



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

April 15th, 2021

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

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

**Re: Site Remediation and Closure Report
Aquila 22 Federal Com #001H
API No. 30-015-40627
GPS: Latitude 32.650686 Longitude -103.849117
UL "A", Sec. 22, T19S, R31E
Eddy County, NM
NMOCD Ref. No. NAB1805055785 (2RP-4626)**

Dear Mr. Bratcher and Mr. Amos,

Pima Environmental Services, LLC (Pima) has been contracted by Devon Energy Production Company (Devon) to perform a spill assessment and remediation activities for an oil release that occurred at the Aquila 22 Fed Com #1H (Aquila). The initial C-141 was submitted on January 30th, 2018 (Appendix C). This incident was assigned Incident ID NAB1805055785 (2RP-4626), by the New Mexico Oil Conservation Division (NMOCD).

Site Characterization

The Aquila is located approximately fourteen (14) miles southeast of Loco Hills, NM. This spill site is in Unit A, Section 22, Township 19S, Range 31E, Latitude 32.650686, Longitude -103.849117, Eddy County, NM. Figure 1 references a Location map.

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

According to the New Mexico Office of the State Engineer, depth to the nearest groundwater in this area is 130 feet below grade surface (BGS). According to the United States Geological Survey (USGS), the depth to groundwater is greater than 100 feet below grade surface (BGS). See Appendix A for referenced water surveys.

Table 1 NMAC and Closure Criteria 19.15.29					
Depth to Groundwater (Appendix A)	Constituent & Limits				
	Chlorides	Total TPH	GRO+DRO	BTEX	Benzene
100'	20,000 mg/kg	2,500 mg/kg	1,000 mg/kg	50 mg/kg	10 mg/kg
If the release occurred within any of the following areas, the responsible party would treat the release as if the groundwater was less than 50 feet per Rule 19.15.29					
Water Issues				Yes	No
Within 300 feet of any continuously flowing watercourse or any other significant watercourse					x
Within 200 feet of any lakebed, sinkhole, or playa lake (measures from the ordinary high-water mark)					x
Within 300 feet from an occupied permanent residence, school, hospital, institution, or church					x
Within 500 feet of a spring or a private, domestic freshwater well used by less than five households for domestic or stock water purposes					x
Within 1000 feet of any freshwater well or spring					x
Within incorporated municipal boundaries or within a defined municipal freshwater well field					x
Within 300 feet of a wetlands					x
Within the area overlying a subsurface mine					x
Within an unstable area (Karst)					x
Within a 100-year floodplain					x

Reference Figure 2 for a TOPO Map.

Release Information

NAB1805055785 (2RP-4626): On January 28th, 2018, the lease operator arrived on site to find a water knockout releasing fluid. A malfunctioning valve was found which caused the vessel to overpressure and release fluid from multiple points. The valve was closed immediately. The released fluids were calculated to be approximately 5.8 barrels (bbls) of oil. A vacuum truck was able to recover approximately 1.2 bbls of standing fluid from the area.

Site Assessment and Soil Sampling Results

On June 26th, 2020, Pima Environmental mobilized to the site to conduct a site assessment and obtain soil samples with a hand auger. The laboratory results of this sampling event can be found in the following data table.

6-26-20 Soil Sample Results

NMOCD Table 1 Closure Criteria 19.15.29 NMAC (Depth to Groundwater is >100')								
Sample Date 6-26-20		NM Approved Laboratory Results						
Sample ID	Depth (BGS)	BTEX mg/kg	Benzene mg/kg	GRO mg/kg	DRO mg/kg	MRO mg/kg	Total TPH mg/kg	Cl mg/kg
S-1 S. Composite	0	ND	ND	ND	ND	ND	ND	160
S-2 W. Composite	0	ND	ND	ND	ND	ND	ND	580
S-3 N. Composite	0	ND	ND	ND	290	470	760	1100
S-4 E. Composite	0	ND	ND	ND	5700	4000	9700	310
S-5	0-6"	ND	ND	ND	ND	ND	ND	500
	1'	ND	ND	ND	ND	ND	ND	ND
	2'	ND	ND	ND	ND	ND	ND	ND
	3'	ND	ND	ND	ND	ND	ND	ND
S-6	0-6"	ND	ND	ND	ND	ND	ND	ND
	1'	ND	ND	ND	ND	ND	ND	ND
	2'	ND	ND	ND	ND	ND	ND	ND
	3'	ND	ND	ND	ND	ND	ND	ND
S-7	0-6"	ND	ND	ND	ND	ND	ND	ND
	1'	ND	ND	ND	12	ND	12	ND
	2'	ND	ND	ND	ND	ND	ND	ND
	3'	ND	ND	ND	ND	ND	ND	ND
S-8	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-9	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-10	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
B-1	0-2'	ND	ND	ND	ND	ND	ND	660
B-2	0-1'	ND	ND	ND	ND	ND	ND	2200
	2-4'	ND	ND	ND	ND	ND	ND	6600
BG-1	0	ND	ND	ND	ND	ND	ND	ND
BG-2	0	ND	ND	ND	ND	ND	ND	ND
BG-3	0	ND	ND	ND	ND	ND	ND	ND

ND- Analyte Not Detected

Remediation Activities

On January 18th, 2021, Pima mobilized personnel and equipment to this site and began remediation activities. The area in the vicinity of S-4 E. Composite, was tilled and treated with a bioremediation chemical solution. Photographic documentation of the site and remediation activities can be found in Appendix D.

On March 24th, 2021, Pima returned to the site to collect confirmation samples of the area that had been treated. The results of this sampling event can be found in the following table. The confirmation site map can be found in Figure 5.

NMOCD Table 1 Closure Criteria 19.15.29 NMAC (Depth to Groundwater is >100')								
DEVON ENERGY - AQUILLA 22 FED COM 1H								
3/24/2021		NM Approved Laboratory Results						
Sample ID	Depth (BGS)	BTEX mg/kg	Benzene mg/kg	GRO mg/kg	DRO mg/kg	MRO mg/kg	Total TPH mg/kg	Cl mg/kg
S-1	0-6"		ND	ND	ND	60	ND	110
S-2	0-6"		ND	ND	ND	ND	ND	ND

ND- Analyte Not Detected

Complete Laboratory Reports can be found in Appendix E.

Closure Request

After careful review, Pima requests that this incident, NAB1805055785 (2RP-4626), be closed. Devon has complied with the applicable closure requirements set forth in rule 19.15.19.12 NMAC.

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

Respectfully,



Tom Bynum
Environmental Project Manager
Pima Environmental Services, LLC

Attachments

Figures:

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

Appendices:

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



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Figures:

1-Location Map

2-Topo Map

3-Karst Map

4-Site Map

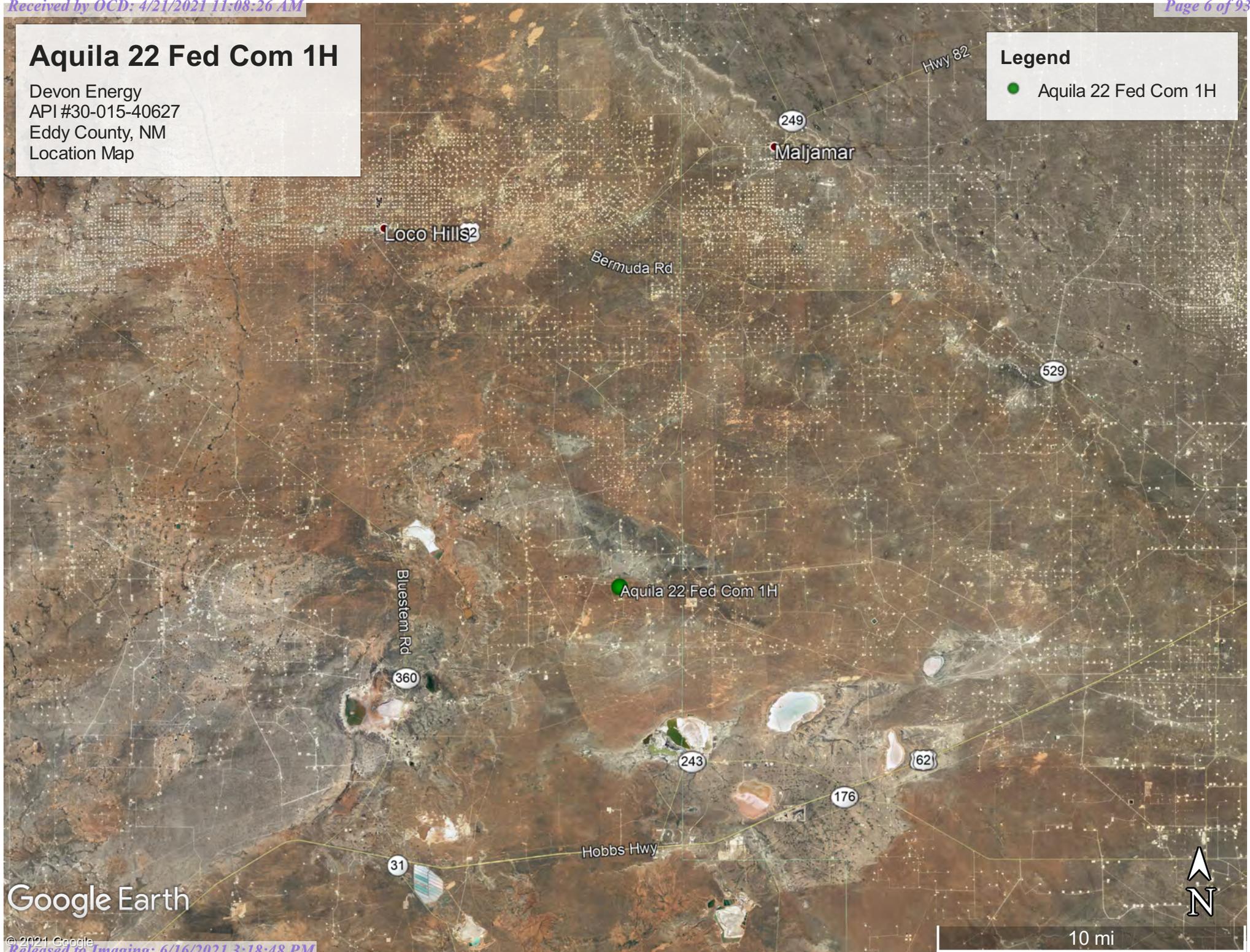
5-Confirmation Site Map

Aquila 22 Fed Com 1H

Devon Energy
API #30-015-40627
Eddy County, NM
Location Map

Legend

● Aquila 22 Fed Com 1H



Google Earth

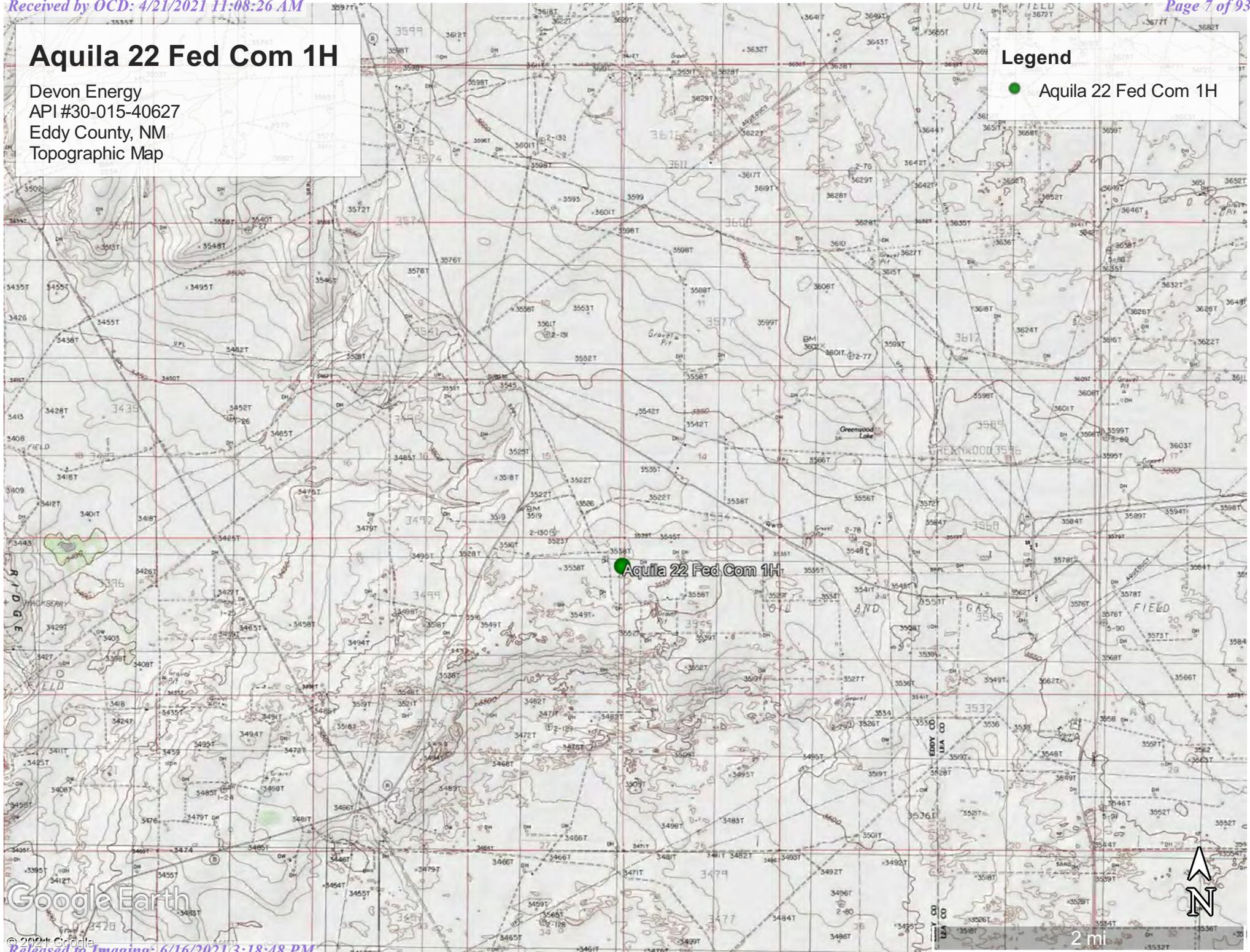
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Aquila 22 Fed Com 1H

Devon Energy
API #30-015-40627
Eddy County, NM
Topographic Map

Legend

● Aquila 22 Fed Com 1H



Google Earth



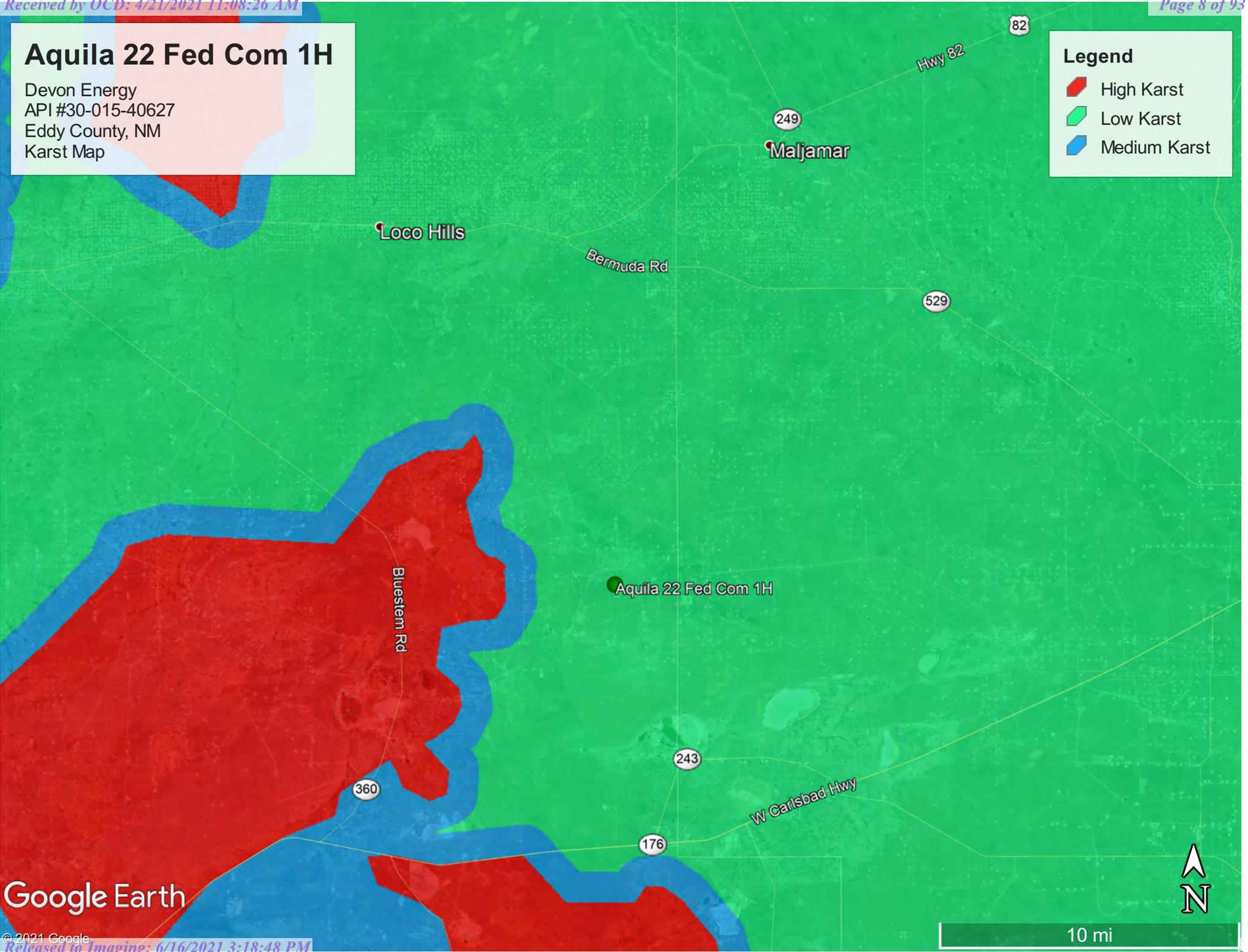
2 mi

Aquila 22 Fed Com 1H

Devon Energy
API #30-015-40627
Eddy County, NM
Karst Map

Legend

- High Karst
- Low Karst
- Medium Karst



Google Earth

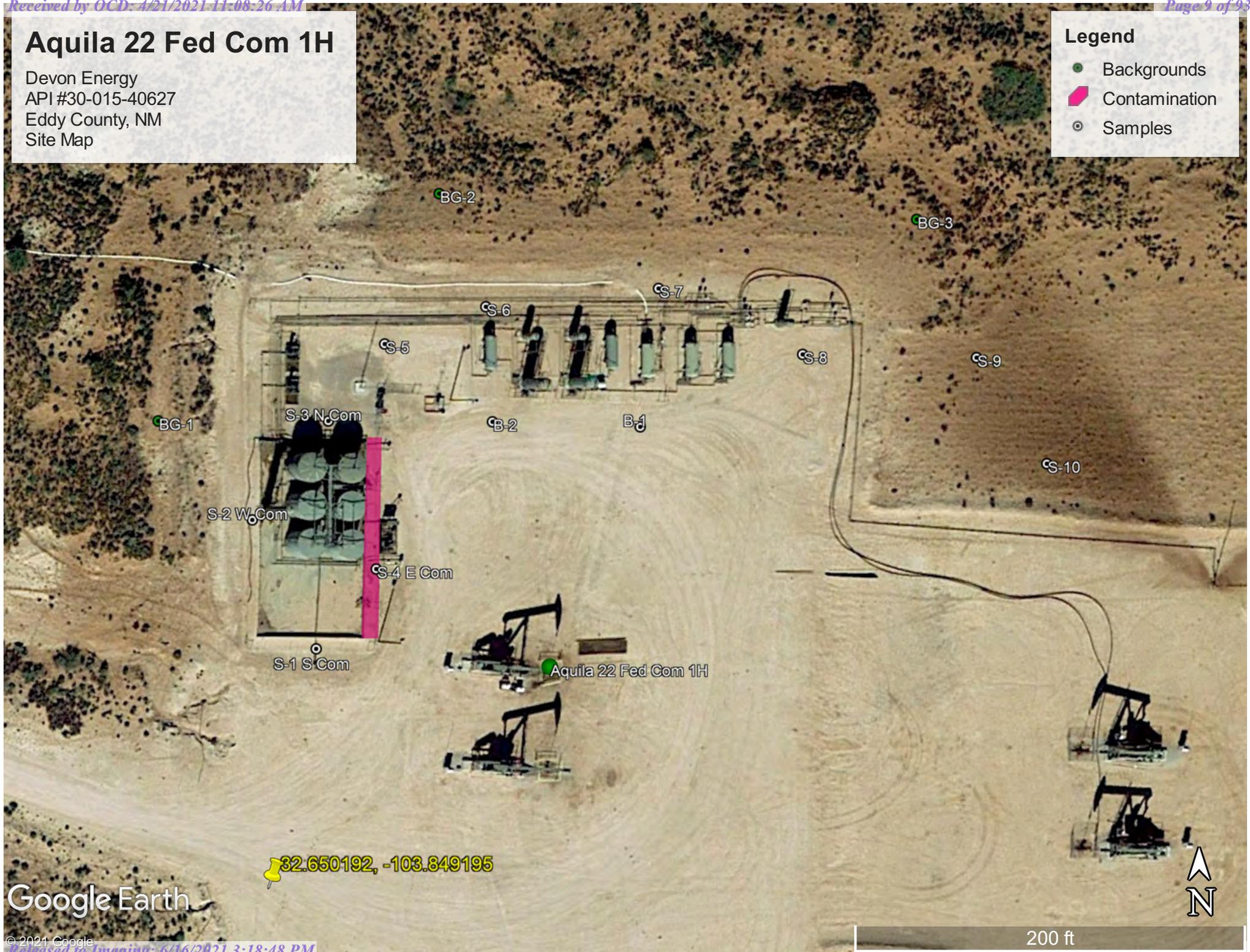
10 mi

Aquila 22 Fed Com 1H

Devon Energy
API #30-015-40627
Eddy County, NM
Site Map

Legend

- Backgrounds
- Contamination
- Samples



Google Earth

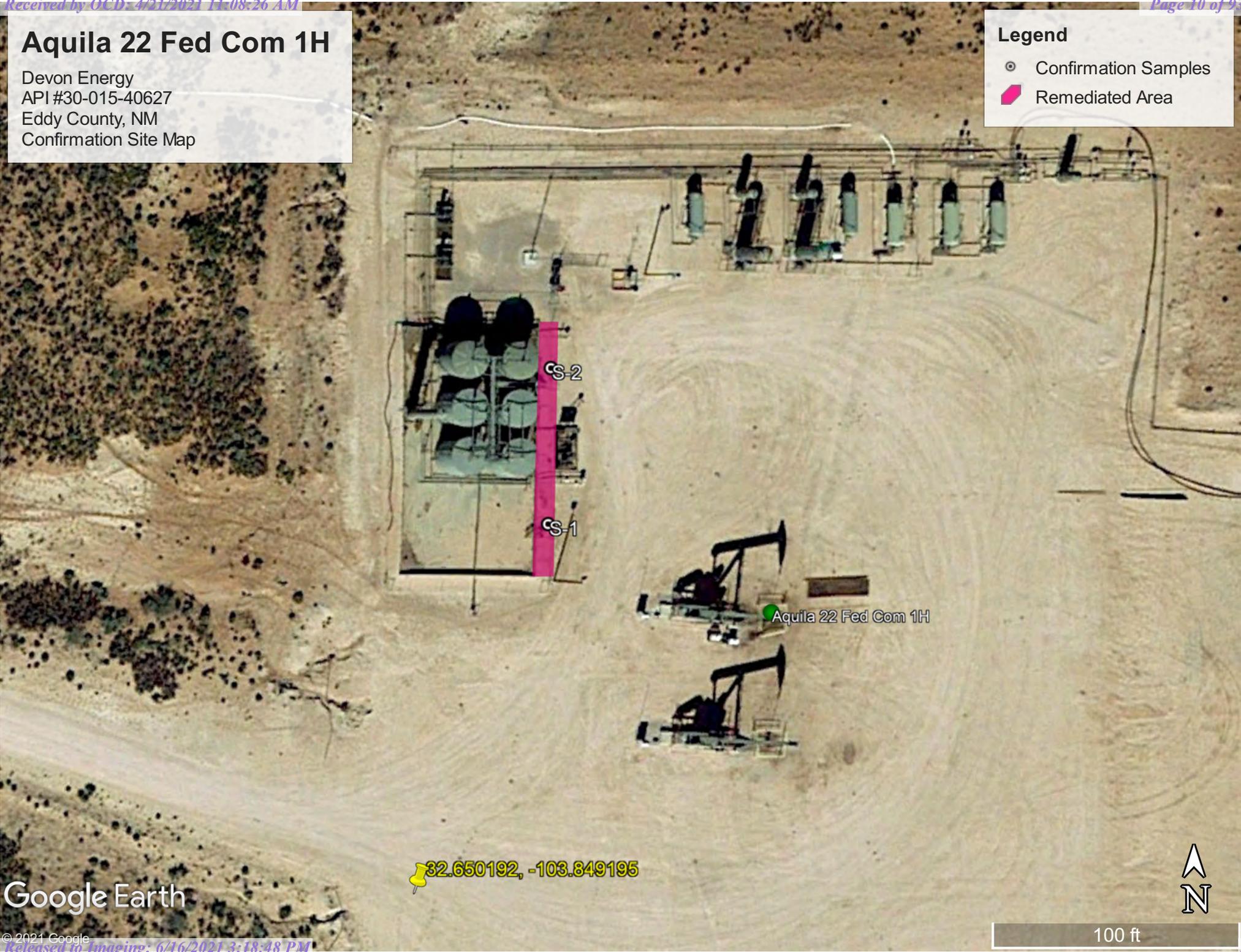
200 ft

Aquila 22 Fed Com 1H

Devon Energy
API #30-015-40627
Eddy County, NM
Confirmation Site Map

Legend

- ⊙ Confirmation Samples
- ▭ Remediated Area



Aquila 22 Fed Com 1H

32.650192, -103.849195

Google Earth



100 ft



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Appendix A

Water Surveys:

OSE

USGS

Surface Water Map



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	POD Code	Sub-basin	County	Q 64	Q 16	Q 4	Sec	Tws	Rng	X	Y	Distance	DepthWell	DepthWater	Water Column
CP 01554 POD2		CP	LE	2	2	1	22	19S	31E	607165	3613322	829	400		
CP 01554 POD1		CP	LE	2	2	1	22	19S	31E	607166	3613354	837	400		
CP 00829 POD1		CP	LE		2	4	16	19S	31E	606165	3614009*	2010	120		
CP 00642 POD1		CP	ED		2	2	25	19S	31E	611025	3611657*	3388	250		
CP 01864 POD1		CP	ED	4	2	1	34	19S	31E	607068	3609824	3425	110		
CP 00722 POD1		CP	LE	4	3	3	28	19S	31E	605106	3610273*	4045	200		
CP 00722 POD1	R	CP	LE	4	3	3	28	19S	31E	605106	3610273*	4045	200		
CP 00725 POD1		CP	ED	1	3	3	28	19S	31E	604906	3610473*	4055	231		
CP 00563 POD1		CP	LE	1	1	2	19	19S	32E	612118	3613376*	4153	300		
CP 00641 POD1		CP	ED		4	1	36	19S	31E	610247	3609634*	4169	300	130	170
CP 00723 POD1		CP	ED	2	1	1	33	19S	31E	605111	3610071*	4186	139		
CP 00722 POD3		CP	LE	2	4	1	33	19S	31E	605519	3609673*	4237	220	140	80
CP 00640 POD1		CP	LE		2	2	19	19S	32E	612621	3613280*	4651	260	102	158

Average Depth to Water: **124 feet**
 Minimum Depth: **102 feet**
 Maximum Depth: **140 feet**

Record Count: 13

UTMNAD83 Radius Search (in meters):

Easting (X): 607972.212

Northing (Y): 3613127.738

Radius: 5000

*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.

4/7/21 2:51 PM

WATER COLUMN/ AVERAGE DEPTH TO WATER



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National Water Information System: Web Interface

USGS Water Resources

Data Category:

Groundwater

Geographic Area:

United States

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Groundwater levels for the Nation

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Search Results -- 1 sites found

site_no list =

- 323810103511401

Minimum number of levels = 1

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

USGS 323810103511401 19S.31E.27.214121

Available data for this site

Groundwater: Field measurements

GO

Eddy County, New Mexico

Hydrologic Unit Code 13060011

Latitude 32°38'10", Longitude 103°51'14" NAD27

Land-surface elevation 3,480 feet above NGVD29

The depth of the well is 210.00 feet below land surface.

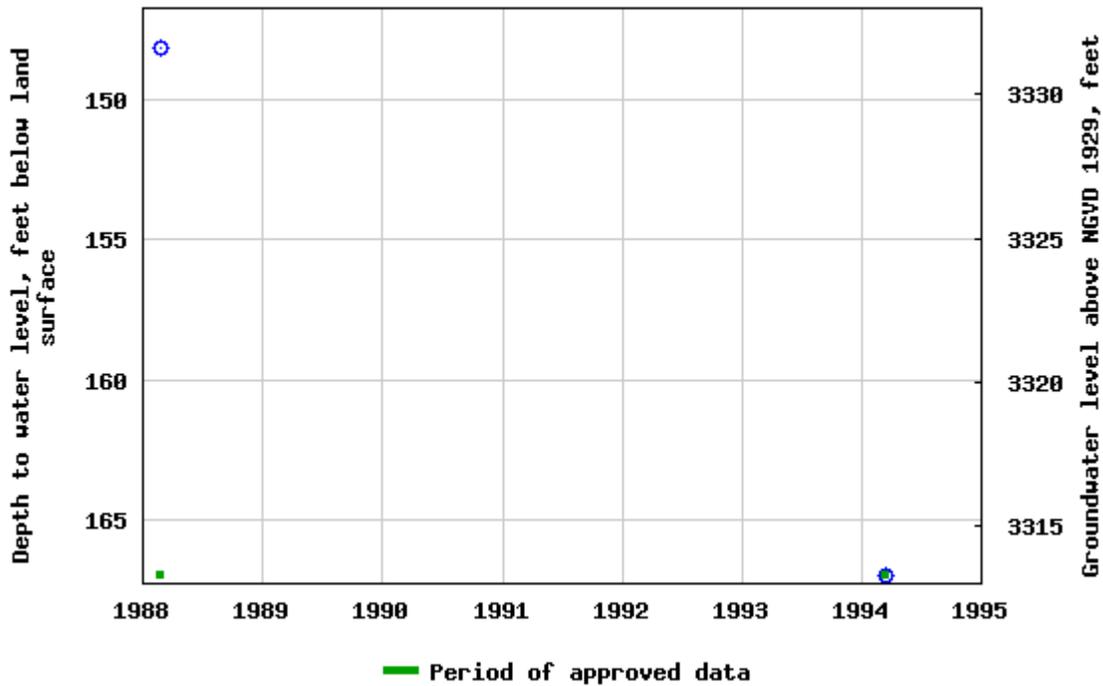
This well is completed in the Other aquifers (N9999OTHER) national aquifer.

This well is completed in the Santa Rosa Sandstone (231SNRS) local aquifer.

Output formats

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

USGS 323810103511401 19S.31E.27.214121



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URL: <https://nwis.waterdata.usgs.gov/nwis/gwlevels?>



Page Contact Information: [USGS Water Data Support Team](#)

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0.66 0.59 nadww01



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Data Category:

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site_no list =

- 323807103510601

Minimum number of levels = 1

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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

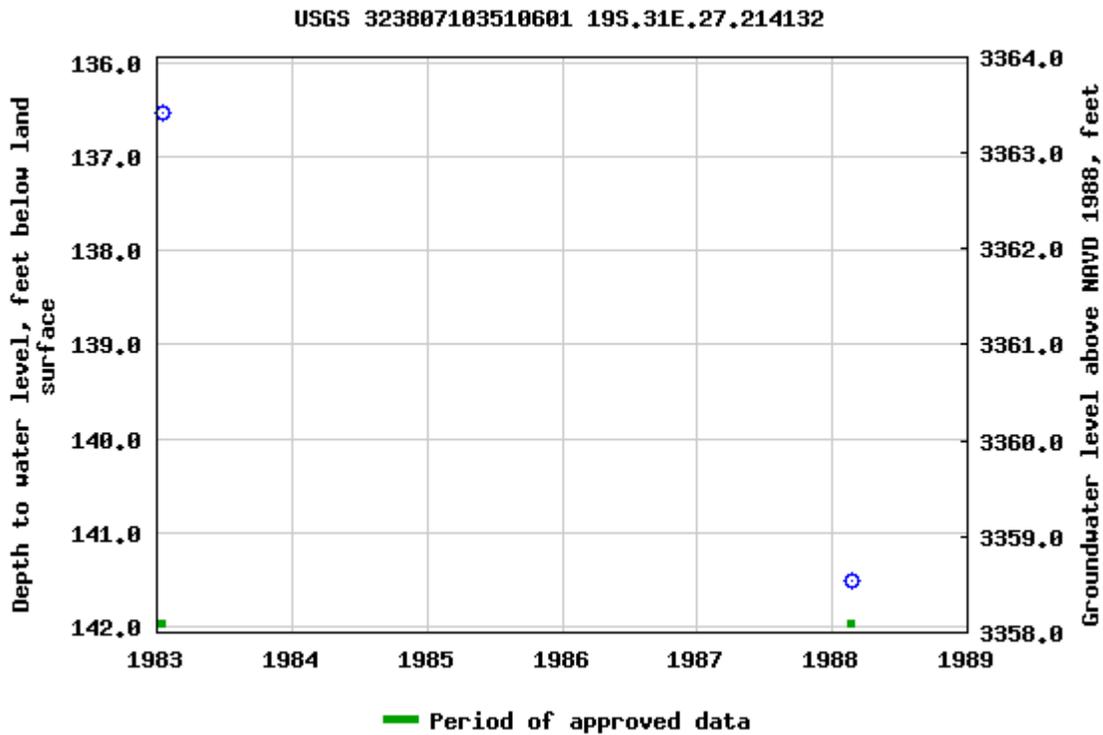
The depth of the well is 177 feet below land surface.

This well is completed in the Other aquifers (N9999OTHER) national aquifer.

This well is completed in the Rustler Formation (312RSLR) local aquifer.

Output formats

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



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0.66 0.61 nadww01



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- 323803103510001

Minimum number of levels = 1

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USGS 323803103510001 19S.31E.27.21000

Available data for this site

Groundwater: Field measurements

GO

Eddy County, New Mexico

Hydrologic Unit Code 13060011

Latitude 32°38'03", Longitude 103°51'00" NAD27

Land-surface elevation 3,503 feet above NAVD88

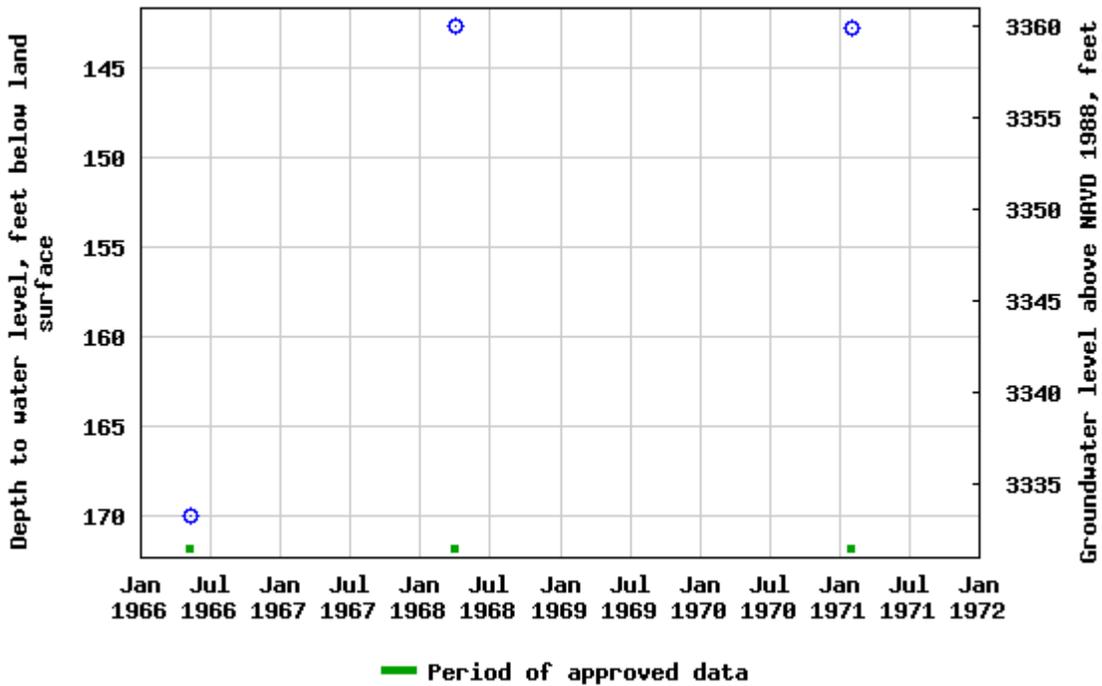
This well is completed in the Other aquifers (N9999OTHER) national aquifer.

This well is completed in the Rustler Formation (312RSLR) local aquifer.

Output formats

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

USGS 323803103510001 19S.31E.27.21000



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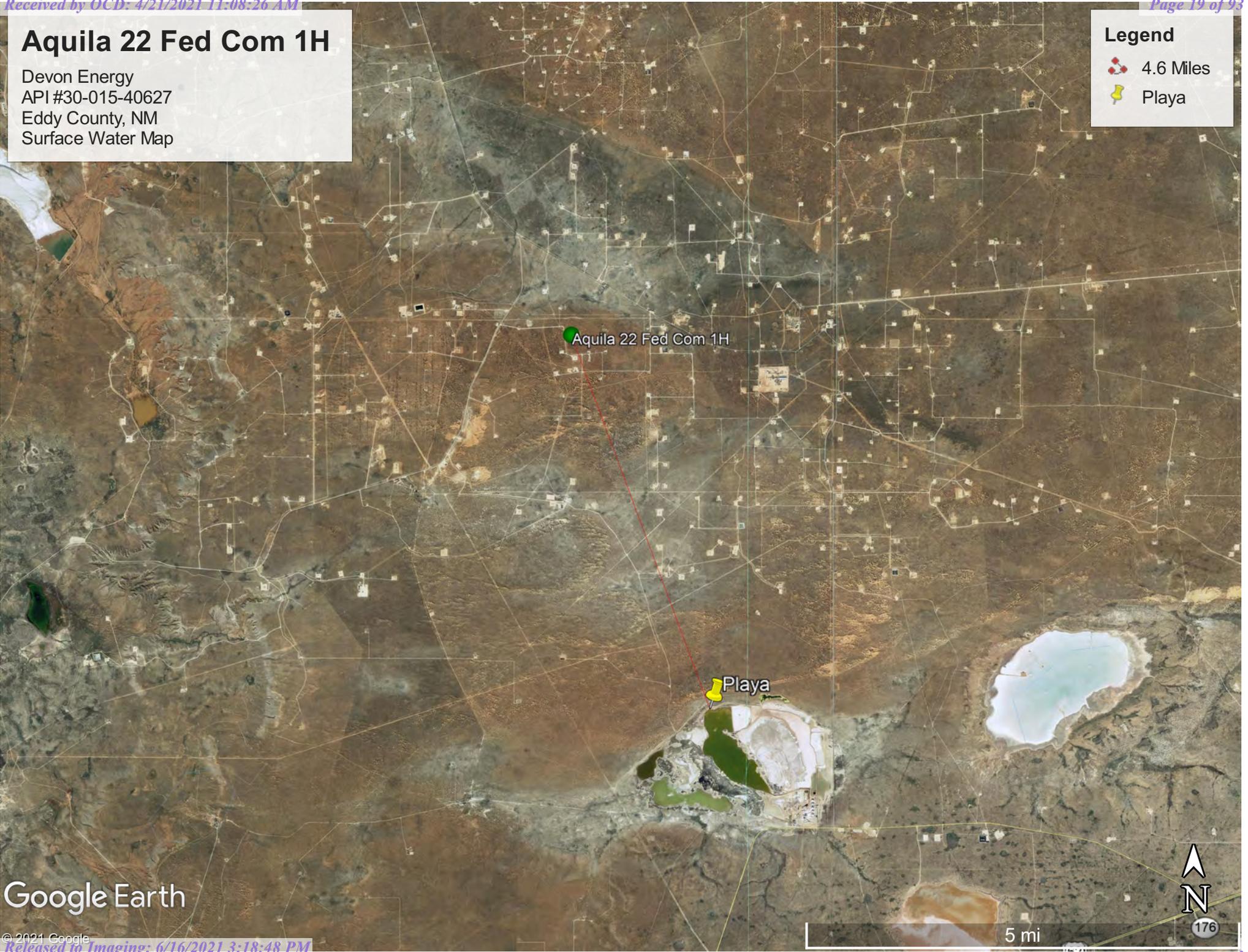
0.65 0.58 nadww02

Aquila 22 Fed Com 1H

Devon Energy
API #30-015-40627
Eddy County, NM
Surface Water Map

Legend

-  4.6 Miles
-  Playa



Google Earth



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Appendix B

Soil Survey & Geological Data

FEMA Flood Map

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

Eddy Area, New Mexico

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

Map Unit Setting

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

Map Unit Composition

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

Description of Kermit

Setting

Landform: Plains, alluvial fans
Landform position (three-dimensional): Talf, rise
Down-slope shape: Convex, linear
Across-slope shape: Linear
Parent material: Mixed alluvium and/or eolian sands

Typical profile

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

Properties and qualities

Slope: 0 to 3 percent
Depth to restrictive feature: More than 80 inches
Natural drainage class: Excessively drained
Runoff class: Negligible
Capacity of the most limiting layer to transmit water (Ksat): Very high (20.00 in/hr)
Depth to water table: More than 80 inches
Frequency of flooding: None
Frequency of ponding: None
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: Low (about 3.1 inches)

Interpretive groups

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

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

Description of Berino

Setting

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

Typical profile

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

Properties and qualities

Slope: 0 to 3 percent
Depth to restrictive feature: More than 80 inches
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 7.2 inches)

Interpretive groups

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

Minor Components

Active dune land

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

Data Source Information

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

National Flood Hazard Layer FIRMette



32°39'17.01"N



Legend

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

- | | | |
|-----------------------------|--|--|
| SPECIAL FLOOD HAZARD AREAS | | Without Base Flood Elevation (BFE)
<i>Zone A, V, A99</i> |
| | | With BFE or Depth <i>Zone AE, AO, AH, VE, AR</i> |
| | | Regulatory Floodway |
| OTHER AREAS OF FLOOD HAZARD | | 0.2% Annual Chance Flood Hazard, Areas of 1% annual chance flood with average depth less than one foot or with drainage areas of less than one square mile <i>Zone X</i> |
| | | Future Conditions 1% Annual Chance Flood Hazard <i>Zone X</i> |
| | | Area with Reduced Flood Risk due to Levee. See Notes. <i>Zone X</i> |
| | | Area with Flood Risk due to Levee <i>Zone D</i> |
| OTHER AREAS | | NO SCREEN Area of Minimal Flood Hazard <i>Zone X</i> |
| | | Effective LOMRs |
| GENERAL STRUCTURES | | Area of Undetermined Flood Hazard <i>Zone D</i> |
| | | Channel, Culvert, or Storm Sewer |
| | | Levee, Dike, or Floodwall |
| OTHER FEATURES | | 20.2 Cross Sections with 1% Annual Chance Water Surface Elevation |
| | | 17.5 Cross Sections with 1% Annual Chance Water Surface Elevation |
| | | Coastal Transect |
| | | Base Flood Elevation Line (BFE) |
| | | Limit of Study |
| MAP PANELS | | Jurisdiction Boundary |
| | | Coastal Transect Baseline |
| | | Profile Baseline |
| | | Hydrographic Feature |
| | | Digital Data Available |
| | | No Digital Data Available |
| | | Unmapped |
- The pin displayed on the map is an approximate point selected by the user and does not represent an authoritative property location.

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

The flood hazard information is derived directly from the authoritative NFHL web services provided by FEMA. This map was exported on 6/10/2020 at 1:49:33 PM and does not reflect changes or amendments subsequent to this date and time. The NFHL and effective information may change or become superseded by new data over time.

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

103°50'36.68"W

103°51'14.14"W





Pima Environmental Services

Appendix C

C-141's:

Initial

Final

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

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

NM OIL CONSERVATION

ARTESIA DISTRICT

Form C-141
Revised April 3, 2017

FEB 09 2018

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

RECEIVED

Release Notification and Corrective Action

NAB1805055785

OPERATOR

Initial Report Final Report

Name of Company	Devon Energy Production Company <i>DL37</i>	Contact	Wesley Ryan
Address	6488 Seven Rivers Hwy Artesia, NM 88210	Telephone No.	575-390-5436
Facility Name	Aquila 22 Federal Com 1H	Facility Type	Oil
Surface Owner	Federal	Mineral Owner	Federal
		API No.	30-015-40627

LOCATION OF RELEASE

Unit Letter	Section	Township	Range	Feet from the	North/South Line	Feet from the	East/West Line	County
A	22	19S	31E					Eddy

Latitude 32.650686, 32.650963 & 32.650631 Longitude 103.849117, 103.848818 & 103.847616 NAD83

NATURE OF RELEASE

Type of Release Oil	Volume of Release 5.8 BBLs	Volume Recovered 1.2 BBLs
Source of Release Free Water Knockout, Flare & Production Tank	Date and Hour of Occurrence January 28, 2018 12:30 PM MST	Date and Hour of Discovery January 28, 2018 12:30 PM MST
Was Immediate Notice Given? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Not Required	If YES, To Whom? BLM- Shelly Tucker OCD-Mike Bratcher, Crystal Weaver	
By Whom? Mike Shoemaker	Date and Hour January 29, 2018 11:11 AM MST	
Was a Watercourse Reached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	If YES, Volume Impacting the Watercourse. N/A	

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

Describe Cause of Problem and Remedial Action Taken.*

When the lease operator arrived on site the battery was releasing fluid from the water knockout. The lease operator identified a malfunctioning valve which had caused the vessel to build pressure and relieve causing the release at multiple points. The valve was closed and a vac truck was dispatched to gather any standing fluids.

Describe Area Affected and Cleanup Action Taken.*

Approximately 5.8 bbls was released (1.2 bbls in containment, 4.5 bbls on pad, and 0.1 bbls misted off site). Approximately 1.2 bbls were recovered from the lined containment. Once fluids were removed the liner it was visually inspected by Devon field staff for any pinholes or punctures and none were found. Based on this inspection there is no evidence that the spill fluids left containment. For the remaining impacted areas a remediation contractor will be contacted to assist with delineation and remediation efforts.

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

		OIL CONSERVATION DIVISION	
Signature: <i>Jennifer Reyna</i>	Approved by Environmental Specialist <i>[Signature]</i>		
Printed Name: Jennifer Reyna	Approval Date: <i>2/19/18</i>	Expiration Date: <i>N/A</i>	
Title: Field Admin Support	Conditions of Approval: <i>See attached</i>		
E-mail Address: Jennifer.Reyna@dvn.com	Attached <input checked="" type="checkbox"/> <i>2RP-4026</i>		
Date: 1/30/2018	Phone: 575.746.5588		

* Attach Additional Sheets If Necessary

2/19/18 AB

Incident ID	NAB1805055785
District RP	2RP-4626
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?	>100' (ft bgs)
Did this release impact groundwater or surface water?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within 300 feet of a continuously flowing watercourse or any other significant watercourse?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within 200 feet of any lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark)?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within 300 feet of an occupied permanent residence, school, hospital, institution, or church?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within 500 horizontal feet of a spring or a private domestic fresh water well used by less than five households for domestic or stock watering purposes?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within 1000 feet of any other fresh water well or spring?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within incorporated municipal boundaries or within a defined municipal fresh water well field?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within 300 feet of a wetland?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release overlying a subsurface mine?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release overlying an unstable area such as karst geology?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within a 100-year floodplain?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Did the release impact areas not on an exploration, development, production, or storage site?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No

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

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

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

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

Oil Conservation Division

Incident ID	NAB1805055785
District RP	2RP-4626
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: Wes Mathews Title: EHS Professional
Signature: *Wesley Mathews* Date: 4/15/2021
email: wesley.mathews@dvn.com Telephone: 575-725-0787

OCD Only

Received by: _____ Date: _____

Incident ID	NAB1805055785
District RP	2RP-4626
Facility ID	
Application ID	

Closure

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

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

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

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

Printed Name: Wes Mathews Title: EHS Professional
 Signature: *Wesley Mathews* Date: 4/15/2021
 email: wesley.mathews@dvn.com Telephone: 575-725-0787

OCD Only

Received by: Chad Hensley Date: 06/16/2021

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

Closure Approved by: *Chad Hensley* Date: 06/16/2021
 Printed Name: Chad Hensley Title: Environmental Specialist Advanced



Pima Environmental Services

Appendix D

Photographic Documentation













Pima Environmental Services

Appendix E

Laboratory Reports



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

July 13, 2020

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

RE: Aquila 22 Fed com 1H

OrderNo.: 2006F22

Dear Chris Jones:

Hall Environmental Analysis Laboratory received 34 sample(s) on 6/30/2020 for the analyses presented in the following report.

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

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

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

Sincerely,

A handwritten signature in black ink, appearing to read "Andy Freeman", is written over a white background.

Andy Freeman
Laboratory Manager
4901 Hawkins NE
Albuquerque, NM 87109

Analytical Report

Lab Order **2006F22**

Date Reported: 7/13/2020

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Pima Environmental Services LLC

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

Project: Aquila 22 Fed com 1H

Collection Date: 6/26/2020 9:00:00 AM

Lab ID: 2006F22-001

Matrix: SOIL

Received Date: 6/30/2020 8:55:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: BRM
Diesel Range Organics (DRO)	ND	9.7		mg/Kg	1	7/5/2020 5:19:16 PM
Motor Oil Range Organics (MRO)	ND	49		mg/Kg	1	7/5/2020 5:19:16 PM
Surr: DNOP	96.5	55.1-146		%Rec	1	7/5/2020 5:19:16 PM
EPA METHOD 300.0: ANIONS						Analyst: MRA
Chloride	500	60		mg/Kg	20	7/6/2020 4:15:44 PM
EPA METHOD 8260B: VOLATILES SHORT LIST						Analyst: RAA
Benzene	ND	0.025		mg/Kg	1	7/3/2020 7:04:53 AM
Toluene	ND	0.050		mg/Kg	1	7/3/2020 7:04:53 AM
Ethylbenzene	ND	0.050		mg/Kg	1	7/3/2020 7:04:53 AM
Xylenes, Total	ND	0.10		mg/Kg	1	7/3/2020 7:04:53 AM
Surr: 1,2-Dichloroethane-d4	100	70-130		%Rec	1	7/3/2020 7:04:53 AM
Surr: 4-Bromofluorobenzene	92.7	70-130		%Rec	1	7/3/2020 7:04:53 AM
Surr: Dibromofluoromethane	101	70-130		%Rec	1	7/3/2020 7:04:53 AM
Surr: Toluene-d8	101	70-130		%Rec	1	7/3/2020 7:04:53 AM
EPA METHOD 8015D MOD: GASOLINE RANGE						Analyst: RAA
Gasoline Range Organics (GRO)	ND	5.0		mg/Kg	1	7/3/2020 7:04:53 AM
Surr: BFB	101	70-130		%Rec	1	7/3/2020 7:04:53 AM

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

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

Analytical Report

Lab Order **2006F22**

Date Reported: 7/13/2020

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Pima Environmental Services LLC

Client Sample ID: S-5, 1'

Project: Aquila 22 Fed com 1H

Collection Date: 6/26/2020 9:02:00 AM

Lab ID: 2006F22-002

Matrix: SOIL

Received Date: 6/30/2020 8:55:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: BRM
Diesel Range Organics (DRO)	ND	9.8		mg/Kg	1	7/5/2020 5:44:07 PM
Motor Oil Range Organics (MRO)	ND	49		mg/Kg	1	7/5/2020 5:44:07 PM
Surr: DNOP	115	55.1-146		%Rec	1	7/5/2020 5:44:07 PM
EPA METHOD 300.0: ANIONS						Analyst: MRA
Chloride	ND	60		mg/Kg	20	7/6/2020 4:28:03 PM
EPA METHOD 8260B: VOLATILES SHORT LIST						Analyst: RAA
Benzene	ND	0.025		mg/Kg	1	7/3/2020 7:34:18 AM
Toluene	ND	0.049		mg/Kg	1	7/3/2020 7:34:18 AM
Ethylbenzene	ND	0.049		mg/Kg	1	7/3/2020 7:34:18 AM
Xylenes, Total	ND	0.098		mg/Kg	1	7/3/2020 7:34:18 AM
Surr: 1,2-Dichloroethane-d4	100	70-130		%Rec	1	7/3/2020 7:34:18 AM
Surr: 4-Bromofluorobenzene	91.2	70-130		%Rec	1	7/3/2020 7:34:18 AM
Surr: Dibromofluoromethane	104	70-130		%Rec	1	7/3/2020 7:34:18 AM
Surr: Toluene-d8	99.2	70-130		%Rec	1	7/3/2020 7:34:18 AM
EPA METHOD 8015D MOD: GASOLINE RANGE						Analyst: RAA
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	7/3/2020 7:34:18 AM
Surr: BFB	98.2	70-130		%Rec	1	7/3/2020 7:34:18 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 Quantitative Limit	RL Reporting Limit
	S % Recovery outside of range due to dilution or matrix	

Analytical Report

Lab Order **2006F22**

Date Reported: 7/13/2020

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Pima Environmental Services LLC

Client Sample ID: S-5, 2'

Project: Aquila 22 Fed com 1H

Collection Date: 6/26/2020 9:04:00 AM

Lab ID: 2006F22-003

Matrix: SOIL

Received Date: 6/30/2020 8:55:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: BRM
Diesel Range Organics (DRO)	ND	9.8		mg/Kg	1	7/5/2020 6:09:02 PM
Motor Oil Range Organics (MRO)	ND	49		mg/Kg	1	7/5/2020 6:09:02 PM
Surr: DNOP	77.8	55.1-146		%Rec	1	7/5/2020 6:09:02 PM
EPA METHOD 300.0: ANIONS						Analyst: MRA
Chloride	ND	60		mg/Kg	20	7/6/2020 1:43:57 PM
EPA METHOD 8260B: VOLATILES SHORT LIST						Analyst: DJF
Benzene	ND	0.025		mg/Kg	1	7/3/2020 1:27:33 PM
Toluene	ND	0.050		mg/Kg	1	7/3/2020 1:27:33 PM
Ethylbenzene	ND	0.050		mg/Kg	1	7/3/2020 1:27:33 PM
Xylenes, Total	ND	0.10		mg/Kg	1	7/3/2020 1:27:33 PM
Surr: 1,2-Dichloroethane-d4	99.4	70-130		%Rec	1	7/3/2020 1:27:33 PM
Surr: 4-Bromofluorobenzene	89.8	70-130		%Rec	1	7/3/2020 1:27:33 PM
Surr: Dibromofluoromethane	98.4	70-130		%Rec	1	7/3/2020 1:27:33 PM
Surr: Toluene-d8	100	70-130		%Rec	1	7/3/2020 1:27:33 PM
EPA METHOD 8015D MOD: GASOLINE RANGE						Analyst: DJF
Gasoline Range Organics (GRO)	ND	5.0		mg/Kg	1	7/3/2020 1:27:33 PM
Surr: BFB	99.0	70-130		%Rec	1	7/3/2020 1:27:33 PM

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

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

Analytical Report

Lab Order **2006F22**

Date Reported: 7/13/2020

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Pima Environmental Services LLC

Client Sample ID: S-5, 3'

Project: Aquila 22 Fed com 1H

Collection Date: 6/26/2020 9:06:00 AM

Lab ID: 2006F22-004

Matrix: SOIL

Received Date: 6/30/2020 8:55:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: BRM
Diesel Range Organics (DRO)	ND	10		mg/Kg	1	7/5/2020 6:33:54 PM
Motor Oil Range Organics (MRO)	ND	50		mg/Kg	1	7/5/2020 6:33:54 PM
Surr: DNOP	75.8	55.1-146		%Rec	1	7/5/2020 6:33:54 PM
EPA METHOD 300.0: ANIONS						Analyst: MRA
Chloride	ND	60		mg/Kg	20	7/6/2020 2:21:10 PM
EPA METHOD 8260B: VOLATILES SHORT LIST						Analyst: DJF
Benzene	ND	0.024		mg/Kg	1	7/3/2020 1:57:57 PM
Toluene	ND	0.049		mg/Kg	1	7/3/2020 1:57:57 PM
Ethylbenzene	ND	0.049		mg/Kg	1	7/3/2020 1:57:57 PM
Xylenes, Total	ND	0.098		mg/Kg	1	7/3/2020 1:57:57 PM
Surr: 1,2-Dichloroethane-d4	97.7	70-130		%Rec	1	7/3/2020 1:57:57 PM
Surr: 4-Bromofluorobenzene	87.2	70-130		%Rec	1	7/3/2020 1:57:57 PM
Surr: Dibromofluoromethane	100	70-130		%Rec	1	7/3/2020 1:57:57 PM
Surr: Toluene-d8	100	70-130		%Rec	1	7/3/2020 1:57:57 PM
EPA METHOD 8015D MOD: GASOLINE RANGE						Analyst: DJF
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	7/3/2020 1:57:57 PM
Surr: BFB	98.7	70-130		%Rec	1	7/3/2020 1:57:57 PM

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

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

Analytical Report

Lab Order **2006F22**

Date Reported: 7/13/2020

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Pima Environmental Services LLC

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

Project: Aquila 22 Fed com 1H

Collection Date: 6/26/2020 9:08:00 AM

Lab ID: 2006F22-005

Matrix: SOIL

Received Date: 6/30/2020 8:55:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: BRM
Diesel Range Organics (DRO)	ND	10		mg/Kg	1	7/5/2020 6:58:36 PM
Motor Oil Range Organics (MRO)	ND	50		mg/Kg	1	7/5/2020 6:58:36 PM
Surr: DNOP	72.1	55.1-146		%Rec	1	7/5/2020 6:58:36 PM
EPA METHOD 300.0: ANIONS						Analyst: MRA
Chloride	ND	59		mg/Kg	20	7/6/2020 2:33:35 PM
EPA METHOD 8260B: VOLATILES SHORT LIST						Analyst: DJF
Benzene	ND	0.024		mg/Kg	1	7/3/2020 2:28:24 PM
Toluene	ND	0.049		mg/Kg	1	7/3/2020 2:28:24 PM
Ethylbenzene	ND	0.049		mg/Kg	1	7/3/2020 2:28:24 PM
Xylenes, Total	ND	0.098		mg/Kg	1	7/3/2020 2:28:24 PM
Surr: 1,2-Dichloroethane-d4	109	70-130		%Rec	1	7/3/2020 2:28:24 PM
Surr: 4-Bromofluorobenzene	90.9	70-130		%Rec	1	7/3/2020 2:28:24 PM
Surr: Dibromofluoromethane	106	70-130		%Rec	1	7/3/2020 2:28:24 PM
Surr: Toluene-d8	104	70-130		%Rec	1	7/3/2020 2:28:24 PM
EPA METHOD 8015D MOD: GASOLINE RANGE						Analyst: DJF
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	7/3/2020 2:28:24 PM
Surr: BFB	99.4	70-130		%Rec	1	7/3/2020 2:28:24 PM

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

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

Analytical Report

Lab Order **2006F22**

Date Reported: 7/13/2020

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Pima Environmental Services LLC

Client Sample ID: S-6, 1'

Project: Aquila 22 Fed com 1H

Collection Date: 6/26/2020 9:10:00 AM

Lab ID: 2006F22-006

Matrix: SOIL

Received Date: 6/30/2020 8:55:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: BRM
Diesel Range Organics (DRO)	ND	10		mg/Kg	1	7/5/2020 7:23:14 PM
Motor Oil Range Organics (MRO)	ND	50		mg/Kg	1	7/5/2020 7:23:14 PM
Surr: DNOP	105	55.1-146		%Rec	1	7/5/2020 7:23:14 PM
EPA METHOD 300.0: ANIONS						Analyst: MRA
Chloride	ND	60		mg/Kg	20	7/6/2020 3:10:48 PM
EPA METHOD 8260B: VOLATILES SHORT LIST						Analyst: DJF
Benzene	ND	0.025		mg/Kg	1	7/3/2020 2:58:48 PM
Toluene	ND	0.049		mg/Kg	1	7/3/2020 2:58:48 PM
Ethylbenzene	ND	0.049		mg/Kg	1	7/3/2020 2:58:48 PM
Xylenes, Total	ND	0.099		mg/Kg	1	7/3/2020 2:58:48 PM
Surr: 1,2-Dichloroethane-d4	105	70-130		%Rec	1	7/3/2020 2:58:48 PM
Surr: 4-Bromofluorobenzene	88.6	70-130		%Rec	1	7/3/2020 2:58:48 PM
Surr: Dibromofluoromethane	103	70-130		%Rec	1	7/3/2020 2:58:48 PM
Surr: Toluene-d8	107	70-130		%Rec	1	7/3/2020 2:58:48 PM
EPA METHOD 8015D MOD: GASOLINE RANGE						Analyst: DJF
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	7/3/2020 2:58:48 PM
Surr: BFB	103	70-130		%Rec	1	7/3/2020 2:58:48 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 Quantitative Limit	RL Reporting Limit
	S % Recovery outside of range due to dilution or matrix	

Analytical Report

Lab Order **2006F22**

Date Reported: 7/13/2020

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Pima Environmental Services LLC

Client Sample ID: S-6, 2'

Project: Aquila 22 Fed com 1H

Collection Date: 6/26/2020 9:12:00 AM

Lab ID: 2006F22-007

Matrix: SOIL

Received Date: 6/30/2020 8:55:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: BRM
Diesel Range Organics (DRO)	ND	9.7		mg/Kg	1	7/5/2020 7:47:53 PM
Motor Oil Range Organics (MRO)	ND	48		mg/Kg	1	7/5/2020 7:47:53 PM
Surr: DNOP	103	55.1-146		%Rec	1	7/5/2020 7:47:53 PM
EPA METHOD 300.0: ANIONS						Analyst: MRA
Chloride	ND	60		mg/Kg	20	7/6/2020 3:23:13 PM
EPA METHOD 8260B: VOLATILES SHORT LIST						Analyst: DJF
Benzene	ND	0.024		mg/Kg	1	7/3/2020 3:29:13 PM
Toluene	ND	0.049		mg/Kg	1	7/3/2020 3:29:13 PM
Ethylbenzene	ND	0.049		mg/Kg	1	7/3/2020 3:29:13 PM
Xylenes, Total	ND	0.097		mg/Kg	1	7/3/2020 3:29:13 PM
Surr: 1,2-Dichloroethane-d4	99.8	70-130		%Rec	1	7/3/2020 3:29:13 PM
Surr: 4-Bromofluorobenzene	88.7	70-130		%Rec	1	7/3/2020 3:29:13 PM
Surr: Dibromofluoromethane	98.1	70-130		%Rec	1	7/3/2020 3:29:13 PM
Surr: Toluene-d8	104	70-130		%Rec	1	7/3/2020 3:29:13 PM
EPA METHOD 8015D MOD: GASOLINE RANGE						Analyst: DJF
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	7/3/2020 3:29:13 PM
Surr: BFB	101	70-130		%Rec	1	7/3/2020 3:29:13 PM

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

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

Analytical Report

Lab Order **2006F22**

Date Reported: 7/13/2020

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Pima Environmental Services LLC

Client Sample ID: S-6, 3'

Project: Aquila 22 Fed com 1H

Collection Date: 6/26/2020 9:14:00 AM

Lab ID: 2006F22-008

Matrix: SOIL

Received Date: 6/30/2020 8:55:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: BRM
Diesel Range Organics (DRO)	ND	10		mg/Kg	1	7/5/2020 8:12:29 PM
Motor Oil Range Organics (MRO)	ND	50		mg/Kg	1	7/5/2020 8:12:29 PM
Surr: DNOP	78.2	55.1-146		%Rec	1	7/5/2020 8:12:29 PM
EPA METHOD 300.0: ANIONS						Analyst: MRA
Chloride	ND	60		mg/Kg	20	7/6/2020 3:35:37 PM
EPA METHOD 8260B: VOLATILES SHORT LIST						Analyst: DJF
Benzene	ND	0.024		mg/Kg	1	7/3/2020 3:59:46 PM
Toluene	ND	0.048		mg/Kg	1	7/3/2020 3:59:46 PM
Ethylbenzene	ND	0.048		mg/Kg	1	7/3/2020 3:59:46 PM
Xylenes, Total	ND	0.097		mg/Kg	1	7/3/2020 3:59:46 PM
Surr: 1,2-Dichloroethane-d4	103	70-130		%Rec	1	7/3/2020 3:59:46 PM
Surr: 4-Bromofluorobenzene	90.8	70-130		%Rec	1	7/3/2020 3:59:46 PM
Surr: Dibromofluoromethane	102	70-130		%Rec	1	7/3/2020 3:59:46 PM
Surr: Toluene-d8	104	70-130		%Rec	1	7/3/2020 3:59:46 PM
EPA METHOD 8015D MOD: GASOLINE RANGE						Analyst: DJF
Gasoline Range Organics (GRO)	ND	4.8		mg/Kg	1	7/3/2020 3:59:46 PM
Surr: BFB	102	70-130		%Rec	1	7/3/2020 3:59:46 PM

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

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

Analytical Report

Lab Order **2006F22**

Date Reported: 7/13/2020

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Pima Environmental Services LLC

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

Project: Aquila 22 Fed com 1H

Collection Date: 6/26/2020 9:16:00 AM

Lab ID: 2006F22-009

Matrix: SOIL

Received Date: 6/30/2020 8:55:00 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	7/5/2020 6:08:14 PM
Motor Oil Range Organics (MRO)	ND	49		mg/Kg	1	7/5/2020 6:08:14 PM
Surr: DNOP	57.3	55.1-146		%Rec	1	7/5/2020 6:08:14 PM
EPA METHOD 300.0: ANIONS						Analyst: MRA
Chloride	ND	60		mg/Kg	20	7/6/2020 3:48:02 PM
EPA METHOD 8260B: VOLATILES SHORT LIST						Analyst: DJF
Benzene	ND	0.025		mg/Kg	1	7/3/2020 4:30:08 PM
Toluene	ND	0.050		mg/Kg	1	7/3/2020 4:30:08 PM
Ethylbenzene	ND	0.050		mg/Kg	1	7/3/2020 4:30:08 PM
Xylenes, Total	ND	0.10		mg/Kg	1	7/3/2020 4:30:08 PM
Surr: 1,2-Dichloroethane-d4	102	70-130		%Rec	1	7/3/2020 4:30:08 PM
Surr: 4-Bromofluorobenzene	90.0	70-130		%Rec	1	7/3/2020 4:30:08 PM
Surr: Dibromofluoromethane	100	70-130		%Rec	1	7/3/2020 4:30:08 PM
Surr: Toluene-d8	99.6	70-130		%Rec	1	7/3/2020 4:30:08 PM
EPA METHOD 8015D MOD: GASOLINE RANGE						Analyst: DJF
Gasoline Range Organics (GRO)	ND	5.0		mg/Kg	1	7/3/2020 4:30:08 PM
Surr: BFB	97.9	70-130		%Rec	1	7/3/2020 4:30:08 PM

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

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

Analytical Report

Lab Order **2006F22**

Date Reported: 7/13/2020

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Pima Environmental Services LLC

Client Sample ID: S-7, 1'

Project: Aquila 22 Fed com 1H

Collection Date: 6/26/2020 9:18:00 AM

Lab ID: 2006F22-010

Matrix: SOIL

Received Date: 6/30/2020 8:55:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: BRM
Diesel Range Organics (DRO)	12	9.5		mg/Kg	1	7/5/2020 7:21:25 PM
Motor Oil Range Organics (MRO)	ND	47		mg/Kg	1	7/5/2020 7:21:25 PM
Surr: DNOP	83.8	55.1-146		%Rec	1	7/5/2020 7:21:25 PM
EPA METHOD 300.0: ANIONS						Analyst: MRA
Chloride	ND	60		mg/Kg	20	7/6/2020 4:00:26 PM
EPA METHOD 8260B: VOLATILES SHORT LIST						Analyst: DJF
Benzene	ND	0.025		mg/Kg	1	7/3/2020 5:00:36 PM
Toluene	ND	0.050		mg/Kg	1	7/3/2020 5:00:36 PM
Ethylbenzene	ND	0.050		mg/Kg	1	7/3/2020 5:00:36 PM
Xylenes, Total	ND	0.099		mg/Kg	1	7/3/2020 5:00:36 PM
Surr: 1,2-Dichloroethane-d4	101	70-130		%Rec	1	7/3/2020 5:00:36 PM
Surr: 4-Bromofluorobenzene	88.7	70-130		%Rec	1	7/3/2020 5:00:36 PM
Surr: Dibromofluoromethane	101	70-130		%Rec	1	7/3/2020 5:00:36 PM
Surr: Toluene-d8	103	70-130		%Rec	1	7/3/2020 5:00:36 PM
EPA METHOD 8015D MOD: GASOLINE RANGE						Analyst: DJF
Gasoline Range Organics (GRO)	ND	5.0		mg/Kg	1	7/3/2020 5:00:36 PM
Surr: BFB	99.7	70-130		%Rec	1	7/3/2020 5:00:36 PM

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

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

Analytical Report

Lab Order **2006F22**

Date Reported: 7/13/2020

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Pima Environmental Services LLC

Client Sample ID: S-7, 2'

Project: Aquila 22 Fed com 1H

Collection Date: 6/26/2020 9:20:00 AM

Lab ID: 2006F22-011

Matrix: SOIL

Received Date: 6/30/2020 8:55:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: BRM
Diesel Range Organics (DRO)	ND	9.7		mg/Kg	1	7/5/2020 7:45:46 PM
Motor Oil Range Organics (MRO)	ND	49		mg/Kg	1	7/5/2020 7:45:46 PM
Surr: DNOP	71.2	55.1-146		%Rec	1	7/5/2020 7:45:46 PM
EPA METHOD 300.0: ANIONS						Analyst: MRA
Chloride	ND	60		mg/Kg	20	7/6/2020 4:12:51 PM
EPA METHOD 8260B: VOLATILES SHORT LIST						Analyst: DJF
Benzene	ND	0.025		mg/Kg	1	7/3/2020 5:31:05 PM
Toluene	ND	0.049		mg/Kg	1	7/3/2020 5:31:05 PM
Ethylbenzene	ND	0.049		mg/Kg	1	7/3/2020 5:31:05 PM
Xylenes, Total	ND	0.098		mg/Kg	1	7/3/2020 5:31:05 PM
Surr: 1,2-Dichloroethane-d4	102	70-130		%Rec	1	7/3/2020 5:31:05 PM
Surr: 4-Bromofluorobenzene	92.3	70-130		%Rec	1	7/3/2020 5:31:05 PM
Surr: Dibromofluoromethane	101	70-130		%Rec	1	7/3/2020 5:31:05 PM
Surr: Toluene-d8	103	70-130		%Rec	1	7/3/2020 5:31:05 PM
EPA METHOD 8015D MOD: GASOLINE RANGE						Analyst: DJF
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	7/3/2020 5:31:05 PM
Surr: BFB	103	70-130		%Rec	1	7/3/2020 5:31:05 PM

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

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

Analytical Report

Lab Order **2006F22**

Date Reported: 7/13/2020

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Pima Environmental Services LLC

Client Sample ID: S-7, 3'

Project: Aquila 22 Fed com 1H

Collection Date: 6/26/2020 9:22:00 AM

Lab ID: 2006F22-012

Matrix: SOIL

Received Date: 6/30/2020 8:55:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: BRM
Diesel Range Organics (DRO)	ND	9.3		mg/Kg	1	7/5/2020 8:10:12 PM
Motor Oil Range Organics (MRO)	ND	46		mg/Kg	1	7/5/2020 8:10:12 PM
Surr: DNOP	76.2	55.1-146		%Rec	1	7/5/2020 8:10:12 PM
EPA METHOD 300.0: ANIONS						Analyst: MRA
Chloride	ND	60		mg/Kg	20	7/6/2020 4:25:15 PM
EPA METHOD 8260B: VOLATILES SHORT LIST						Analyst: DJF
Benzene	ND	0.025		mg/Kg	1	7/3/2020 6:01:31 PM
Toluene	ND	0.050		mg/Kg	1	7/3/2020 6:01:31 PM
Ethylbenzene	ND	0.050		mg/Kg	1	7/3/2020 6:01:31 PM
Xylenes, Total	ND	0.10		mg/Kg	1	7/3/2020 6:01:31 PM
Surr: 1,2-Dichloroethane-d4	104	70-130		%Rec	1	7/3/2020 6:01:31 PM
Surr: 4-Bromofluorobenzene	91.0	70-130		%Rec	1	7/3/2020 6:01:31 PM
Surr: Dibromofluoromethane	100	70-130		%Rec	1	7/3/2020 6:01:31 PM
Surr: Toluene-d8	106	70-130		%Rec	1	7/3/2020 6:01:31 PM
EPA METHOD 8015D MOD: GASOLINE RANGE						Analyst: DJF
Gasoline Range Organics (GRO)	ND	5.0		mg/Kg	1	7/3/2020 6:01:31 PM
Surr: BFB	106	70-130		%Rec	1	7/3/2020 6:01:31 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 Quantitative Limit	RL Reporting Limit
	S % Recovery outside of range due to dilution or matrix	

Analytical Report

Lab Order **2006F22**

Date Reported: 7/13/2020

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Pima Environmental Services LLC

Client Sample ID: S-8, 0"-6"

Project: Aquila 22 Fed com 1H

Collection Date: 6/26/2020 9:24:00 AM

Lab ID: 2006F22-013

Matrix: SOIL

Received Date: 6/30/2020 8:55:00 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	7/6/2020 7:58:27 PM
Motor Oil Range Organics (MRO)	ND	47		mg/Kg	1	7/6/2020 7:58:27 PM
Surr: DNOP	78.5	55.1-146		%Rec	1	7/6/2020 7:58:27 PM
EPA METHOD 300.0: ANIONS						Analyst: MRA
Chloride	ND	60		mg/Kg	20	7/6/2020 4:37:39 PM
EPA METHOD 8260B: VOLATILES SHORT LIST						Analyst: DJF
Benzene	ND	0.025		mg/Kg	1	7/3/2020 6:31:47 PM
Toluene	ND	0.050		mg/Kg	1	7/3/2020 6:31:47 PM
Ethylbenzene	ND	0.050		mg/Kg	1	7/3/2020 6:31:47 PM
Xylenes, Total	ND	0.10		mg/Kg	1	7/3/2020 6:31:47 PM
Surr: 1,2-Dichloroethane-d4	106	70-130		%Rec	1	7/3/2020 6:31:47 PM
Surr: 4-Bromofluorobenzene	91.4	70-130		%Rec	1	7/3/2020 6:31:47 PM
Surr: Dibromofluoromethane	105	70-130		%Rec	1	7/3/2020 6:31:47 PM
Surr: Toluene-d8	104	70-130		%Rec	1	7/3/2020 6:31:47 PM
EPA METHOD 8015D MOD: GASOLINE RANGE						Analyst: DJF
Gasoline Range Organics (GRO)	ND	5.0		mg/Kg	1	7/3/2020 6:31:47 PM
Surr: BFB	104	70-130		%Rec	1	7/3/2020 6:31:47 PM

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

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

Analytical Report

Lab Order **2006F22**

Date Reported: 7/13/2020

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Pima Environmental Services LLC

Client Sample ID: S-8, 1'

Project: Aquila 22 Fed com 1H

Collection Date: 6/26/2020 9:26:00 AM

Lab ID: 2006F22-014

Matrix: SOIL

Received Date: 6/30/2020 8:55:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: CLP
Diesel Range Organics (DRO)	ND	9.2		mg/Kg	1	7/6/2020 8:22:44 PM
Motor Oil Range Organics (MRO)	ND	46		mg/Kg	1	7/6/2020 8:22:44 PM
Surr: DNOP	82.4	55.1-146		%Rec	1	7/6/2020 8:22:44 PM
EPA METHOD 300.0: ANIONS						Analyst: MRA
Chloride	ND	60		mg/Kg	20	7/6/2020 4:50:04 PM
EPA METHOD 8260B: VOLATILES SHORT LIST						Analyst: DJF
Benzene	ND	0.025		mg/Kg	1	7/3/2020 7:02:03 PM
Toluene	ND	0.050		mg/Kg	1	7/3/2020 7:02:03 PM
Ethylbenzene	ND	0.050		mg/Kg	1	7/3/2020 7:02:03 PM
Xylenes, Total	ND	0.099		mg/Kg	1	7/3/2020 7:02:03 PM
Surr: 1,2-Dichloroethane-d4	99.8	70-130		%Rec	1	7/3/2020 7:02:03 PM
Surr: 4-Bromofluorobenzene	84.5	70-130		%Rec	1	7/3/2020 7:02:03 PM
Surr: Dibromofluoromethane	99.1	70-130		%Rec	1	7/3/2020 7:02:03 PM
Surr: Toluene-d8	105	70-130		%Rec	1	7/3/2020 7:02:03 PM
EPA METHOD 8015D MOD: GASOLINE RANGE						Analyst: DJF
Gasoline Range Organics (GRO)	ND	5.0		mg/Kg	1	7/3/2020 7:02:03 PM
Surr: BFB	101	70-130		%Rec	1	7/3/2020 7:02:03 PM

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

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

Analytical Report

Lab Order **2006F22**

Date Reported: 7/13/2020

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Pima Environmental Services LLC

Client Sample ID: S-8, 2'

Project: Aquila 22 Fed com 1H

Collection Date: 6/26/2020 9:28:00 AM

Lab ID: 2006F22-015

Matrix: SOIL

Received Date: 6/30/2020 8:55:00 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	7/6/2020 8:47:07 PM
Motor Oil Range Organics (MRO)	ND	49		mg/Kg	1	7/6/2020 8:47:07 PM
Surr: DNOP	79.4	55.1-146		%Rec	1	7/6/2020 8:47:07 PM
EPA METHOD 300.0: ANIONS						Analyst: MRA
Chloride	ND	60		mg/Kg	20	7/6/2020 5:02:28 PM
EPA METHOD 8260B: VOLATILES SHORT LIST						Analyst: DJF
Benzene	ND	0.025		mg/Kg	1	7/3/2020 7:32:19 PM
Toluene	ND	0.050		mg/Kg	1	7/3/2020 7:32:19 PM
Ethylbenzene	ND	0.050		mg/Kg	1	7/3/2020 7:32:19 PM
Xylenes, Total	ND	0.10		mg/Kg	1	7/3/2020 7:32:19 PM
Surr: 1,2-Dichloroethane-d4	102	70-130		%Rec	1	7/3/2020 7:32:19 PM
Surr: 4-Bromofluorobenzene	90.2	70-130		%Rec	1	7/3/2020 7:32:19 PM
Surr: Dibromofluoromethane	99.6	70-130		%Rec	1	7/3/2020 7:32:19 PM
Surr: Toluene-d8	105	70-130		%Rec	1	7/3/2020 7:32:19 PM
EPA METHOD 8015D MOD: GASOLINE RANGE						Analyst: DJF
Gasoline Range Organics (GRO)	ND	5.0		mg/Kg	1	7/3/2020 7:32:19 PM
Surr: BFB	101	70-130		%Rec	1	7/3/2020 7:32:19 PM

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

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

Analytical Report

Lab Order **2006F22**

Date Reported: 7/13/2020

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Pima Environmental Services LLC

Client Sample ID: S-8, 3'

Project: Aquila 22 Fed com 1H

Collection Date: 6/26/2020 9:30:00 AM

Lab ID: 2006F22-016

Matrix: SOIL

Received Date: 6/30/2020 8:55:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: CLP
Diesel Range Organics (DRO)	ND	9.4		mg/Kg	1	7/6/2020 9:11:29 PM
Motor Oil Range Organics (MRO)	ND	47		mg/Kg	1	7/6/2020 9:11:29 PM
Surr: DNOP	85.0	55.1-146		%Rec	1	7/6/2020 9:11:29 PM
EPA METHOD 300.0: ANIONS						Analyst: MRA
Chloride	ND	60		mg/Kg	20	7/6/2020 5:39:41 PM
EPA METHOD 8260B: VOLATILES SHORT LIST						Analyst: DJF
Benzene	ND	0.025		mg/Kg	1	7/3/2020 8:02:33 PM
Toluene	ND	0.049		mg/Kg	1	7/3/2020 8:02:33 PM
Ethylbenzene	ND	0.049		mg/Kg	1	7/3/2020 8:02:33 PM
Xylenes, Total	ND	0.098		mg/Kg	1	7/3/2020 8:02:33 PM
Surr: 1,2-Dichloroethane-d4	98.9	70-130		%Rec	1	7/3/2020 8:02:33 PM
Surr: 4-Bromofluorobenzene	90.2	70-130		%Rec	1	7/3/2020 8:02:33 PM
Surr: Dibromofluoromethane	98.4	70-130		%Rec	1	7/3/2020 8:02:33 PM
Surr: Toluene-d8	107	70-130		%Rec	1	7/3/2020 8:02:33 PM
EPA METHOD 8015D MOD: GASOLINE RANGE						Analyst: DJF
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	7/3/2020 8:02:33 PM
Surr: BFB	105	70-130		%Rec	1	7/3/2020 8:02:33 PM

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

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

Analytical Report

Lab Order **2006F22**

Date Reported: 7/13/2020

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Pima Environmental Services LLC

Client Sample ID: S-9, 0"-6"

Project: Aquila 22 Fed com 1H

Collection Date: 6/26/2020 9:32:00 AM

Lab ID: 2006F22-017

Matrix: SOIL

Received Date: 6/30/2020 8:55:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: CLP
Diesel Range Organics (DRO)	ND	9.4		mg/Kg	1	7/6/2020 9:35:52 PM
Motor Oil Range Organics (MRO)	ND	47		mg/Kg	1	7/6/2020 9:35:52 PM
Surr: DNOP	77.1	55.1-146		%Rec	1	7/6/2020 9:35:52 PM
EPA METHOD 300.0: ANIONS						Analyst: MRA
Chloride	ND	60		mg/Kg	20	7/6/2020 5:52:05 PM
EPA METHOD 8260B: VOLATILES SHORT LIST						Analyst: DJF
Benzene	ND	0.025		mg/Kg	1	7/3/2020 8:32:38 PM
Toluene	ND	0.050		mg/Kg	1	7/3/2020 8:32:38 PM
Ethylbenzene	ND	0.050		mg/Kg	1	7/3/2020 8:32:38 PM
Xylenes, Total	ND	0.099		mg/Kg	1	7/3/2020 8:32:38 PM
Surr: 1,2-Dichloroethane-d4	96.8	70-130		%Rec	1	7/3/2020 8:32:38 PM
Surr: 4-Bromofluorobenzene	89.0	70-130		%Rec	1	7/3/2020 8:32:38 PM
Surr: Dibromofluoromethane	98.8	70-130		%Rec	1	7/3/2020 8:32:38 PM
Surr: Toluene-d8	106	70-130		%Rec	1	7/3/2020 8:32:38 PM
EPA METHOD 8015D MOD: GASOLINE RANGE						Analyst: DJF
Gasoline Range Organics (GRO)	ND	5.0		mg/Kg	1	7/3/2020 8:32:38 PM
Surr: BFB	101	70-130		%Rec	1	7/3/2020 8:32:38 PM

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

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

Analytical Report

Lab Order **2006F22**

Date Reported: 7/13/2020

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Pima Environmental Services LLC

Client Sample ID: S-9, 1'

Project: Aquila 22 Fed com 1H

Collection Date: 6/26/2020 9:34:00 AM

Lab ID: 2006F22-018

Matrix: SOIL

Received Date: 6/30/2020 8:55:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: CLP
Diesel Range Organics (DRO)	ND	9.2		mg/Kg	1	7/6/2020 10:00:22 PM
Motor Oil Range Organics (MRO)	ND	46		mg/Kg	1	7/6/2020 10:00:22 PM
Surr: DNOP	73.2	55.1-146		%Rec	1	7/6/2020 10:00:22 PM
EPA METHOD 300.0: ANIONS						Analyst: MRA
Chloride	ND	60		mg/Kg	20	7/6/2020 6:04:29 PM
EPA METHOD 8260B: VOLATILES SHORT LIST						Analyst: DJF
Benzene	ND	0.025		mg/Kg	1	7/4/2020 12:00:55 AM
Toluene	ND	0.049		mg/Kg	1	7/4/2020 12:00:55 AM
Ethylbenzene	ND	0.049		mg/Kg	1	7/4/2020 12:00:55 AM
Xylenes, Total	ND	0.099		mg/Kg	1	7/4/2020 12:00:55 AM
Surr: 1,2-Dichloroethane-d4	103	70-130		%Rec	1	7/4/2020 12:00:55 AM
Surr: 4-Bromofluorobenzene	90.3	70-130		%Rec	1	7/4/2020 12:00:55 AM
Surr: Dibromofluoromethane	103	70-130		%Rec	1	7/4/2020 12:00:55 AM
Surr: Toluene-d8	101	70-130		%Rec	1	7/4/2020 12:00:55 AM
EPA METHOD 8015D MOD: GASOLINE RANGE						Analyst: DJF
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	7/4/2020 12:00:55 AM
Surr: BFB	99.2	70-130		%Rec	1	7/4/2020 12:00:55 AM

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

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

Analytical Report

Lab Order **2006F22**

Date Reported: 7/13/2020

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Pima Environmental Services LLC

Client Sample ID: S-9, 2'

Project: Aquila 22 Fed com 1H

Collection Date: 6/26/2020 9:36:00 AM

Lab ID: 2006F22-019

Matrix: SOIL

Received Date: 6/30/2020 8:55:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: CLP
Diesel Range Organics (DRO)	ND	9.9		mg/Kg	1	7/6/2020 10:24:49 PM
Motor Oil Range Organics (MRO)	ND	49		mg/Kg	1	7/6/2020 10:24:49 PM
Surr: DNOP	78.8	55.1-146		%Rec	1	7/6/2020 10:24:49 PM
EPA METHOD 300.0: ANIONS						Analyst: MRA
Chloride	ND	60		mg/Kg	20	7/6/2020 6:16:54 PM
EPA METHOD 8260B: VOLATILES SHORT LIST						Analyst: DJF
Benzene	ND	0.025		mg/Kg	1	7/4/2020 1:29:26 AM
Toluene	ND	0.050		mg/Kg	1	7/4/2020 1:29:26 AM
Ethylbenzene	ND	0.050		mg/Kg	1	7/4/2020 1:29:26 AM
Xylenes, Total	ND	0.099		mg/Kg	1	7/4/2020 1:29:26 AM
Surr: 1,2-Dichloroethane-d4	102	70-130		%Rec	1	7/4/2020 1:29:26 AM
Surr: 4-Bromofluorobenzene	92.5	70-130		%Rec	1	7/4/2020 1:29:26 AM
Surr: Dibromofluoromethane	105	70-130		%Rec	1	7/4/2020 1:29:26 AM
Surr: Toluene-d8	99.4	70-130		%Rec	1	7/4/2020 1:29:26 AM
EPA METHOD 8015D MOD: GASOLINE RANGE						Analyst: DJF
Gasoline Range Organics (GRO)	ND	5.0		mg/Kg	1	7/4/2020 1:29:26 AM
Surr: BFB	99.2	70-130		%Rec	1	7/4/2020 1:29:26 AM

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

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

Analytical Report

Lab Order **2006F22**

Date Reported: 7/13/2020

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Pima Environmental Services LLC

Client Sample ID: S-9, 3'

Project: Aquila 22 Fed com 1H

Collection Date: 6/26/2020 9:38:00 AM

Lab ID: 2006F22-020

Matrix: SOIL

Received Date: 6/30/2020 8:55:00 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	7/6/2020 10:49:14 PM
Motor Oil Range Organics (MRO)	ND	48		mg/Kg	1	7/6/2020 10:49:14 PM
Surr: DNOP	86.0	55.1-146		%Rec	1	7/6/2020 10:49:14 PM
EPA METHOD 300.0: ANIONS						Analyst: MRA
Chloride	ND	60		mg/Kg	20	7/6/2020 6:29:19 PM
EPA METHOD 8260B: VOLATILES SHORT LIST						Analyst: DJF
Benzene	ND	0.025		mg/Kg	1	7/4/2020 2:57:48 AM
Toluene	ND	0.050		mg/Kg	1	7/4/2020 2:57:48 AM
Ethylbenzene	ND	0.050		mg/Kg	1	7/4/2020 2:57:48 AM
Xylenes, Total	ND	0.10		mg/Kg	1	7/4/2020 2:57:48 AM
Surr: 1,2-Dichloroethane-d4	105	70-130		%Rec	1	7/4/2020 2:57:48 AM
Surr: 4-Bromofluorobenzene	91.4	70-130		%Rec	1	7/4/2020 2:57:48 AM
Surr: Dibromofluoromethane	106	70-130		%Rec	1	7/4/2020 2:57:48 AM
Surr: Toluene-d8	98.7	70-130		%Rec	1	7/4/2020 2:57:48 AM
EPA METHOD 8015D MOD: GASOLINE RANGE						Analyst: DJF
Gasoline Range Organics (GRO)	ND	5.0		mg/Kg	1	7/4/2020 2:57:48 AM
Surr: BFB	98.4	70-130		%Rec	1	7/4/2020 2:57:48 AM

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

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

Analytical Report

Lab Order **2006F22**

Date Reported: **7/13/2020**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Pima Environmental Services LLC

Client Sample ID: S-10, 0"-6"

Project: Aquila 22 Fed com 1H

Collection Date: 6/26/2020 9:40:00 AM

Lab ID: 2006F22-021

Matrix: SOIL

Received Date: 6/30/2020 8:55:00 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	7/6/2020 11:13:39 PM
Motor Oil Range Organics (MRO)	ND	47		mg/Kg	1	7/6/2020 11:13:39 PM
Surr: DNOP	91.3	55.1-146		%Rec	1	7/6/2020 11:13:39 PM
EPA METHOD 300.0: ANIONS						Analyst: MRA
Chloride	ND	60		mg/Kg	20	7/6/2020 6:41:43 PM
EPA METHOD 8260B: VOLATILES SHORT LIST						Analyst: DJF
Benzene	ND	0.025		mg/Kg	1	7/4/2020 3:27:10 AM
Toluene	ND	0.049		mg/Kg	1	7/4/2020 3:27:10 AM
Ethylbenzene	ND	0.049		mg/Kg	1	7/4/2020 3:27:10 AM
Xylenes, Total	ND	0.098		mg/Kg	1	7/4/2020 3:27:10 AM
Surr: 1,2-Dichloroethane-d4	104	70-130		%Rec	1	7/4/2020 3:27:10 AM
Surr: 4-Bromofluorobenzene	90.2	70-130		%Rec	1	7/4/2020 3:27:10 AM
Surr: Dibromofluoromethane	111	70-130		%Rec	1	7/4/2020 3:27:10 AM
Surr: Toluene-d8	102	70-130		%Rec	1	7/4/2020 3:27:10 AM
EPA METHOD 8015D MOD: GASOLINE RANGE						Analyst: DJF
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	7/4/2020 3:27:10 AM
Surr: BFB	98.2	70-130		%Rec	1	7/4/2020 3:27:10 AM

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

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

Analytical Report

Lab Order **2006F22**

Date Reported: **7/13/2020**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Pima Environmental Services LLC

Client Sample ID: S-10, 1'

Project: Aquila 22 Fed com 1H

Collection Date: 6/26/2020 9:42:00 AM

Lab ID: 2006F22-022

Matrix: SOIL

Received Date: 6/30/2020 8:55:00 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	7/6/2020 11:38:08 PM
Motor Oil Range Organics (MRO)	ND	49		mg/Kg	1	7/6/2020 11:38:08 PM
Surr: DNOP	80.6	55.1-146		%Rec	1	7/6/2020 11:38:08 PM
EPA METHOD 300.0: ANIONS						Analyst: MRA
Chloride	ND	60		mg/Kg	20	7/6/2020 6:54:08 PM
EPA METHOD 8260B: VOLATILES SHORT LIST						Analyst: DJF
Benzene	ND	0.024		mg/Kg	1	7/4/2020 3:56:30 AM
Toluene	ND	0.049		mg/Kg	1	7/4/2020 3:56:30 AM
Ethylbenzene	ND	0.049		mg/Kg	1	7/4/2020 3:56:30 AM
Xylenes, Total	ND	0.098		mg/Kg	1	7/4/2020 3:56:30 AM
Surr: 1,2-Dichloroethane-d4	104	70-130		%Rec	1	7/4/2020 3:56:30 AM
Surr: 4-Bromofluorobenzene	96.1	70-130		%Rec	1	7/4/2020 3:56:30 AM
Surr: Dibromofluoromethane	105	70-130		%Rec	1	7/4/2020 3:56:30 AM
Surr: Toluene-d8	103	70-130		%Rec	1	7/4/2020 3:56:30 AM
EPA METHOD 8015D MOD: GASOLINE RANGE						Analyst: DJF
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	7/4/2020 3:56:30 AM
Surr: BFB	106	70-130		%Rec	1	7/4/2020 3:56:30 AM

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

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

Analytical Report

Lab Order **2006F22**

Date Reported: 7/13/2020

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Pima Environmental Services LLC

Client Sample ID: S-10, 2'

Project: Aquila 22 Fed com 1H

Collection Date: 6/26/2020 9:44:00 AM

Lab ID: 2006F22-023

Matrix: SOIL

Received Date: 6/30/2020 8:55:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: CLP
Diesel Range Organics (DRO)	ND	9.6		mg/Kg	1	7/7/2020 12:02:42 AM
Motor Oil Range Organics (MRO)	ND	48		mg/Kg	1	7/7/2020 12:02:42 AM
Surr: DNOP	82.5	55.1-146		%Rec	1	7/7/2020 12:02:42 AM
EPA METHOD 300.0: ANIONS						Analyst: MRA
Chloride	ND	60		mg/Kg	20	7/6/2020 5:29:46 PM
EPA METHOD 8260B: VOLATILES SHORT LIST						Analyst: DJF
Benzene	ND	0.025		mg/Kg	1	7/4/2020 4:25:51 AM
Toluene	ND	0.049		mg/Kg	1	7/4/2020 4:25:51 AM
Ethylbenzene	ND	0.049		mg/Kg	1	7/4/2020 4:25:51 AM
Xylenes, Total	ND	0.098		mg/Kg	1	7/4/2020 4:25:51 AM
Surr: 1,2-Dichloroethane-d4	106	70-130		%Rec	1	7/4/2020 4:25:51 AM
Surr: 4-Bromofluorobenzene	90.4	70-130		%Rec	1	7/4/2020 4:25:51 AM
Surr: Dibromofluoromethane	106	70-130		%Rec	1	7/4/2020 4:25:51 AM
Surr: Toluene-d8	103	70-130		%Rec	1	7/4/2020 4:25:51 AM
EPA METHOD 8015D MOD: GASOLINE RANGE						Analyst: DJF
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	7/4/2020 4:25:51 AM
Surr: BFB	102	70-130		%Rec	1	7/4/2020 4:25:51 AM

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

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

Analytical Report

Lab Order **2006F22**

Date Reported: 7/13/2020

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Pima Environmental Services LLC

Client Sample ID: S-10, 3'

Project: Aquila 22 Fed com 1H

Collection Date: 6/26/2020 9:46:00 AM

Lab ID: 2006F22-024

Matrix: SOIL

Received Date: 6/30/2020 8:55:00 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	7/7/2020 12:27:09 AM
Motor Oil Range Organics (MRO)	ND	47		mg/Kg	1	7/7/2020 12:27:09 AM
Surr: DNOP	81.9	55.1-146		%Rec	1	7/7/2020 12:27:09 AM
EPA METHOD 300.0: ANIONS						Analyst: MRA
Chloride	ND	60		mg/Kg	20	7/6/2020 6:31:35 PM
EPA METHOD 8260B: VOLATILES SHORT LIST						Analyst: DJF
Benzene	ND	0.024		mg/Kg	1	7/4/2020 4:55:16 AM
Toluene	ND	0.048		mg/Kg	1	7/4/2020 4:55:16 AM
Ethylbenzene	ND	0.048		mg/Kg	1	7/4/2020 4:55:16 AM
Xylenes, Total	ND	0.097		mg/Kg	1	7/4/2020 4:55:16 AM
Surr: 1,2-Dichloroethane-d4	101	70-130		%Rec	1	7/4/2020 4:55:16 AM
Surr: 4-Bromofluorobenzene	94.2	70-130		%Rec	1	7/4/2020 4:55:16 AM
Surr: Dibromofluoromethane	108	70-130		%Rec	1	7/4/2020 4:55:16 AM
Surr: Toluene-d8	102	70-130		%Rec	1	7/4/2020 4:55:16 AM
EPA METHOD 8015D MOD: GASOLINE RANGE						Analyst: DJF
Gasoline Range Organics (GRO)	ND	4.8		mg/Kg	1	7/4/2020 4:55:16 AM
Surr: BFB	103	70-130		%Rec	1	7/4/2020 4:55:16 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 Quantitative Limit	RL Reporting Limit
	S % Recovery outside of range due to dilution or matrix	

Analytical Report

Lab Order **2006F22**

Date Reported: 7/13/2020

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Pima Environmental Services LLC

Client Sample ID: BG-1

Project: Aquila 22 Fed com 1H

Collection Date: 6/26/2020 9:48:00 AM

Lab ID: 2006F22-025

Matrix: SOIL

Received Date: 6/30/2020 8:55:00 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	7/7/2020 12:51:36 AM
Motor Oil Range Organics (MRO)	ND	45		mg/Kg	1	7/7/2020 12:51:36 AM
Surr: DNOP	92.7	55.1-146		%Rec	1	7/7/2020 12:51:36 AM
EPA METHOD 300.0: ANIONS						Analyst: MRA
Chloride	ND	60		mg/Kg	20	7/6/2020 6:43:56 PM
EPA METHOD 8260B: VOLATILES SHORT LIST						Analyst: DJF
Benzene	ND	0.025		mg/Kg	1	7/4/2020 5:24:38 AM
Toluene	ND	0.050		mg/Kg	1	7/4/2020 5:24:38 AM
Ethylbenzene	ND	0.050		mg/Kg	1	7/4/2020 5:24:38 AM
Xylenes, Total	ND	0.099		mg/Kg	1	7/4/2020 5:24:38 AM
Surr: 1,2-Dichloroethane-d4	99.6	70-130		%Rec	1	7/4/2020 5:24:38 AM
Surr: 4-Bromofluorobenzene	95.0	70-130		%Rec	1	7/4/2020 5:24:38 AM
Surr: Dibromofluoromethane	103	70-130		%Rec	1	7/4/2020 5:24:38 AM
Surr: Toluene-d8	101	70-130		%Rec	1	7/4/2020 5:24:38 AM
EPA METHOD 8015D MOD: GASOLINE RANGE						Analyst: DJF
Gasoline Range Organics (GRO)	ND	5.0		mg/Kg	1	7/4/2020 5:24:38 AM
Surr: BFB	105	70-130		%Rec	1	7/4/2020 5:24:38 AM

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

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

Analytical Report

Lab Order **2006F22**

Date Reported: 7/13/2020

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Pima Environmental Services LLC

Client Sample ID: BG-2

Project: Aquila 22 Fed com 1H

Collection Date: 6/26/2020 9:50:00 AM

Lab ID: 2006F22-026

Matrix: SOIL

Received Date: 6/30/2020 8:55:00 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	7/7/2020 1:40:24 AM
Motor Oil Range Organics (MRO)	ND	45		mg/Kg	1	7/7/2020 1:40:24 AM
Surr: DNOP	93.3	55.1-146		%Rec	1	7/7/2020 1:40:24 AM
EPA METHOD 300.0: ANIONS						Analyst: MRA
Chloride	ND	60		mg/Kg	20	7/6/2020 6:56:17 PM
EPA METHOD 8260B: VOLATILES SHORT LIST						Analyst: DJF
Benzene	ND	0.025		mg/Kg	1	7/4/2020 5:54:00 AM
Toluene	ND	0.049		mg/Kg	1	7/4/2020 5:54:00 AM
Ethylbenzene	ND	0.049		mg/Kg	1	7/4/2020 5:54:00 AM
Xylenes, Total	ND	0.099		mg/Kg	1	7/4/2020 5:54:00 AM
Surr: 1,2-Dichloroethane-d4	102	70-130		%Rec	1	7/4/2020 5:54:00 AM
Surr: 4-Bromofluorobenzene	96.0	70-130		%Rec	1	7/4/2020 5:54:00 AM
Surr: Dibromofluoromethane	105	70-130		%Rec	1	7/4/2020 5:54:00 AM
Surr: Toluene-d8	100	70-130		%Rec	1	7/4/2020 5:54:00 AM
EPA METHOD 8015D MOD: GASOLINE RANGE						Analyst: DJF
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	7/4/2020 5:54:00 AM
Surr: BFB	99.4	70-130		%Rec	1	7/4/2020 5:54:00 AM

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

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

Analytical Report

Lab Order **2006F22**

Date Reported: 7/13/2020

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Pima Environmental Services LLC

Client Sample ID: BG-3

Project: Aquila 22 Fed com 1H

Collection Date: 6/26/2020 9:52:00 AM

Lab ID: 2006F22-027

Matrix: SOIL

Received Date: 6/30/2020 8:55:00 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	7/7/2020 2:04:48 AM
Motor Oil Range Organics (MRO)	ND	47		mg/Kg	1	7/7/2020 2:04:48 AM
Surr: DNOP	91.6	55.1-146		%Rec	1	7/7/2020 2:04:48 AM
EPA METHOD 300.0: ANIONS						Analyst: MRA
Chloride	ND	59		mg/Kg	20	7/6/2020 7:08:38 PM
EPA METHOD 8260B: VOLATILES SHORT LIST						Analyst: DJF
Benzene	ND	0.025		mg/Kg	1	7/4/2020 6:23:23 AM
Toluene	ND	0.050		mg/Kg	1	7/4/2020 6:23:23 AM
Ethylbenzene	ND	0.050		mg/Kg	1	7/4/2020 6:23:23 AM
Xylenes, Total	ND	0.10		mg/Kg	1	7/4/2020 6:23:23 AM
Surr: 1,2-Dichloroethane-d4	98.8	70-130		%Rec	1	7/4/2020 6:23:23 AM
Surr: 4-Bromofluorobenzene	92.7	70-130		%Rec	1	7/4/2020 6:23:23 AM
Surr: Dibromofluoromethane	102	70-130		%Rec	1	7/4/2020 6:23:23 AM
Surr: Toluene-d8	103	70-130		%Rec	1	7/4/2020 6:23:23 AM
EPA METHOD 8015D MOD: GASOLINE RANGE						Analyst: DJF
Gasoline Range Organics (GRO)	ND	5.0		mg/Kg	1	7/4/2020 6:23:23 AM
Surr: BFB	101	70-130		%Rec	1	7/4/2020 6:23:23 AM

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

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

Analytical Report

Lab Order **2006F22**

Date Reported: 7/13/2020

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Pima Environmental Services LLC

Client Sample ID: S-1-C-S

Project: Aquila 22 Fed com 1H

Collection Date: 6/26/2020 9:54:00 AM

Lab ID: 2006F22-028

Matrix: SOIL

Received Date: 6/30/2020 8:55:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: CLP
Diesel Range Organics (DRO)	ND	9.1		mg/Kg	1	7/8/2020 8:23:12 AM
Motor Oil Range Organics (MRO)	ND	46		mg/Kg	1	7/8/2020 8:23:12 AM
Surr: DNOP	104	55.1-146		%Rec	1	7/8/2020 8:23:12 AM
EPA METHOD 300.0: ANIONS						Analyst: MRA
Chloride	160	61		mg/Kg	20	7/6/2020 7:20:59 PM
EPA METHOD 8260B: VOLATILES SHORT LIST						Analyst: DJF
Benzene	ND	0.024		mg/Kg	1	7/4/2020 6:52:46 AM
Toluene	ND	0.049		mg/Kg	1	7/4/2020 6:52:46 AM
Ethylbenzene	ND	0.049		mg/Kg	1	7/4/2020 6:52:46 AM
Xylenes, Total	ND	0.097		mg/Kg	1	7/4/2020 6:52:46 AM
Surr: 1,2-Dichloroethane-d4	101	70-130		%Rec	1	7/4/2020 6:52:46 AM
Surr: 4-Bromofluorobenzene	91.1	70-130		%Rec	1	7/4/2020 6:52:46 AM
Surr: Dibromofluoromethane	105	70-130		%Rec	1	7/4/2020 6:52:46 AM
Surr: Toluene-d8	101	70-130		%Rec	1	7/4/2020 6:52:46 AM
EPA METHOD 8015D MOD: GASOLINE RANGE						Analyst: DJF
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	7/4/2020 6:52:46 AM
Surr: BFB	101	70-130		%Rec	1	7/4/2020 6:52:46 AM

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

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

Analytical Report

Lab Order **2006F22**

Date Reported: **7/13/2020**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Pima Environmental Services LLC

Client Sample ID: S-2-C-W

Project: Aquila 22 Fed com 1H

Collection Date: 6/26/2020 9:56:00 AM

Lab ID: 2006F22-029

Matrix: SOIL

Received Date: 6/30/2020 8:55:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: CLP
Diesel Range Organics (DRO)	ND	9.4		mg/Kg	1	7/7/2020 3:18:01 AM
Motor Oil Range Organics (MRO)	ND	47		mg/Kg	1	7/7/2020 3:18:01 AM
Surr: DNOP	87.7	55.1-146		%Rec	1	7/7/2020 3:18:01 AM
EPA METHOD 300.0: ANIONS						Analyst: MRA
Chloride	580	60		mg/Kg	20	7/6/2020 7:33:21 PM
EPA METHOD 8260B: VOLATILES SHORT LIST						Analyst: DJF
Benzene	ND	0.025		mg/Kg	1	7/4/2020 7:22:09 AM
Toluene	ND	0.049		mg/Kg	1	7/4/2020 7:22:09 AM
Ethylbenzene	ND	0.049		mg/Kg	1	7/4/2020 7:22:09 AM
Xylenes, Total	ND	0.099		mg/Kg	1	7/4/2020 7:22:09 AM
Surr: 1,2-Dichloroethane-d4	107	70-130		%Rec	1	7/4/2020 7:22:09 AM
Surr: 4-Bromofluorobenzene	89.6	70-130		%Rec	1	7/4/2020 7:22:09 AM
Surr: Dibromofluoromethane	110	70-130		%Rec	1	7/4/2020 7:22:09 AM
Surr: Toluene-d8	102	70-130		%Rec	1	7/4/2020 7:22:09 AM
EPA METHOD 8015D MOD: GASOLINE RANGE						Analyst: DJF
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	7/4/2020 7:22:09 AM
Surr: BFB	101	70-130		%Rec	1	7/4/2020 7:22:09 AM

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

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

Analytical Report

Lab Order **2006F22**

Date Reported: 7/13/2020

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Pima Environmental Services LLC

Client Sample ID: S-3-C-N

Project: Aquila 22 Fed com 1H

Collection Date: 6/26/2020 9:58:00 AM

Lab ID: 2006F22-030

Matrix: SOIL

Received Date: 6/30/2020 8:55:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: CLP
Diesel Range Organics (DRO)	290	50		mg/Kg	5	7/7/2020 4:31:03 AM
Motor Oil Range Organics (MRO)	470	250		mg/Kg	5	7/7/2020 4:31:03 AM
Surr: DNOP	93.9	55.1-146		%Rec	5	7/7/2020 4:31:03 AM
EPA METHOD 300.0: ANIONS						Analyst: MRA
Chloride	1100	60		mg/Kg	20	7/6/2020 7:45:42 PM
EPA METHOD 8260B: VOLATILES SHORT LIST						Analyst: DJF
Benzene	ND	0.025		mg/Kg	1	7/4/2020 7:51:33 AM
Toluene	ND	0.050		mg/Kg	1	7/4/2020 7:51:33 AM
Ethylbenzene	ND	0.050		mg/Kg	1	7/4/2020 7:51:33 AM
Xylenes, Total	ND	0.099		mg/Kg	1	7/4/2020 7:51:33 AM
Surr: 1,2-Dichloroethane-d4	107	70-130		%Rec	1	7/4/2020 7:51:33 AM
Surr: 4-Bromofluorobenzene	92.0	70-130		%Rec	1	7/4/2020 7:51:33 AM
Surr: Dibromofluoromethane	108	70-130		%Rec	1	7/4/2020 7:51:33 AM
Surr: Toluene-d8	104	70-130		%Rec	1	7/4/2020 7:51:33 AM
EPA METHOD 8015D MOD: GASOLINE RANGE						Analyst: DJF
Gasoline Range Organics (GRO)	ND	5.0		mg/Kg	1	7/4/2020 7:51:33 AM
Surr: BFB	99.6	70-130		%Rec	1	7/4/2020 7:51:33 AM

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

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

Analytical Report

Lab Order **2006F22**

Date Reported: 7/13/2020

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Pima Environmental Services LLC

Client Sample ID: S-4-C-E

Project: Aquila 22 Fed com 1H

Collection Date: 6/26/2020 10:00:00 AM

Lab ID: 2006F22-031

Matrix: SOIL

Received Date: 6/30/2020 8:55:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: BRM
Diesel Range Organics (DRO)	5700	190		mg/Kg	20	7/4/2020 2:05:34 PM
Motor Oil Range Organics (MRO)	4000	970		mg/Kg	20	7/4/2020 2:05:34 PM
Surr: DNOP	0	55.1-146	S	%Rec	20	7/4/2020 2:05:34 PM
EPA METHOD 300.0: ANIONS						Analyst: MRA
Chloride	310	60		mg/Kg	20	7/6/2020 7:58:02 PM
EPA METHOD 8260B: VOLATILES SHORT LIST						Analyst: DJF
Benzene	ND	0.024		mg/Kg	1	7/4/2020 8:20:58 AM
Toluene	ND	0.049		mg/Kg	1	7/4/2020 8:20:58 AM
Ethylbenzene	ND	0.049		mg/Kg	1	7/4/2020 8:20:58 AM
Xylenes, Total	ND	0.098		mg/Kg	1	7/4/2020 8:20:58 AM
Surr: 1,2-Dichloroethane-d4	102	70-130		%Rec	1	7/4/2020 8:20:58 AM
Surr: 4-Bromofluorobenzene	84.7	70-130		%Rec	1	7/4/2020 8:20:58 AM
Surr: Dibromofluoromethane	107	70-130		%Rec	1	7/4/2020 8:20:58 AM
Surr: Toluene-d8	100	70-130		%Rec	1	7/4/2020 8:20:58 AM
EPA METHOD 8015D MOD: GASOLINE RANGE						Analyst: DJF
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	7/4/2020 8:20:58 AM
Surr: BFB	101	70-130		%Rec	1	7/4/2020 8:20:58 AM

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

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

Analytical Report

Lab Order **2006F22**

Date Reported: 7/13/2020

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Pima Environmental Services LLC

Client Sample ID: B-1, 0-2'

Project: Aquila 22 Fed com 1H

Collection Date: 6/26/2020 10:02:00 AM

Lab ID: 2006F22-032

Matrix: SOIL

Received Date: 6/30/2020 8:55:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: BRM
Diesel Range Organics (DRO)	ND	9.8		mg/Kg	1	7/4/2020 2:30:02 PM
Motor Oil Range Organics (MRO)	ND	49		mg/Kg	1	7/4/2020 2:30:02 PM
Surr: DNOP	89.8	55.1-146		%Rec	1	7/4/2020 2:30:02 PM
EPA METHOD 300.0: ANIONS						Analyst: MRA
Chloride	660	60		mg/Kg	20	7/6/2020 8:35:06 PM
EPA METHOD 8260B: VOLATILES SHORT LIST						Analyst: DJF
Benzene	ND	0.024		mg/Kg	1	7/4/2020 8:50:30 AM
Toluene	ND	0.049		mg/Kg	1	7/4/2020 8:50:30 AM
Ethylbenzene	ND	0.049		mg/Kg	1	7/4/2020 8:50:30 AM
Xylenes, Total	ND	0.097		mg/Kg	1	7/4/2020 8:50:30 AM
Surr: 1,2-Dichloroethane-d4	104	70-130		%Rec	1	7/4/2020 8:50:30 AM
Surr: 4-Bromofluorobenzene	90.6	70-130		%Rec	1	7/4/2020 8:50:30 AM
Surr: Dibromofluoromethane	105	70-130		%Rec	1	7/4/2020 8:50:30 AM
Surr: Toluene-d8	102	70-130		%Rec	1	7/4/2020 8:50:30 AM
EPA METHOD 8015D MOD: GASOLINE RANGE						Analyst: DJF
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	7/4/2020 8:50:30 AM
Surr: BFB	98.2	70-130		%Rec	1	7/4/2020 8:50:30 AM

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

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

Analytical Report

Lab Order **2006F22**

Date Reported: 7/13/2020

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Pima Environmental Services LLC

Client Sample ID: B-2, 0-1'

Project: Aquila 22 Fed com 1H

Collection Date: 6/26/2020 10:04:00 AM

Lab ID: 2006F22-033

Matrix: SOIL

Received Date: 6/30/2020 8:55:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: BRM
Diesel Range Organics (DRO)	ND	9.2		mg/Kg	1	7/4/2020 2:54:10 PM
Motor Oil Range Organics (MRO)	ND	46		mg/Kg	1	7/4/2020 2:54:10 PM
Surr: DNOP	81.4	55.1-146		%Rec	1	7/4/2020 2:54:10 PM
EPA METHOD 300.0: ANIONS						Analyst: MRA
Chloride	2200	60		mg/Kg	20	7/6/2020 8:47:26 PM
EPA METHOD 8260B: VOLATILES SHORT LIST						Analyst: DJF
Benzene	ND	0.025		mg/Kg	1	7/4/2020 11:18:23 AM
Toluene	ND	0.050		mg/Kg	1	7/4/2020 11:18:23 AM
Ethylbenzene	ND	0.050		mg/Kg	1	7/4/2020 11:18:23 AM
Xylenes, Total	ND	0.099		mg/Kg	1	7/4/2020 11:18:23 AM
Surr: 1,2-Dichloroethane-d4	102	70-130		%Rec	1	7/4/2020 11:18:23 AM
Surr: 4-Bromofluorobenzene	90.8	70-130		%Rec	1	7/4/2020 11:18:23 AM
Surr: Dibromofluoromethane	101	70-130		%Rec	1	7/4/2020 11:18:23 AM
Surr: Toluene-d8	99.5	70-130		%Rec	1	7/4/2020 11:18:23 AM
EPA METHOD 8015D MOD: GASOLINE RANGE						Analyst: DJF
Gasoline Range Organics (GRO)	ND	5.0		mg/Kg	1	7/4/2020 11:18:23 AM
Surr: BFB	99.4	70-130		%Rec	1	7/4/2020 11:18:23 AM

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

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

Analytical Report

Lab Order **2006F22**

Date Reported: 7/13/2020

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Pima Environmental Services LLC

Client Sample ID: B-2, 4'

Project: Aquila 22 Fed com 1H

Collection Date: 6/26/2020 10:06:00 AM

Lab ID: 2006F22-034

Matrix: SOIL

Received Date: 6/30/2020 8:55:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: BRM
Diesel Range Organics (DRO)	ND	9.4		mg/Kg	1	7/4/2020 3:18:40 PM
Motor Oil Range Organics (MRO)	ND	47		mg/Kg	1	7/4/2020 3:18:40 PM
Surr: DNOP	96.4	55.1-146		%Rec	1	7/4/2020 3:18:40 PM
EPA METHOD 300.0: ANIONS						Analyst: JMT
Chloride	6600	300		mg/Kg	100	7/7/2020 8:42:44 PM
EPA METHOD 8260B: VOLATILES SHORT LIST						Analyst: DJF
Benzene	ND	0.025		mg/Kg	1	7/4/2020 11:48:01 AM
Toluene	ND	0.049		mg/Kg	1	7/4/2020 11:48:01 AM
Ethylbenzene	ND	0.049		mg/Kg	1	7/4/2020 11:48:01 AM
Xylenes, Total	ND	0.098		mg/Kg	1	7/4/2020 11:48:01 AM
Surr: 1,2-Dichloroethane-d4	102	70-130		%Rec	1	7/4/2020 11:48:01 AM
Surr: 4-Bromofluorobenzene	91.4	70-130		%Rec	1	7/4/2020 11:48:01 AM
Surr: Dibromofluoromethane	105	70-130		%Rec	1	7/4/2020 11:48:01 AM
Surr: Toluene-d8	99.3	70-130		%Rec	1	7/4/2020 11:48:01 AM
EPA METHOD 8015D MOD: GASOLINE RANGE						Analyst: DJF
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	7/4/2020 11:48:01 AM
Surr: BFB	102	70-130		%Rec	1	7/4/2020 11:48:01 AM

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

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

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: 2006F22

13-Jul-20

Client: Pima Environmental Services LLC

Project: Aquila 22 Fed com 1H

Sample ID: MB-53511	SampType: mblk	TestCode: EPA Method 300.0: Anions								
Client ID: PBS	Batch ID: 53511	RunNo: 70125								
Prep Date: 7/6/2020	Analysis Date: 7/6/2020	SeqNo: 2436880	Units: mg/Kg							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	ND	1.5								

Sample ID: LCS-53511	SampType: ics	TestCode: EPA Method 300.0: Anions								
Client ID: LCSS	Batch ID: 53511	RunNo: 70125								
Prep Date: 7/6/2020	Analysis Date: 7/6/2020	SeqNo: 2436881	Units: mg/Kg							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	14	1.5	15.00	0	95.3	90	110			

Sample ID: MB-53505	SampType: mblk	TestCode: EPA Method 300.0: Anions								
Client ID: PBS	Batch ID: 53505	RunNo: 70135								
Prep Date: 7/6/2020	Analysis Date: 7/6/2020	SeqNo: 2437262	Units: mg/Kg							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	ND	1.5								

Sample ID: LCS-53505	SampType: ics	TestCode: EPA Method 300.0: Anions								
Client ID: LCSS	Batch ID: 53505	RunNo: 70135								
Prep Date: 7/6/2020	Analysis Date: 7/6/2020	SeqNo: 2437263	Units: mg/Kg							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	14	1.5	15.00	0	96.0	90	110			

Sample ID: MB-53521	SampType: mblk	TestCode: EPA Method 300.0: Anions								
Client ID: PBS	Batch ID: 53521	RunNo: 70135								
Prep Date: 7/6/2020	Analysis Date: 7/6/2020	SeqNo: 2437292	Units: mg/Kg							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	ND	1.5								

Sample ID: LCS-53521	SampType: ics	TestCode: EPA Method 300.0: Anions								
Client ID: LCSS	Batch ID: 53521	RunNo: 70135								
Prep Date: 7/6/2020	Analysis Date: 7/6/2020	SeqNo: 2437293	Units: mg/Kg							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	14	1.5	15.00	0	96.2	90	110			

Qualifiers:

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

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: 2006F22

13-Jul-20

Client: Pima Environmental Services LLC

Project: Aquila 22 Fed com 1H

Sample ID: LCS-53484	SampType: LCS	TestCode: EPA Method 8015M/D: Diesel Range Organics								
Client ID: LCSS	Batch ID: 53484	RunNo: 70104								
Prep Date: 7/2/2020	Analysis Date: 7/4/2020	SeqNo: 2436177	Units: mg/Kg							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	52	10	50.00	0	104	70	130			
Surr: DNOP	5.1		5.000		103	55.1	146			

Sample ID: MB-53484	SampType: MBLK	TestCode: EPA Method 8015M/D: Diesel Range Organics								
Client ID: PBS	Batch ID: 53484	RunNo: 70104								
Prep Date: 7/2/2020	Analysis Date: 7/4/2020	SeqNo: 2436180	Units: mg/Kg							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	ND	10								
Motor Oil Range Organics (MRO)	ND	50								
Surr: DNOP	9.8		10.00		97.6	55.1	146			

Sample ID: MB-53453	SampType: MBLK	TestCode: EPA Method 8015M/D: Diesel Range Organics								
Client ID: PBS	Batch ID: 53453	RunNo: 70101								
Prep Date: 7/1/2020	Analysis Date: 7/5/2020	SeqNo: 2436191	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	13		10.00		126	55.1	146			

Sample ID: LCS-53453	SampType: LCS	TestCode: EPA Method 8015M/D: Diesel Range Organics								
Client ID: LCSS	Batch ID: 53453	RunNo: 70101								
Prep Date: 7/1/2020	Analysis Date: 7/5/2020	SeqNo: 2436192	Units: mg/Kg							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	55	10	50.00	0	110	70	130			
Surr: DNOP	5.4		5.000		109	55.1	146			

Sample ID: 2006F22-009AMS	SampType: MS	TestCode: EPA Method 8015M/D: Diesel Range Organics								
Client ID: S-7, 0"-6"	Batch ID: 53461	RunNo: 70104								
Prep Date: 7/1/2020	Analysis Date: 7/5/2020	SeqNo: 2436371	Units: mg/Kg							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	55	9.7	48.54	4.632	103	47.4	136			
Surr: DNOP	5.3		4.854		110	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 Quantitative Limit
- S % Recovery outside of range due to dilution or matrix
- B Analyte detected in the associated Method Blank
- E Value above quantitation range
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: 2006F22

13-Jul-20

Client: Pima Environmental Services LLC

Project: Aquila 22 Fed com 1H

Sample ID: 2006F22-009AMSD	SampType: MSD	TestCode: EPA Method 8015M/D: Diesel Range Organics								
Client ID: S-7, 0"-6"	Batch ID: 53461	RunNo: 70104								
Prep Date: 7/1/2020	Analysis Date: 7/5/2020	SeqNo: 2436372	Units: mg/Kg							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	50	9.6	47.98	4.632	94.8	47.4	136	8.82	43.4	
Surr: DNOP	3.0		4.798		62.9	55.1	146	0	0	

Sample ID: MB-53461	SampType: MBLK	TestCode: EPA Method 8015M/D: Diesel Range Organics								
Client ID: PBS	Batch ID: 53461	RunNo: 70110								
Prep Date: 7/1/2020	Analysis Date: 7/6/2020	SeqNo: 2436420	Units: mg/Kg							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	ND	10								
Motor Oil Range Organics (MRO)	ND	50								
Surr: DNOP	9.7		10.00		97.0	55.1	146			

Sample ID: LCS-53461	SampType: LCS	TestCode: EPA Method 8015M/D: Diesel Range Organics								
Client ID: LCSS	Batch ID: 53461	RunNo: 70110								
Prep Date: 7/1/2020	Analysis Date: 7/6/2020	SeqNo: 2436421	Units: mg/Kg							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	47	10	50.00	0	93.6	70	130			
Surr: DNOP	4.5		5.000		89.2	55.1	146			

Sample ID: 2006F22-029AMS	SampType: MS	TestCode: EPA Method 8015M/D: Diesel Range Organics								
Client ID: S-2-C-W	Batch ID: 53484	RunNo: 70110								
Prep Date: 7/2/2020	Analysis Date: 7/7/2020	SeqNo: 2437849	Units: mg/Kg							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	39	9.2	45.91	5.449	74.0	47.4	136			
Surr: DNOP	4.3		4.591		93.8	55.1	146			

Sample ID: 2006F22-029AMSD	SampType: MSD	TestCode: EPA Method 8015M/D: Diesel Range Organics								
Client ID: S-2-C-W	Batch ID: 53484	RunNo: 70110								
Prep Date: 7/2/2020	Analysis Date: 7/7/2020	SeqNo: 2437851	Units: mg/Kg							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	38	9.4	47.04	5.449	68.4	47.4	136	4.74	43.4	
Surr: DNOP	4.3		4.704		91.9	55.1	146	0	0	

Qualifiers:

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

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: 2006F22

13-Jul-20

Client: Pima Environmental Services LLC

Project: Aquila 22 Fed com 1H

Sample ID: MB-53520	SampType: MBLK	TestCode: EPA Method 8015M/D: Diesel Range Organics								
Client ID: PBS	Batch ID: 53520	RunNo: 70110								
Prep Date: 7/6/2020	Analysis Date: 7/7/2020	SeqNo: 2437862	Units: %Rec							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: DNOP	12		10.00		119	55.1	146			

Sample ID: LCS-53520	SampType: LCS	TestCode: EPA Method 8015M/D: Diesel Range Organics								
Client ID: LCSS	Batch ID: 53520	RunNo: 70110								
Prep Date: 7/6/2020	Analysis Date: 7/7/2020	SeqNo: 2437863	Units: %Rec							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: DNOP	5.9		5.000		119	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 Quantitative Limit
- S % Recovery outside of range due to dilution or matrix
- B Analyte detected in the associated Method Blank
- E Value above quantitation range
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: 2006F22

13-Jul-20

Client: Pima Environmental Services LLC

Project: Aquila 22 Fed com 1H

Sample ID: mb-53429	SampType: MBLK		TestCode: EPA Method 8260B: Volatiles Short List							
Client ID: PBS	Batch ID: 53429		RunNo: 70086							
Prep Date: 6/30/2020	Analysis Date: 7/3/2020		SeqNo: 2435199	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	0.53		0.5000		105	70	130			
Surr: 4-Bromofluorobenzene	0.44		0.5000		89.0	70	130			
Surr: Dibromofluoromethane	0.52		0.5000		103	70	130			
Surr: Toluene-d8	0.51		0.5000		101	70	130			

Sample ID: mb-53434	SampType: MBLK		TestCode: EPA Method 8260B: Volatiles Short List							
Client ID: PBS	Batch ID: 53434		RunNo: 70102							
Prep Date: 6/30/2020	Analysis Date: 7/3/2020		SeqNo: 2435865	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	0.51		0.5000		102	70	130			
Surr: 4-Bromofluorobenzene	0.46		0.5000		91.1	70	130			
Surr: Dibromofluoromethane	0.50		0.5000		99.9	70	130			
Surr: Toluene-d8	0.50		0.5000		100	70	130			

Sample ID: lcs-53434	SampType: LCS4		TestCode: EPA Method 8260B: Volatiles Short List							
Client ID: BatchQC	Batch ID: 53434		RunNo: 70102							
Prep Date: 6/30/2020	Analysis Date: 7/3/2020		SeqNo: 2435867	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	113	80	120			
Toluene	1.1	0.050	1.000	0	107	80	120			
Ethylbenzene	1.1	0.050	1.000	0	108	80	120			
Xylenes, Total	3.2	0.10	3.000	0	108	80	120			
Surr: 1,2-Dichloroethane-d4	0.52		0.5000		103	70	130			
Surr: 4-Bromofluorobenzene	0.45		0.5000		89.6	70	130			
Surr: Dibromofluoromethane	0.50		0.5000		101	70	130			
Surr: Toluene-d8	0.50		0.5000		101	70	130			

Qualifiers:

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

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: 2006F22

13-Jul-20

Client: Pima Environmental Services LLC

Project: Aquila 22 Fed com 1H

Sample ID: 2006f22-018ams	SampType: MS4	TestCode: EPA Method 8260B: Volatiles Short List								
Client ID: S-9, 1'	Batch ID: 53434	RunNo: 70102								
Prep Date: 6/30/2020	Analysis Date: 7/4/2020	SeqNo: 2435870	Units: mg/Kg							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	1.1	0.025	0.9960	0	115	71.1	115			S
Toluene	1.1	0.050	0.9960	0	108	79.6	132			
Ethylbenzene	1.1	0.050	0.9960	0	110	83.8	134			
Xylenes, Total	3.3	0.10	2.988	0	110	82.4	132			
Surr: 1,2-Dichloroethane-d4	0.52		0.4980		103	70	130			
Surr: 4-Bromofluorobenzene	0.43		0.4980		87.0	70	130			
Surr: Dibromofluoromethane	0.52		0.4980		104	70	130			
Surr: Toluene-d8	0.50		0.4980		101	70	130			

Sample ID: 2006f22-018amsd	SampType: MSD4	TestCode: EPA Method 8260B: Volatiles Short List								
Client ID: S-9, 1'	Batch ID: 53434	RunNo: 70102								
Prep Date: 6/30/2020	Analysis Date: 7/4/2020	SeqNo: 2435871	Units: mg/Kg							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	1.1	0.025	0.9862	0	112	71.1	115	3.55	20	
Toluene	1.0	0.049	0.9862	0	106	79.6	132	2.58	20	
Ethylbenzene	1.1	0.049	0.9862	0	107	83.8	134	2.97	20	
Xylenes, Total	3.2	0.099	2.959	0	109	82.4	132	2.23	20	
Surr: 1,2-Dichloroethane-d4	0.50		0.4931		101	70	130	0	0	
Surr: 4-Bromofluorobenzene	0.43		0.4931		86.3	70	130	0	0	
Surr: Dibromofluoromethane	0.50		0.4931		101	70	130	0	0	
Surr: Toluene-d8	0.49		0.4931		98.7	70	130	0	0	

Qualifiers:

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

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: 2006F22

13-Jul-20

Client: Pima Environmental Services LLC

Project: Aquila 22 Fed com 1H

Sample ID: mb-53429	SampType: MBLK	TestCode: EPA Method 8015D Mod: Gasoline Range								
Client ID: PBS	Batch ID: 53429	RunNo: 70086								
Prep Date: 6/30/2020	Analysis Date: 7/3/2020	SeqNo: 2435232	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	490		500.0		99.0	70	130			

Sample ID: ics-53429	SampType: LCS	TestCode: EPA Method 8015D Mod: Gasoline Range								
Client ID: LCSS	Batch ID: 53429	RunNo: 70086								
Prep Date: 6/30/2020	Analysis Date: 7/2/2020	SeqNo: 2435233	Units: mg/Kg							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	23	5.0	25.00	0	93.0	70	130			
Surr: BFB	490		500.0		98.2	70	130			

Sample ID: mb-53434	SampType: MBLK	TestCode: EPA Method 8015D Mod: Gasoline Range								
Client ID: PBS	Batch ID: 53434	RunNo: 70102								
Prep Date: 6/30/2020	Analysis Date: 7/3/2020	SeqNo: 2435940	Units: mg/Kg							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	ND	5.0								
Surr: BFB	500		500.0		99.8	70	130			

Sample ID: ics-53434	SampType: LCS	TestCode: EPA Method 8015D Mod: Gasoline Range								
Client ID: LCSS	Batch ID: 53434	RunNo: 70102								
Prep Date: 6/30/2020	Analysis Date: 7/3/2020	SeqNo: 2435941	Units: mg/Kg							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	22	5.0	25.00	0	90.0	70	130			
Surr: BFB	510		500.0		102	70	130			

Sample ID: 2006f22-019ams	SampType: MS	TestCode: EPA Method 8015D Mod: Gasoline Range								
Client ID: S-9, 2'	Batch ID: 53434	RunNo: 70102								
Prep Date: 6/30/2020	Analysis Date: 7/4/2020	SeqNo: 2435944	Units: mg/Kg							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	20	5.0	24.98	0	79.2	70	130			
Surr: BFB	480		499.5		96.2	70	130			

Sample ID: 2006f22-019amsd	SampType: MSD	TestCode: EPA Method 8015D Mod: Gasoline Range								
Client ID: S-9, 2'	Batch ID: 53434	RunNo: 70102								
Prep Date: 6/30/2020	Analysis Date: 7/4/2020	SeqNo: 2435945	Units: mg/Kg							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual

Qualifiers:

- * Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quantitative Limit
- S % Recovery outside of range due to dilution or matrix

- B Analyte detected in the associated Method Blank
- E Value above quantitation range
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: 2006F22

13-Jul-20

Client: Pima Environmental Services LLC

Project: Aquila 22 Fed com 1H

Sample ID: 2006f22-019amsd	SampType: MSD	TestCode: EPA Method 8015D Mod: Gasoline Range								
Client ID: S-9, 2'	Batch ID: 53434	RunNo: 70102								
Prep Date: 6/30/2020	Analysis Date: 7/4/2020	SeqNo: 2435945	Units: mg/Kg							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	20	5.0	24.88	0	81.2	70	130	2.10	20	
Surr: BFB	510		497.5		102	70	130	0	0	

Qualifiers:

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



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

Sample Log-In Check List

Client Name: Pima Environmental Services LLC Work Order Number: 2006F22 RcptNo: 1

Received By: **Scott Anderson** 6/30/2020 8:55:00 AM

Completed By: **Juan Rojas** 6/30/2020 10:23:02 AM

Reviewed By: *SDA 6.30.20 11:55*

Juan Rojas

Chain of Custody

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

Log In

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

JO

of preserved bottles checked for pH: 6/30/20
 (<2 or >12 unless noted)

Adjusted? _____

Checked by: _____

Special Handling (if applicable)

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

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

16. Additional remarks:

Cooler Information

Cooler No	Temp °C	Condition	Seal Intact	Seal No	Seal Date	Signed By
1	4.9	Good				
2	8.6	Good				
3	4.4	Good				

Chain-of-Custody Record

Client: Pima Environmental

Mailing Address: 1601 N. Turner Ste 500
Hobbs, New Mexico 88240

Phone #: 575-631-6977

email or Fax#: Chris@pimaenv.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: Aquila 22 Fed Com 1H
Antares of 7/2/2020

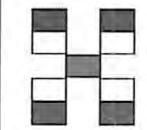
Project #: 8

Project Manager: Chris Jones

Sampler: Robert Capen
On Ice: Yes No

of Coolers: 3
Cooler Temp (including CF): 4.9 - 0 = 4.9 (°C)

Date	Time	Matrix	Sample Name	Container Type and #	Preservative Type	HEAL No.
4/26/20	9:00		S-5, 0"-6"	Glass	ICE	-001
	9:02		S-5, 1'			-002
	9:04		S-5, 2'			-003
	9:06		S-5, 3'			-004
	9:08		S-6, 0"-6"			-005
	9:10		S-6, 1'			-006
	9:12		S-6, 2'			-007
	9:14		S-6, 3'			-008
	9:16		S-7, 0"-6"			-009
	9:18		S-7, 1'			-010
	9:20		S-7, 2'			-011
	9:22		S-7, 3'			-012



HALL ENVIRONMENTAL ANALYSIS LABORATORY

www.hallenvironmental.com

4901 Hawkins NE - Albuquerque, NM 87109

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

Analysis Request

BTEX / MTBE / 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)
X	X								Chloride

Date: 4/26/20 Time: 12:00 Relinquished by: Robert Capen

Received by: Ummir Via: _____ Date: 4/26/20 Time: 1415

Remarks:

Date: 6/29/20 Time: 1940 Relinquished by: [Signature]

Received by: SPA Covier Via: _____ Date: 6.30.20 Time: 8:55

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

Chain-of-Custody Record

Client: Pima Environmental

Mailing Address: 1601 N. Turner Ste, 500

Hobbs, NM 88240

Phone #: 575-631-6977

email or Fax#: Chris @ pimaemail.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

Project #: 8

Project Manager: Chris Jones

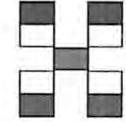
Sampler: Robert Cooper
 On Ice: Yes No

of Coolers: 3 49 49

Cooler Temp (including CF): 8.6 -> 0 = 8.0 (°C)
4.7 4.7

Date	Time	Matrix	Sample Name	Container Type and #	Preservative Type	HEAL No.
6/20/20	9:24		S-8, 0"-6"	Glass	Ice	-013
	9:26		S-8, 1'			-014
	9:28		S-8, 2'			-015
	9:30		S-8, 3'			-016
	9:32		S-9, 0"-6"			-017
	9:34		S-9, 1'			-018
	9:36		S-9, 2'			-019
	9:38		S-9, 3'			-020
	9:40		S-10, 0"-6"			-021
	9:42		S-10, 1'			-022
	9:44		S-10, 2'			-023
	9:46		S-10, 3'			-024

Analysis Request											
BTEX / MTBE / TMB's (8021)	TPH:8015D(GRO / DRO / MRO)	8081 Pesticides/8082 PCB's	EDB (Method 504.1)	PAHs by 8310 or 8270SIMS	RCRA 8 Metals	Cl, F, Br, NO ₃ , NO ₂ , PO ₄ , SO ₄	8260 (VOA)	8270 (Semi-VOA)	Total Coliform (Present/Absent)		
									Chloride		



HALL ENVIRONMENTAL ANALYSIS LABORATORY

www.hallenvironmental.com

4901 Hawkins NE - Albuquerque, NM 87109

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

Date: 6/20/20 Time: 12:00 Relinquished by: Felt

Received by: Summings Via: _____ Date: 6/29/20 Time: 14:15

Remarks:

Date: 6/29/20 Time: 19:10 Relinquished by: [Signature]

Received by: SPA courier Via: _____ Date: 6/30/20 Time: 8:55

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

Chain-of-Custody Record

Client: Pima Environmental

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

Phone #: 575-631-6977

email or Fax#: Chris@pima-oil.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

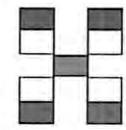
Project #: 8

Project Manager: Chris Jones

Sampler: Robert Cooper
 On Ice: Yes No

of Coolers: 3 + 3 + 4 = 10
 Cooler Temp (including CF): 80 - 0 = 80 (°C)

Date	Time	Matrix	Sample Name	Container Type and #	Preservative Type	HEAL No.
6/20/20	9:48		BG-1	Glass	FCC	-025
	9:50		BG-2			-026
	9:52		BG-3			-027
	9:54		S-1-C-S			-028
	9:56		S-2-C-W			-029
	9:58		S-3-C-N			-030
	10:00		S-4-C-E			-031
	10:02		B-1, 0-2'			-032
	10:04		B-2, 0-1'			-033
	10:06		B-2, 4'			-034



HALL ENVIRONMENTAL ANALYSIS LABORATORY

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

Analysis Request											
BTEX / MTBE / TMB's (8021)	TPH:8015D(GRO / DRO / MRO)	8081 Pesticides/8082 PCB's	EDB (Method 504.1)	PAHs by 8310 or 8270SIMS	RCRA 8 Metals	Cl, F, Br, NO ₃ , NO ₂ , PO ₄ , SO ₄	8260 (VOA)	8270 (Semi-VOA)	Total Coliform (Present/Absent)	Chloride	
X	X										

Date: 9/29/20 Time: 12:00 Relinquished by: [Signature]
 Received by: Accumings Via: Chakowski Date: 6/29/20 Time: 8:55

Remarks: SPA Courier 6:30-20 8:55

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.



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

April 05, 2021

Tom Bynum

Pima Environmental Services LLC

1601 N. Turner Ste 500

Hobbs, NM 88240

TEL: (575) 631-6977

FAX:

RE: Aquila 22 Fed Com 1H

OrderNo.: 2103D40

Dear Tom Bynum:

Hall Environmental Analysis Laboratory received 4 sample(s) on 3/30/2021 for the analyses presented in the following report.

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

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

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

Sincerely,

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

Andy Freeman

Laboratory Manager

4901 Hawkins NE

Albuquerque, NM 87109

Analytical Report

Lab Order **2103D40**

Date Reported: **4/5/2021**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Pima Environmental Services LLC

Client Sample ID: S-1

Project: Aquila 22 Fed Com 1H

Collection Date: 3/24/2021 11:00:00 AM

Lab ID: 2103D40-001

Matrix: SOIL

Received Date: 3/30/2021 7:35:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: mb
Diesel Range Organics (DRO)	ND	9.8		mg/Kg	1	4/2/2021 9:14:08 PM
Motor Oil Range Organics (MRO)	60	49		mg/Kg	1	4/2/2021 9:14:08 PM
Surr: DNOP	82.1	70-130		%Rec	1	4/2/2021 9:14:08 PM
EPA METHOD 8015D: GASOLINE RANGE						Analyst: NSB
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	4/4/2021 7:39:14 PM
Surr: BFB	99.5	70-130		%Rec	1	4/4/2021 7:39:14 PM
EPA METHOD 300.0: ANIONS						Analyst: VP
Chloride	110	60		mg/Kg	20	4/4/2021 11:57:22 AM

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

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

Analytical Report

Lab Order **2103D40**

Date Reported: **4/5/2021**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Pima Environmental Services LLC

Client Sample ID: S-2

Project: Aquila 22 Fed Com 1H

Collection Date: 3/24/2021 11:05:00 AM

Lab ID: 2103D40-002

Matrix: SOIL

Received Date: 3/30/2021 7:35:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: mb
Diesel Range Organics (DRO)	ND	9.4		mg/Kg	1	4/2/2021 7:53:49 PM
Motor Oil Range Organics (MRO)	ND	47		mg/Kg	1	4/2/2021 7:53:49 PM
Surr: DNOP	81.4	70-130		%Rec	1	4/2/2021 7:53:49 PM
EPA METHOD 8015D: GASOLINE RANGE						Analyst: NSB
Gasoline Range Organics (GRO)	ND	4.8		mg/Kg	1	4/4/2021 8:02:41 PM
Surr: BFB	101	70-130		%Rec	1	4/4/2021 8:02:41 PM
EPA METHOD 300.0: ANIONS						Analyst: VP
Chloride	ND	60		mg/Kg	20	4/4/2021 12:09:46 PM

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

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

Analytical Report

Lab Order **2103D40**

Date Reported: **4/5/2021**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Pima Environmental Services LLC

Client Sample ID: BG-1

Project: Aquila 22 Fed Com 1H

Collection Date: 3/24/2021 11:10:00 AM

Lab ID: 2103D40-003

Matrix: SOIL

Received Date: 3/30/2021 7:35:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: mb
Diesel Range Organics (DRO)	ND	9.0		mg/Kg	1	4/2/2021 5:54:36 PM
Motor Oil Range Organics (MRO)	ND	45		mg/Kg	1	4/2/2021 5:54:36 PM
Surr: DNOP	90.2	70-130		%Rec	1	4/2/2021 5:54:36 PM
EPA METHOD 8015D: GASOLINE RANGE						Analyst: NSB
Gasoline Range Organics (GRO)	ND	24		mg/Kg	5	4/4/2021 8:26:14 PM
Surr: BFB	99.8	70-130		%Rec	5	4/4/2021 8:26:14 PM
EPA METHOD 300.0: ANIONS						Analyst: VP
Chloride	ND	60		mg/Kg	20	4/4/2021 12:22:10 PM

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

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

Analytical Report

Lab Order **2103D40**

Date Reported: **4/5/2021**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Pima Environmental Services LLC

Client Sample ID: BG-2

Project: Aquila 22 Fed Com 1H

Collection Date: 3/24/2021 11:15:00 AM

Lab ID: 2103D40-004

Matrix: SOIL

Received Date: 3/30/2021 7:35:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: mb
Diesel Range Organics (DRO)	ND	9.6		mg/Kg	1	4/2/2021 6:07:39 PM
Motor Oil Range Organics (MRO)	ND	48		mg/Kg	1	4/2/2021 6:07:39 PM
Surr: DNOP	90.8	70-130		%Rec	1	4/2/2021 6:07:39 PM
EPA METHOD 8015D: GASOLINE RANGE						Analyst: NSB
Gasoline Range Organics (GRO)	ND	25		mg/Kg	5	4/4/2021 8:50:00 PM
Surr: BFB	98.7	70-130		%Rec	5	4/4/2021 8:50:00 PM
EPA METHOD 300.0: ANIONS						Analyst: VP
Chloride	ND	60		mg/Kg	20	4/4/2021 12:34:36 PM

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

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

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: 2103D40

05-Apr-21

Client: Pima Environmental Services LLC

Project: Aquila 22 Fed Com 1H

Sample ID: MB-59192	SampType: MBLK	TestCode: EPA Method 300.0: Anions								
Client ID: PBS	Batch ID: 59192	RunNo: 76440								
Prep Date: 4/4/2021	Analysis Date: 4/4/2021	SeqNo: 2707615	Units: mg/Kg							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	ND	1.5								

Sample ID: LCS-59192	SampType: LCS	TestCode: EPA Method 300.0: Anions								
Client ID: LCSS	Batch ID: 59192	RunNo: 76440								
Prep Date: 4/4/2021	Analysis Date: 4/4/2021	SeqNo: 2707616	Units: mg/Kg							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	14	1.5	15.00	0	94.3	90	110			

Qualifiers:

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

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: 2103D40

05-Apr-21

Client: Pima Environmental Services LLC

Project: Aquila 22 Fed Com 1H

Sample ID: MB-59133	SampType: MBLK	TestCode: EPA Method 8015M/D: Diesel Range Organics								
Client ID: PBS	Batch ID: 59133	RunNo: 76411								
Prep Date: 4/1/2021	Analysis Date: 4/2/2021	SeqNo: 2707609	Units: mg/Kg							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	ND	10								
Motor Oil Range Organics (MRO)	ND	50								
Surr: DNOP	9.6		10.00		95.8	70	130			

Sample ID: LCS-59133	SampType: LCS	TestCode: EPA Method 8015M/D: Diesel Range Organics								
Client ID: LCSS	Batch ID: 59133	RunNo: 76411								
Prep Date: 4/1/2021	Analysis Date: 4/2/2021	SeqNo: 2707610	Units: mg/Kg							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	53	10	50.00	0	106	68.9	141			
Surr: DNOP	4.7		5.000		94.6	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 Quantitative Limit | RL Reporting Limit |
| S % Recovery outside of range due to dilution or matrix | |

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: 2103D40

05-Apr-21

Client: Pima Environmental Services LLC

Project: Aquila 22 Fed Com 1H

Sample ID: mb-59076	SampType: MBLK		TestCode: EPA Method 8015D: Gasoline Range							
Client ID: PBS	Batch ID: 59076		RunNo: 76428							
Prep Date: 3/30/2021	Analysis Date: 4/3/2021		SeqNo: 2707085		Units: %Rec					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: BFB	990		1000		99.3	70	130			

Sample ID: ics-59076	SampType: LCS		TestCode: EPA Method 8015D: Gasoline Range							
Client ID: LCSS	Batch ID: 59076		RunNo: 76428							
Prep Date: 3/30/2021	Analysis Date: 4/3/2021		SeqNo: 2707086		Units: %Rec					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: BFB	1100		1000		111	70	130			

Sample ID: mb-59086	SampType: MBLK		TestCode: EPA Method 8015D: Gasoline Range							
Client ID: PBS	Batch ID: 59086		RunNo: 76428							
Prep Date: 3/30/2021	Analysis Date: 4/3/2021		SeqNo: 2707109		Units: %Rec					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: BFB	1000		1000		101	70	130			

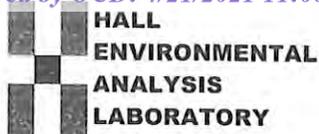
Sample ID: ics-59086	SampType: LCS		TestCode: EPA Method 8015D: Gasoline Range							
Client ID: LCSS	Batch ID: 59086		RunNo: 76428							
Prep Date: 3/30/2021	Analysis Date: 4/3/2021		SeqNo: 2707110		Units: %Rec					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: BFB	1100		1000		110	70	130			

Sample ID: mb-59093	SampType: MBLK		TestCode: EPA Method 8015D: Gasoline Range							
Client ID: PBS	Batch ID: 59093		RunNo: 76428							
Prep Date: 3/31/2021	Analysis Date: 4/4/2021		SeqNo: 2707133		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		99.6	70	130			

Sample ID: ics-59093	SampType: LCS		TestCode: EPA Method 8015D: Gasoline Range							
Client ID: LCSS	Batch ID: 59093		RunNo: 76428							
Prep Date: 3/31/2021	Analysis Date: 4/4/2021		SeqNo: 2707134		Units: mg/Kg					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	24	5.0	25.00	0	97.6	78.6	131			
Surr: BFB	1100		1000		110	70	130			

Qualifiers:

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



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

Sample Log-In Check List

Client Name: Pima Environmental Services LLC Work Order Number: 2103D40 RcptNo: 1

Received By: Juan Rojas 3/30/2021 7:35:00 AM
Completed By: Sean Livingston 3/30/2021 8:37:51 AM
Reviewed By: JR 3/30/21

Chain of Custody

- 1. Is Chain of Custody complete? Yes [checked] No [] Not Present []
2. How was the sample delivered? Courier

Log In

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

of preserved bottles checked for pH: 3/30/21
(<2 or >12 unless noted)
Adjusted?
Checked by:

Special Handling (if applicable)

- 15. Was client notified of all discrepancies with this order? Yes [] No [] NA [checked]

Person Notified:
By Whom:
Regarding:
Client Instructions:
Date:
Via: [] eMail [] Phone [] Fax [] In Person

16. Additional remarks:

17. Cooler Information

Table with 7 columns: Cooler No, Temp °C, Condition, Seal Intact, Seal No, Seal Date, Signed By. Contains 3 rows of data.

Chain-of-Custody Record

Turn-Around Time: 5 day

Standard Rush

Client: Pima Environmental

Project Name: Aquila 22 Fed Com 1H

Mailing Address: 1601 N. Turner Ste 500
Albuquerque NM 87102

Project #: WBS 20715696

Phone #: 575-964-7740

Project Manager: Tom Bynum

email or Fax#: Tom @ PimaOil.com

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

Accreditation: Az Compliance
 NELAC Other _____

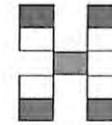
EDD (Type) _____

Sampler: _____

On Ice: Yes No

of Coolers: 3

Cooler Temp (including CF): See Remarks (°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.	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)				
3/24/21	11:00		S-1	Glass	Ice	001	X	X									X			
3/24/21	11:05		S-2	Glass	Ice	002	X	X									X			
3/24/21	11:00		BG-1	Glass	Ice	003	X	X									X			
3/24/21	11:15		BG-2	Glass	Ice	004	X	X									X			

Date: <u>3/21/21</u>	Time: <u>1900</u>	Relinquished by: <u>[Signature]</u>	Received by: <u>[Signature]</u>	Via: _____	Date: <u>3/24/21</u>	Time: <u>1400</u>	Remarks: <u>Bill TO 1</u> <u>1.2-0=1.2</u> <u>0.5-0=0.5</u> <u>0.9-0=0.9</u>
Date: <u>3/29/21</u>	Time: <u>1900</u>	Relinquished by: <u>[Signature]</u>	Received by: <u>[Signature]</u>	Via: _____	Date: <u>3/30/21</u>	Time: <u>7:30</u>	

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.

District I
 1625 N. French Dr., Hobbs, NM 88240
 Phone:(575) 393-6161 Fax:(575) 393-0720

District II
 811 S. First St., Artesia, NM 88210
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District III
 1000 Rio Brazos Rd., Aztec, NM 87410
 Phone:(505) 334-6178 Fax:(505) 334-6170

District IV
 1220 S. St Francis Dr., Santa Fe, NM 87505
 Phone:(505) 476-3470 Fax:(505) 476-3462

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

CONDITIONS
 Action 24960

CONDITIONS

Operator: Pima Environmental Services, LLC 1601 N. Turner Hobbs, NM 88240	OGRID: 329999
	Action Number: 24960
	Action Type: [C-141] Release Corrective Action (C-141)

CONDITIONS

Created By	Condition	Condition Date
chensley	None	6/16/2021