

Site Assessment/Characterization

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

What is the shallowest depth to groundwater beneath the area affected by the release?	_____ 4 (ft bgs)
Did this release impact groundwater or surface water?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within 300 feet of a continuously flowing watercourse or any other significant watercourse?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within 200 feet of any lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark)?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within 300 feet of an occupied permanent residence, school, hospital, institution, or church?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within 500 horizontal feet of a spring or a private domestic fresh water well used by less than five households for domestic or stock watering purposes?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within 1000 feet of any other fresh water well or spring?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within incorporated municipal boundaries or within a defined municipal fresh water well field?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within 300 feet of a wetland?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release overlying a subsurface mine?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release overlying an unstable area such as karst geology?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within a 100-year floodplain?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Did the release impact areas not on an exploration, development, production, or storage site?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No

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

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

- Scaled site map showing impacted area, surface features, subsurface features, delineation points, and monitoring wells.
- Field data
- Data table of soil contaminant concentration data
- Depth to water determination
- Determination of water sources and significant watercourses within 1/2-mile of the lateral extents of the release
- Boring or excavation logs
- Photographs including date and GIS information
- Topographic/Aerial maps
- Laboratory data including chain of custody

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

Incident ID	NAB1532751453
District RP	2RP-3413
Facility ID	
Application ID	

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

Printed Name: Dale Woodall

Title: Environmental Professional

Signature: Dale Woodall

Date: 12/28/2022

email: Dale.Woodall@dvn.com

Telephone: 575-748-1838

OCD Only

Received by: Jocelyn Harimon

Date: 12/28/2022

Incident ID	NAB1532751453
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Closure

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

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

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

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Printed Name: Dale Woodall

Title: Environmental Professional

Signature: *Dale Woodall*

Date: 12/28/2022

email: dale.woodall@dvn.com

Telephone: 575-748-1838

OCD Only

Received by: Jocelyn Harimon

Date: 12/28/2022

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

Closure Approved by: *Ashley Maxwell* Date: 2/02/2023

Printed Name: Ashley Maxwell

Title: Environmental Specialist



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

Request For Incident Closure

December 17, 2020

Re: Assessment and Closure Report
Ore Ida 14 Fed #2
API No. 30-015-28930
GPS: Latitude 32.219266 Longitude -103.962202
UL "E", Sec. 14, T24S, R29E
Eddy County, NM
NMOCD Ref. No. 2RP-3413

Pima Environmental Services, LLC (Pima) has conducted an assessment and has prepared this Closure Report on behalf of Devon Energy Production Company (Devon) for the Ore Ida 14 Fed #2 (Ore Ida). This incident was assigned 2RP-3413, Incident ID NAB1532751453, by the New Mexico Oil Conservation Division (NMOCD).

Site Information and Site Characterization

The Nermal is located approximately six (6) miles east of Malaga, NM. This spill site is in Unit E, Section 14, Township 24S, Range 29E, Latitude 32.219266, Longitude -103.962202, Eddy County, NM.

Based upon New Mexico Office of the State Engineer well water data, depth to the nearest groundwater in this area is 4-feet below grade surface (BGS). See Appendix A for referenced water survey. This well is located in a low Karst area.

Table 1 NMAC and Closure Criteria 19.15.29					
Depth to Groundwater (Appendix A)	Constituent & Limits				
	Chlorides	Total TPH	GRO+DRO	BTEX	Benzene
<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

Release Information

2RP-3413: On January 16, 2018, the lease operator found the heater had a blown gasket, which allowed fluid to spill out of the opening onto the engineered steel and poly lined containment. The lost fluids were calculated to be approximately 8.7 barrels (bbls) of oil. The lease operator isolated the vessel and dispatched a vac truck that was able to recover 6 bbls.

Site Assessment and Soil Sampling Results

On December 3, 2020, Pima Environmental conducted an assessment and obtained soil samples in the area of the spill. The results of those samples are in the following data table.

12-3-20 Soil Sample Report

NMOCD Table 1 Closure Criteria 19.15.29 NMAC (Depth to Groundwater is <50')								
Sample Date	12-4-20	NM Approved Laboratory Results						
Sample ID	Depth (BGS)	BTEX mg/kg	Benzene mg/kg	GRO mg/kg	DRO mg/kg	MRO mg/kg	Total TPH mg/kg	Cl mg/kg
S-1	0-6	ND	ND	ND	ND	ND	ND	ND
	1	ND	ND	ND	ND	ND	ND	ND
	2	ND	ND	ND	ND	ND	ND	ND
	3	ND	ND	ND	ND	ND	ND	ND
S-2	0-6	ND	ND	ND	ND	ND	ND	ND
	1	ND	ND	ND	ND	ND	ND	ND
	2	ND	ND	ND	ND	ND	ND	ND
	3	ND	ND	ND	ND	ND	ND	ND
S-3	0-6	ND	ND	ND	ND	ND	ND	ND
	1	ND	ND	ND	ND	ND	ND	ND
	2	ND	ND	ND	ND	ND	ND	ND
	3	ND	ND	ND	ND	ND	ND	ND
S-4	0-6	ND	ND	ND	ND	ND	ND	ND
	1	ND	ND	ND	ND	ND	ND	ND
	2	ND	ND	ND	ND	ND	ND	ND
	3	ND	ND	ND	ND	ND	ND	ND
S-5	0-6	ND	ND	ND	ND	ND	ND	ND
	1	ND	ND	ND	ND	ND	ND	ND
	2	ND	ND	ND	ND	ND	ND	ND
	3	ND	ND	ND	ND	ND	ND	ND
S-6	0-6	ND	ND	ND	ND	ND	ND	ND
	1	ND	ND	ND	ND	ND	ND	ND
	2	ND	ND	ND	ND	ND	ND	ND
	3	ND	ND	ND	ND	ND	ND	ND

ND- Analyte Not Detected

A complete laboratory report is attached to Appendix C.

Closure Request

After careful review, Pima requests that this incident, NAB1532751453, be closed. Devon has complied with the approved work plan and applicable closure requirements.

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

Respectfully,



Chris Jones
Environmental Professional
Pima Environmental Services, LLC

Attachments

Figures:

1- Site Map

Appendices:

Appendix A- Referenced Water Survey

Appendix B- C-141's

Appendix C- Laboratory Analysis



Pima Environmental Services

Figures:
I-Site Map

Devon Energy

Ore Ida 14 Fed #2
API 30-015-28930
Eddy County, NM
Site Map

Legend

- Ore Ida 2
- Samples



Google Earth

200 ft



Pima Environmental Services

Appendix A
Water Survey:
OSE



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	Q Sec	Tws	Rng	X	Y	Distance	DepthWell	DepthWater	Water Column
C 04481 POD8		CUB	ED	1	3	4	03	24S	29E	596852	3567655	2576	125		
C 04481 POD7		CUB	ED	2	4	3	03	14S	29E	596800	3567655	2594	110		
C 04481 POD6		CUB	ED	2	4	3	03	24S	29E	596748	3567654	2613	120		
C 04481 POD4		CUB	ED	2	4	3	03	24S	29E	596747	3567685	2642	150		
C 04481 POD2		CUB	ED	1	3	4	03	24S	29E	596852	3567748	2664	120		
C 04481 POD5		CUB	ED	2	4	3	03	24S	29E	596747	3567747	2699	120		
C 04481 POD1		CUB	ED	1	3	4	03	24S	29E	596799	3567778	2710	135		
C 04481 POD3		CUB	ED	2	4	3	03	24S	29E	596799	3567778	2710	120		
C 00863		CUB	ED	3	3	1	16	24S	29E	594524	3565091*	3223	220		
C 00863 CLW199506	O	CUB	ED	3	3	1	16	24S	29E	594524	3565091*	3223	220		
C 00463		C	ED	4	4	4	17	24S	29E	594332	3564282*	3543	260	4	256

Average Depth to Water: **4 feet**
 Minimum Depth: **4 feet**
 Maximum Depth: **4 feet**

Record Count: 11

UTMNAD83 Radius Search (in meters):

Easting (X): 597743.654

Northing (Y): 3565238.123

Radius: 4000

*UTM location was derived from PLSS - see Help

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

12/17/20 2:27 PM

WATER COLUMN/ AVERAGE DEPTH TO WATER



Pima Environmental Services

Appendix B
C-141's:
Initial
Final

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

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

Form C-141
Revised August 8, 2011

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

Release Notification and Corrective Action

NAB1532751453

OPERATOR Initial Report Final Report

Name of Company Devon Energy <i>1137</i>	Contact Aaron Kidd Construction Assistant Foreman
Address PO Box 250 Artesia, NM 88211	Telephone No. 575-513-1770
Facility Name Ore Ida 14 Fed 2	Facility Type Oil

Surface Owner Federal	Mineral Owner Federal	API No. 30-015-28930
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LOCATION OF RELEASE

Unit Letter	Section	Township	Range	Feet from the	North/South Line	Feet from the	East/West Line	County
E	14	24S	29E	1980	N	330	W	EDDY

Latitude: 32.219266 Longitude: -103.962202

NATURE OF RELEASE

Type of Release Produced Water	Volume of Release 25 BBL	Volume Recovered 20 BBL
Source of Release Produced water transfer line	Date and Hour of Occurrence 11/18/15 1:00 PM	Date and Hour of Discovery 11/18/15 1:00 PM
Was Immediate Notice Given? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Not Required	If YES, To Whom? OCD Jim Amos BLM Mike Bratcher	
By Whom? Aaron Kidd	Date and Hour OCD 11/19/15 7:30 AM BLM 11/19/15 7:45 AM	NM OIL CONSERVATION ARTESIA DISTRICT NOV 20 2015 RECEIVED
Was a Watercourse Reached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	If YES, Volume Impacting the Watercourse. N/A	

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

Describe Cause of Problem and Remedial Action Taken.*
While hlding the lease road, the blade hit a 3" unmarked poly produced water transfer line. A berm was built to contain produced water until vacuum truck arrived. Shut down transfer pumps associated with transfer line.

Describe Area Affected and Cleanup Action Taken.*
25 BBL of produced water was released on a 5 X 100 area on northeast side of lease road and 20 BBL was recovered. An environmental agency will be called out for remediation.

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Signature: <i>Jessica Sanchez</i>	OIL CONSERVATION DIVISION	
Printed Name: Jessica Sanchez	Approved by Environmental Specialist: <i>[Signature]</i>	
Title: Field Admin Support	Approval Date: 11/23/15	Expiration Date: N/A
E-mail Address: Jessica.Sanchez@dvn.com	Conditions of Approval:	
Date: 6.30.14 Phone: 575-746-5594	Remediation per O.C.D. Rules & Guidelines SUBMIT REMEDIATION PROPOSAL NO LATER THAN: 12/23/15	

Attached

* Attach Additional Sheets If Necessary

2RP-3413

Patterson, Heather, EMNRD

From: Sanchez, Jessica <Jessica.Sanchez@dvn.com>
Sent: Friday, November 20, 2015 2:40 PM
To: jamos@blm.gov; stucker@blm.com; Patterson, Heather, EMNRD; Bratcher, Mike, EMNRD
Cc: Fulks, Brett; Kidd, Aaron
Subject: C-141 Ore Ida 14 Fed 2
Attachments: C-141 Ore Ida 14 Fed 2.doc; GIS mapping Ore Ida 14 Fed 2.pdf

Please see attached, if any questions contact Construction Assistant Foreman Aaron Kidd or EHS Representative Brett Fulks.

Thank you,

Jessica Sanchez
Field Admin Support - Construction

Devon Energy Corporation
6488 Seven Rivers Hwy
Artesia, NM 88210
575-746-5594
Jessica.Sanchez@dvn.com



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

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State of New Mexico
Oil Conservation Division

Page 2

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Printed Name: Dale Woodall

Title: Environmental Professional

Signature: *Dale Woodall*

Date: 12/28/2022

email: Dale.Woodall@dvn.com

Telephone: 575-748-1838

OCD Only

Received by: _____

Date: _____

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Title: Environmental Professional

Signature: *Dale Woodall*

Date: 12/28/2022

email: dale.woodall@dvn.com

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OCD Only

Received by: _____

Date: _____

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Closure Approved by: _____ Date: _____

Printed Name: _____

Title: _____



Pima Environmental Services

Appendix C:
Laboratory Analysis



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

December 17, 2020

Chris Jones

Pima Environmental Services LLC

1601 N. Turner Ste 500

Hobbs, NM 88240

TEL: (575) 631-6977

FAX

RE: Ore Ida 14 Fed 2

OrderNo.: 2012607

Dear Chris Jones:

Hall Environmental Analysis Laboratory received 24 sample(s) on 12/11/2020 for the analyses presented in the following report.

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

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

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

Sincerely,

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

Andy Freeman

Laboratory Manager

4901 Hawkins NE

Albuquerque, NM 87109

Analytical Report

Lab Order **2012607**

Date Reported: **12/17/2020**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Pima Environmental Services LLC

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

Project: Ore Ida 14 Fed 2

Collection Date: 12/4/2020

Lab ID: 2012607-001

Matrix: SOIL

Received Date: 12/11/2020 8:00:00 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	12/12/2020 3:49:55 PM
Motor Oil Range Organics (MRO)	ND	50		mg/Kg	1	12/12/2020 3:49:55 PM
Surr: DNOP	130	30.4-154		%Rec	1	12/12/2020 3:49:55 PM
EPA METHOD 8015D: GASOLINE RANGE						Analyst: RAA
Gasoline Range Organics (GRO)	ND	4.8		mg/Kg	1	12/13/2020 7:33:47 PM
Surr: BFB	86.9	75.3-105		%Rec	1	12/13/2020 7:33:47 PM
EPA METHOD 8021B: VOLATILES						Analyst: RAA
Benzene	ND	0.024		mg/Kg	1	12/13/2020 7:33:47 PM
Toluene	ND	0.048		mg/Kg	1	12/13/2020 7:33:47 PM
Ethylbenzene	ND	0.048		mg/Kg	1	12/13/2020 7:33:47 PM
Xylenes, Total	ND	0.097		mg/Kg	1	12/13/2020 7:33:47 PM
Surr: 4-Bromofluorobenzene	88.3	80-120		%Rec	1	12/13/2020 7:33:47 PM
EPA METHOD 300.0: ANIONS						Analyst: VP
Chloride	ND	60		mg/Kg	20	12/14/2020 10:05:34 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 **2012607**

Date Reported: **12/17/2020**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Pima Environmental Services LLC

Client Sample ID: S-1 1'

Project: Ore Ida 14 Fed 2

Collection Date: 12/4/2020

Lab ID: 2012607-002

Matrix: SOIL

Received Date: 12/11/2020 8:00:00 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	12/12/2020 3:59:29 PM
Motor Oil Range Organics (MRO)	ND	49		mg/Kg	1	12/12/2020 3:59:29 PM
Surr: DNOP	112	30.4-154		%Rec	1	12/12/2020 3:59:29 PM
EPA METHOD 8015D: GASOLINE RANGE						Analyst: RAA
Gasoline Range Organics (GRO)	ND	4.7		mg/Kg	1	12/13/2020 7:56:54 PM
Surr: BFB	86.6	75.3-105		%Rec	1	12/13/2020 7:56:54 PM
EPA METHOD 8021B: VOLATILES						Analyst: RAA
Benzene	ND	0.024		mg/Kg	1	12/13/2020 7:56:54 PM
Toluene	ND	0.047		mg/Kg	1	12/13/2020 7:56:54 PM
Ethylbenzene	ND	0.047		mg/Kg	1	12/13/2020 7:56:54 PM
Xylenes, Total	ND	0.095		mg/Kg	1	12/13/2020 7:56:54 PM
Surr: 4-Bromofluorobenzene	88.8	80-120		%Rec	1	12/13/2020 7:56:54 PM
EPA METHOD 300.0: ANIONS						Analyst: VP
Chloride	ND	60		mg/Kg	20	12/14/2020 11:07:38 PM

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

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

Analytical Report

Lab Order **2012607**

Date Reported: **12/17/2020**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Pima Environmental Services LLC

Client Sample ID: S-1 2'

Project: Ore Ida 14 Fed 2

Collection Date: 12/4/2020

Lab ID: 2012607-003

Matrix: SOIL

Received Date: 12/11/2020 8:00:00 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	12/12/2020 4:09:01 PM
Motor Oil Range Organics (MRO)	ND	48		mg/Kg	1	12/12/2020 4:09:01 PM
Surr: DNOP	149	30.4-154		%Rec	1	12/12/2020 4:09:01 PM
EPA METHOD 8015D: GASOLINE RANGE						Analyst: RAA
Gasoline Range Organics (GRO)	ND	4.8		mg/Kg	1	12/13/2020 8:20:00 PM
Surr: BFB	87.4	75.3-105		%Rec	1	12/13/2020 8:20:00 PM
EPA METHOD 8021B: VOLATILES						Analyst: RAA
Benzene	ND	0.024		mg/Kg	1	12/13/2020 8:20:00 PM
Toluene	ND	0.048		mg/Kg	1	12/13/2020 8:20:00 PM
Ethylbenzene	ND	0.048		mg/Kg	1	12/13/2020 8:20:00 PM
Xylenes, Total	ND	0.096		mg/Kg	1	12/13/2020 8:20:00 PM
Surr: 4-Bromofluorobenzene	89.2	80-120		%Rec	1	12/13/2020 8:20:00 PM
EPA METHOD 300.0: ANIONS						Analyst: VP
Chloride	ND	60		mg/Kg	20	12/14/2020 11:20:03 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 **2012607**

Date Reported: **12/17/2020**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Pima Environmental Services LLC

Client Sample ID: S-1 3'

Project: Ore Ida 14 Fed 2

Collection Date: 12/4/2020

Lab ID: 2012607-004

Matrix: SOIL

Received Date: 12/11/2020 8:00:00 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	12/12/2020 4:18:33 PM
Motor Oil Range Organics (MRO)	ND	47		mg/Kg	1	12/12/2020 4:18:33 PM
Surr: DNOP	112	30.4-154		%Rec	1	12/12/2020 4:18:33 PM
EPA METHOD 8015D: GASOLINE RANGE						Analyst: RAA
Gasoline Range Organics (GRO)	ND	4.8		mg/Kg	1	12/13/2020 9:29:06 PM
Surr: BFB	83.4	75.3-105		%Rec	1	12/13/2020 9:29:06 PM
EPA METHOD 8021B: VOLATILES						Analyst: RAA
Benzene	ND	0.024		mg/Kg	1	12/13/2020 9:29:06 PM
Toluene	ND	0.048		mg/Kg	1	12/13/2020 9:29:06 PM
Ethylbenzene	ND	0.048		mg/Kg	1	12/13/2020 9:29:06 PM
Xylenes, Total	ND	0.097		mg/Kg	1	12/13/2020 9:29:06 PM
Surr: 4-Bromofluorobenzene	85.6	80-120		%Rec	1	12/13/2020 9:29:06 PM
EPA METHOD 300.0: ANIONS						Analyst: VP
Chloride	ND	60		mg/Kg	20	12/14/2020 11:32:27 PM

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

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

Analytical Report

Lab Order **2012607**

Date Reported: **12/17/2020**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Pima Environmental Services LLC

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

Project: Ore Ida 14 Fed 2

Collection Date: 12/4/2020

Lab ID: 2012607-005

Matrix: SOIL

Received Date: 12/11/2020 8:00:00 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	12/12/2020 4:28:05 PM
Motor Oil Range Organics (MRO)	ND	48		mg/Kg	1	12/12/2020 4:28:05 PM
Surr: DNOP	39.3	30.4-154		%Rec	1	12/12/2020 4:28:05 PM
EPA METHOD 8015D: GASOLINE RANGE						Analyst: RAA
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	12/13/2020 9:52:08 PM
Surr: BFB	83.6	75.3-105		%Rec	1	12/13/2020 9:52:08 PM
EPA METHOD 8021B: VOLATILES						Analyst: RAA
Benzene	ND	0.024		mg/Kg	1	12/13/2020 9:52:08 PM
Toluene	ND	0.049		mg/Kg	1	12/13/2020 9:52:08 PM
Ethylbenzene	ND	0.049		mg/Kg	1	12/13/2020 9:52:08 PM
Xylenes, Total	ND	0.098		mg/Kg	1	12/13/2020 9:52:08 PM
Surr: 4-Bromofluorobenzene	86.2	80-120		%Rec	1	12/13/2020 9:52:08 PM
EPA METHOD 300.0: ANIONS						Analyst: VP
Chloride	ND	60		mg/Kg	20	12/14/2020 11:44:52 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 2012607

Date Reported: 12/17/2020

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Pima Environmental Services LLC

Client Sample ID: S-2 1'

Project: Ore Ida 14 Fed 2

Collection Date: 12/4/2020

Lab ID: 2012607-006

Matrix: SOIL

Received Date: 12/11/2020 8:00:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: BRM
Diesel Range Organics (DRO)	ND	9.9		mg/Kg	1	12/12/2020 4:37:36 PM
Motor Oil Range Organics (MRO)	ND	49		mg/Kg	1	12/12/2020 4:37:36 PM
Surr: DNOP	46.1	30.4-154		%Rec	1	12/12/2020 4:37:36 PM
EPA METHOD 8015D: GASOLINE RANGE						Analyst: RAA
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	12/13/2020 10:15:03 PM
Surr: BFB	83.4	75.3-105		%Rec	1	12/13/2020 10:15:03 PM
EPA METHOD 8021B: VOLATILES						Analyst: RAA
Benzene	ND	0.024		mg/Kg	1	12/13/2020 10:15:03 PM
Toluene	ND	0.049		mg/Kg	1	12/13/2020 10:15:03 PM
Ethylbenzene	ND	0.049		mg/Kg	1	12/13/2020 10:15:03 PM
Xylenes, Total	ND	0.097		mg/Kg	1	12/13/2020 10:15:03 PM
Surr: 4-Bromofluorobenzene	86.7	80-120		%Rec	1	12/13/2020 10:15:03 PM
EPA METHOD 300.0: ANIONS						Analyst: VP
Chloride	ND	60		mg/Kg	20	12/14/2020 11:57:17 PM

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

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

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Analytical Report

Lab Order 2012607

Date Reported: 12/17/2020

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Pima Environmental Services LLC

Client Sample ID: S-2 2'

Project: Ore Ida 14 Fed 2

Collection Date: 12/4/2020

Lab ID: 2012607-007

Matrix: SOIL

Received Date: 12/11/2020 8:00:00 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	12/12/2020 4:47:05 PM
Motor Oil Range Organics (MRO)	ND	50		mg/Kg	1	12/12/2020 4:47:05 PM
Surr: DNOP	59.8	30.4-154		%Rec	1	12/12/2020 4:47:05 PM
EPA METHOD 8015D: GASOLINE RANGE						Analyst: RAA
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	12/13/2020 10:37:59 PM
Surr: BFB	83.1	75.3-105		%Rec	1	12/13/2020 10:37:59 PM
EPA METHOD 8021B: VOLATILES						Analyst: RAA
Benzene	ND	0.024		mg/Kg	1	12/13/2020 10:37:59 PM
Toluene	ND	0.049		mg/Kg	1	12/13/2020 10:37:59 PM
Ethylbenzene	ND	0.049		mg/Kg	1	12/13/2020 10:37:59 PM
Xylenes, Total	ND	0.097		mg/Kg	1	12/13/2020 10:37:59 PM
Surr: 4-Bromofluorobenzene	85.9	80-120		%Rec	1	12/13/2020 10:37:59 PM
EPA METHOD 300.0: ANIONS						Analyst: VP
Chloride	ND	60		mg/Kg	20	12/15/2020 12:09:42 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 **2012607**

Date Reported: **12/17/2020**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Pima Environmental Services LLC

Client Sample ID: S-2 3'

Project: Ore Ida 14 Fed 2

Collection Date: 12/4/2020

Lab ID: 2012607-008

Matrix: SOIL

Received Date: 12/11/2020 8:00:00 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	12/12/2020 4:56:32 PM
Motor Oil Range Organics (MRO)	ND	48		mg/Kg	1	12/12/2020 4:56:32 PM
Surr: DNOP	69.0	30.4-154		%Rec	1	12/12/2020 4:56:32 PM
EPA METHOD 8015D: GASOLINE RANGE						Analyst: RAA
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	12/13/2020 11:00:55 PM
Surr: BFB	82.3	75.3-105		%Rec	1	12/13/2020 11:00:55 PM
EPA METHOD 8021B: VOLATILES						Analyst: RAA
Benzene	ND	0.024		mg/Kg	1	12/13/2020 11:00:55 PM
Toluene	ND	0.049		mg/Kg	1	12/13/2020 11:00:55 PM
Ethylbenzene	ND	0.049		mg/Kg	1	12/13/2020 11:00:55 PM
Xylenes, Total	ND	0.098		mg/Kg	1	12/13/2020 11:00:55 PM
Surr: 4-Bromofluorobenzene	85.0	80-120		%Rec	1	12/13/2020 11:00:55 PM
EPA METHOD 300.0: ANIONS						Analyst: VP
Chloride	ND	60		mg/Kg	20	12/15/2020 12:22:07 AM

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

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

Analytical Report

Lab Order **2012607**

Date Reported: **12/17/2020**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Pima Environmental Services LLC

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

Project: Ore Ida 14 Fed 2

Collection Date: 12/4/2020

Lab ID: 2012607-009

Matrix: SOIL

Received Date: 12/11/2020 8:00:00 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	12/12/2020 5:06:02 PM
Motor Oil Range Organics (MRO)	ND	48		mg/Kg	1	12/12/2020 5:06:02 PM
Surr: DNOP	74.4	30.4-154		%Rec	1	12/12/2020 5:06:02 PM
EPA METHOD 8015D: GASOLINE RANGE						Analyst: RAA
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	12/13/2020 11:23:46 PM
Surr: BFB	84.6	75.3-105		%Rec	1	12/13/2020 11:23:46 PM
EPA METHOD 8021B: VOLATILES						Analyst: RAA
Benzene	ND	0.025		mg/Kg	1	12/13/2020 11:23:46 PM
Toluene	ND	0.049		mg/Kg	1	12/13/2020 11:23:46 PM
Ethylbenzene	ND	0.049		mg/Kg	1	12/13/2020 11:23:46 PM
Xylenes, Total	ND	0.099		mg/Kg	1	12/13/2020 11:23:46 PM
Surr: 4-Bromofluorobenzene	86.6	80-120		%Rec	1	12/13/2020 11:23:46 PM
EPA METHOD 300.0: ANIONS						Analyst: VP
Chloride	ND	60		mg/Kg	20	12/15/2020 12:34:31 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 **2012607**

Date Reported: **12/17/2020**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Pima Environmental Services LLC

Client Sample ID: S-3 1'

Project: Ore Ida 14 Fed 2

Collection Date: 12/4/2020

Lab ID: 2012607-010

Matrix: SOIL

Received Date: 12/11/2020 8:00:00 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	12/12/2020 5:15:31 PM
Motor Oil Range Organics (MRO)	ND	48		mg/Kg	1	12/12/2020 5:15:31 PM
Surr: DNOP	80.3	30.4-154		%Rec	1	12/12/2020 5:15:31 PM
EPA METHOD 8015D: GASOLINE RANGE						Analyst: RAA
Gasoline Range Organics (GRO)	ND	4.8		mg/Kg	1	12/13/2020 11:46:42 PM
Surr: BFB	81.4	75.3-105		%Rec	1	12/13/2020 11:46:42 PM
EPA METHOD 8021B: VOLATILES						Analyst: RAA
Benzene	ND	0.024		mg/Kg	1	12/13/2020 11:46:42 PM
Toluene	ND	0.048		mg/Kg	1	12/13/2020 11:46:42 PM
Ethylbenzene	ND	0.048		mg/Kg	1	12/13/2020 11:46:42 PM
Xylenes, Total	ND	0.096		mg/Kg	1	12/13/2020 11:46:42 PM
Surr: 4-Bromofluorobenzene	84.0	80-120		%Rec	1	12/13/2020 11:46:42 PM
EPA METHOD 300.0: ANIONS						Analyst: VP
Chloride	ND	61		mg/Kg	20	12/15/2020 12:46:55 AM

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

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

Analytical Report

Lab Order **2012607**

Date Reported: **12/17/2020**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Pima Environmental Services LLC

Client Sample ID: S-3 2'

Project: Ore Ida 14 Fed 2

Collection Date: 12/4/2020

Lab ID: 2012607-011

Matrix: SOIL

Received Date: 12/11/2020 8:00:00 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	12/12/2020 5:24:59 PM
Motor Oil Range Organics (MRO)	ND	48		mg/Kg	1	12/12/2020 5:24:59 PM
Surr: DNOP	84.4	30.4-154		%Rec	1	12/12/2020 5:24:59 PM
EPA METHOD 8015D: GASOLINE RANGE						Analyst: RAA
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	12/14/2020 12:09:35 AM
Surr: BFB	83.7	75.3-105		%Rec	1	12/14/2020 12:09:35 AM
EPA METHOD 8021B: VOLATILES						Analyst: RAA
Benzene	ND	0.025		mg/Kg	1	12/14/2020 12:09:35 AM
Toluene	ND	0.049		mg/Kg	1	12/14/2020 12:09:35 AM
Ethylbenzene	ND	0.049		mg/Kg	1	12/14/2020 12:09:35 AM
Xylenes, Total	ND	0.099		mg/Kg	1	12/14/2020 12:09:35 AM
Surr: 4-Bromofluorobenzene	86.3	80-120		%Rec	1	12/14/2020 12:09:35 AM
EPA METHOD 300.0: ANIONS						Analyst: VP
Chloride	ND	60		mg/Kg	20	12/15/2020 12:59:19 AM

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

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

Analytical Report

Lab Order **2012607**

Date Reported: **12/17/2020**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Pima Environmental Services LLC

Client Sample ID: S-3 3'

Project: Ore Ida 14 Fed 2

Collection Date: 12/4/2020

Lab ID: 2012607-012

Matrix: SOIL

Received Date: 12/11/2020 8:00:00 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	12/12/2020 5:34:21 PM
Motor Oil Range Organics (MRO)	ND	48		mg/Kg	1	12/12/2020 5:34:21 PM
Surr: DNOP	99.6	30.4-154		%Rec	1	12/12/2020 5:34:21 PM
EPA METHOD 8015D: GASOLINE RANGE						Analyst: RAA
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	12/14/2020 12:32:28 AM
Surr: BFB	82.1	75.3-105		%Rec	1	12/14/2020 12:32:28 AM
EPA METHOD 8021B: VOLATILES						Analyst: RAA
Benzene	ND	0.024		mg/Kg	1	12/14/2020 12:32:28 AM
Toluene	ND	0.049		mg/Kg	1	12/14/2020 12:32:28 AM
Ethylbenzene	ND	0.049		mg/Kg	1	12/14/2020 12:32:28 AM
Xylenes, Total	ND	0.098		mg/Kg	1	12/14/2020 12:32:28 AM
Surr: 4-Bromofluorobenzene	85.0	80-120		%Rec	1	12/14/2020 12:32:28 AM
EPA METHOD 300.0: ANIONS						Analyst: VP
Chloride	ND	59		mg/Kg	20	12/15/2020 1:36:33 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 **2012607**

Date Reported: **12/17/2020**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Pima Environmental Services LLC

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

Project: Ore Ida 14 Fed 2

Collection Date: 12/4/2020

Lab ID: 2012607-013

Matrix: SOIL

Received Date: 12/11/2020 8:00:00 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	12/12/2020 6:11:48 PM
Motor Oil Range Organics (MRO)	ND	46		mg/Kg	1	12/12/2020 6:11:48 PM
Surr: DNOP	104	30.4-154		%Rec	1	12/12/2020 6:11:48 PM
EPA METHOD 8015D: GASOLINE RANGE						Analyst: RAA
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	12/14/2020 12:55:20 AM
Surr: BFB	79.0	75.3-105		%Rec	1	12/14/2020 12:55:20 AM
EPA METHOD 8021B: VOLATILES						Analyst: RAA
Benzene	ND	0.024		mg/Kg	1	12/14/2020 12:55:20 AM
Toluene	ND	0.049		mg/Kg	1	12/14/2020 12:55:20 AM
Ethylbenzene	ND	0.049		mg/Kg	1	12/14/2020 12:55:20 AM
Xylenes, Total	ND	0.098		mg/Kg	1	12/14/2020 12:55:20 AM
Surr: 4-Bromofluorobenzene	81.7	80-120		%Rec	1	12/14/2020 12:55:20 AM
EPA METHOD 300.0: ANIONS						Analyst: VP
Chloride	ND	60		mg/Kg	20	12/15/2020 1:48:57 AM

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

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

Analytical Report

Lab Order **2012607**

Date Reported: **12/17/2020**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Pima Environmental Services LLC

Client Sample ID: S-4 1'

Project: Ore Ida 14 Fed 2

Collection Date: 12/4/2020

Lab ID: 2012607-014

Matrix: SOIL

Received Date: 12/11/2020 8:00:00 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	12/12/2020 6:39:57 PM
Motor Oil Range Organics (MRO)	ND	51		mg/Kg	1	12/12/2020 6:39:57 PM
Surr: DNOP	101	30.4-154		%Rec	1	12/12/2020 6:39:57 PM
EPA METHOD 8015D: GASOLINE RANGE						Analyst: RAA
Gasoline Range Organics (GRO)	ND	5.0		mg/Kg	1	12/14/2020 1:41:01 AM
Surr: BFB	80.7	75.3-105		%Rec	1	12/14/2020 1:41:01 AM
EPA METHOD 8021B: VOLATILES						Analyst: RAA
Benzene	ND	0.025		mg/Kg	1	12/14/2020 1:41:01 AM
Toluene	ND	0.050		mg/Kg	1	12/14/2020 1:41:01 AM
Ethylbenzene	ND	0.050		mg/Kg	1	12/14/2020 1:41:01 AM
Xylenes, Total	ND	0.099		mg/Kg	1	12/14/2020 1:41:01 AM
Surr: 4-Bromofluorobenzene	83.6	80-120		%Rec	1	12/14/2020 1:41:01 AM
EPA METHOD 300.0: ANIONS						Analyst: VP
Chloride	ND	60		mg/Kg	20	12/15/2020 2:01:21 AM

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

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

Analytical Report

Lab Order **2012607**

Date Reported: **12/17/2020**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Pima Environmental Services LLC

Client Sample ID: S-4 2'

Project: Ore Ida 14 Fed 2

Collection Date: 12/4/2020

Lab ID: 2012607-015

Matrix: SOIL

Received Date: 12/11/2020 8:00:00 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	12/12/2020 6:49:22 PM
Motor Oil Range Organics (MRO)	ND	48		mg/Kg	1	12/12/2020 6:49:22 PM
Surr: DNOP	94.2	30.4-154		%Rec	1	12/12/2020 6:49:22 PM
EPA METHOD 8015D: GASOLINE RANGE						Analyst: RAA
Gasoline Range Organics (GRO)	ND	4.8		mg/Kg	1	12/14/2020 2:03:54 AM
Surr: BFB	79.3	75.3-105		%Rec	1	12/14/2020 2:03:54 AM
EPA METHOD 8021B: VOLATILES						Analyst: RAA
Benzene	ND	0.024		mg/Kg	1	12/14/2020 2:03:54 AM
Toluene	ND	0.048		mg/Kg	1	12/14/2020 2:03:54 AM
Ethylbenzene	ND	0.048		mg/Kg	1	12/14/2020 2:03:54 AM
Xylenes, Total	ND	0.095		mg/Kg	1	12/14/2020 2:03:54 AM
Surr: 4-Bromofluorobenzene	81.9	80-120		%Rec	1	12/14/2020 2:03:54 AM
EPA METHOD 300.0: ANIONS						Analyst: VP
Chloride	ND	60		mg/Kg	20	12/15/2020 2:13:46 AM

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

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

Analytical Report

Lab Order **2012607**

Date Reported: **12/17/2020**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Pima Environmental Services LLC

Client Sample ID: S-4 3'

Project: Ore Ida 14 Fed 2

Collection Date: 12/4/2020

Lab ID: 2012607-016

Matrix: SOIL

Received Date: 12/11/2020 8:00:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: BRM
Diesel Range Organics (DRO)	ND	9.0		mg/Kg	1	12/12/2020 6:58:46 PM
Motor Oil Range Organics (MRO)	ND	45		mg/Kg	1	12/12/2020 6:58:46 PM
Surr: DNOP	75.9	30.4-154		%Rec	1	12/12/2020 6:58:46 PM
EPA METHOD 8015D: GASOLINE RANGE						Analyst: RAA
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	12/14/2020 2:26:41 AM
Surr: BFB	80.8	75.3-105		%Rec	1	12/14/2020 2:26:41 AM
EPA METHOD 8021B: VOLATILES						Analyst: RAA
Benzene	ND	0.025		mg/Kg	1	12/14/2020 2:26:41 AM
Toluene	ND	0.049		mg/Kg	1	12/14/2020 2:26:41 AM
Ethylbenzene	ND	0.049		mg/Kg	1	12/14/2020 2:26:41 AM
Xylenes, Total	ND	0.098		mg/Kg	1	12/14/2020 2:26:41 AM
Surr: 4-Bromofluorobenzene	83.5	80-120		%Rec	1	12/14/2020 2:26:41 AM
EPA METHOD 300.0: ANIONS						Analyst: VP
Chloride	ND	60		mg/Kg	20	12/15/2020 2:26:11 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 **2012607**

Date Reported: **12/17/2020**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Pima Environmental Services LLC

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

Project: Ore Ida 14 Fed 2

Collection Date: 12/4/2020

Lab ID: 2012607-017

Matrix: SOIL

Received Date: 12/11/2020 8:00:00 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	12/12/2020 7:08:13 PM
Motor Oil Range Organics (MRO)	ND	47		mg/Kg	1	12/12/2020 7:08:13 PM
Surr: DNOP	76.9	30.4-154		%Rec	1	12/12/2020 7:08:13 PM
EPA METHOD 8015D: GASOLINE RANGE						Analyst: NSB
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	12/14/2020 9:47:05 AM
Surr: BFB	84.9	75.3-105		%Rec	1	12/14/2020 9:47:05 AM
EPA METHOD 8021B: VOLATILES						Analyst: NSB
Benzene	ND	0.025		mg/Kg	1	12/14/2020 9:47:05 AM
Toluene	ND	0.049		mg/Kg	1	12/14/2020 9:47:05 AM
Ethylbenzene	ND	0.049		mg/Kg	1	12/14/2020 9:47:05 AM
Xylenes, Total	ND	0.099		mg/Kg	1	12/14/2020 9:47:05 AM
Surr: 4-Bromofluorobenzene	88.2	80-120		%Rec	1	12/14/2020 9:47:05 AM
EPA METHOD 300.0: ANIONS						Analyst: VP
Chloride	ND	60		mg/Kg	20	12/15/2020 2:38:35 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 **2012607**

Date Reported: **12/17/2020**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Pima Environmental Services LLC

Client Sample ID: S-5 1'

Project: Ore Ida 14 Fed 2

Collection Date: 12/4/2020

Lab ID: 2012607-018

Matrix: SOIL

Received Date: 12/11/2020 8:00:00 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	12/12/2020 7:17:39 PM
Motor Oil Range Organics (MRO)	ND	49		mg/Kg	1	12/12/2020 7:17:39 PM
Surr: DNOP	84.0	30.4-154		%Rec	1	12/12/2020 7:17:39 PM
EPA METHOD 8015D: GASOLINE RANGE						Analyst: NSB
Gasoline Range Organics (GRO)	ND	4.8		mg/Kg	1	12/14/2020 11:51:31 AM
Surr: BFB	87.2	75.3-105		%Rec	1	12/14/2020 11:51:31 AM
EPA METHOD 8021B: VOLATILES						Analyst: NSB
Benzene	ND	0.024		mg/Kg	1	12/14/2020 11:51:31 AM
Toluene	ND	0.048		mg/Kg	1	12/14/2020 11:51:31 AM
Ethylbenzene	ND	0.048		mg/Kg	1	12/14/2020 11:51:31 AM
Xylenes, Total	ND	0.096		mg/Kg	1	12/14/2020 11:51:31 AM
Surr: 4-Bromofluorobenzene	89.7	80-120		%Rec	1	12/14/2020 11:51:31 AM
EPA METHOD 300.0: ANIONS						Analyst: VP
Chloride	ND	60		mg/Kg	20	12/15/2020 3:15:49 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 **2012607**

Date Reported: **12/17/2020**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Pima Environmental Services LLC

Client Sample ID: S-5 2'

Project: Ore Ida 14 Fed 2

Collection Date: 12/4/2020

Lab ID: 2012607-019

Matrix: SOIL

Received Date: 12/11/2020 8:00:00 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	12/12/2020 7:27:07 PM
Motor Oil Range Organics (MRO)	ND	49		mg/Kg	1	12/12/2020 7:27:07 PM
Surr: DNOP	91.3	30.4-154		%Rec	1	12/12/2020 7:27:07 PM
EPA METHOD 8015D: GASOLINE RANGE						Analyst: NSB
Gasoline Range Organics (GRO)	ND	4.8		mg/Kg	1	12/14/2020 3:20:17 PM
Surr: BFB	87.1	75.3-105		%Rec	1	12/14/2020 3:20:17 PM
EPA METHOD 8021B: VOLATILES						Analyst: NSB
Benzene	ND	0.024		mg/Kg	1	12/14/2020 3:20:17 PM
Toluene	ND	0.048		mg/Kg	1	12/14/2020 3:20:17 PM
Ethylbenzene	ND	0.048		mg/Kg	1	12/14/2020 3:20:17 PM
Xylenes, Total	ND	0.097		mg/Kg	1	12/14/2020 3:20:17 PM
Surr: 4-Bromofluorobenzene	88.0	80-120		%Rec	1	12/14/2020 3:20:17 PM
EPA METHOD 300.0: ANIONS						Analyst: VP
Chloride	ND	60		mg/Kg	20	12/15/2020 3:28:13 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 **2012607**

Date Reported: **12/17/2020**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Pima Environmental Services LLC

Client Sample ID: S-5 3'

Project: Ore Ida 14 Fed 2

Collection Date: 12/4/2020

Lab ID: 2012607-020

Matrix: SOIL

Received Date: 12/11/2020 8:00:00 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	12/12/2020 7:36:35 PM
Motor Oil Range Organics (MRO)	ND	51		mg/Kg	1	12/12/2020 7:36:35 PM
Surr: DNOP	77.3	30.4-154		%Rec	1	12/12/2020 7:36:35 PM
EPA METHOD 8015D: GASOLINE RANGE						Analyst: NSB
Gasoline Range Organics (GRO)	ND	4.6		mg/Kg	1	12/14/2020 3:43:37 PM
Surr: BFB	90.4	75.3-105		%Rec	1	12/14/2020 3:43:37 PM
EPA METHOD 8021B: VOLATILES						Analyst: NSB
Benzene	ND	0.023		mg/Kg	1	12/14/2020 3:43:37 PM
Toluene	ND	0.046		mg/Kg	1	12/14/2020 3:43:37 PM
Ethylbenzene	ND	0.046		mg/Kg	1	12/14/2020 3:43:37 PM
Xylenes, Total	ND	0.092		mg/Kg	1	12/14/2020 3:43:37 PM
Surr: 4-Bromofluorobenzene	87.3	80-120		%Rec	1	12/14/2020 3:43:37 PM
EPA METHOD 300.0: ANIONS						Analyst: VP
Chloride	ND	59		mg/Kg	20	12/15/2020 4:05:27 AM

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

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

Analytical Report

Lab Order **2012607**

Date Reported: **12/17/2020**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Pima Environmental Services LLC

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

Project: Ore Ida 14 Fed 2

Collection Date: 12/4/2020

Lab ID: 2012607-021

Matrix: SOIL

Received Date: 12/11/2020 8:00:00 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	12/12/2020 7:46:05 PM
Motor Oil Range Organics (MRO)	ND	46		mg/Kg	1	12/12/2020 7:46:05 PM
Surr: DNOP	90.0	30.4-154		%Rec	1	12/12/2020 7:46:05 PM
EPA METHOD 8015D: GASOLINE RANGE						Analyst: NSB
Gasoline Range Organics (GRO)	ND	5.0		mg/Kg	1	12/14/2020 4:06:57 PM
Surr: BFB	91.1	75.3-105		%Rec	1	12/14/2020 4:06:57 PM
EPA METHOD 8021B: VOLATILES						Analyst: NSB
Benzene	ND	0.025		mg/Kg	1	12/14/2020 4:06:57 PM
Toluene	ND	0.050		mg/Kg	1	12/14/2020 4:06:57 PM
Ethylbenzene	ND	0.050		mg/Kg	1	12/14/2020 4:06:57 PM
Xylenes, Total	ND	0.099		mg/Kg	1	12/14/2020 4:06:57 PM
Surr: 4-Bromofluorobenzene	88.7	80-120		%Rec	1	12/14/2020 4:06:57 PM
EPA METHOD 300.0: ANIONS						Analyst: VP
Chloride	ND	59		mg/Kg	20	12/15/2020 4:17:52 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 **2012607**

Date Reported: **12/17/2020**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Pima Environmental Services LLC

Client Sample ID: S-6 1'

Project: Ore Ida 14 Fed 2

Collection Date: 12/4/2020

Lab ID: 2012607-022

Matrix: SOIL

Received Date: 12/11/2020 8:00:00 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	12/12/2020 7:55:36 PM
Motor Oil Range Organics (MRO)	ND	48		mg/Kg	1	12/12/2020 7:55:36 PM
Surr: DNOP	93.4	30.4-154		%Rec	1	12/12/2020 7:55:36 PM
EPA METHOD 8015D: GASOLINE RANGE						Analyst: NSB
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	12/14/2020 4:30:12 PM
Surr: BFB	90.9	75.3-105		%Rec	1	12/14/2020 4:30:12 PM
EPA METHOD 8021B: VOLATILES						Analyst: NSB
Benzene	ND	0.025		mg/Kg	1	12/14/2020 4:30:12 PM
Toluene	ND	0.049		mg/Kg	1	12/14/2020 4:30:12 PM
Ethylbenzene	ND	0.049		mg/Kg	1	12/14/2020 4:30:12 PM
Xylenes, Total	ND	0.098		mg/Kg	1	12/14/2020 4:30:12 PM
Surr: 4-Bromofluorobenzene	90.4	80-120		%Rec	1	12/14/2020 4:30:12 PM
EPA METHOD 300.0: ANIONS						Analyst: VP
Chloride	ND	60		mg/Kg	20	12/15/2020 4:30:16 AM

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

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

Analytical Report

Lab Order **2012607**

Date Reported: **12/17/2020**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Pima Environmental Services LLC

Client Sample ID: S-6 2'

Project: Ore Ida 14 Fed 2

Collection Date: 12/4/2020

Lab ID: 2012607-023

Matrix: SOIL

Received Date: 12/11/2020 8:00:00 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	12/12/2020 8:05:18 PM
Motor Oil Range Organics (MRO)	ND	49		mg/Kg	1	12/12/2020 8:05:18 PM
Surr: DNOP	96.8	30.4-154		%Rec	1	12/12/2020 8:05:18 PM
EPA METHOD 8015D: GASOLINE RANGE						Analyst: NSB
Gasoline Range Organics (GRO)	ND	4.8		mg/Kg	1	12/14/2020 4:53:30 PM
Surr: BFB	89.3	75.3-105		%Rec	1	12/14/2020 4:53:30 PM
EPA METHOD 8021B: VOLATILES						Analyst: NSB
Benzene	ND	0.024		mg/Kg	1	12/14/2020 4:53:30 PM
Toluene	ND	0.048		mg/Kg	1	12/14/2020 4:53:30 PM
Ethylbenzene	ND	0.048		mg/Kg	1	12/14/2020 4:53:30 PM
Xylenes, Total	ND	0.097		mg/Kg	1	12/14/2020 4:53:30 PM
Surr: 4-Bromofluorobenzene	88.2	80-120		%Rec	1	12/14/2020 4:53:30 PM
EPA METHOD 300.0: ANIONS						Analyst: VP
Chloride	ND	60		mg/Kg	20	12/15/2020 4:42:41 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 **2012607**

Date Reported: **12/17/2020**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Pima Environmental Services LLC

Client Sample ID: S-6 3'

Project: Ore Ida 14 Fed 2

Collection Date: 12/4/2020

Lab ID: 2012607-024

Matrix: SOIL

Received Date: 12/11/2020 8:00:00 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	12/12/2020 8:14:58 PM
Motor Oil Range Organics (MRO)	ND	47		mg/Kg	1	12/12/2020 8:14:58 PM
Surr: DNOP	95.0	30.4-154		%Rec	1	12/12/2020 8:14:58 PM
EPA METHOD 8015D: GASOLINE RANGE						Analyst: NSB
Gasoline Range Organics (GRO)	ND	4.6		mg/Kg	1	12/14/2020 5:16:45 PM
Surr: BFB	89.9	75.3-105		%Rec	1	12/14/2020 5:16:45 PM
EPA METHOD 8021B: VOLATILES						Analyst: NSB
Benzene	ND	0.023		mg/Kg	1	12/14/2020 5:16:45 PM
Toluene	ND	0.046		mg/Kg	1	12/14/2020 5:16:45 PM
Ethylbenzene	ND	0.046		mg/Kg	1	12/14/2020 5:16:45 PM
Xylenes, Total	ND	0.092		mg/Kg	1	12/14/2020 5:16:45 PM
Surr: 4-Bromofluorobenzene	89.6	80-120		%Rec	1	12/14/2020 5:16:45 PM
EPA METHOD 300.0: ANIONS						Analyst: VP
Chloride	ND	60		mg/Kg	20	12/15/2020 4:55:05 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	

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: 2012607

17-Dec-20

Client: Pima Environmental Services LLC

Project: Ore Ida 14 Fed 2

Sample ID: MB-56991	SampType: MBLK	TestCode: EPA Method 300.0: Anions								
Client ID: PBS	Batch ID: 56991	RunNo: 73996								
Prep Date: 12/14/2020	Analysis Date: 12/14/2020	SeqNo: 2610620	Units: mg/Kg							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	ND	1.5								

Sample ID: LCS-56991	SampType: LCS	TestCode: EPA Method 300.0: Anions								
Client ID: LCSS	Batch ID: 56991	RunNo: 73996								
Prep Date: 12/14/2020	Analysis Date: 12/14/2020	SeqNo: 2610621	Units: mg/Kg							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	14	1.5	15.00	0	93.4	90	110			

Sample ID: 2012607-001AMS	SampType: MS	TestCode: EPA Method 300.0: Anions								
Client ID: S-1 0"-6"	Batch ID: 56991	RunNo: 73996								
Prep Date: 12/14/2020	Analysis Date: 12/14/2020	SeqNo: 2610628	Units: mg/Kg							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	64	60	30.00	0	215	36.7	168			S

Sample ID: 2012607-001AMSD	SampType: MSD	TestCode: EPA Method 300.0: Anions								
Client ID: S-1 0"-6"	Batch ID: 56991	RunNo: 73996								
Prep Date: 12/14/2020	Analysis Date: 12/14/2020	SeqNo: 2610629	Units: mg/Kg							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	65	59	30.00	0	215	36.7	168	0.158	20	S

Sample ID: MB-56992	SampType: MBLK	TestCode: EPA Method 300.0: Anions								
Client ID: PBS	Batch ID: 56992	RunNo: 73996								
Prep Date: 12/14/2020	Analysis Date: 12/15/2020	SeqNo: 2610650	Units: mg/Kg							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	ND	1.5								

Sample ID: LCS-56992	SampType: LCS	TestCode: EPA Method 300.0: Anions								
Client ID: LCSS	Batch ID: 56992	RunNo: 73996								
Prep Date: 12/14/2020	Analysis Date: 12/15/2020	SeqNo: 2610651	Units: mg/Kg							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	14	1.5	15.00	0	93.1	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#: 2012607

17-Dec-20

Client: Pima Environmental Services LLC

Project: Ore Ida 14 Fed 2

Sample ID: LCS-56938	SampType: LCS		TestCode: EPA Method 8015M/D: Diesel Range Organics							
Client ID: LCSS	Batch ID: 56938		RunNo: 73978							
Prep Date: 12/11/2020	Analysis Date: 12/12/2020		SeqNo: 2609490		Units: mg/Kg					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	61	10	50.00	0	122	70	130			
Surr: DNOP	7.2		5.000		144	30.4	154			

Sample ID: LCS-56944	SampType: LCS		TestCode: EPA Method 8015M/D: Diesel Range Organics							
Client ID: LCSS	Batch ID: 56944		RunNo: 73978							
Prep Date: 12/11/2020	Analysis Date: 12/12/2020		SeqNo: 2609491		Units: mg/Kg					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	49	10	50.00	0	97.9	70	130			
Surr: DNOP	4.1		5.000		81.9	30.4	154			

Sample ID: LCS-56946	SampType: LCS		TestCode: EPA Method 8015M/D: Diesel Range Organics							
Client ID: LCSS	Batch ID: 56946		RunNo: 73978							
Prep Date: 12/11/2020	Analysis Date: 12/12/2020		SeqNo: 2609492		Units: %Rec					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: DNOP	4.7		5.000		94.1	30.4	154			

Sample ID: MB-56938	SampType: MBLK		TestCode: EPA Method 8015M/D: Diesel Range Organics							
Client ID: PBS	Batch ID: 56938		RunNo: 73978							
Prep Date: 12/11/2020	Analysis Date: 12/12/2020		SeqNo: 2609494		Units: mg/Kg					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	ND	10								
Motor Oil Range Organics (MRO)	ND	50								
Surr: DNOP	11		10.00		112	30.4	154			

Sample ID: MB-56944	SampType: MBLK		TestCode: EPA Method 8015M/D: Diesel Range Organics							
Client ID: PBS	Batch ID: 56944		RunNo: 73978							
Prep Date: 12/11/2020	Analysis Date: 12/12/2020		SeqNo: 2609495		Units: mg/Kg					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	ND	10								
Motor Oil Range Organics (MRO)	ND	50								
Surr: DNOP	8.9		10.00		88.9	30.4	154			

Qualifiers:

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

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: 2012607

17-Dec-20

Client: Pima Environmental Services LLC

Project: Ore Ida 14 Fed 2

Sample ID: MB-56946	SampType: MBLK		TestCode: EPA Method 8015M/D: Diesel Range Organics							
Client ID: PBS	Batch ID: 56946		RunNo: 73978							
Prep Date: 12/11/2020	Analysis Date: 12/12/2020		SeqNo: 2609496		Units: %Rec					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: DNOP	9.3		10.00		93.1	30.4	154			

Sample ID: 2012607-013AMS	SampType: MS		TestCode: EPA Method 8015M/D: Diesel Range Organics							
Client ID: S-4 0"-6"	Batch ID: 56944		RunNo: 73978							
Prep Date: 12/11/2020	Analysis Date: 12/12/2020		SeqNo: 2609501		Units: mg/Kg					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	46	9.5	47.71	3.775	88.9	15	184			
Surr: DNOP	2.4		4.771		50.9	30.4	154			

Sample ID: 2012607-013AMSD	SampType: MSD		TestCode: EPA Method 8015M/D: Diesel Range Organics							
Client ID: S-4 0"-6"	Batch ID: 56944		RunNo: 73978							
Prep Date: 12/11/2020	Analysis Date: 12/12/2020		SeqNo: 2609502		Units: mg/Kg					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	50	10	50.30	3.775	92.8	15	184	8.82	23.9	
Surr: DNOP	5.2		5.030		103	30.4	154	0	0	

Sample ID: LCS-56958	SampType: LCS		TestCode: EPA Method 8015M/D: Diesel Range Organics							
Client ID: LCSS	Batch ID: 56958		RunNo: 74004							
Prep Date: 12/12/2020	Analysis Date: 12/15/2020		SeqNo: 2611599		Units: %Rec					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: DNOP	5.3		5.000		106	30.4	154			

Sample ID: LCS-56962	SampType: LCS		TestCode: EPA Method 8015M/D: Diesel Range Organics							
Client ID: LCSS	Batch ID: 56962		RunNo: 74004							
Prep Date: 12/12/2020	Analysis Date: 12/15/2020		SeqNo: 2611601		Units: %Rec					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: DNOP	6.9		5.000		138	30.4	154			

Sample ID: MB-56958	SampType: MBLK		TestCode: EPA Method 8015M/D: Diesel Range Organics							
Client ID: PBS	Batch ID: 56958		RunNo: 74004							
Prep Date: 12/12/2020	Analysis Date: 12/15/2020		SeqNo: 2611603		Units: %Rec					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: DNOP	12		10.00		116	30.4	154			

Qualifiers:

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

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: 2012607

17-Dec-20

Client: Pima Environmental Services LLC

Project: Ore Ida 14 Fed 2

Sample ID: MB-56962	SampType: MBLK	TestCode: EPA Method 8015M/D: Diesel Range Organics								
Client ID: PBS	Batch ID: 56962	RunNo: 74004								
Prep Date: 12/12/2020	Analysis Date: 12/15/2020	SeqNo: 2611604	Units: %Rec							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: DNOP	13		10.00		134	30.4	154			

Qualifiers:

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

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: 2012607

17-Dec-20

Client: Pima Environmental Services LLC

Project: Ore Ida 14 Fed 2

Sample ID: ics-56934	SampType: LCS		TestCode: EPA Method 8015D: Gasoline Range							
Client ID: LCSS	Batch ID: 56934		RunNo: 73983							
Prep Date: 12/11/2020	Analysis Date: 12/13/2020		SeqNo: 2609788		Units: mg/Kg					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	24	5.0	25.00	0	96.5	72.5	106			
Surr: BFB	970		1000		97.1	75.3	105			

Sample ID: ics-56955	SampType: LCS		TestCode: EPA Method 8015D: Gasoline Range							
Client ID: LCSS	Batch ID: 56955		RunNo: 73983							
Prep Date: 12/12/2020	Analysis Date: 12/13/2020		SeqNo: 2609789		Units: %Rec					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: BFB	960		1000		96.2	75.3	105			

Sample ID: mb-56934	SampType: MBLK		TestCode: EPA Method 8015D: Gasoline Range							
Client ID: PBS	Batch ID: 56934		RunNo: 73983							
Prep Date: 12/11/2020	Analysis Date: 12/13/2020		SeqNo: 2609790		Units: mg/Kg					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	ND	5.0								
Surr: BFB	880		1000		87.9	75.3	105			

Sample ID: mb-56955	SampType: MBLK		TestCode: EPA Method 8015D: Gasoline Range							
Client ID: PBS	Batch ID: 56955		RunNo: 73983							
Prep Date: 12/12/2020	Analysis Date: 12/13/2020		SeqNo: 2609791		Units: %Rec					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: BFB	880		1000		87.5	75.3	105			

Sample ID: mb-56937	SampType: MBLK		TestCode: EPA Method 8015D: Gasoline Range							
Client ID: PBS	Batch ID: 56937		RunNo: 74001							
Prep Date: 12/11/2020	Analysis Date: 12/14/2020		SeqNo: 2610915		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	870		1000		87.3	75.3	105			

Sample ID: ics-56937	SampType: LCS		TestCode: EPA Method 8015D: Gasoline Range							
Client ID: LCSS	Batch ID: 56937		RunNo: 74001							
Prep Date: 12/11/2020	Analysis Date: 12/14/2020		SeqNo: 2610916		Units: mg/Kg					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	24	5.0	25.00	0	96.2	72.5	106			
Surr: BFB	990		1000		99.2	75.3	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#: 2012607

17-Dec-20

Client: Pima Environmental Services LLC

Project: Ore Ida 14 Fed 2

Sample ID: 2012607-017ams	SampType: MS	TestCode: EPA Method 8015D: Gasoline Range								
Client ID: S-5 0"-6"	Batch ID: 56937	RunNo: 74001								
Prep Date: 12/11/2020	Analysis Date: 12/14/2020	SeqNo: 2610918	Units: mg/Kg							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	24	5.0	24.90	0	98.2	61.3	114			
Surr: BFB	960		996.0		96.0	75.3	105			

Sample ID: 2012607-017amsd	SampType: MSD	TestCode: EPA Method 8015D: Gasoline Range								
Client ID: S-5 0"-6"	Batch ID: 56937	RunNo: 74001								
Prep Date: 12/11/2020	Analysis Date: 12/14/2020	SeqNo: 2610919	Units: mg/Kg							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	24	5.0	24.78	0	98.2	61.3	114	0.578	20	
Surr: BFB	970		991.1		98.0	75.3	105	0	0	

Qualifiers:

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

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: 2012607

17-Dec-20

Client: Pima Environmental Services LLC

Project: Ore Ida 14 Fed 2

Sample ID: LCS-56934	SampType: LCS	TestCode: EPA Method 8021B: Volatiles								
Client ID: LCSS	Batch ID: 56934	RunNo: 73983								
Prep Date: 12/11/2020	Analysis Date: 12/13/2020	SeqNo: 2609828	Units: mg/Kg							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.95	0.025	1.000	0	95.2	80	120			
Toluene	0.99	0.050	1.000	0	99.3	80	120			
Ethylbenzene	0.99	0.050	1.000	0	99.3	80	120			
Xylenes, Total	3.0	0.10	3.000	0	99.8	80	120			
Surr: 4-Bromofluorobenzene	0.93		1.000		93.0	80	120			

Sample ID: LCS-56955	SampType: LCS	TestCode: EPA Method 8021B: Volatiles								
Client ID: LCSS	Batch ID: 56955	RunNo: 73983								
Prep Date: 12/12/2020	Analysis Date: 12/13/2020	SeqNo: 2609829	Units: %Rec							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: 4-Bromofluorobenzene	0.90		1.000		90.0	80	120			

Sample ID: mb-56934	SampType: MBLK	TestCode: EPA Method 8021B: Volatiles								
Client ID: PBS	Batch ID: 56934	RunNo: 73983								
Prep Date: 12/11/2020	Analysis Date: 12/13/2020	SeqNo: 2609830	Units: mg/Kg							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	ND	0.025								
Toluene	ND	0.050								
Ethylbenzene	ND	0.050								
Xylenes, Total	ND	0.10								
Surr: 4-Bromofluorobenzene	0.89		1.000		89.5	80	120			

Sample ID: mb-56955	SampType: MBLK	TestCode: EPA Method 8021B: Volatiles								
Client ID: PBS	Batch ID: 56955	RunNo: 73983								
Prep Date: 12/12/2020	Analysis Date: 12/13/2020	SeqNo: 2609831	Units: %Rec							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: 4-Bromofluorobenzene	0.89		1.000		89.4	80	120			

Sample ID: mb-56937	SampType: MBLK	TestCode: EPA Method 8021B: Volatiles								
Client ID: PBS	Batch ID: 56937	RunNo: 74001								
Prep Date: 12/11/2020	Analysis Date: 12/14/2020	SeqNo: 2610962	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								

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#: 2012607

17-Dec-20

Client: Pima Environmental Services LLC

Project: Ore Ida 14 Fed 2

Sample ID: mb-56937	SampType: MBLK	TestCode: EPA Method 8021B: Volatiles								
Client ID: PBS	Batch ID: 56937	RunNo: 74001								
Prep Date: 12/11/2020	Analysis Date: 12/14/2020	SeqNo: 2610962	Units: mg/Kg							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: 4-Bromofluorobenzene	0.89		1.000		89.4	80	120			

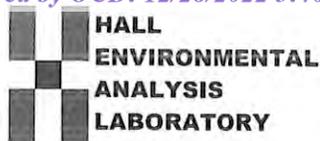
Sample ID: LCS-56937	SampType: LCS	TestCode: EPA Method 8021B: Volatiles								
Client ID: LCSS	Batch ID: 56937	RunNo: 74001								
Prep Date: 12/11/2020	Analysis Date: 12/14/2020	SeqNo: 2610963	Units: mg/Kg							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	1.0	0.025	1.000	0	103	80	120			
Toluene	1.1	0.050	1.000	0	106	80	120			
Ethylbenzene	1.1	0.050	1.000	0	105	80	120			
Xylenes, Total	3.1	0.10	3.000	0	104	80	120			
Surr: 4-Bromofluorobenzene	0.89		1.000		88.6	80	120			

Sample ID: 2012607-018ams	SampType: MS	TestCode: EPA Method 8021B: Volatiles								
Client ID: S-5 1'	Batch ID: 56937	RunNo: 74001								
Prep Date: 12/11/2020	Analysis Date: 12/14/2020	SeqNo: 2610966	Units: mg/Kg							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.83	0.024	0.9452	0	87.9	76.3	120			
Toluene	0.90	0.047	0.9452	0.01190	94.0	78.5	120			
Ethylbenzene	0.91	0.047	0.9452	0.01027	94.9	78.1	124			
Xylenes, Total	2.7	0.095	2.836	0.01497	95.4	79.3	125			
Surr: 4-Bromofluorobenzene	0.87		0.9452		92.0	80	120			

Sample ID: 2012607-018amsd	SampType: MSD	TestCode: EPA Method 8021B: Volatiles								
Client ID: S-5 1'	Batch ID: 56937	RunNo: 74001								
Prep Date: 12/11/2020	Analysis Date: 12/14/2020	SeqNo: 2610967	Units: mg/Kg							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.92	0.025	0.9833	0	93.7	76.3	120	10.4	20	
Toluene	0.98	0.049	0.9833	0.01190	98.0	78.5	120	7.99	20	
Ethylbenzene	0.98	0.049	0.9833	0.01027	98.8	78.1	124	7.89	20	
Xylenes, Total	2.9	0.098	2.950	0.01497	98.7	79.3	125	7.29	20	
Surr: 4-Bromofluorobenzene	0.89		0.9833		90.1	80	120	0	0	

Qualifiers:

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



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

Sample Log-In Check List

Client Name: Pima Environmental Services LLC Work Order Number: 2012607 RcptNo: 1

Received By: Cheyenne Cason 12/11/2020 8:00:00 AM

Completed By: Erin Melendrez 12/11/2020 8:50:48 AM

Reviewed By: *SR 12/11/20*

Chain of Custody

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

Log In

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

of preserved bottles checked for pH: _____
 (<2 or >12 unless noted)
 Adjusted? _____
 Checked by: *SGC 12/11/20*

Special Handling (if applicable)

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

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

16. Additional remarks:

17. Cooler Information

Cooler No	Temp °C	Condition	Seal Intact	Seal No	Seal Date	Signed By
1	5.5	Good				
2	1.9	Good				
3	2.1	Good				
4	1.4	Good				

Chain-of-Custody Record

Client: Pima Environmental
 Mailing Address: Box N Turner Ste. 500
 Phone #: 575-964-7740
 email or Fax#: Chris@Pimaoil.com
 QA/QC Package:
 Standard Level 4 (Full Validation)
 Accreditation: Az Compliance Other
 NELAC Other
 EDD (Type)

Turn-Around Time: 4 Days
 Standard Rush
 Project Name:
Ore Ida 14 Fed 2
 Project #:
58

Project Manager:
Chris Jones
 Sampler: tristan Jones
 On Ice: Yes No
 # of Coolers: 4
 Cooler Temp (including CF): See Box (°C)

Date	Time	Matrix	Sample Name	Container Type and #	Preservative Type	HEAL No.
12/4		soil	S-1 0"-6"	glass	ice	2012007
			S-1 1'			-001
			S-1 2'			-002
			S-1 3'			-003
			S-2 0"-6"			-004
			S-2 1'			-005
			S-2 2'			-006
			S-2 3'			-007
			S-3 0"-6"			-008
			S-3 1'			-009
			S-3 2'			-010
			S-3 3'			-011
						-012

Date: 12/4 Time: 1900
 Relinquished by: Chris Jones
 Date: 12/10/20 Time: 0800
 Relinquished by: Chris Jones
 Received by: William Date: 12/10/20 Time: 0915
 Received by: Chris Jones Date: 12/10/20 Time: 0800



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)	<input checked="" type="checkbox"/>
TPH:8015D(GRO / DRO / MRO)	<input checked="" type="checkbox"/>
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)	<u>Chlorides</u>

Remarks: Bill to Devon 5500255
1.950=1.9
2.150=2.1
1.950=1.9
WO # 20715691

Chain-of-Custody Record

Client: Pima Environmental
 Mailing Address: 1601 N Turner Ste. 500
 Phone #: 520 575-964 - 7740
 email or Fax#: chris@pimaoil.com
 QA/QC Package:
 Standard Level 4 (Full Validation)
 Accreditation: Az Compliance
 NELAC Other
 EDD (Type)

Turn-Around Time: 4 Days
 Standard Rush
 Project Name:
One Ida 14 Feb 2
 Project #: 58

Project Manager:
Chris Jones
 Sampler: Tristan Jones
 On Ice: Yes No
 # of Coolers:

Cooler Temp (including CF):		HEAL No.
Container Type and #	Preservative Type	
glass	ice	2012007
		-013
		-014
		-015
		-016
		-017
		-018
		-019
		-020
		-021
		-022
		-023
		-024

Received by: Alumina Date: 12/16/20 Time: 0800
 Relinquished by: Alumina Date: 12/16/20 Time: 0800



HALL ENVIRONMENTAL ANALYSIS LABORATORY

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4901 Hawkins NE - Albuquerque, NM 87109

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

Analysis Request

<input checked="" type="checkbox"/>	BTEX / MTBE / TMB's (8021)	
<input checked="" type="checkbox"/>	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)	<u>Chlorides</u>

Remarks: Bill to Devon
WO #: 20715691

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

District II
 811 S. First St., Artesia, NM 88210
 Phone:(575) 748-1283 Fax:(575) 748-9720

District III
 1000 Rio Brazos Rd., Aztec, NM 87410
 Phone:(505) 334-6178 Fax:(505) 334-6170

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

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

CONDITIONS

Action 170790

CONDITIONS

Operator: DEVON ENERGY PRODUCTION COMPANY, LP 333 West Sheridan Ave. Oklahoma City, OK 73102	OGRID: 6137
	Action Number: 170790
	Action Type: [C-141] Release Corrective Action (C-141)

CONDITIONS

Created By	Condition	Condition Date
amaxwell	None	2/2/2023