



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

August 11, 2020

NMOCD District 2
Mr. Bradford Billings
811 S. First Street
Artesia, NM 88210

**Re: Work Plan Report
Jasper 32 St Com #7H
API No. 30-015-40584
GPS: Latitude 32.6235924 Longitude -104.0945587
UL "B", Sec. 32, T19S, R29E
Eddy County, NM
NMOCD Ref. No. 2RP-5370**

Dear Mr. Billings,

Pima Environmental Services, LLC (Pima) has been contracted by Devon Energy Production Company (Devon) to perform a spill assessment and to submit a work plan for approved remediation activities on the open releases that occurred at the Jasper 32 St Com #7H (Jasper 7). The current open spill at this site is 2RP-5370 release, the initial C-141 was submitted on 9-20-2018 and was assigned Incident ID NAB1911934844, by the New Mexico Oil Conservation Division (NMOCD).

See Appendix C for Initial C-141.

Site Characterization

The Jasper 7 is located approximately sixteen (16) miles northeast of Carlsbad, NM. This spill site is in Unit B, Section 32, Township 19S, Range 29E, Latitude 32.6235924, Longitude -104.0945587, 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 Piedmont alluvial deposits (Holocene to lower Pleistocene)-includes deposits of higher gradient tributaries bordering major stream valleys, alluvial veneers of the piedmont slope, and alluvial fans. May locally include uppermost Pliocene deposits (QP). The soil in this area is made up of Reagan loam, saline, 0 to 1 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 high potential for karst geology to be present in the area of Jasper 7 (Figure 3).

According to the New Mexico Office of the State Engineer, depth to the nearest groundwater in this area is 75 feet below grade surface (BGS). According to the United States Geological Survey (USGS), the depth to groundwater is 76 feet below grade surface (BGS). The nearest surface water is located greater than 5 miles to the southeast. 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
75'	10,000 mg/kg	2,500 mg/kg	1,000 mg/kg	50 mg/kg	10 mg/kg
<50	600 mg/kg	100 mg/kg	100 mg/kg	50 mg/kg	10mg/kg
If the release occurred within any of the following areas, the responsible party would treat the release as if the groundwater was less than 50 feet per Rule 19.15.29					
Water Issues				Yes	No
Within 300 feet of any continuously flowing watercourse or any other significant watercourse					x
Within 200 feet of any lakebed, sinkhole or playa lake (measures from the ordinary high-water mark)					x
Within 300 feet from an occupied permanent residence, school, hospital, institution or church					x
Within 500 feet of a spring or a private, domestic freshwater well used by less than five households for domestic or stock water purposes					x
Within 1000 feet of any freshwater well or spring					x
Within incorporated municipal boundaries or within a defined municipal freshwater well field					x
Within 300 feet of a wetlands					x
Within the area overlying a subsurface mine					x
Within an unstable area (Karst)				x	
Within a 100-year floodplain					x

Reference Figure 2 for a TOPO Map.

Release Information

2RP-5370: On September 17, 2018, the handle on the ball valve coming off the well head failed. The valve didn't have a plug and resulted in a release of fluids. The released fluids were calculated to be approximately 67.7 barrels (bbls) of produced water. A vac truck was dispatched and was able to recover 50 bbls of produced water.

Site Assessment and Soil Sampling Results

On July 15, 2020, Pima Environmental mobilized to the site to conduct a site assessment and obtain soil samples with a hand auger to depths of hard rock refusal. Upon first look, there were some visual staining from the release. We followed the spill path and details from the incident to track the path of the spill and sampled accordingly to obtain data. Background samples were also obtained to define horizontal extend outside the footprint of the spill. The laboratory results of this sampling event can be found in the following data table.

7-15-20 Soil Sample Results

NMOCD Table 1 Closure Criteria 19.15.29 NMAC (Depth to Groundwater is 51-100')								
Sample Date 7-15-20		NM Approved Laboratory Results						
Sample ID	Depth (BGS)	BTEX mg/kg	Benzene mg/kg	GRO mg/kg	DRO mg/kg	MRO mg/kg	Total TPH mg/kg	Cl mg/kg
BG-1	0	ND	ND	ND	ND	ND	ND	ND
BG-2	0	ND	ND	ND	ND	ND	ND	ND
BG-3	0	ND	ND	ND	ND	ND	ND	ND
S-1	0-6"	ND	ND	ND	ND	ND	ND	580
S-2	0-6"	ND	ND	ND	ND	ND	ND	160
S-3	0-6"	ND	ND	ND	ND	ND	ND	81
S-4	0-6"	ND	ND	ND	ND	ND	ND	ND
S-5	0-6"	ND	ND	ND	16	ND	16	6100
S-6	0-6"	ND	ND	ND	11	ND	11	11000
	1	ND	ND	ND	ND	ND	ND	4100
	2	ND	ND	ND	ND	ND	ND	2300
S-7	0-6"	ND	ND	ND	12	ND	12	1000
S-8	0-6"	ND	ND	ND	ND	ND	ND	23000
	1	ND	ND	ND	ND	ND	ND	6700
	2	ND	ND	ND	ND	ND	ND	4300
S-9	0-6"	ND	ND	ND	2900	3000	5900	1900
S-10	0-6"	ND	ND	ND	ND	ND	ND	510
S-11	0-6"	ND	ND	ND	ND	ND	ND	ND
S-12	0-6"	ND	ND	ND	ND	ND	ND	ND
S-13	0-6"	ND	ND	ND	ND	ND	ND	450
S-14	0-6"	ND	ND	ND	ND	ND	ND	2400
	1	ND	ND	ND	ND	ND	ND	1300
	2	ND	ND	ND	ND	ND	ND	870
	3	ND	ND	ND	ND	ND	ND	410

ND- Analyte Not Detected

Complete Laboratory Reports are attached in Appendix D.

Proposed Site Remediation

Pima proposes that the contaminated areas from the releases and from our sampling event that exceed NMAC Closure Criteria be remediated through excavation and removal using mechanical equipment as. The areas in the vicinities of S-5, S-6, S-7, S-8, S-9 and S-14 will be excavated to a depth of 3-foot BGS. Five-point composite bottom and sidewall composite samples will be obtained to ensure that the vertical and horizontal extents of the contamination had been removed. Each composite sample will be representative of no more than 200 square feet. Laboratory analysis will include Method 8015 for TPH, including MRO, DRO, and GRO and Method SM-4500 for chlorides. Upon laboratory results showing all samples meet the required closure criteria, the excavation will be backfilled with locally obtained clean like material and contoured to match the surrounding location.

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

Respectfully,



Chris Jones
 Environmental Professional
 Pima Environmental Services, LLC

Attachments

Figures:

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

Appendices:

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



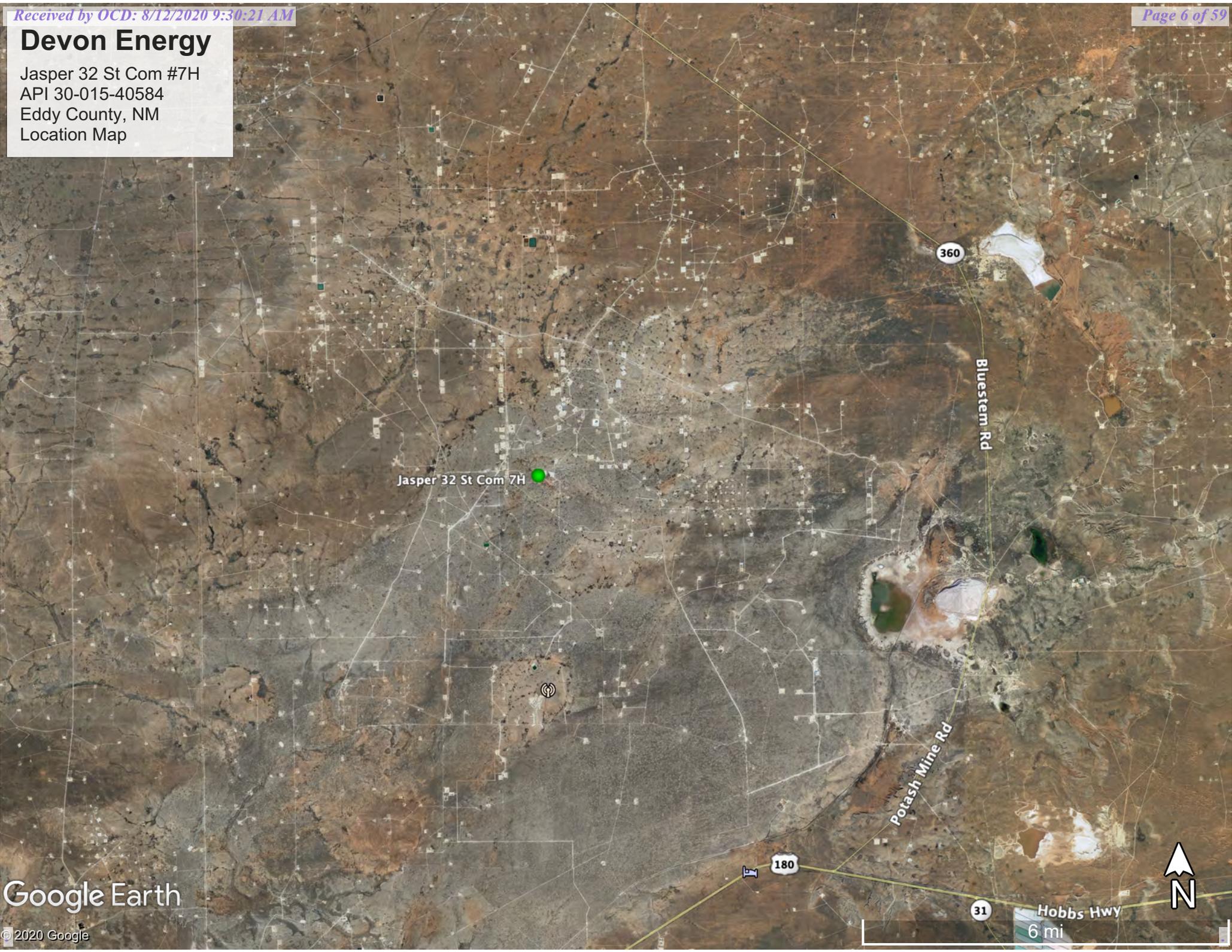
Pima Environmental Services

Figures:

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

Devon Energy

Jasper 32 St Com #7H
API 30-015-40584
Eddy County, NM
Location Map



Jasper 32 St Com 7H

360

Bluestem Rd

Potash Mine Rd

180

31

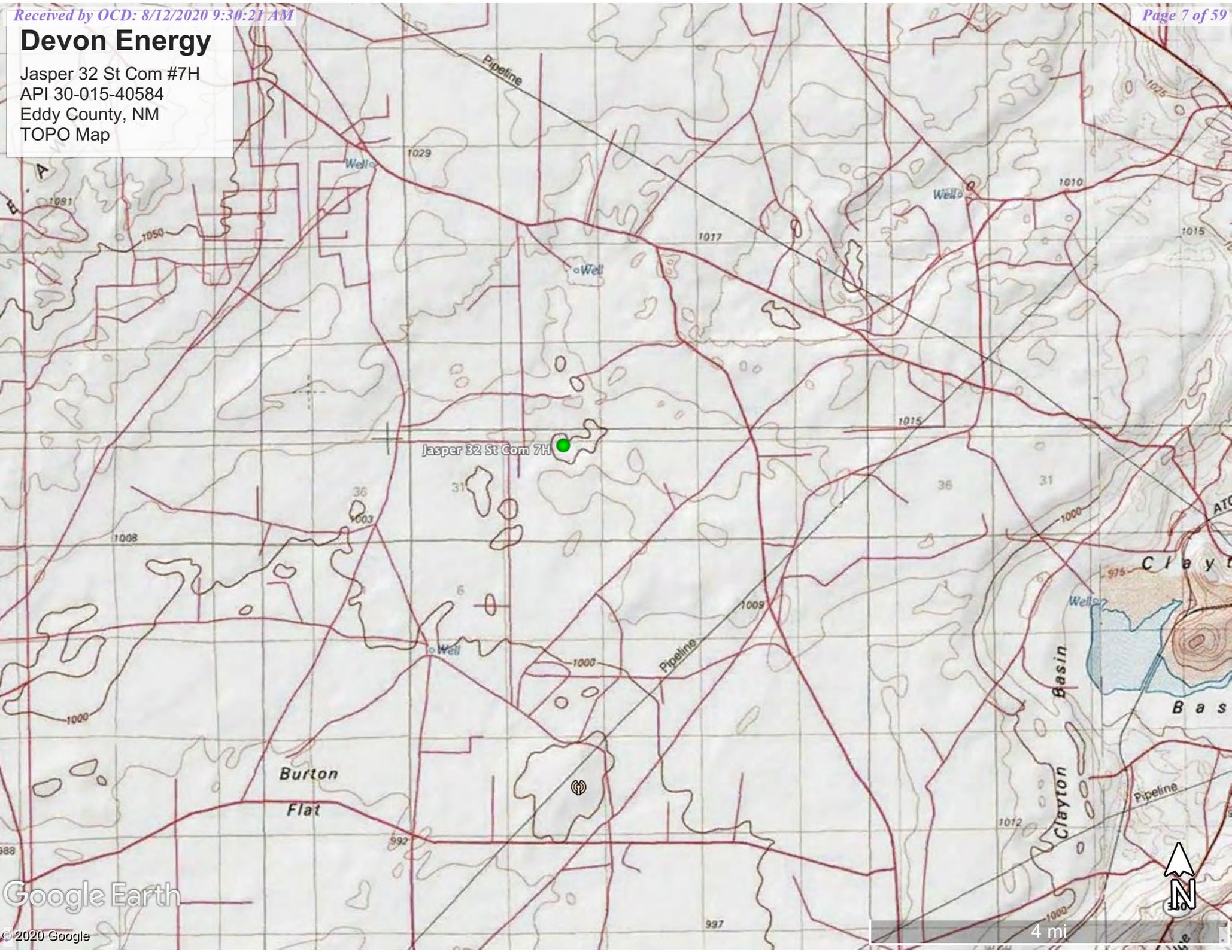
Hobbs Hwy

6 mi



Devon Energy

Jasper 32 St Com #7H
API 30-015-40584
Eddy County, NM
TOPO Map

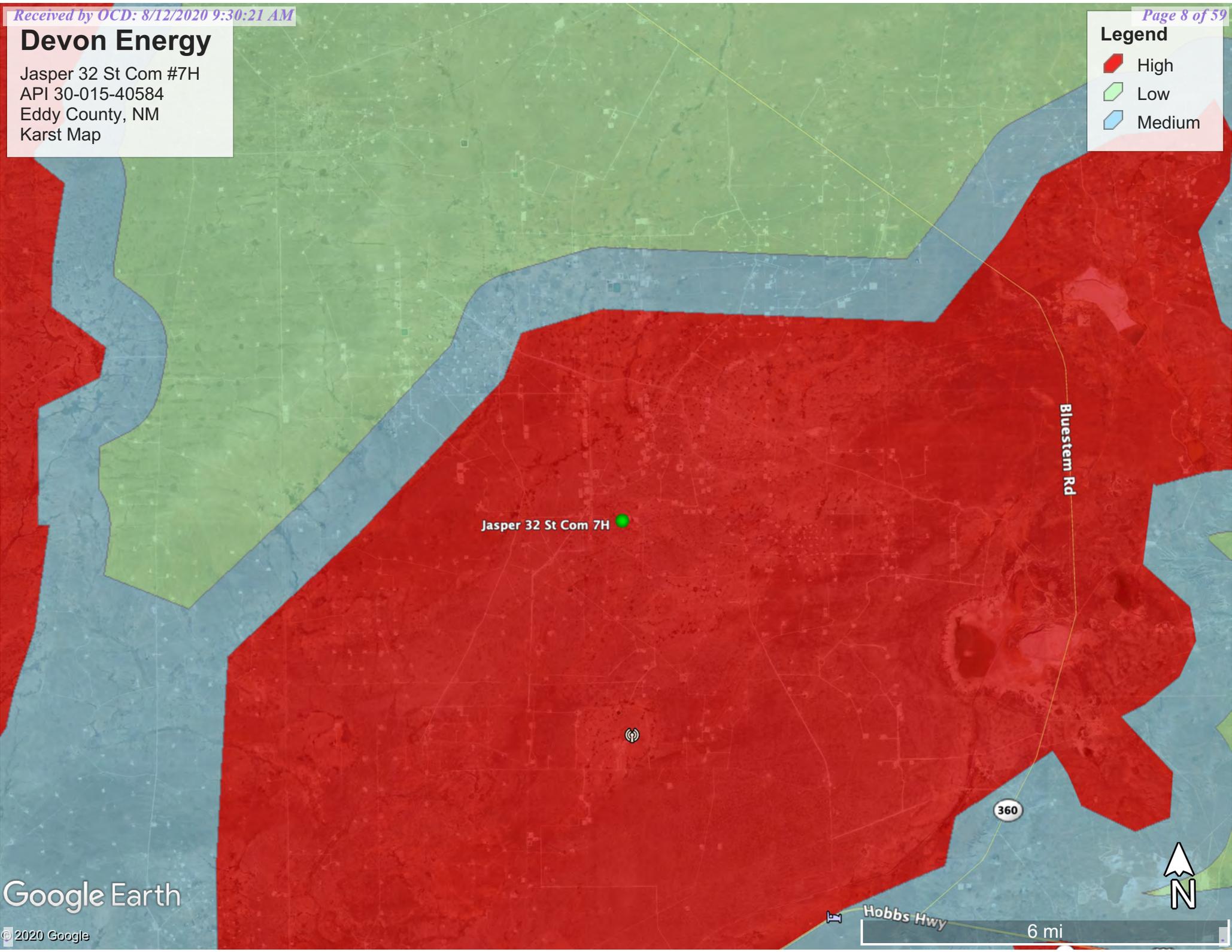


Devon Energy

Jasper 32 St Com #7H
API 30-015-40584
Eddy County, NM
Karst Map

Legend

- High
- Low
- Medium







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Appendix A
Water Surveys:
OSE
USGS



New Mexico Office of the State Engineer

Water Column/Average Depth to Water

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

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

(quarters are 1=NW 2=NE 3=SW 4=SE)

(quarters are smallest to largest)

(NAD83 UTM in meters)

(In feet)

POD Number	Code	POD Sub-basin	County	Q 64	Q 16	Q 4	Sec	Tws	Rng	X	Y	Distance	DepthWell	DepthWater	Water Column
CP 00830 POD1		CP	LE	2	1	04		20S	29E	586118	3608193*	2087	120		
CP 00681		CP	ED	1	1	3	34	19S	29E	587230	3609127*	2416			
CP 00743 POD1		CP	ED	2	4	05		20S	29E	585319	3607382*	2566	160		
CP 01231 POD1		CP	ED	4	4	2	36	19S	28E	582311	3609372	2694	300	75	225

Average Depth to Water: **75 feet**

Minimum Depth: **75 feet**

Maximum Depth: **75 feet**

Record Count: 4

UTMNAD83 Radius Search (in meters):

Easting (X): 584948.523

Northing (Y): 3609922

Radius: 3000

*UTM location was derived from PLSS - see Help

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



New Mexico Office of the State Engineer

Point of Diversion Summary

(quarters are 1=NW 2=NE 3=SW 4=SE)

(quarters are smallest to largest)

(NAD83 UTM in meters)

Well Tag	POD Number	Q64	Q16	Q4	Sec	Tws	Rng	X	Y
	CP 01231 POD1	4	4	2	36	19S	28E	582311	3609372

Driller License:	1654	Driller Company:	NOT WORKING FOR HIRE--SIRMAN DRILLING AND CONSTRUC
Driller Name:			

Drill Start Date:	10/21/2013	Drill Finish Date:	10/21/2013	Plug Date:	
Log File Date:	10/29/2013	PCW Rev Date:		Source:	Shallow
Pump Type:		Pipe Discharge Size:		Estimated Yield:	80 GPM
Casing Size:	8.00	Depth Well:	300 feet	Depth Water:	75 feet

Water Bearing Stratifications:	Top	Bottom	Description
	200	300	Limestone/Dolomite/Chalk

Casing Perforations:	Top	Bottom
	220	300

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.

7/15/20 12:46 PM

POINT OF DIVERSION SUMMARY

National Water Information System: Mapper

Help Info

Sites Map

Search

Surface-Water Sites

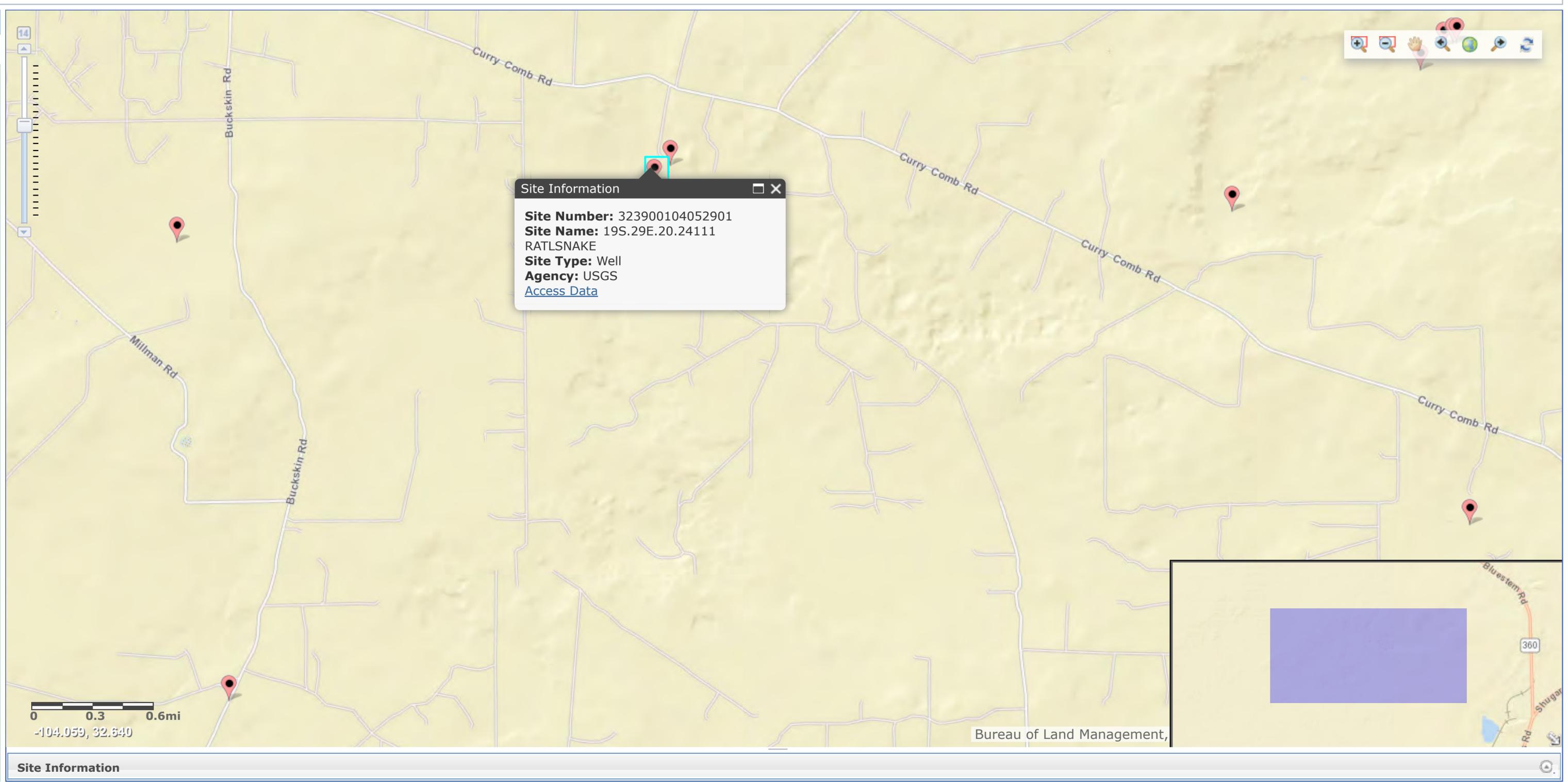
Groundwater Sites

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

Springs

Atmospheric Sites

Other Sites



Click to hide News Bulletins

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

Groundwater levels for the Nation

Search Results -- 1 sites found

site_no list =

- 323900104052901

Minimum number of levels = 1

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

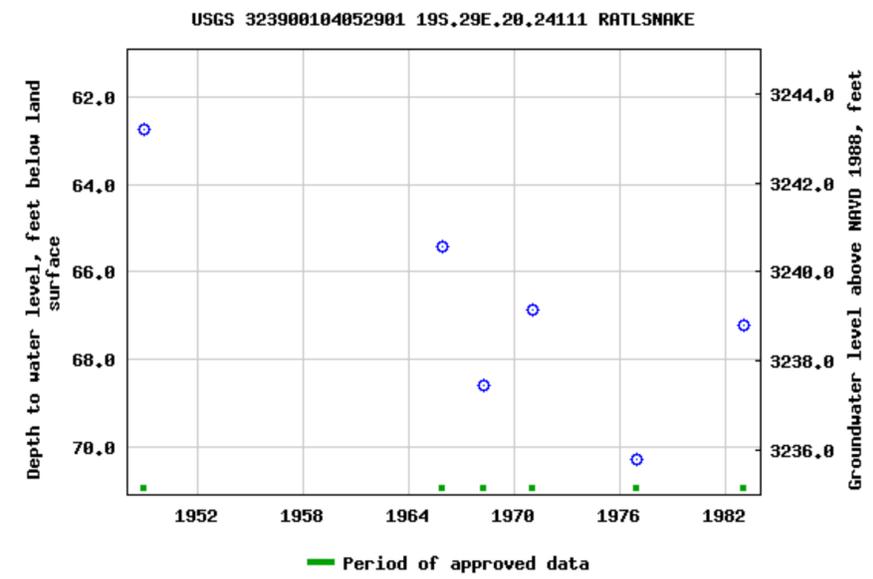
USGS 323900104052901 19S.29E.20.24111 RATLSNAKE

Available data for this site Groundwater: Field measurements GO

Eddy County, New Mexico
 Hydrologic Unit Code 13060011
 Latitude 32°39'00", Longitude 104°05'29" NAD27
 Land-surface elevation 3,306 feet above NAVD88
 This well is completed in the Rustler Formation (312RSLR) local aquifer.

Output formats

Table_of_data
Tab-separated_data
Graph_of_data
Reselect_period



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

[Questions about sites/data?](#)
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[Automated retrievals](#)
[Help](#)

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Appendix B
Soil Survey & Geological Data:
USDA

Map Unit Description: Reagan loam, saline, 0 to 1 percent slopes---Eddy Area, New Mexico

Eddy Area, New Mexico

Rf—Reagan loam, saline, 0 to 1 percent slopes

Map Unit Setting

National map unit symbol: 1w5n

Elevation: 2,150 to 5,300 feet

Mean annual precipitation: 10 to 17 inches

Mean annual air temperature: 57 to 70 degrees F

Frost-free period: 200 to 235 days

Farmland classification: Farmland of statewide importance

Map Unit Composition

Reagan and similar soils: 96 percent

Minor components: 4 percent

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

Description of Reagan

Setting

Landform: Alluvial fans, fan remnants

Landform position (three-dimensional): Rise

Down-slope shape: Linear, convex

Across-slope shape: Linear

Parent material: Alluvium and/or eolian deposits

Typical profile

H1 - 0 to 8 inches: loam

H2 - 8 to 60 inches: loam

Properties and qualities

Slope: 0 to 1 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: Slightly saline to strongly saline (4.0 to 16.0 mmhos/cm)

Sodium adsorption ratio, maximum in profile: 10.0

Available water storage in profile: Moderate (about 7.3 inches)

Interpretive groups

Land capability classification (irrigated): 3s

Land capability classification (nonirrigated): 7s

Hydrologic Soil Group: B

Ecological site: Loamy (R042XC007NM)

Map Unit Description: Reagan loam, saline, 0 to 1 percent slopes---Eddy Area, New Mexico

Hydric soil rating: No

Minor Components

Reeves

Percent of map unit: 1 percent

Ecological site: Loamy (R042XC007NM)

Hydric soil rating: No

Reagan nonsaline

Percent of map unit: 1 percent

Ecological site: Loamy (R042XC007NM)

Hydric soil rating: No

Reagan saline

Percent of map unit: 1 percent

Ecological site: Salt Flats (R042XC036NM)

Hydric soil rating: No

Gypsum land

Percent of map unit: 1 percent

Hydric soil rating: No

Data Source Information

Soil Survey Area: Eddy Area, New Mexico

Survey Area Data: Version 16, Jun 8, 2020



Pima Environmental Services

Appendix C
C-141's:
Initial

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 Department

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

Form C-141
Revised August 24, 2018
Submit to appropriate OCD District office

Incident ID	NAB1911934844
District RP	
Facility ID	
Application ID	

Release Notification

Responsible Party

Responsible Party	OGRID
Contact Name	Contact Telephone
Contact email	Incident # (assigned by OCD) NAB1911934844
Contact mailing address	

Location of Release Source

Latitude _____ Longitude _____
(NAD 83 in decimal degrees to 5 decimal places)

Site Name	Site Type
Date Release Discovered	API# (if applicable)

Unit Letter	Section	Township	Range	County

Surface Owner: State Federal Tribal Private (Name: _____)

Nature and Volume of Release

Material(s) Released (Select all that apply and attach calculations or specific justification for the volumes provided below)

<input type="checkbox"/> Crude Oil	Volume Released (bbls)	Volume Recovered (bbls)
<input type="checkbox"/> Produced Water	Volume Released (bbls)	Volume Recovered (bbls)
	Is the concentration of total dissolved solids (TDS) in the produced water >10,000 mg/l?	<input type="checkbox"/> Yes <input type="checkbox"/> No
<input type="checkbox"/> Condensate	Volume Released (bbls)	Volume Recovered (bbls)
<input type="checkbox"/> Natural Gas	Volume Released (Mcf)	Volume Recovered (Mcf)
<input type="checkbox"/> Other (describe)	Volume/Weight Released (provide units)	Volume/Weight Recovered (provide units)

Cause of Release

State of New Mexico
Oil Conservation Division

Page 2

Incident ID	NAB1911934844
District RP	
Facility ID	
Application ID	

Was this a major release as defined by 19.15.29.7(A) NMAC? <input type="checkbox"/> Yes <input type="checkbox"/> No	If YES, for what reason(s) does the responsible party consider this a major release?
If YES, was immediate notice given to the OCD? By whom? To whom? When and by what means (phone, email, etc)?	

Initial Response

The responsible party must undertake the following actions immediately unless they could create a safety hazard that would result in injury

<input type="checkbox"/> The source of the release has been stopped. <input type="checkbox"/> The impacted area has been secured to protect human health and the environment. <input type="checkbox"/> Released materials have been contained via the use of berms or dikes, absorbent pads, or other containment devices. <input type="checkbox"/> All free liquids and recoverable materials have been removed and managed appropriately.
If all the actions described above have <u>not</u> been undertaken, explain why:
Per 19.15.29.8 B. (4) NMAC the responsible party may commence remediation immediately after discovery of a release. If remediation has begun, please attach a narrative of actions to date. If remedial efforts have been successfully completed or if the release occurred within a lined containment area (see 19.15.29.11(A)(5)(a) NMAC), please attach all information needed for closure evaluation.
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: _____ Title: _____ Signature: <u>Kendra DeHoyos</u> Date: _____ email: _____ Telephone: _____
<u>OCD Only</u> Received by: <u>Anabela Beramante</u> Date: _____



Pima Environmental Services

Appendix D:
Laboratory Results



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

July 24, 2020

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

RE: Jasper 32 St Com 7H

OrderNo.: 2007898

Dear Chris Jones:

Hall Environmental Analysis Laboratory received 24 sample(s) on 7/17/2020 for the analyses presented in the following report.

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

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

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

Sincerely,

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

Andy Freeman
Laboratory Manager
4901 Hawkins NE
Albuquerque, NM 87109

Analytical Report

Lab Order 2007898

Date Reported: 7/24/2020

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Pima Environmental Services LLC

Client Sample ID: BG1

Project: Jasper 32 St Com 7H

Collection Date: 7/15/2020

Lab ID: 2007898-001

Matrix: SOIL

Received Date: 7/17/2020 11:10:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: BRM
Diesel Range Organics (DRO)	ND	9.3		mg/Kg	1	7/22/2020 5:05:27 PM
Motor Oil Range Organics (MRO)	ND	46		mg/Kg	1	7/22/2020 5:05:27 PM
Surr: DNOP	90.9	55.1-146		%Rec	1	7/22/2020 5:05:27 PM
EPA METHOD 8015D: GASOLINE RANGE						Analyst: NSB
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	7/20/2020 10:39:30 PM
Surr: BFB	84.6	66.6-105		%Rec	1	7/20/2020 10:39:30 PM
EPA METHOD 8021B: VOLATILES						Analyst: NSB
Benzene	ND	0.025		mg/Kg	1	7/20/2020 10:39:30 PM
Toluene	ND	0.049		mg/Kg	1	7/20/2020 10:39:30 PM
Ethylbenzene	ND	0.049		mg/Kg	1	7/20/2020 10:39:30 PM
Xylenes, Total	ND	0.098		mg/Kg	1	7/20/2020 10:39:30 PM
Surr: 4-Bromofluorobenzene	104	80-120		%Rec	1	7/20/2020 10:39:30 PM
EPA METHOD 300.0: ANIONS						Analyst: MRA
Chloride	ND	60		mg/Kg	20	7/21/2020 7:37:21 PM

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

Qualifiers:

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

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

Analytical Report

Lab Order 2007898

Date Reported: 7/24/2020

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Pima Environmental Services LLC

Client Sample ID: BG2

Project: Jasper 32 St Com 7H

Collection Date: 7/15/2020

Lab ID: 2007898-002

Matrix: SOIL

Received Date: 7/17/2020 11:10:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: BRM
Diesel Range Organics (DRO)	ND	9.3		mg/Kg	1	7/22/2020 5:35:16 PM
Motor Oil Range Organics (MRO)	ND	46		mg/Kg	1	7/22/2020 5:35:16 PM
Surr: DNOP	69.2	55.1-146		%Rec	1	7/22/2020 5:35:16 PM
EPA METHOD 8015D: GASOLINE RANGE						Analyst: NSB
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	7/20/2020 11:02:59 PM
Surr: BFB	86.3	66.6-105		%Rec	1	7/20/2020 11:02:59 PM
EPA METHOD 8021B: VOLATILES						Analyst: NSB
Benzene	ND	0.024		mg/Kg	1	7/20/2020 11:02:59 PM
Toluene	ND	0.049		mg/Kg	1	7/20/2020 11:02:59 PM
Ethylbenzene	ND	0.049		mg/Kg	1	7/20/2020 11:02:59 PM
Xylenes, Total	ND	0.098		mg/Kg	1	7/20/2020 11:02:59 PM
Surr: 4-Bromofluorobenzene	105	80-120		%Rec	1	7/20/2020 11:02:59 PM
EPA METHOD 300.0: ANIONS						Analyst: MRA
Chloride	ND	60		mg/Kg	20	7/21/2020 8:14:35 PM

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

Qualifiers:

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

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

Analytical Report

Lab Order **2007898**

Date Reported: **7/24/2020**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Pima Environmental Services LLC

Client Sample ID: BG3

Project: Jasper 32 St Com 7H

Collection Date: 7/15/2020

Lab ID: 2007898-003

Matrix: SOIL

Received Date: 7/17/2020 11:10:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: BRM
Diesel Range Organics (DRO)	ND	9.1		mg/Kg	1	7/22/2020 5:45:22 PM
Motor Oil Range Organics (MRO)	ND	45		mg/Kg	1	7/22/2020 5:45:22 PM
Surr: DNOP	79.1	55.1-146		%Rec	1	7/22/2020 5:45:22 PM
EPA METHOD 300.0: ANIONS						Analyst: MRA
Chloride	ND	60		mg/Kg	20	7/21/2020 8:26:59 PM
EPA METHOD 8260B: VOLATILES SHORT LIST						Analyst: JMR
Benzene	ND	0.025		mg/Kg	1	7/20/2020 2:51:56 PM
Toluene	ND	0.050		mg/Kg	1	7/20/2020 2:51:56 PM
Ethylbenzene	ND	0.050		mg/Kg	1	7/20/2020 2:51:56 PM
Xylenes, Total	ND	0.10		mg/Kg	1	7/20/2020 2:51:56 PM
Surr: 1,2-Dichloroethane-d4	104	70-130		%Rec	1	7/20/2020 2:51:56 PM
Surr: 4-Bromofluorobenzene	95.0	70-130		%Rec	1	7/20/2020 2:51:56 PM
Surr: Dibromofluoromethane	109	70-130		%Rec	1	7/20/2020 2:51:56 PM
Surr: Toluene-d8	99.5	70-130		%Rec	1	7/20/2020 2:51:56 PM
EPA METHOD 8015D MOD: GASOLINE RANGE						Analyst: JMR
Gasoline Range Organics (GRO)	ND	5.0		mg/Kg	1	7/20/2020 2:51:56 PM
Surr: BFB	94.8	70-130		%Rec	1	7/20/2020 2:51:56 PM

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

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

Analytical Report

Lab Order 2007898

Date Reported: 7/24/2020

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Pima Environmental Services LLC

Client Sample ID: S1-0-6"

Project: Jasper 32 St Com 7H

Collection Date: 7/15/2020

Lab ID: 2007898-004

Matrix: SOIL

Received Date: 7/17/2020 11:10:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: BRM
Diesel Range Organics (DRO)	ND	9.8		mg/Kg	1	7/22/2020 5:55:28 PM
Motor Oil Range Organics (MRO)	ND	49		mg/Kg	1	7/22/2020 5:55:28 PM
Surr: DNOP	100	55.1-146		%Rec	1	7/22/2020 5:55:28 PM
EPA METHOD 300.0: ANIONS						Analyst: MRA
Chloride	580	60		mg/Kg	20	7/21/2020 8:39:23 PM
EPA METHOD 8260B: VOLATILES SHORT LIST						Analyst: JMR
Benzene	ND	0.025		mg/Kg	1	7/20/2020 4:18:03 PM
Toluene	ND	0.050		mg/Kg	1	7/20/2020 4:18:03 PM
Ethylbenzene	ND	0.050		mg/Kg	1	7/20/2020 4:18:03 PM
Xylenes, Total	ND	0.10		mg/Kg	1	7/20/2020 4:18:03 PM
Surr: 1,2-Dichloroethane-d4	104	70-130		%Rec	1	7/20/2020 4:18:03 PM
Surr: 4-Bromofluorobenzene	92.6	70-130		%Rec	1	7/20/2020 4:18:03 PM
Surr: Dibromofluoromethane	112	70-130		%Rec	1	7/20/2020 4:18:03 PM
Surr: Toluene-d8	103	70-130		%Rec	1	7/20/2020 4:18:03 PM
EPA METHOD 8015D MOD: GASOLINE RANGE						Analyst: JMR
Gasoline Range Organics (GRO)	ND	5.0		mg/Kg	1	7/20/2020 4:18:03 PM
Surr: BFB	96.2	70-130		%Rec	1	7/20/2020 4:18:03 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 2007898

Date Reported: 7/24/2020

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Pima Environmental Services LLC

Client Sample ID: S2-0-6"

Project: Jasper 32 St Com 7H

Collection Date: 7/15/2020

Lab ID: 2007898-005

Matrix: SOIL

Received Date: 7/17/2020 11:10:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: BRM
Diesel Range Organics (DRO)	ND	9.7		mg/Kg	1	7/22/2020 6:05:37 PM
Motor Oil Range Organics (MRO)	ND	48		mg/Kg	1	7/22/2020 6:05:37 PM
Surr: DNOP	52.8	55.1-146	S	%Rec	1	7/22/2020 6:05:37 PM
EPA METHOD 300.0: ANIONS						Analyst: MRA
Chloride	160	60		mg/Kg	20	7/21/2020 8:51:48 PM
EPA METHOD 8260B: VOLATILES SHORT LIST						Analyst: JMR
Benzene	ND	0.025		mg/Kg	1	7/20/2020 5:44:16 PM
Toluene	ND	0.049		mg/Kg	1	7/20/2020 5:44:16 PM
Ethylbenzene	ND	0.049		mg/Kg	1	7/20/2020 5:44:16 PM
Xylenes, Total	ND	0.098		mg/Kg	1	7/20/2020 5:44:16 PM
Surr: 1,2-Dichloroethane-d4	104	70-130		%Rec	1	7/20/2020 5:44:16 PM
Surr: 4-Bromofluorobenzene	94.1	70-130		%Rec	1	7/20/2020 5:44:16 PM
Surr: Dibromofluoromethane	107	70-130		%Rec	1	7/20/2020 5:44:16 PM
Surr: Toluene-d8	99.9	70-130		%Rec	1	7/20/2020 5:44:16 PM
EPA METHOD 8015D MOD: GASOLINE RANGE						Analyst: JMR
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	7/20/2020 5:44:16 PM
Surr: BFB	95.4	70-130		%Rec	1	7/20/2020 5:44:16 PM

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

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

Analytical Report

Lab Order 2007898

Date Reported: 7/24/2020

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Pima Environmental Services LLC

Client Sample ID: S3-0-6"

Project: Jasper 32 St Com 7H

Collection Date: 7/15/2020

Lab ID: 2007898-006

Matrix: SOIL

Received Date: 7/17/2020 11:10:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: BRM
Diesel Range Organics (DRO)	ND	9.1		mg/Kg	1	7/22/2020 6:15:51 PM
Motor Oil Range Organics (MRO)	ND	46		mg/Kg	1	7/22/2020 6:15:51 PM
Surr: DNOP	50.2	55.1-146	S	%Rec	1	7/22/2020 6:15:51 PM
EPA METHOD 300.0: ANIONS						Analyst: MRA
Chloride	81	60		mg/Kg	20	7/21/2020 9:04:12 PM
EPA METHOD 8260B: VOLATILES SHORT LIST						Analyst: JMR
Benzene	ND	0.025		mg/Kg	1	7/20/2020 6:12:59 PM
Toluene	ND	0.050		mg/Kg	1	7/20/2020 6:12:59 PM
Ethylbenzene	ND	0.050		mg/Kg	1	7/20/2020 6:12:59 PM
Xylenes, Total	ND	0.10		mg/Kg	1	7/20/2020 6:12:59 PM
Surr: 1,2-Dichloroethane-d4	98.6	70-130		%Rec	1	7/20/2020 6:12:59 PM
Surr: 4-Bromofluorobenzene	97.1	70-130		%Rec	1	7/20/2020 6:12:59 PM
Surr: Dibromofluoromethane	111	70-130		%Rec	1	7/20/2020 6:12:59 PM
Surr: Toluene-d8	99.6	70-130		%Rec	1	7/20/2020 6:12:59 PM
EPA METHOD 8015D MOD: GASOLINE RANGE						Analyst: JMR
Gasoline Range Organics (GRO)	ND	5.0		mg/Kg	1	7/20/2020 6:12:59 PM
Surr: BFB	94.3	70-130		%Rec	1	7/20/2020 6:12:59 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 **2007898**

Date Reported: **7/24/2020**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Pima Environmental Services LLC

Client Sample ID: S4-0-6"

Project: Jasper 32 St Com 7H

Collection Date: 7/15/2020

Lab ID: 2007898-007

Matrix: SOIL

Received Date: 7/17/2020 11:10:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: BRM
Diesel Range Organics (DRO)	ND	10		mg/Kg	1	7/22/2020 6:26:05 PM
Motor Oil Range Organics (MRO)	ND	50		mg/Kg	1	7/22/2020 6:26:05 PM
Surr: DNOP	38.2	55.1-146	S	%Rec	1	7/22/2020 6:26:05 PM
EPA METHOD 300.0: ANIONS						Analyst: MRA
Chloride	ND	60		mg/Kg	20	7/21/2020 9:16:37 PM
EPA METHOD 8260B: VOLATILES SHORT LIST						Analyst: JMR
Benzene	ND	0.024		mg/Kg	1	7/20/2020 6:41:41 PM
Toluene	ND	0.049		mg/Kg	1	7/20/2020 6:41:41 PM
Ethylbenzene	ND	0.049		mg/Kg	1	7/20/2020 6:41:41 PM
Xylenes, Total	ND	0.098		mg/Kg	1	7/20/2020 6:41:41 PM
Surr: 1,2-Dichloroethane-d4	106	70-130		%Rec	1	7/20/2020 6:41:41 PM
Surr: 4-Bromofluorobenzene	90.3	70-130		%Rec	1	7/20/2020 6:41:41 PM
Surr: Dibromofluoromethane	111	70-130		%Rec	1	7/20/2020 6:41:41 PM
Surr: Toluene-d8	98.0	70-130		%Rec	1	7/20/2020 6:41:41 PM
EPA METHOD 8015D MOD: GASOLINE RANGE						Analyst: JMR
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	7/20/2020 6:41:41 PM
Surr: BFB	91.9	70-130		%Rec	1	7/20/2020 6:41:41 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 2007898

Date Reported: 7/24/2020

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Pima Environmental Services LLC

Client Sample ID: S5-0-6"

Project: Jasper 32 St Com 7H

Collection Date: 7/15/2020

Lab ID: 2007898-008

Matrix: SOIL

Received Date: 7/17/2020 11:10:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: BRM
Diesel Range Organics (DRO)	16	9.9		mg/Kg	1	7/22/2020 6:36:21 PM
Motor Oil Range Organics (MRO)	ND	50		mg/Kg	1	7/22/2020 6:36:21 PM
Surr: DNOP	67.3	55.1-146		%Rec	1	7/22/2020 6:36:21 PM
EPA METHOD 300.0: ANIONS						Analyst: JMT
Chloride	6100	300		mg/Kg	100	7/22/2020 7:08:18 PM
EPA METHOD 8260B: VOLATILES SHORT LIST						Analyst: JMR
Benzene	ND	0.025		mg/Kg	1	7/20/2020 7:10:22 PM
Toluene	ND	0.050		mg/Kg	1	7/20/2020 7:10:22 PM
Ethylbenzene	ND	0.050		mg/Kg	1	7/20/2020 7:10:22 PM
Xylenes, Total	ND	0.10		mg/Kg	1	7/20/2020 7:10:22 PM
Surr: 1,2-Dichloroethane-d4	99.4	70-130		%Rec	1	7/20/2020 7:10:22 PM
Surr: 4-Bromofluorobenzene	93.8	70-130		%Rec	1	7/20/2020 7:10:22 PM
Surr: Dibromofluoromethane	108	70-130		%Rec	1	7/20/2020 7:10:22 PM
Surr: Toluene-d8	102	70-130		%Rec	1	7/20/2020 7:10:22 PM
EPA METHOD 8015D MOD: GASOLINE RANGE						Analyst: JMR
Gasoline Range Organics (GRO)	ND	5.0		mg/Kg	1	7/20/2020 7:10:22 PM
Surr: BFB	95.8	70-130		%Rec	1	7/20/2020 7:10:22 PM

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

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

Analytical Report

Lab Order 2007898

Date Reported: 7/24/2020

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Pima Environmental Services LLC

Client Sample ID: S6-0-6"

Project: Jasper 32 St Com 7H

Collection Date: 7/15/2020

Lab ID: 2007898-009

Matrix: SOIL

Received Date: 7/17/2020 11:10:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: BRM
Diesel Range Organics (DRO)	11	9.6		mg/Kg	1	7/23/2020 12:48:01 PM
Motor Oil Range Organics (MRO)	ND	48		mg/Kg	1	7/23/2020 12:48:01 PM
Surr: DNOP	124	55.1-146		%Rec	1	7/23/2020 12:48:01 PM
EPA METHOD 300.0: ANIONS						Analyst: JMT
Chloride	11000	600		mg/Kg	200	7/22/2020 7:20:43 PM
EPA METHOD 8260B: VOLATILES SHORT LIST						Analyst: JMR
Benzene	ND	0.024		mg/Kg	1	7/20/2020 7:39:00 PM
Toluene	ND	0.048		mg/Kg	1	7/20/2020 7:39:00 PM
Ethylbenzene	ND	0.048		mg/Kg	1	7/20/2020 7:39:00 PM
Xylenes, Total	ND	0.095		mg/Kg	1	7/20/2020 7:39:00 PM
Surr: 1,2-Dichloroethane-d4	106	70-130		%Rec	1	7/20/2020 7:39:00 PM
Surr: 4-Bromofluorobenzene	91.8	70-130		%Rec	1	7/20/2020 7:39:00 PM
Surr: Dibromofluoromethane	111	70-130		%Rec	1	7/20/2020 7:39:00 PM
Surr: Toluene-d8	93.8	70-130		%Rec	1	7/20/2020 7:39:00 PM
EPA METHOD 8015D MOD: GASOLINE RANGE						Analyst: JMR
Gasoline Range Organics (GRO)	ND	4.8		mg/Kg	1	7/20/2020 7:39:00 PM
Surr: BFB	96.3	70-130		%Rec	1	7/20/2020 7:39:00 PM

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

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

Analytical Report

Lab Order **2007898**

Date Reported: 7/24/2020

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Pima Environmental Services LLC

Client Sample ID: S6-1'

Project: Jasper 32 St Com 7H

Collection Date: 7/15/2020

Lab ID: 2007898-010

Matrix: SOIL

Received Date: 7/17/2020 11:10:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: BRM
Diesel Range Organics (DRO)	ND	9.6		mg/Kg	1	7/22/2020 6:56:57 PM
Motor Oil Range Organics (MRO)	ND	48		mg/Kg	1	7/22/2020 6:56:57 PM
Surr: DNOP	95.9	55.1-146		%Rec	1	7/22/2020 6:56:57 PM
EPA METHOD 300.0: ANIONS						Analyst: JMT
Chloride	4100	150		mg/Kg	50	7/22/2020 7:33:07 PM
EPA METHOD 8260B: VOLATILES SHORT LIST						Analyst: JMR
Benzene	ND	0.024		mg/Kg	1	7/20/2020 8:07:34 PM
Toluene	ND	0.048		mg/Kg	1	7/20/2020 8:07:34 PM
Ethylbenzene	ND	0.048		mg/Kg	1	7/20/2020 8:07:34 PM
Xylenes, Total	ND	0.095		mg/Kg	1	7/20/2020 8:07:34 PM
Surr: 1,2-Dichloroethane-d4	101	70-130		%Rec	1	7/20/2020 8:07:34 PM
Surr: 4-Bromofluorobenzene	93.5	70-130		%Rec	1	7/20/2020 8:07:34 PM
Surr: Dibromofluoromethane	107	70-130		%Rec	1	7/20/2020 8:07:34 PM
Surr: Toluene-d8	104	70-130		%Rec	1	7/20/2020 8:07:34 PM
EPA METHOD 8015D MOD: GASOLINE RANGE						Analyst: JMR
Gasoline Range Organics (GRO)	ND	4.8		mg/Kg	1	7/20/2020 8:07:34 PM
Surr: BFB	100	70-130		%Rec	1	7/20/2020 8:07:34 PM

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

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

Analytical Report

Lab Order **2007898**

Date Reported: **7/24/2020**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Pima Environmental Services LLC

Client Sample ID: S7-0-6"

Project: Jasper 32 St Com 7H

Collection Date: 7/15/2020

Lab ID: 2007898-011

Matrix: SOIL

Received Date: 7/17/2020 11:10:00 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	7/22/2020 7:07:20 PM
Motor Oil Range Organics (MRO)	ND	48		mg/Kg	1	7/22/2020 7:07:20 PM
Surr: DNOP	66.1	55.1-146		%Rec	1	7/22/2020 7:07:20 PM
EPA METHOD 300.0: ANIONS						Analyst: MRA
Chloride	1000	60		mg/Kg	20	7/21/2020 10:31:03 PM
EPA METHOD 8260B: VOLATILES SHORT LIST						Analyst: JMR
Benzene	ND	0.024		mg/Kg	1	7/20/2020 8:36:08 PM
Toluene	ND	0.048		mg/Kg	1	7/20/2020 8:36:08 PM
Ethylbenzene	ND	0.048		mg/Kg	1	7/20/2020 8:36:08 PM
Xylenes, Total	ND	0.096		mg/Kg	1	7/20/2020 8:36:08 PM
Surr: 1,2-Dichloroethane-d4	101	70-130		%Rec	1	7/20/2020 8:36:08 PM
Surr: 4-Bromofluorobenzene	92.8	70-130		%Rec	1	7/20/2020 8:36:08 PM
Surr: Dibromofluoromethane	105	70-130		%Rec	1	7/20/2020 8:36:08 PM
Surr: Toluene-d8	98.8	70-130		%Rec	1	7/20/2020 8:36:08 PM
EPA METHOD 8015D MOD: GASOLINE RANGE						Analyst: JMR
Gasoline Range Organics (GRO)	ND	4.8		mg/Kg	1	7/20/2020 8:36:08 PM
Surr: BFB	96.1	70-130		%Rec	1	7/20/2020 8:36:08 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 **2007898**

Date Reported: **7/24/2020**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Pima Environmental Services LLC

Client Sample ID: S8-0-6"

Project: Jasper 32 St Com 7H

Collection Date: 7/15/2020

Lab ID: 2007898-012

Matrix: SOIL

Received Date: 7/17/2020 11:10:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: BRM
Diesel Range Organics (DRO)	ND	9.7		mg/Kg	1	7/22/2020 7:17:42 PM
Motor Oil Range Organics (MRO)	ND	48		mg/Kg	1	7/22/2020 7:17:42 PM
Surr: DNOP	106	55.1-146		%Rec	1	7/22/2020 7:17:42 PM
EPA METHOD 300.0: ANIONS						Analyst: JMT
Chloride	23000	1500		mg/Kg	500	7/22/2020 8:10:21 PM
EPA METHOD 8260B: VOLATILES SHORT LIST						Analyst: JMR
Benzene	ND	0.024		mg/Kg	1	7/20/2020 9:04:47 PM
Toluene	ND	0.048		mg/Kg	1	7/20/2020 9:04:47 PM
Ethylbenzene	ND	0.048		mg/Kg	1	7/20/2020 9:04:47 PM
Xylenes, Total	ND	0.097		mg/Kg	1	7/20/2020 9:04:47 PM
Surr: 1,2-Dichloroethane-d4	105	70-130		%Rec	1	7/20/2020 9:04:47 PM
Surr: 4-Bromofluorobenzene	87.5	70-130		%Rec	1	7/20/2020 9:04:47 PM
Surr: Dibromofluoromethane	110	70-130		%Rec	1	7/20/2020 9:04:47 PM
Surr: Toluene-d8	98.1	70-130		%Rec	1	7/20/2020 9:04:47 PM
EPA METHOD 8015D MOD: GASOLINE RANGE						Analyst: JMR
Gasoline Range Organics (GRO)	ND	4.8		mg/Kg	1	7/20/2020 9:04:47 PM
Surr: BFB	92.0	70-130		%Rec	1	7/20/2020 9:04:47 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 **2007898**

Date Reported: **7/24/2020**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Pima Environmental Services LLC

Client Sample ID: S8-1'

Project: Jasper 32 St Com 7H

Collection Date: 7/15/2020

Lab ID: 2007898-013

Matrix: SOIL

Received Date: 7/17/2020 11:10:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: BRM
Diesel Range Organics (DRO)	ND	9.7		mg/Kg	1	7/22/2020 7:28:06 PM
Motor Oil Range Organics (MRO)	ND	48		mg/Kg	1	7/22/2020 7:28:06 PM
Surr: DNOP	87.2	55.1-146		%Rec	1	7/22/2020 7:28:06 PM
EPA METHOD 300.0: ANIONS						Analyst: JMT
Chloride	6700	300		mg/Kg	100	7/22/2020 8:22:45 PM
EPA METHOD 8260B: VOLATILES SHORT LIST						Analyst: JMR
Benzene	ND	0.024		mg/Kg	1	7/20/2020 9:33:22 PM
Toluene	ND	0.048		mg/Kg	1	7/20/2020 9:33:22 PM
Ethylbenzene	ND	0.048		mg/Kg	1	7/20/2020 9:33:22 PM
Xylenes, Total	ND	0.096		mg/Kg	1	7/20/2020 9:33:22 PM
Surr: 1,2-Dichloroethane-d4	101	70-130		%Rec	1	7/20/2020 9:33:22 PM
Surr: 4-Bromofluorobenzene	92.6	70-130		%Rec	1	7/20/2020 9:33:22 PM
Surr: Dibromofluoromethane	107	70-130		%Rec	1	7/20/2020 9:33:22 PM
Surr: Toluene-d8	105	70-130		%Rec	1	7/20/2020 9:33:22 PM
EPA METHOD 8015D MOD: GASOLINE RANGE						Analyst: JMR
Gasoline Range Organics (GRO)	ND	4.8		mg/Kg	1	7/20/2020 9:33:22 PM
Surr: BFB	99.6	70-130		%Rec	1	7/20/2020 9:33:22 PM

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

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

Analytical Report

Lab Order **2007898**

Date Reported: **7/24/2020**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Pima Environmental Services LLC

Client Sample ID: S8-2'

Project: Jasper 32 St Com 7H

Collection Date: 7/15/2020

Lab ID: 2007898-014

Matrix: SOIL

Received Date: 7/17/2020 11:10:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: BRM
Diesel Range Organics (DRO)	ND	9.7		mg/Kg	1	7/22/2020 7:38:29 PM
Motor Oil Range Organics (MRO)	ND	49		mg/Kg	1	7/22/2020 7:38:29 PM
Surr: DNOP	77.4	55.1-146		%Rec	1	7/22/2020 7:38:29 PM
EPA METHOD 300.0: ANIONS						Analyst: JMT
Chloride	4300	150		mg/Kg	50	7/22/2020 8:35:10 PM
EPA METHOD 8260B: VOLATILES SHORT LIST						Analyst: JMR
Benzene	ND	0.025		mg/Kg	1	7/20/2020 10:01:55 PM
Toluene	ND	0.050		mg/Kg	1	7/20/2020 10:01:55 PM
Ethylbenzene	ND	0.050		mg/Kg	1	7/20/2020 10:01:55 PM
Xylenes, Total	ND	0.10		mg/Kg	1	7/20/2020 10:01:55 PM
Surr: 1,2-Dichloroethane-d4	103	70-130		%Rec	1	7/20/2020 10:01:55 PM
Surr: 4-Bromofluorobenzene	89.6	70-130		%Rec	1	7/20/2020 10:01:55 PM
Surr: Dibromofluoromethane	103	70-130		%Rec	1	7/20/2020 10:01:55 PM
Surr: Toluene-d8	104	70-130		%Rec	1	7/20/2020 10:01:55 PM
EPA METHOD 8015D MOD: GASOLINE RANGE						Analyst: JMR
Gasoline Range Organics (GRO)	ND	5.0		mg/Kg	1	7/20/2020 10:01:55 PM
Surr: BFB	97.1	70-130		%Rec	1	7/20/2020 10:01:55 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 **2007898**

Date Reported: **7/24/2020**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Pima Environmental Services LLC

Client Sample ID: S6-2'

Project: Jasper 32 St Com 7H

Collection Date: 7/15/2020

Lab ID: 2007898-015

Matrix: SOIL

Received Date: 7/17/2020 11:10:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: BRM
Diesel Range Organics (DRO)	ND	9.3		mg/Kg	1	7/22/2020 7:48:53 PM
Motor Oil Range Organics (MRO)	ND	47		mg/Kg	1	7/22/2020 7:48:53 PM
Surr: DNOP	98.4	55.1-146		%Rec	1	7/22/2020 7:48:53 PM
EPA METHOD 300.0: ANIONS						Analyst: MRA
Chloride	2300	61		mg/Kg	20	7/21/2020 11:45:29 PM
EPA METHOD 8260B: VOLATILES SHORT LIST						Analyst: JMR
Benzene	ND	0.024		mg/Kg	1	7/20/2020 10:30:26 PM
Toluene	ND	0.049		mg/Kg	1	7/20/2020 10:30:26 PM
Ethylbenzene	ND	0.049		mg/Kg	1	7/20/2020 10:30:26 PM
Xylenes, Total	ND	0.097		mg/Kg	1	7/20/2020 10:30:26 PM
Surr: 1,2-Dichloroethane-d4	104	70-130		%Rec	1	7/20/2020 10:30:26 PM
Surr: 4-Bromofluorobenzene	94.3	70-130		%Rec	1	7/20/2020 10:30:26 PM
Surr: Dibromofluoromethane	109	70-130		%Rec	1	7/20/2020 10:30:26 PM
Surr: Toluene-d8	102	70-130		%Rec	1	7/20/2020 10:30:26 PM
EPA METHOD 8015D MOD: GASOLINE RANGE						Analyst: JMR
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	7/20/2020 10:30:26 PM
Surr: BFB	97.2	70-130		%Rec	1	7/20/2020 10:30:26 PM

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

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

Analytical Report

Lab Order **2007898**

Date Reported: **7/24/2020**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Pima Environmental Services LLC

Client Sample ID: S9-0-6"

Project: Jasper 32 St Com 7H

Collection Date: 7/15/2020

Lab ID: 2007898-016

Matrix: SOIL

Received Date: 7/17/2020 11:10:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: BRM
Diesel Range Organics (DRO)	2900	91		mg/Kg	10	7/22/2020 7:59:19 PM
Motor Oil Range Organics (MRO)	3000	460		mg/Kg	10	7/22/2020 7:59:19 PM
Surr: DNOP	0	55.1-146	S	%Rec	10	7/22/2020 7:59:19 PM
EPA METHOD 300.0: ANIONS						Analyst: MRA
Chloride	1900	60		mg/Kg	20	7/22/2020 12:47:32 AM
EPA METHOD 8260B: VOLATILES SHORT LIST						Analyst: JMR
Benzene	ND	0.023		mg/Kg	1	7/20/2020 10:58:58 PM
Toluene	ND	0.046		mg/Kg	1	7/20/2020 10:58:58 PM
Ethylbenzene	ND	0.046		mg/Kg	1	7/20/2020 10:58:58 PM
Xylenes, Total	ND	0.091		mg/Kg	1	7/20/2020 10:58:58 PM
Surr: 1,2-Dichloroethane-d4	104	70-130		%Rec	1	7/20/2020 10:58:58 PM
Surr: 4-Bromofluorobenzene	93.1	70-130		%Rec	1	7/20/2020 10:58:58 PM
Surr: Dibromofluoromethane	110	70-130		%Rec	1	7/20/2020 10:58:58 PM
Surr: Toluene-d8	98.3	70-130		%Rec	1	7/20/2020 10:58:58 PM
EPA METHOD 8015D MOD: GASOLINE RANGE						Analyst: JMR
Gasoline Range Organics (GRO)	ND	4.6		mg/Kg	1	7/20/2020 10:58:58 PM
Surr: BFB	95.0	70-130		%Rec	1	7/20/2020 10:58:58 PM

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

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

Analytical Report

Lab Order **2007898**

Date Reported: 7/24/2020

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Pima Environmental Services LLC

Client Sample ID: S10-0-6"

Project: Jasper 32 St Com 7H

Collection Date: 7/15/2020

Lab ID: 2007898-017

Matrix: SOIL

Received Date: 7/17/2020 11:10:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: BRM
Diesel Range Organics (DRO)	ND	9.5		mg/Kg	1	7/22/2020 8:09:57 PM
Motor Oil Range Organics (MRO)	ND	48		mg/Kg	1	7/22/2020 8:09:57 PM
Surr: DNOP	85.1	55.1-146		%Rec	1	7/22/2020 8:09:57 PM
EPA METHOD 300.0: ANIONS						Analyst: MRA
Chloride	510	59		mg/Kg	20	7/22/2020 12:59:56 AM
EPA METHOD 8260B: VOLATILES SHORT LIST						Analyst: JMR
Benzene	ND	0.024		mg/Kg	1	7/20/2020 11:27:33 PM
Toluene	ND	0.048		mg/Kg	1	7/20/2020 11:27:33 PM
Ethylbenzene	ND	0.048		mg/Kg	1	7/20/2020 11:27:33 PM
Xylenes, Total	ND	0.096		mg/Kg	1	7/20/2020 11:27:33 PM
Surr: 1,2-Dichloroethane-d4	103	70-130		%Rec	1	7/20/2020 11:27:33 PM
Surr: 4-Bromofluorobenzene	92.0	70-130		%Rec	1	7/20/2020 11:27:33 PM
Surr: Dibromofluoromethane	109	70-130		%Rec	1	7/20/2020 11:27:33 PM
Surr: Toluene-d8	103	70-130		%Rec	1	7/20/2020 11:27:33 PM
EPA METHOD 8015D MOD: GASOLINE RANGE						Analyst: JMR
Gasoline Range Organics (GRO)	ND	4.8		mg/Kg	1	7/20/2020 11:27:33 PM
Surr: BFB	97.1	70-130		%Rec	1	7/20/2020 11:27:33 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 2007898

Date Reported: 7/24/2020

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Pima Environmental Services LLC

Client Sample ID: S11-0-6"

Project: Jasper 32 St Com 7H

Collection Date: 7/15/2020

Lab ID: 2007898-018

Matrix: SOIL

Received Date: 7/17/2020 11:10:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: BRM
Diesel Range Organics (DRO)	ND	9.2		mg/Kg	1	7/22/2020 8:20:34 PM
Motor Oil Range Organics (MRO)	ND	46		mg/Kg	1	7/22/2020 8:20:34 PM
Surr: DNOP	70.4	55.1-146		%Rec	1	7/22/2020 8:20:34 PM
EPA METHOD 300.0: ANIONS						Analyst: MRA
Chloride	ND	60		mg/Kg	20	7/22/2020 1:12:21 AM
EPA METHOD 8260B: VOLATILES SHORT LIST						Analyst: JMR
Benzene	ND	0.023		mg/Kg	1	7/21/2020 1:50:05 AM
Toluene	ND	0.046		mg/Kg	1	7/21/2020 1:50:05 AM
Ethylbenzene	ND	0.046		mg/Kg	1	7/21/2020 1:50:05 AM
Xylenes, Total	ND	0.093		mg/Kg	1	7/21/2020 1:50:05 AM
Surr: 1,2-Dichloroethane-d4	104	70-130		%Rec	1	7/21/2020 1:50:05 AM
Surr: 4-Bromofluorobenzene	90.6	70-130		%Rec	1	7/21/2020 1:50:05 AM
Surr: Dibromofluoromethane	105	70-130		%Rec	1	7/21/2020 1:50:05 AM
Surr: Toluene-d8	104	70-130		%Rec	1	7/21/2020 1:50:05 AM
EPA METHOD 8015D MOD: GASOLINE RANGE						Analyst: JMR
Gasoline Range Organics (GRO)	ND	4.6		mg/Kg	1	7/21/2020 1:50:05 AM
Surr: BFB	98.6	70-130		%Rec	1	7/21/2020 1:50:05 AM

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

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

Analytical Report

Lab Order **2007898**

Date Reported: **7/24/2020**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Pima Environmental Services LLC

Client Sample ID: S12-0-6"

Project: Jasper 32 St Com 7H

Collection Date: 7/15/2020

Lab ID: 2007898-019

Matrix: SOIL

Received Date: 7/17/2020 11:10:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: BRM
Diesel Range Organics (DRO)	ND	9.2		mg/Kg	1	7/22/2020 8:31:10 PM
Motor Oil Range Organics (MRO)	ND	46		mg/Kg	1	7/22/2020 8:31:10 PM
Surr: DNOP	90.7	55.1-146		%Rec	1	7/22/2020 8:31:10 PM
EPA METHOD 300.0: ANIONS						Analyst: MRA
Chloride	ND	60		mg/Kg	20	7/22/2020 1:24:45 AM
EPA METHOD 8260B: VOLATILES SHORT LIST						Analyst: JMR
Benzene	ND	0.023		mg/Kg	1	7/21/2020 2:18:33 AM
Toluene	ND	0.046		mg/Kg	1	7/21/2020 2:18:33 AM
Ethylbenzene	ND	0.046		mg/Kg	1	7/21/2020 2:18:33 AM
Xylenes, Total	ND	0.092		mg/Kg	1	7/21/2020 2:18:33 AM
Surr: 1,2-Dichloroethane-d4	106	70-130		%Rec	1	7/21/2020 2:18:33 AM
Surr: 4-Bromofluorobenzene	92.8	70-130		%Rec	1	7/21/2020 2:18:33 AM
Surr: Dibromofluoromethane	109	70-130		%Rec	1	7/21/2020 2:18:33 AM
Surr: Toluene-d8	104	70-130		%Rec	1	7/21/2020 2:18:33 AM
EPA METHOD 8015D MOD: GASOLINE RANGE						Analyst: JMR
Gasoline Range Organics (GRO)	ND	4.6		mg/Kg	1	7/21/2020 2:18:33 AM
Surr: BFB	96.3	70-130		%Rec	1	7/21/2020 2:18:33 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 **2007898**

Date Reported: **7/24/2020**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Pima Environmental Services LLC

Client Sample ID: S13-0-6"

Project: Jasper 32 St Com 7H

Collection Date: 7/15/2020

Lab ID: 2007898-020

Matrix: SOIL

Received Date: 7/17/2020 11:10:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: BRM
Diesel Range Organics (DRO)	ND	9.5		mg/Kg	1	7/22/2020 8:41:45 PM
Motor Oil Range Organics (MRO)	ND	47		mg/Kg	1	7/22/2020 8:41:45 PM
Surr: DNOP	69.5	55.1-146		%Rec	1	7/22/2020 8:41:45 PM
EPA METHOD 300.0: ANIONS						Analyst: MRA
Chloride	450	60		mg/Kg	20	7/22/2020 1:37:10 AM
EPA METHOD 8260B: VOLATILES SHORT LIST						Analyst: JMR
Benzene	ND	0.024		mg/Kg	1	7/21/2020 2:47:01 AM
Toluene	ND	0.049		mg/Kg	1	7/21/2020 2:47:01 AM
Ethylbenzene	ND	0.049		mg/Kg	1	7/21/2020 2:47:01 AM
Xylenes, Total	ND	0.097		mg/Kg	1	7/21/2020 2:47:01 AM
Surr: 1,2-Dichloroethane-d4	104	70-130		%Rec	1	7/21/2020 2:47:01 AM
Surr: 4-Bromofluorobenzene	90.8	70-130		%Rec	1	7/21/2020 2:47:01 AM
Surr: Dibromofluoromethane	108	70-130		%Rec	1	7/21/2020 2:47:01 AM
Surr: Toluene-d8	101	70-130		%Rec	1	7/21/2020 2:47:01 AM
EPA METHOD 8015D MOD: GASOLINE RANGE						Analyst: JMR
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	7/21/2020 2:47:01 AM
Surr: BFB	94.8	70-130		%Rec	1	7/21/2020 2:47:01 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	

Analytical Report

Lab Order **2007898**

Date Reported: **7/24/2020**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Pima Environmental Services LLC

Client Sample ID: S14-0-6"

Project: Jasper 32 St Com 7H

Collection Date: 7/15/2020

Lab ID: 2007898-021

Matrix: SOIL

Received Date: 7/17/2020 11:10:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: BRM
Diesel Range Organics (DRO)	ND	9.5		mg/Kg	1	7/22/2020 10:35:56 PM
Motor Oil Range Organics (MRO)	ND	48		mg/Kg	1	7/22/2020 10:35:56 PM
Surr: DNOP	96.8	55.1-146		%Rec	1	7/22/2020 10:35:56 PM
EPA METHOD 300.0: ANIONS						Analyst: MRA
Chloride	2400	60		mg/Kg	20	7/22/2020 1:49:34 AM
EPA METHOD 8260B: VOLATILES SHORT LIST						Analyst: JMR
Benzene	ND	0.024		mg/Kg	1	7/21/2020 3:15:31 AM
Toluene	ND	0.047		mg/Kg	1	7/21/2020 3:15:31 AM
Ethylbenzene	ND	0.047		mg/Kg	1	7/21/2020 3:15:31 AM
Xylenes, Total	ND	0.094		mg/Kg	1	7/21/2020 3:15:31 AM
Surr: 1,2-Dichloroethane-d4	104	70-130		%Rec	1	7/21/2020 3:15:31 AM
Surr: 4-Bromofluorobenzene	96.7	70-130		%Rec	1	7/21/2020 3:15:31 AM
Surr: Dibromofluoromethane	103	70-130		%Rec	1	7/21/2020 3:15:31 AM
Surr: Toluene-d8	106	70-130		%Rec	1	7/21/2020 3:15:31 AM
EPA METHOD 8015D MOD: GASOLINE RANGE						Analyst: JMR
Gasoline Range Organics (GRO)	ND	4.7		mg/Kg	1	7/21/2020 3:15:31 AM
Surr: BFB	101	70-130		%Rec	1	7/21/2020 3:15:31 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 **2007898**

Date Reported: **7/24/2020**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Pima Environmental Services LLC

Client Sample ID: S14-1

Project: Jasper 32 St Com 7H

Collection Date: 7/15/2020

Lab ID: 2007898-022

Matrix: SOIL

Received Date: 7/17/2020 11:10:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: BRM
Diesel Range Organics (DRO)	ND	9.3		mg/Kg	1	7/22/2020 10:46:17 PM
Motor Oil Range Organics (MRO)	ND	47		mg/Kg	1	7/22/2020 10:46:17 PM
Surr: DNOP	95.4	55.1-146		%Rec	1	7/22/2020 10:46:17 PM
EPA METHOD 300.0: ANIONS						Analyst: MRA
Chloride	1300	60		mg/Kg	20	7/22/2020 2:01:58 AM
EPA METHOD 8260B: VOLATILES SHORT LIST						Analyst: JMR
Benzene	ND	0.024		mg/Kg	1	7/21/2020 3:44:11 AM
Toluene	ND	0.049		mg/Kg	1	7/21/2020 3:44:11 AM
Ethylbenzene	ND	0.049		mg/Kg	1	7/21/2020 3:44:11 AM
Xylenes, Total	ND	0.097		mg/Kg	1	7/21/2020 3:44:11 AM
Surr: 1,2-Dichloroethane-d4	104	70-130		%Rec	1	7/21/2020 3:44:11 AM
Surr: 4-Bromofluorobenzene	93.6	70-130		%Rec	1	7/21/2020 3:44:11 AM
Surr: Dibromofluoromethane	107	70-130		%Rec	1	7/21/2020 3:44:11 AM
Surr: Toluene-d8	100	70-130		%Rec	1	7/21/2020 3:44:11 AM
EPA METHOD 8015D MOD: GASOLINE RANGE						Analyst: JMR
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	7/21/2020 3:44:11 AM
Surr: BFB	96.5	70-130		%Rec	1	7/21/2020 3:44:11 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 **2007898**

Date Reported: **7/24/2020**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Pima Environmental Services LLC

Client Sample ID: S14-2

Project: Jasper 32 St Com 7H

Collection Date: 7/15/2020

Lab ID: 2007898-023

Matrix: SOIL

Received Date: 7/17/2020 11:10:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: BRM
Diesel Range Organics (DRO)	ND	9.6		mg/Kg	1	7/22/2020 10:56:35 PM
Motor Oil Range Organics (MRO)	ND	48		mg/Kg	1	7/22/2020 10:56:35 PM
Surr: DNOP	95.6	55.1-146		%Rec	1	7/22/2020 10:56:35 PM
EPA METHOD 300.0: ANIONS						Analyst: MRA
Chloride	870	60		mg/Kg	20	7/22/2020 2:14:23 AM
EPA METHOD 8260B: VOLATILES SHORT LIST						Analyst: JMR
Benzene	ND	0.025		mg/Kg	1	7/21/2020 4:53:08 AM
Toluene	ND	0.049		mg/Kg	1	7/21/2020 4:53:08 AM
Ethylbenzene	ND	0.049		mg/Kg	1	7/21/2020 4:53:08 AM
Xylenes, Total	ND	0.099		mg/Kg	1	7/21/2020 4:53:08 AM
Surr: 1,2-Dichloroethane-d4	95.5	70-130		%Rec	1	7/21/2020 4:53:08 AM
Surr: 4-Bromofluorobenzene	97.3	70-130		%Rec	1	7/21/2020 4:53:08 AM
Surr: Dibromofluoromethane	96.8	70-130		%Rec	1	7/21/2020 4:53:08 AM
Surr: Toluene-d8	106	70-130		%Rec	1	7/21/2020 4:53:08 AM
EPA METHOD 8015D MOD: GASOLINE RANGE						Analyst: JMR
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	7/21/2020 4:53:08 AM
Surr: BFB	106	70-130		%Rec	1	7/21/2020 4:53:08 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 **2007898**

Date Reported: **7/24/2020**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Pima Environmental Services LLC

Client Sample ID: S14-3'

Project: Jasper 32 St Com 7H

Collection Date: 7/15/2020

Lab ID: 2007898-024

Matrix: SOIL

Received Date: 7/17/2020 11:10:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: BRM
Diesel Range Organics (DRO)	ND	9.8		mg/Kg	1	7/22/2020 11:06:55 PM
Motor Oil Range Organics (MRO)	ND	49		mg/Kg	1	7/22/2020 11:06:55 PM
Surr: DNOP	111	55.1-146		%Rec	1	7/22/2020 11:06:55 PM
EPA METHOD 300.0: ANIONS						Analyst: MRA
Chloride	410	60		mg/Kg	20	7/22/2020 2:51:37 AM
EPA METHOD 8260B: VOLATILES SHORT LIST						Analyst: JMR
Benzene	ND	0.025		mg/Kg	1	7/21/2020 9:38:40 PM
Toluene	ND	0.049		mg/Kg	1	7/21/2020 9:38:40 PM
Ethylbenzene	ND	0.049		mg/Kg	1	7/21/2020 9:38:40 PM
Xylenes, Total	ND	0.099		mg/Kg	1	7/21/2020 9:38:40 PM
Surr: 1,2-Dichloroethane-d4	106	70-130		%Rec	1	7/21/2020 9:38:40 PM
Surr: 4-Bromofluorobenzene	92.7	70-130		%Rec	1	7/21/2020 9:38:40 PM
Surr: Dibromofluoromethane	109	70-130		%Rec	1	7/21/2020 9:38:40 PM
Surr: Toluene-d8	99.5	70-130		%Rec	1	7/21/2020 9:38:40 PM
EPA METHOD 8015D MOD: GASOLINE RANGE						Analyst: JMR
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	7/21/2020 9:38:40 PM
Surr: BFB	93.8	70-130		%Rec	1	7/21/2020 9:38:40 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#: 2007898

24-Jul-20

Client: Pima Environmental Services LLC

Project: Jasper 32 St Com 7H

Sample ID: MB-53879	SampType: mblk	TestCode: EPA Method 300.0: Anions								
Client ID: PBS	Batch ID: 53879	RunNo: 70511								
Prep Date: 7/21/2020	Analysis Date: 7/21/2020	SeqNo: 2452665	Units: mg/Kg							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	ND	1.5								

Sample ID: LCS-53879	SampType: ics	TestCode: EPA Method 300.0: Anions								
Client ID: LCSS	Batch ID: 53879	RunNo: 70511								
Prep Date: 7/21/2020	Analysis Date: 7/21/2020	SeqNo: 2452666	Units: mg/Kg							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	14	1.5	15.00	0	94.2	90	110			

Sample ID: MB-53881	SampType: mblk	TestCode: EPA Method 300.0: Anions								
Client ID: PBS	Batch ID: 53881	RunNo: 70511								
Prep Date: 7/21/2020	Analysis Date: 7/21/2020	SeqNo: 2452695	Units: mg/Kg							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	ND	1.5								

Sample ID: LCS-53881	SampType: ics	TestCode: EPA Method 300.0: Anions								
Client ID: LCSS	Batch ID: 53881	RunNo: 70511								
Prep Date: 7/21/2020	Analysis Date: 7/21/2020	SeqNo: 2452696	Units: mg/Kg							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	14	1.5	15.00	0	95.2	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#: 2007898

24-Jul-20

Client: Pima Environmental Services LLC

Project: Jasper 32 St Com 7H

Sample ID: LCS-53863	SampType: LCS	TestCode: EPA Method 8015M/D: Diesel Range Organics								
Client ID: LCSS	Batch ID: 53863	RunNo: 70513								
Prep Date: 7/21/2020	Analysis Date: 7/22/2020	SeqNo: 2453272	Units: %Rec							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: DNOP	7.0		5.000		141	55.1	146			

Sample ID: MB-53863	SampType: MBLK	TestCode: EPA Method 8015M/D: Diesel Range Organics								
Client ID: PBS	Batch ID: 53863	RunNo: 70513								
Prep Date: 7/21/2020	Analysis Date: 7/22/2020	SeqNo: 2453273	Units: %Rec							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: DNOP	13		10.00		132	55.1	146			

Sample ID: 2007898-001AMS	SampType: MS	TestCode: EPA Method 8015M/D: Diesel Range Organics								
Client ID: BG1	Batch ID: 53858	RunNo: 70513								
Prep Date: 7/21/2020	Analysis Date: 7/22/2020	SeqNo: 2453558	Units: mg/Kg							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	63	9.9	49.70	3.007	121	47.4	136			
Surr: DNOP	4.0		4.970		79.8	55.1	146			

Sample ID: 2007898-001AMSD	SampType: MSD	TestCode: EPA Method 8015M/D: Diesel Range Organics								
Client ID: BG1	Batch ID: 53858	RunNo: 70513								
Prep Date: 7/21/2020	Analysis Date: 7/22/2020	SeqNo: 2453559	Units: mg/Kg							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	53	9.3	46.38	3.007	109	47.4	136	16.7	43.4	
Surr: DNOP	2.4		4.638		51.3	55.1	146	0	0	S

Sample ID: LCS-53858	SampType: LCS	TestCode: EPA Method 8015M/D: Diesel Range Organics								
Client ID: LCSS	Batch ID: 53858	RunNo: 70513								
Prep Date: 7/21/2020	Analysis Date: 7/22/2020	SeqNo: 2453638	Units: mg/Kg							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	56	10	50.00	0	111	70	130			
Surr: DNOP	5.3		5.000		105	55.1	146			

Sample ID: LCS-53860	SampType: LCS	TestCode: EPA Method 8015M/D: Diesel Range Organics								
Client ID: LCSS	Batch ID: 53860	RunNo: 70513								
Prep Date: 7/21/2020	Analysis Date: 7/22/2020	SeqNo: 2453639	Units: mg/Kg							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	60	10	50.00	0	120	70	130			
Surr: DNOP	4.7		5.000		94.5	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#: 2007898

24-Jul-20

Client: Pima Environmental Services LLC

Project: Jasper 32 St Com 7H

Sample ID: MB-53858	SampType: MBLK	TestCode: EPA Method 8015M/D: Diesel Range Organics								
Client ID: PBS	Batch ID: 53858	RunNo: 70513								
Prep Date: 7/21/2020	Analysis Date: 7/22/2020	SeqNo: 2453644	Units: mg/Kg							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	ND	10								
Motor Oil Range Organics (MRO)	ND	50								
Surr: DNOP	12		10.00		124	55.1	146			

Sample ID: MB-53860	SampType: MBLK	TestCode: EPA Method 8015M/D: Diesel Range Organics								
Client ID: PBS	Batch ID: 53860	RunNo: 70513								
Prep Date: 7/21/2020	Analysis Date: 7/22/2020	SeqNo: 2453648	Units: mg/Kg							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	ND	10								
Motor Oil Range Organics (MRO)	ND	50								
Surr: DNOP	7.8		10.00		77.6	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#: 2007898

24-Jul-20

Client: Pima Environmental Services LLC

Project: Jasper 32 St Com 7H

Sample ID: mb-53806	SampType: MBLK	TestCode: EPA Method 8015D: Gasoline Range								
Client ID: PBS	Batch ID: 53806	RunNo: 70475								
Prep Date: 7/19/2020	Analysis Date: 7/20/2020	SeqNo: 2451151	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	890		1000		89.4	66.6	105			

Sample ID: ics-53806	SampType: LCS	TestCode: EPA Method 8015D: Gasoline Range								
Client ID: LCSS	Batch ID: 53806	RunNo: 70475								
Prep Date: 7/19/2020	Analysis Date: 7/20/2020	SeqNo: 2451152	Units: mg/Kg							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	19	5.0	25.00	0	77.9	72.5	106			
Surr: BFB	970		1000		97.4	66.6	105			

Qualifiers:

- * Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical 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#: 2007898

24-Jul-20

Client: Pima Environmental Services LLC

Project: Jasper 32 St Com 7H

Sample ID: mb-53806	SampType: MBLK	TestCode: EPA Method 8021B: Volatiles								
Client ID: PBS	Batch ID: 53806	RunNo: 70475								
Prep Date: 7/19/2020	Analysis Date: 7/20/2020	SeqNo: 2451184	Units: mg/Kg							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	ND	0.025								
Toluene	ND	0.050								
Ethylbenzene	ND	0.050								
Xylenes, Total	ND	0.10								
Surr: 4-Bromofluorobenzene	1.1		1.000		107	80	120			

Sample ID: LCS-53806	SampType: LCS	TestCode: EPA Method 8021B: Volatiles								
Client ID: LCSS	Batch ID: 53806	RunNo: 70475								
Prep Date: 7/19/2020	Analysis Date: 7/20/2020	SeqNo: 2451185	Units: mg/Kg							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.94	0.025	1.000	0	94.4	80	120			
Toluene	0.93	0.050	1.000	0	93.1	80	120			
Ethylbenzene	0.94	0.050	1.000	0	94.2	80	120			
Xylenes, Total	2.9	0.10	3.000	0	95.4	80	120			
Surr: 4-Bromofluorobenzene	1.1		1.000		110	80	120			

Qualifiers:

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

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

WO#: 2007898

24-Jul-20

Client: Pima Environmental Services LLC**Project:** Jasper 32 St Com 7H

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Sample ID: mb-53807 SampType: MBLK TestCode: EPA Method 8260B: Volatiles Short List										
Client ID: PBS Batch ID: 53807 RunNo: 70481										
Prep Date: 7/19/2020 Analysis Date: 7/20/2020 SeqNo: 2451512 Units: mg/Kg										
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		106	70	130			
Surr: 4-Bromofluorobenzene	0.48		0.5000		95.2	70	130			
Surr: Dibromofluoromethane	0.57		0.5000		115	70	130			
Surr: Toluene-d8	0.52		0.5000		104	70	130			

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Sample ID: ics-53807 SampType: LCS4 TestCode: EPA Method 8260B: Volatiles Short List										
Client ID: BatchQC Batch ID: 53807 RunNo: 70481										
Prep Date: 7/19/2020 Analysis Date: 7/20/2020 SeqNo: 2451513 Units: mg/Kg										
Benzene	1.1	0.025	1.000	0	109	80	120			
Toluene	1.0	0.050	1.000	0	99.6	80	120			
Ethylbenzene	1.0	0.050	1.000	0	104	80	120			
Xylenes, Total	3.1	0.10	3.000	0	105	80	120			
Surr: 1,2-Dichloroethane-d4	0.51		0.5000		103	70	130			
Surr: 4-Bromofluorobenzene	0.45		0.5000		89.7	70	130			
Surr: Dibromofluoromethane	0.54		0.5000		108	70	130			
Surr: Toluene-d8	0.51		0.5000		102	70	130			

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Sample ID: mb-53809 SampType: MBLK TestCode: EPA Method 8260B: Volatiles Short List										
Client ID: PBS Batch ID: 53809 RunNo: 70485										
Prep Date: 7/19/2020 Analysis Date: 7/21/2020 SeqNo: 2451649 Units: mg/Kg										
Benzene	ND	0.025								
Toluene	ND	0.050								
Ethylbenzene	ND	0.050								
Xylenes, Total	ND	0.10								
Surr: 1,2-Dichloroethane-d4	0.50		0.5000		99.9	70	130			
Surr: 4-Bromofluorobenzene	0.47		0.5000		94.1	70	130			
Surr: Dibromofluoromethane	0.49		0.5000		98.7	70	130			
Surr: Toluene-d8	0.53		0.5000		106	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#: 2007898

24-Jul-20

Client: Pima Environmental Services LLC

Project: Jasper 32 St Com 7H

Sample ID: Ics-53809	SampType: LCS4		TestCode: EPA Method 8260B: Volatiles Short List							
Client ID: BatchQC	Batch ID: 53809		RunNo: 70485							
Prep Date: 7/19/2020	Analysis Date: 7/20/2020		SeqNo: 2451650		Units: mg/Kg					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.97	0.025	1.000	0	97.1	80	120			
Toluene	1.0	0.050	1.000	0	104	80	120			
Ethylbenzene	1.0	0.050	1.000	0	102	80	120			
Xylenes, Total	3.1	0.10	3.000	0	103	80	120			
Surr: 1,2-Dichloroethane-d4	0.50		0.5000		99.8	70	130			
Surr: 4-Bromofluorobenzene	0.47		0.5000		94.3	70	130			
Surr: Dibromofluoromethane	0.49		0.5000		98.5	70	130			
Surr: Toluene-d8	0.53		0.5000		107	70	130			

Sample ID: 2007898-023ams	SampType: MS4		TestCode: EPA Method 8260B: Volatiles Short List							
Client ID: S14-2	Batch ID: 53809		RunNo: 70485							
Prep Date: 7/19/2020	Analysis Date: 7/21/2020		SeqNo: 2451652		Units: mg/Kg					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	1.0	0.024	0.9569	0	109	71.1	115			
Toluene	1.1	0.048	0.9569	0	120	79.6	132			
Ethylbenzene	1.2	0.048	0.9569	0	123	83.8	134			
Xylenes, Total	3.5	0.096	2.871	0	123	82.4	132			
Surr: 1,2-Dichloroethane-d4	0.46		0.4785		95.7	70	130			
Surr: 4-Bromofluorobenzene	0.46		0.4785		95.4	70	130			
Surr: Dibromofluoromethane	0.45		0.4785		94.9	70	130			
Surr: Toluene-d8	0.49		0.4785		103	70	130			

Sample ID: 2007898-023amsd	SampType: MSD4		TestCode: EPA Method 8260B: Volatiles Short List							
Client ID: S14-2	Batch ID: 53809		RunNo: 70485							
Prep Date: 7/19/2020	Analysis Date: 7/21/2020		SeqNo: 2451653		Units: mg/Kg					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	1.0	0.024	0.9785	0	103	71.1	115	3.64	20	
Toluene	1.1	0.049	0.9785	0	114	79.6	132	2.50	20	
Ethylbenzene	1.1	0.049	0.9785	0	114	83.8	134	5.74	20	
Xylenes, Total	3.4	0.098	2.935	0	115	82.4	132	4.59	20	
Surr: 1,2-Dichloroethane-d4	0.47		0.4892		96.0	70	130	0	0	
Surr: 4-Bromofluorobenzene	0.44		0.4892		90.3	70	130	0	0	
Surr: Dibromofluoromethane	0.46		0.4892		93.7	70	130	0	0	
Surr: Toluene-d8	0.51		0.4892		104	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#: 2007898

24-Jul-20

Client: Pima Environmental Services LLC**Project:** Jasper 32 St Com 7H

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Sample ID: 2007898-003ams SampType: MS4 TestCode: EPA Method 8260B: Volatiles Short List										
Client ID: BG3 Batch ID: 53807 RunNo: 70527										
Prep Date: 7/19/2020 Analysis Date: 7/22/2020 SeqNo: 2453874 Units: mg/Kg										
Benzene	1.0	0.025	0.9881	0	101	71.1	115			
Toluene	1.1	0.049	0.9881	0	108	79.6	132			
Ethylbenzene	1.1	0.049	0.9881	0	107	83.8	134			
Xylenes, Total	3.2	0.099	2.964	0	108	82.4	132			
Surr: 1,2-Dichloroethane-d4	0.51		0.4941		104	70	130			
Surr: 4-Bromofluorobenzene	0.47		0.4941		94.8	70	130			
Surr: Dibromofluoromethane	0.50		0.4941		102	70	130			
Surr: Toluene-d8	0.53		0.4941		107	70	130			

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Sample ID: 2007898-003amsd SampType: MSD4 TestCode: EPA Method 8260B: Volatiles Short List										
Client ID: BG3 Batch ID: 53807 RunNo: 70527										
Prep Date: 7/19/2020 Analysis Date: 7/22/2020 SeqNo: 2453875 Units: mg/Kg										
Benzene	1.0	0.025	0.9980	0	101	71.1	115	1.35	20	
Toluene	1.1	0.050	0.9980	0	111	79.6	132	2.91	20	
Ethylbenzene	1.1	0.050	0.9980	0	109	83.8	134	2.54	20	
Xylenes, Total	3.3	0.10	2.994	0	109	82.4	132	1.12	20	
Surr: 1,2-Dichloroethane-d4	0.49		0.4990		98.6	70	130	0	0	
Surr: 4-Bromofluorobenzene	0.48		0.4990		95.9	70	130	0	0	
Surr: Dibromofluoromethane	0.50		0.4990		99.4	70	130	0	0	
Surr: Toluene-d8	0.53		0.4990		107	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#: 2007898

24-Jul-20

Client: Pima Environmental Services LLC

Project: Jasper 32 St Com 7H

Sample ID: mb-53807	SampType: MBLK		TestCode: EPA Method 8015D Mod: Gasoline Range							
Client ID: PBS	Batch ID: 53807		RunNo: 70481							
Prep Date: 7/19/2020	Analysis Date: 7/20/2020		SeqNo: 2451539		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		98.3	70	130			

Sample ID: ics-53807	SampType: LCS		TestCode: EPA Method 8015D Mod: Gasoline Range							
Client ID: LCSS	Batch ID: 53807		RunNo: 70481							
Prep Date: 7/19/2020	Analysis Date: 7/20/2020		SeqNo: 2451540		Units: mg/Kg					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	18	5.0	25.00	0	71.8	70	130			
Surr: BFB	490		500.0		98.5	70	130			

Sample ID: mb-53809	SampType: MBLK		TestCode: EPA Method 8015D Mod: Gasoline Range							
Client ID: PBS	Batch ID: 53809		RunNo: 70485							
Prep Date: 7/19/2020	Analysis Date: 7/21/2020		SeqNo: 2451618		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	530		500.0		106	70	130			

Sample ID: ics-53809	SampType: LCS		TestCode: EPA Method 8015D Mod: Gasoline Range							
Client ID: LCSS	Batch ID: 53809		RunNo: 70485							
Prep Date: 7/19/2020	Analysis Date: 7/20/2020		SeqNo: 2451619		Units: mg/Kg					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	22	5.0	25.00	0	86.7	70	130			
Surr: BFB	510		500.0		103	70	130			

Sample ID: 2007898-004ams	SampType: MS		TestCode: EPA Method 8015D Mod: Gasoline Range							
Client ID: S1-0-6"	Batch ID: 53807		RunNo: 70527							
Prep Date: 7/19/2020	Analysis Date: 7/22/2020		SeqNo: 2454051		Units: mg/Kg					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	21	5.0	24.93	0	85.8	70	130			
Surr: BFB	510		498.5		102	70	130			

Sample ID: 2007898-004amsd	SampType: MSD		TestCode: EPA Method 8015D Mod: Gasoline Range							
Client ID: S1-0-6"	Batch ID: 53807		RunNo: 70527							
Prep Date: 7/19/2020	Analysis Date: 7/22/2020		SeqNo: 2454052		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#: 2007898

24-Jul-20

Client: Pima Environmental Services LLC**Project:** Jasper 32 St Com 7H

Sample ID: 2007898-004amsd	SampType: MSD	TestCode: EPA Method 8015D Mod: Gasoline Range								
Client ID: S1-0-6"	Batch ID: 53807	RunNo: 70527								
Prep Date: 7/19/2020	Analysis Date: 7/22/2020	SeqNo: 2454052	Units: mg/Kg							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	21	5.0	24.80	0	86.0	70	130	0.218	20	
Surr: BFB	520		496.0		105	70	130	0	0	

Sample ID: 2007898-024ams	SampType: MS	TestCode: EPA Method 8015D Mod: Gasoline Range								
Client ID: S14-3'	Batch ID: 53809	RunNo: 70577								
Prep Date: 7/19/2020	Analysis Date: 7/23/2020	SeqNo: 2455082	Units: mg/Kg							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	20	4.9	24.30	0	82.8	70	130			
Surr: BFB	490		485.9		102	70	130			

Sample ID: 2007898-024amsd	SampType: MSD	TestCode: EPA Method 8015D Mod: Gasoline Range								
Client ID: S14-3'	Batch ID: 53809	RunNo: 70577								
Prep Date: 7/19/2020	Analysis Date: 7/23/2020	SeqNo: 2455083	Units: mg/Kg							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	21	4.9	24.70	0	86.0	70	130	5.50	20	
Surr: BFB	510		494.1		104	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 Servi Work Order Number: 2007898 RcptNo: 1

Received By: Isaiah Ortiz 7/17/2020 11:10:00 AM ILOX
Completed By: Isaiah Ortiz 7/17/2020 11:22:16 AM ILOX
Reviewed By: LB 7/17/20

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: (<2 or >12 unless noted)
Adjusted?
Checked by: SPA 7.17.20

Special Handling (if applicable)

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

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

16. Additional remarks:

17. Cooler Information

Table with 7 columns: Cooler No, Temp °C, Condition, Seal Intact, Seal No, Seal Date, Signed By. Row 1: 1, 4.5, Good, Not Present, , ,

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@pimseil.com

QA/QC Package:
 Standard Level 4 (Full Validation)
 Accreditation: AZ Compliance
 NELAC Other
 EDD (Type)

Turn-Around Time: 5 Day
 Standard Rush
 Project Name: Jasper 32 St. Com 7A
 Project #: 20868750

Project Manager: Chris Jones
 Sampler: Chris Jones
 Date: 7/5/20

Date	Time	Matrix	Sample Name	Container Type and #	Preservative Type	HEAL No.
			BG1	GLASS	ICE	-001
			BG2			-002
			BG3			-003
			S1-0-6"			-004
			S2-0-6"			-005
			S3-0-6"			-006
			S4-0-6"			-007
			S5-0-6"			-008
			S6-0-6"			-009
			S6-1'			-010
			S7-0-6"			-011
			S8-0-6"			-012

Relinquished by: Chris Jones Date: 7/5/20 Time: 1900
 Relinquished by: Chris Jones Date: 7/10/20 Time: 0740
 Received by: Chris Jones Date: 7/10/20 Time: 0740
 Received by: Chris Jones Date: 7/10/20 Time: 0740



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

Remarks: Bill to Devon

If necessary, samples submitted to Hall Environmental may be subcontracted to other accredited laboratories. This service is not a part of this analysis. Any such subcontracted data will be clearly marked as such.

Chain-of-Custody Record

Client: Pima Environmental
 Mailing Address: 601 N. Turner Ste 500
Hobbs, NM 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
 Standard Rush
 Project Name: Sasper 32 St Com 7H
 Project #: 2086 8750

Project Manager:
Chris Jones

Sampler:
 Office Yes No
 # of Coplers: 1
 Cooler Temp: 94.0 F (35.0 C)
 Container Type and #
GLASS ICE

Date	Time	Matrix	Sample Name	Preservative Type	HEAT No
7/15/20			S8-1'		-013
			S8-2'		-014
			S6-2'		-015
			S9-0-6"		-016
			S10-0-6"		-017
			S11-0-6"		-018
			S12-0-6"		-019
			S13-0-6"		-020
			S14-0-6"		-021
			S14-1'		-022
			S14-2'		-023
			S14-3'		-024

Received by: W. Williams Date: 7/16/20 0740
 Received by: W. Williams Date: 7/16/20 0740



HALL ENVIRONMENTAL ANALYSIS LABORATORY
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 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 , PO ₄ , SO ₄	8260 (VOA)	8270 (Semi-VOA)	Total Coliform (Present/Absent)
									Chloride

Remarks:
Bill To Devon

If necessary, samples submitted to Hall Environmental may be subcontracted to other accredited laboratories. This service is not available for all states. Accredited data will be attached to the report.