client ID: **LCSS** Batch ID: **53259** RunNo: **69911**
Prep Date: **6/23/2020** Analysis Date: **6/25/2020** SeqNo: **2427687** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	20	5.0	25.00	0	82.0	80	120			
Surr: BFB	1100		1000		110	66.6	105			S

Sample ID: **lcs-53262** SampType: **LCS** TestCode: **EPA Method 8015D: Gasoline Range**
Client ID: **LCSS** Batch ID: **53262** RunNo: **69911**
Prep Date: **6/23/2020** Analysis Date: **6/25/2020** SeqNo: **2427688** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual

Qualifiers:

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

QC SUMMARY REPORT
Hall Environmental Analysis Laboratory, Inc.

WO#: **2006B24**
30-Jun-20

Client: Pima Environmental Services LLC
Project: Antares 23 Fed 13H

Sample ID: **lcs-53262** SampType: **LCS** TestCode: **EPA Method 8015D: Gasoline Range**
Client ID: **LCSS** Batch ID: **53262** RunNo: **69911**
Prep Date: **6/23/2020** Analysis Date: **6/25/2020** SeqNo: **2427688** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	20	5.0	25.00	0	80.7	80	120			
Surr: BFB	1200		1000		116	66.6	105			S

Sample ID: **mb-53259** SampType: **MBLK** TestCode: **EPA Method 8015D: Gasoline Range**
Client ID: **PBS** Batch ID: **53259** RunNo: **69911**
Prep Date: **6/23/2020** Analysis Date: **6/25/2020** SeqNo: **2427689** 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	980		1000		98.0	66.6	105			

Sample ID: **mb-53262** SampType: **MBLK** TestCode: **EPA Method 8015D: Gasoline Range**
Client ID: **PBS** Batch ID: **53262** RunNo: **69911**
Prep Date: **6/23/2020** Analysis Date: **6/25/2020** SeqNo: **2427690** 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	1000		1000		103	66.6	105			

Qualifiers:

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

QC SUMMARY REPORT
Hall Environmental Analysis Laboratory, Inc.

WO#: **2006B24**
30-Jun-20

Client: Pima Environmental Services LLC
Project: Antares 23 Fed 13H

Sample ID: **2006b24-006ams** SampType: **MS** TestCode: **EPA Method 8021B: Volatiles**
Client ID: **S-2 1'** Batch ID: **53259** RunNo: **69911**
Prep Date: **6/23/2020** Analysis Date: **6/25/2020** SeqNo: **2427714** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.91	0.024	0.9766	0	92.7	78.5	119			
Toluene	0.94	0.049	0.9766	0	96.4	75.7	123			
Ethylbenzene	0.95	0.049	0.9766	0	97.2	74.3	126			
Xylenes, Total	2.9	0.098	2.930	0	97.6	72.9	130			
Surr: 4-Bromofluorobenzene	0.98		0.9766		101	80	120			

Sample ID: **2006b24-006amsd** SampType: **MSD** TestCode: **EPA Method 8021B: Volatiles**
Client ID: **S-2 1'** Batch ID: **53259** RunNo: **69911**
Prep Date: **6/23/2020** Analysis Date: **6/25/2020** SeqNo: **2427715** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.93	0.024	0.9794	0	94.8	78.5	119	2.52	20	
Toluene	0.96	0.049	0.9794	0	97.9	75.7	123	1.82	20	
Ethylbenzene	0.97	0.049	0.9794	0	98.7	74.3	126	1.78	20	
Xylenes, Total	2.9	0.098	2.938	0	99.1	72.9	130	1.80	20	
Surr: 4-Bromofluorobenzene	1.0		0.9794		102	80	120	0	0	

Sample ID: **2006b24-026ams** SampType: **MS** TestCode: **EPA Method 8021B: Volatiles**
Client ID: **BG-2** Batch ID: **53262** RunNo: **69911**
Prep Date: **6/23/2020** Analysis Date: **6/25/2020** SeqNo: **2427736** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.87	0.024	0.9718	0.01301	88.6	78.5	119			
Toluene	0.91	0.049	0.9718	0.01077	92.3	75.7	123			
Ethylbenzene	0.91	0.049	0.9718	0	93.3	74.3	126			
Xylenes, Total	2.8	0.097	2.915	0	94.6	72.9	130			
Surr: 4-Bromofluorobenzene	1.0		0.9718		104	80	120			

Sample ID: **2006b24-026amsd** SampType: **MSD** TestCode: **EPA Method 8021B: Volatiles**
Client ID: **BG-2** Batch ID: **53262** RunNo: **69911**
Prep Date: **6/23/2020** Analysis Date: **6/25/2020** SeqNo: **2427737** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.86	0.024	0.9407	0.01301	90.2	78.5	119	1.41	20	
Toluene	0.89	0.047	0.9407	0.01077	93.2	75.7	123	2.26	20	
Ethylbenzene	0.90	0.047	0.9407	0	96.0	74.3	126	0.345	20	
Xylenes, Total	2.7	0.094	2.822	0	96.1	72.9	130	1.60	20	
Surr: 4-Bromofluorobenzene	0.97		0.9407		103	80	120	0	0	

Qualifiers:

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

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: **2006B24**

30-Jun-20

Client: Pima Environmental Services LLC

Project: Antares 23 Fed 13H

Sample ID: **LCS-53259** SampType: **LCS** TestCode: **EPA Method 8021B: Volatiles**

Client ID: **LCSS** Batch ID: **53259** RunNo: **69911**

Prep Date: **6/23/2020** Analysis Date: **6/25/2020** SeqNo: **2427751** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.90	0.025	1.000	0	89.8	80	120			
Toluene	0.92	0.050	1.000	0	92.1	80	120			
Ethylbenzene	0.92	0.050	1.000	0	92.1	80	120			
Xylenes, Total	2.8	0.10	3.000	0	92.5	80	120			
Surr: 4-Bromofluorobenzene	1.0		1.000		101	80	120			

Sample ID: **LCS-53262** SampType: **LCS** TestCode: **EPA Method 8021B: Volatiles**

Client ID: **LCSS** Batch ID: **53262** RunNo: **69911**

Prep Date: **6/23/2020** Analysis Date: **6/25/2020** SeqNo: **2427752** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.88	0.025	1.000	0	87.8	80	120			
Toluene	0.90	0.050	1.000	0	89.8	80	120			
Ethylbenzene	0.90	0.050	1.000	0	90.3	80	120			
Xylenes, Total	2.7	0.10	3.000	0	91.0	80	120			
Surr: 4-Bromofluorobenzene	1.1		1.000		106	80	120			

Sample ID: **mb-53259** SampType: **MBLK** TestCode: **EPA Method 8021B: Volatiles**

Client ID: **PBS** Batch ID: **53259** RunNo: **69911**

Prep Date: **6/23/2020** Analysis Date: **6/25/2020** SeqNo: **2427753** 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	0.98		1.000		98.4	80	120			

Sample ID: **mb-53262** SampType: **MBLK** TestCode: **EPA Method 8021B: Volatiles**

Client ID: **PBS** Batch ID: **53262** RunNo: **69911**

Prep Date: **6/23/2020** Analysis Date: **6/25/2020** SeqNo: **2427754** 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			

Qualifiers:

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

QC SUMMARY REPORT
Hall Environmental Analysis Laboratory, Inc.

WO#: **2006B24**
30-Jun-20

Client: Pima Environmental Services LLC
Project: Antares 23 Fed 13H

Sample ID: **mb-53254** SampType: **MBLK** TestCode: **EPA Method 8260B: Volatiles Short List**
Client ID: **PBS** Batch ID: **53254** RunNo: **69880**
Prep Date: **6/23/2020** Analysis Date: **6/24/2020** SeqNo: **2426690** 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	0.56		0.5000		113	70	130			
Surr: 4-Bromofluorobenzene	0.46		0.5000		92.9	70	130			
Surr: Dibromofluoromethane	0.54		0.5000		108	70	130			
Surr: Toluene-d8	0.52		0.5000		105	70	130			

Sample ID: **lcs-53254** SampType: **LCS4** TestCode: **EPA Method 8260B: Volatiles Short List**
Client ID: **BatchQC** Batch ID: **53254** RunNo: **69880**
Prep Date: **6/23/2020** Analysis Date: **6/24/2020** SeqNo: **2426694** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	1.1	0.025	1.000	0	109	80	120			
Toluene	0.96	0.050	1.000	0	96.3	80	120			
Ethylbenzene	1.0	0.050	1.000	0	103	80	120			
Xylenes, Total	3.1	0.10	3.000	0	104	80	120			
Surr: 1,2-Dichloroethane-d4	0.51		0.5000		103	70	130			
Surr: 4-Bromofluorobenzene	0.49		0.5000		97.6	70	130			
Surr: Dibromofluoromethane	0.54		0.5000		108	70	130			
Surr: Toluene-d8	0.52		0.5000		104	70	130			

Qualifiers:

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

QC SUMMARY REPORT
Hall Environmental Analysis Laboratory, Inc.

WO#: **2006B24**
30-Jun-20

Client: Pima Environmental Services LLC
Project: Antares 23 Fed 13H

Sample ID: **mb-53254** SampType: **MBLK** TestCode: **EPA Method 8015D Mod: Gasoline Range**
Client ID: **PBS** Batch ID: **53254** RunNo: **69880**
Prep Date: **6/23/2020** Analysis Date: **6/24/2020** SeqNo: **2426721** 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	460		500.0		92.0	70	130			

Sample ID: **lcs-53254** SampType: **LCS** TestCode: **EPA Method 8015D Mod: Gasoline Range**
Client ID: **LCSS** Batch ID: **53254** RunNo: **69880**
Prep Date: **6/23/2020** Analysis Date: **6/24/2020** SeqNo: **2426722** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	20	5.0	25.00	0	79.6	70	130			
Surr: BFB	490		500.0		97.0	70	130			

Qualifiers:

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

HALL ENVIRONMENTAL ANALYSIS LABORATORY

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

Sample Log-In Check List

Client Name: Pima Environmental Services LLC | Work Order Number: 2006B24 | RcptNo: 1

Received By: **Scott Anderson** 6/23/2020 9:10:00 AM

Completed By: **Juan Rojas** 6/23/2020 9:37:31 AM

Reviewed By: JO 6/23/20

Chain of Custody

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

Log In

3. Was an attempt made to cool the samples? Yes ☑ No ☐ NA ☐
4. Were all samples received at a temperature of >0° C to 6.0°C Yes ☐ No ☑ NA ☐ Not Frozen.
5. Sample(s) in proper container(s)? Yes ☑ No ☐
6. Sufficient sample volume for indicated test(s)? Yes ☑ No ☐
7. Are samples (except VOA and ONG) properly preserved? Yes ☑ No ☐
8. Was preservative added to bottles? Yes ☐ No ☑ NA ☐
9. Received at least 1 vial with headspace <1/4" for AQ VOA? Yes ☐ No ☐ NA ☑
10. Were any sample containers received broken? Yes ☐ No ☑
11. Does paperwork match bottle labels? (Note discrepancies on chain of custody) Yes ☑ No ☐
12. Are matrices correctly identified on Chain of Custody? Yes ☑ No ☐
13. Is it clear what analyses were requested? Yes ☑ No ☐
14. Were all holding times able to be met? (If no, notify customer for authorization.) Yes ☑ No ☐

# of preserved bottles checked for pH: _____ (<2 or >12 unless noted)
Adjusted? _____
Checked by: JR 6/23/20

Special Handling (if applicable)

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

Person Notified: _____ Date _____
By Whom: _____ Via: ☐ eMail ☐ Phone ☐ Fax ☐ In Person
Regarding: _____
Client Instructions: _____

16. Additional remarks:

17. **Cooler Information**

Cooler No	Temp °C	Condition	Seal Intact	Seal No	Seal Date	Signed By
1	6.1	Good				
2	1.9	Good				

Chain-of-Custody Record

Client: Pima Environmental

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

Phone #: 575-631-6977

email or Fax#: chris@pimaoil.com

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

Accreditation: ☐ Az Compliance
☐ NELAC ☐ Other

☐ EDD (Type)

Turn-Around Time: 5 day Turn
☑ Standard ☐ Rush

Project Name: Antares 23 Fed 13H

Project #: 9

Project Manager: Chris Jones

Sampler: Robert Cooper

On Ice: ☑ Yes ☐ No

# of Coolers: 2

Cooler Temp(including CF): 6.1 +1.9 -0 = 6.1 +1.9 (°C)

HALL ENVIRONMENTAL ANALYSIS LABORATORY
www.hallenvironmental.com
4901 Hawkins NE - Albuquerque, NM 87109
Tel. 505-345-3975 Fax 505-345-4107

Analysis Request

Date	Time	Matrix	Sample Name	Container Type and #	Preservative Type	HEAL No. 2006824	BTEX / MTBE / TMB's (8021)	TPH:8015D(GRO / DRO / MRO)	8081 Pesticides/8082 PCB's	EDB (Method 504.1)	PAHs by 8310 or 8270SIMS	RCRA 8 Metals	Cl, F, Br, NO_3, NO_2, PO_4, SO_4	8260 (VOA)	8270 (Semi-VOA)	Total Coliform (Present/Absent)	Chlorides
6/19/20	12:00		S-1 0"-6"	Glass		-001											
	12:02		S-1 1'			-002											
	12:04		S-1 2'			-003											
	12:06		S-1 3'			-004											
	12:08		S-2 0"-6"			-005											
	12:10		S-2 1'			-006											
	12:12		S-2 2'			-007											
	12:14		S-2 3'			-008											
	12:16		S-3 0"-6"			-009											
	12:18		S-3 1'			-010											
	12:19		S-3 2'			-011											
	12:20		S-3 3'			-012											

Date	Time	Relinquished by:	Received by:	Via:	Date	Time
6/22/20	4:07	Robert Cooper			6/22/20	1600
6/22/20	1910		SPA Courier		6.23.20	9:10

Remarks:

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

Received by OCD: 7/1/2020 5:13:58 PM

Chain-of-Custody Record

Client: Pima Environmental

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

Phone #: 575-631-6977

email or Fax#: Chris@Pimaoilfield.com

QA/QC Package:

☑ Standard ☐ Level 4 (Full Validation)

Accreditation: ☐ Az Compliance ☐ NELAC ☐ Other

☐ EDD (Type)

Turn-Around Time: Sorry Turn

☑ Standard ☐ Rush

Project Name: Antares 23 Fed 13H

Project #: 9

Project Manager: Chris Jones

Sampler: Robert Carpenter

On Ice: ☑ Yes ☐ No

# of Coolers: 2

Cooler Temp(including CF): 6.1 -0 = 6.1 °C

HALL ENVIRONMENTAL ANALYSIS LABORATORY

www.hallenvironmental.com

4901 Hawkins NE - Albuquerque, NM 87109

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

Analysis Request

Date	Time	Matrix	Sample Name	Container Type and #	Preservative Type	HEAL No. 2006824	BTEX / MTBE / TMB's (8021)	TPH:8015D(GRO / DRO / MRO)	8081 Pesticides/8082 PCB's	EDB (Method 504.1)	PAHs by 8310 or 8270SIMS	RCRA 8 Metals	Cl, F, Br, NO_3, NO_2, PO_4, SO_4	8260 (VOA)	8270 (Semi-VOA)	Total Coliform (Present/Absent)	Chlorides
6/19/20	12:32		S-4 0'-6'	Glass		-013											
	12:34		S-4 1'			-014											
	12:36		S-4 2'			-015											
	12:38		S-4 3'			-016											
	12:40		S-5 0'-6'			-017											
	12:42		S-5 1'			-018											
	12:44		S-5 2'			-019											
	12:46		S-5 3'			-020											
	12:48		S-6 0.1'-6'			-021											
	12:50		S-6 1'			-022											
	12:52		S-6 2'			-023											
↓	12:54		S-6 3'	↓		-024	↓	↓								↓	

Date	Time	Relinquished by:	Received by:	Via:	Date	Time
6/22/20	4:07				6/22/20	1600
6/22/20	1900		SPA Courier		6.23.20	9:10

Remarks:

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

Received by OCD: 7/1/2020 5:13:58 PM

Chain-of-Custody Record

Client: Pure Environmental

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

Phone #: 575-631-6977

email or Fax#: Chris@Pureoil.com

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

Accreditation: ☐ Az Compliance
☐ NELAC ☐ Other

☐ EDD (Type)

Turn-Around Time: 5 day Turn
☑ Standard ☐ Rush

Project Name: Antares 23 Fed 13H

Project #: 01

Project Manager: Chris Jones

Sampler: Robert Cooper

On Ice: ☒ Yes ☐ No

# of Coolers: 2

Cooler Temp(including CF): 5.1+0=5.1 (°C)

HALL ENVIRONMENTAL ANALYSIS LABORATORY

www.hallenvironmental.com

4901 Hawkins NE - Albuquerque, NM 87109

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

Analysis Request

Date	Time	Matrix	Sample Name	Container Type and #	Preservative Type	HEAL No. 2006324	BTEX / MTBE / TMB's (8021)	TPH:8015D(GRO / DRO / MRO)	8081 Pesticides/8082 PCB's	EDB (Method 504.1)	PAHs by 8310 or 8270SIMS	RCRA 8 Metals	Cl, F, Br, NO_3, NO_2, PO_4, SO_4	8260 (VOA)	8270 (Semi-VOA)	Total Coliform (Present/Absent)	Chlorides
6/19/20	1:02		BG-1	Glass		-025	✓	✓									✓
	1:04		BG-2			-026											
	1:06		BG-2A			-027											
	1:08		BG-3			-028											
	1:10		BG-4			-029											
	1:12		BG-5			-030											
	1:14		BG-6			-031											
	1:16		BG-7			-032											
	1:18		BG-8			-033	✓	✓								✓	

Date	Time	Relinquished by:	Received by:	Via:	Date	Time
6/22/20	4:07				6/22/20	1600
6/22/20	1900		SPA Courier		6.23.20	9:10

Remarks:

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