	Page 1 of 2	65
Incident ID	NAB1822127797	
District RP	2RP-4900	
Facility ID		
Application ID		

Site Assessment/Characterization

This information must be provided to the appropriate district office no taler than 90 days after the release discovery date.	
What is the shallowest depth to groundwater beneath the area affected by the release?	<50(ft bgs)
Did this release impact groundwater or surface water?	☐ Yes 🛛 No
Are the lateral extents of the release within 300 feet of a continuously flowing watercourse or any other significant watercourse?	☐ Yes ☒ No
Are the lateral extents of the release within 200 feet of any lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark)?	☐ Yes ☒ No
Are the lateral extents of the release within 300 feet of an occupied permanent residence, school, hospital, institution, or church?	☐ Yes ☒ No
Are the lateral extents of the release within 500 horizontal feet of a spring or a private domestic fresh water well used by less than five households for domestic or stock watering purposes?	☐ Yes ☒ No
Are the lateral extents of the release within 1000 feet of any other fresh water well or spring?	☐ Yes ☒ No
Are the lateral extents of the release within incorporated municipal boundaries or within a defined municipal fresh water well field?	☐ Yes ☒ No
Are the lateral extents of the release within 300 feet of a wetland?	☐ Yes ☒ No
Are the lateral extents of the release overlying a subsurface mine?	☐ Yes ☒ No
Are the lateral extents of the release overlying an unstable area such as karst geology?	X Yes ☐ No
Are the lateral extents of the release within a 100-year floodplain?	☐ Yes ☒ No
Did the release impact areas not on an exploration, development, production, or storage site?	☐ Yes 🛛 No
Attach a comprehensive report (electronic submittals in .pdf format are preferred) demonstrating the lateral and ver contamination associated with the release have been determined. Refer to 19.15.29.11 NMAC for specifics.	tical extents of soil

Ch	aracterization Report Checklist: Each of the following items must be included in the report.
\times	Scaled site map showing impacted area, surface features, subsurface features, delineation points, and monitoring wells.
\times	Field data
\times	Data table of soil contaminant concentration data
\times	Depth to water determination
X	Determination of water sources and significant watercourses within ½-mile of the lateral extents of the release
X	Boring or excavation logs
X	Photographs including date and GIS information
$\overline{\mathbf{X}}$	Tonographic/Aerial mans

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.

■ Laboratory data including chain of custody

Received by OCD: 1/27/2023 8:39:18 AM
State of New Mexico
Page 4
Oil Conservation Division

	Page 2 of 26
Incident ID	NAB1822127797
District RP	2RP-4900
Facility ID	
Amplication 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. Title: EHS Professional Printed Name: Wes Mathews Wesley Mathews Date: 1/27/2023 Signature: email: wesley.mathews@dvn.com Telephone: 575-513-8608 **OCD Only** Received by: Jocelyn Harimon Date: 01/31/2023

A scaled site and sampling diagram as described in 19.15.29.11 NMAC

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Incident ID	NAB1822127797
District RP	2RP-4900
Facility ID	
Application ID	

Closure

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

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

Note that Photographs of the remediated site prior to backfill or photos must be notified 2 days prior to liner inspection)	of the liner integrity if applicable (Note: appropriate OCD District office
☐ Laboratory analyses of final sampling (Note: appropriate ODC	C District office must be notified 2 days prior to final sampling)
Description of remediation activities	
and regulations all operators are required to report and/or file certain may endanger public health or the environment. The acceptance of	ntions. The responsible party acknowledges they must substantially nditions that existed prior to the release or their final land use in
Printed Name: Wes Mathews	Title: EHS Professional
Signature: Wesley Mathews	Date: 1/27/2023
email: wesley.mathews@dvn.com	Telephone: <u>575-513-8608</u>
OCD Only	
Received by: Jocelyn Harimon	Date: 01/31/2023
	of liability should their operations have failed to adequately investigate and water, human health, or the environment nor does not relieve the responsible or regulations.
Closure Approved by: Ashley Maxwell	Date: 2/02/2023
Printed Name: Ashley Maxwell	Title: _ Environmental Specialist
_	



Pima Environmental Services, LLC 5614 N. Lovington Hwy. Hobbs, NM 88240 575-964-7740

January 26, 2023

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

Re: Site Remediation and Closure Report

Parkway West SWD #001 API No. 30-015-40835

GPS: Latitude 32.635483 Longitude -104.071270

UL "D", Sec. 27, T19S, R29E

Eddy County, NM

NMOCD Ref. No. NAB1822127797

Pima Environmental Services, LLC (Pima) has been contracted by Devon Energy Production Company (Devon) to perform a spill assessment, remediation activities, and submit this closure report for a produced water release that occurred at the Parkway West SWD #001 (Parkway). The initial C-141 was submitted on July 25, 2018 (Appendix C). This incident was assigned Incident ID NAB1822127797, by the New Mexico Oil Conservation Division (NMOCD).

Site Characterization

The Parkway is located approximately seventeen (17) miles northeast of Carlsbad, NM. This spill site is in Unit D, Section 27, Township 19S, Range 29E, Latitude 32.635483, Longitude -104.071270, in Eddy County, NM. Figure 1 references a Location Map.

Per the New Mexico Bureau of Geology and Mineral Resources, the geology is made up of the Rustler Formation-Siltstone, gypsum, sandstone, and dolomite (Upper Permian). According to the United States Department of Agriculture Natural Resources Conservation Service soil survey, the soil in this area consists of two types; Kimbrough-Stegall loams and Reeves-Gypsum land complex, both of which have 0 to 3 percent slopes. (Appendix B). The drainage courses in this area are well-drained. There is a high potential for karst geology around the Parkway (Figure 3).

According to the New Mexico Office of the State Engineer, depth to the nearest groundwater in this area is 60 feet below grade surface (BGS). According to the United States Geological Survey, depth to the nearest groundwater is 67 feet BGS. The closest waterway is a salt pond located approximately 4.73 miles to the southeast of this location. See Appendix A for referenced water surveys.

Table 1 NMAC and Closure Criteria 19.15.29									
Depth to Groundwater (Appendix A)		Cons	tituent & Limits						
	Chlorides	Total TPH	GRO+DRO	BTEX	Benzene				
<50' (High Karst)	600 mg/kg	100 mg/kg		50 mg/kg	10 mg/kg				
51-100'	10,000 mg/kg	2,500 mg/kg	1,000 mg/kg	50 mg/kg	10 mg/kg				
>100′	20,000 mg/kg	2,500 mg/kg	1,000 mg/kg	50 mg/kg	10 mg/kg				

Reference Figure 2 for a Topographic Map.

Release Information

<u>NAB1822127797</u>: On July 21, 2018, Water hauler left load line valve open spilling approximately 73 barrels (bbls) of produced water. Water released to location pad; immediately began recovering fluids. (PW: Spilled – 73 bbls, Rec. – 55 bbls, Lost – 18 bbls. All fluid remained on the pad.

Site Assessment and Soil Sampling Results

On September 15, 2020, Pima Environmental conducted a site assessment and obtained soil samples from the affected area on the pad. Laboratory results of this sampling event can be seen in the following data table. Figure 4 references a Site Map.

9-15-20 Soil Sample Results

INIVIOCE			VERGY - PA			4 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 -	dwater is 51	100)		
Cample Dat		EVON EI					2	_		
Sample Dat		A Secretary of	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	CI mg/kg		
S-1	0-6"	ND	ND	ND	ND	ND	ND	448		
S-2	0-6"	ND	ND	ND	ND	ND	ND	640		
1 1	0-6"	ND	ND	ND	ND	ND	ND	688		
S-3 S-4	1	ND	ND	ND	ND	ND	ND	160		
	2'	ND	ND	ND	ND	ND	ND	112		
	3'	ND	ND	ND	ND	ND	ND	96		
	0-6"	ND	ND	ND	ND	ND	ND	1230		
3-4	1'	ND	ND	ND	ND	ND	ND	1040		
S-5	0-6"	ND	ND	ND	ND	ND	ND	1920		
3-3	1'	ND	ND	ND	ND	ND	ND	256		
S-6	0-6"	ND	ND	ND	13.5	ND	13.5	8640		
S-7	0-6"	ND	ND	ND	ND	ND	ND	1540		
S-8	0-6"	ND	ND	ND	17.6	ND	17.6	22200		
S-9	0-6"	ND	ND	ND	ND	ND	ND	14600		
S-10	2'	ND	ND	ND	12.7	ND	12.7	10600		
S-11	0-6"	ND	ND	ND	13.5	ND	13.5	35600		
S-12	2'	ND	ND	ND	ND	ND	ND	17200		
S-13	0-6"	ND	ND	ND	ND	ND	ND.	17200		
3-13	1	0.842	ND	ND	13.5	23.2	37.542	19200		
S-14	0-6"	0.319	ND	ND	66.5	34.2	101.019	17000		
	0-6"	ND	ND	ND	23.5	ND	23.5	11000		
S-15	1'	ND	ND	ND	ND	ND	ND	2200		
	2'	ND	ND	ND	ND	ND	ND	784		
S-16	0-6"	ND	ND	ND	20.5	10.9	31.4	12900		
S-17	0-6"	ND	ND	ND	ND	ND	ND	9860		
	0-6"	ND	ND	ND	ND	ND	ND	10500		
S-18	1'	ND	ND	ND	ND	ND	ND	1710		
3-10	2'	ND	ND	ND	ND	ND	ND	1340		
	3'	ND	ND	ND	ND	ND	ND	1840		
S-19	0-6"	ND	ND	ND	ND	ND	ND	46000		
S-20	0-6"	ND	ND	ND	ND	ND	ND	2600		
S-21	0-6"	ND	ND	ND	ND	ND	ND	880		
BG-1	0-6"	ND	ND	ND	ND	ND	ND	720		
BG-2	0-6"	0.314	ND	ND	ND	ND	ND	144		
BG-3	0-6"	0.314	ND	ND	ND	ND	ND	112		

ND- Analyte Not Detected

On November 23, 2020, Pima returned to the site with a Geoprobe to complete the delineation process of this affected area. The results of this sampling event can be seen in the following table. Figure 5 references a GeoProbe Map.

11-23-20 Soil Sample Results

Devon	Energy - Parkway	Vest SVD #1
mple Date 11-		
Sample ID	Depth (BGS)	Chlorides mg/kg
	1	960
B-1	2	48
	2.5	64
	1	1860
B-2	2	352
	2.5	160
	1	1330
B-3	2	1010
	2.5	624
	1	240
B-4	2	160
	2.5	320
	1	160
B-5	2	80
	2.5	96
	1	3920
B-6	2	752
	2.5	192
	1	720
B-7	2	416
	2.5	640
	1	192
B-8	2	80
	3	80
100	1	96
B-9	2	192
	2.5	352
	1	656
B-10	2	368
	2.5	160
	1	1380
B-11	2	128
	2.5	96
	1	224
B-12	2	32
	2.5	48
	1	320
B-13	2	96
	2.5	48

ND - Analyte Not Detected

Remediation Activities

On December 29, 2020, Pima mobilized personnel and equipment to conduct remedial activities. We began excavating the contaminated material from the affected area, hauling it to Lea Land disposal, then hauling in clean material for backfill. Samples were taken from the sidewalls as we excavated. The results of this first sampling event can be seen in the following data table. Photographic documentation can be found in Appendix D.

12-31-20 Soil Sample Results

N	MOCD Ta	ble 1 Clos	ure Criteria	19.15.29	NMAC (H	IGH KARS	T AREA)	
		Dev	on Energy - I	Parkway V	Vest SWD	1		
Sample Date 12	-31-20		N	IM Appro	ved Labor	atory Res	ults	
Sample ID	Depth (BGS)	BTEX mg/kg	Benzene mg/kg	GRO mg/kg	DRO mg/kg	MRO mg/kg	Total TPH mg/kg	Cl mg/kg
N Wall Comp1	1	ND	ND	ND	10.7	ND	10.7	96
N Wall Comp2	1	ND	ND	ND	ND	ND	ND	48
N Wall Comp3	1	ND	ND	ND	ND	ND	ND	96
N Wall Comp4	1	ND	ND	ND	ND	ND	ND	64
W Wall Comp1	1	ND	ND	ND	ND	ND	ND	144
W Wall Comp2	1	ND	ND	ND	ND	ND	ND	144
W Wall Comp3	1	ND	ND	ND	ND	ND	ND	3120
W Wall Comp4	1	ND	ND	ND	ND	ND	ND	1960

ND – Analyte Not Detected

On January 8, 2021, Pima continued to the remediate the affected area. We continued to take samples from the sidewalls to confirm that the contamination had been removed horizontally. The results of this sampling event can be seen in the following data table.

1-8-21 Soil Sample Results

NMOCD	Table 1 C	losure Cr	iteria 19.1	5.29 NM	AC (Depth	to Ground	dwater is 51	-100')		
		DEVON E	NERGY - P	ARKWAY	WEST UNI	T #1 SWD	i .			
Sample Date 1	1-8-21	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		
East Wall 1	1'	ND	ND	ND	ND	ND	ND	64		
East Wall 2	1'	ND	ND	ND	ND	ND	ND	80		
East Wall 3	1'	ND	ND	ND	ND	ND	ND	64		
East Wall 4	1'	ND	ND	ND	ND	ND	ND	80		
South Wall 1	1'	ND	ND	ND	ND	ND	ND	96		
South Wall 2	1'	ND	ND	ND	ND	ND	ND	96		
South Wall 3	1'	ND	ND	ND	ND	ND	ND	96		
South Wall 4	1'	ND	ND	ND	ND	ND	ND	80		
South Wall 5	1'	ND	ND	ND	ND	ND	ND	112		
South Wall 6	1'	ND	ND	ND	ND	ND	ND	80		
South Wall 7	1'	ND	ND	ND	ND	ND	ND	96		
South Wall 8	1'	ND	ND	ND	ND	ND	ND	80		
West Wall 3	1'	ND	ND	ND	ND	ND	ND	144		
West Wall 4	1'	ND	ND	ND	ND	ND	ND	128		

ND- Analyte Not Detected

The previous closure report mentioned samples that were taken on February 9, 2021, and February 10, 2021. After a good deal of research and review, it was concluded that these samples did not belong to either incident associated with this location. The data tables and lab reports for these samples have been removed. The email correspondence about this has been attached in Appendix C.

On February 20, 2021, Pima collected confirmation samples from the excavation to confirm all contamination had been removed. The excavation was then backfilled with clean, like material and repacked so the site could be put back in service. Figure 6 references an Excavation Map-Sidewalls.

After much searching and researching, the data from this sampling event could not be found. It was concluded that these samples were lost and never sent to the lab for official confirmation. It was also concluded that a 48-hour notification was never sent to the NMOCD.

On May 21, 2021, after sending a 48-hour notification via email, Pima returned to the site to collect confirmation samples from the remediated area. The results of this sampling event can be seen in the following data table. Figure 7 references a Confirmation Sample Map.

5-21-21 Confirmation Soil Sample Results

MMOC	O Table		e Criteria I				roundwater i	s 50')
		DEY	ON ENERG	Y - Parks	ray West	SVD 31		-
Date 5/2	1/21	ĺ	M	M Approx	red Labor	atory Re	sults	
Sample ID	Depth (BGS)	BTEX mg/kg	Beazene mg/kg	GRO mg/kg	DRO mg/kg	MRO mg/kg	Total TPH mg/kg	Cl mg/kg
CS-1	0	ND	ND	ND	ND	ND	ND	ND
	10	ND	ND	ND	ND	ND	ND	ND
CS-2	0	ND	ND	ND	ND	ND	ND	ND
Dec 21	1	ND	ND -	ND	ND	ND	ND	5.68
CS-3	0	ND	ND	ND	ND	ND	ND	ND
20.0	1	ND	ND	ND	ND	ND	ND	5,71
CS-4	0	ND	ND	ND	ND	ND	ND	ND
	1	ND	- ND	ND	ND -	ND	ND	5.21
CS-5	0	ND	ND	ND	ND	ND	ND	ND
00.0	10	ND	ND	ND	ND	ND	ND	6.56
CS-6	0	ND	ND.	ND	ND	ND	ND	15.2
000	1	ND	ND	ND	ND	ND	ND	ND
CS-7	0	ND	ND	ND	ND	ND	ND	ND
400	40	ND	ND	ND	ND	ND	ND	ND
CS-8	0	ND	ND	ND	ND	ND	ND	ND
	1	ND	ND	ND	ND	ND	ND	ND
CS-9	0	ND	ND	ND	ND	ND	ND	ND
	4	ND	ND	ND	ND	ND	ND	ND
CS-10	0	ND -	ND	ND	ND	ND	ND	ND
	- 1	ND	- ND	ND	ND	ND	ND	ND
CS-11	0	ND	ND	ND	ND	ND	ND	ND
65-0	4	ND	ND	ND	ND	ND	ND	ND
CS-12	0	ND -	0.0035	ND	ND	ND	ND	5.39
C3-12	- 1	ND-	- ND	ND	ND -	ND	ND	6.73
CS-13	0	ND	ND	ND	ND	ND	ND	ND
69-13	4	ND	ND	ND	ND	ND	ND	ND
CS-14	0.	ND	ND.	ND	ND	ND	ND	5.98
U.3-14	1	ND	ND	ND	ND	ND	ND	173
CS-15	0	ND	ND	ND	ND	ND	ND	10.4
P2-13	10	ND	ND	ND	ND	ND	ND	5.21
CS-16	0	ND	ND.	ND	ND	ND	ND	ND
C2-10	- 1	ND	ND	ND	ND	ND	ND	6.44
CS-17	0	ND	ND	ND	ND	ND	ND	8.27
C3-1/	10	ND	ND	ND	ND	ND	ND	ND
CS-18	0.	ND	ND.	ND	ND	ND	ND	ND
C-0-10	- 30	ND-	ND	ND	ND	ND	ND	ND
CC 10	0	ND	ND	ND	ND	ND	ND	ND
F2-13	1	ND	ND	ND	ND	ND	ND	ND
CS-19 CS-20	0	ND	ND.	ND	ND	ND	ND	ND
	1	ND	- ND	ND	ND	ND	ND	ND
CC 24	0	ND	ND	ND	ND	ND	ND	18.4
CS-21	7	ND	ND	ND	ND	ND	ND	ND
PP-22	0	ND	ND	ND	ND	ND	ND	6.1
CS-22	1	ND	ND	ND	ND	ND	ND	5.38
00.00	0	ND	ND	ND	ND	ND	ND	ND
CS-23	1	ND	ND	ND	ND	ND	ND	5.44

ND - No Analyte Detected

Complete Laboratory Reports can be found in Appendix E.

Closure Request

After careful review, Pima requests that this incident, NAB1822127797, be closed. Devon has complied with the applicable closure requirements set forth in rule 19.15.19.12 NMAC.

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

Attachments

Figures:

- 1- Location Map
- 2- Topographic Map
- 3- Karst Map
- 4- Site Map
- 5- GeoProbe Map
- 6- Excavation Map-Sidewalls
- 7- Confirmation Sample Map

Appendices:

Appendix A - Referenced Water Surveys

Appendix B - Soil Survey, Geological Data, Flood, & Wetlands Data

Appendix C - C-141 Form, 48-Hour Notification, & Email Correspondence

Appendix D - Photographic Documentation

Appendix E - Laboratory Reports



Figures:

1-Location Map

2-Topographic Map

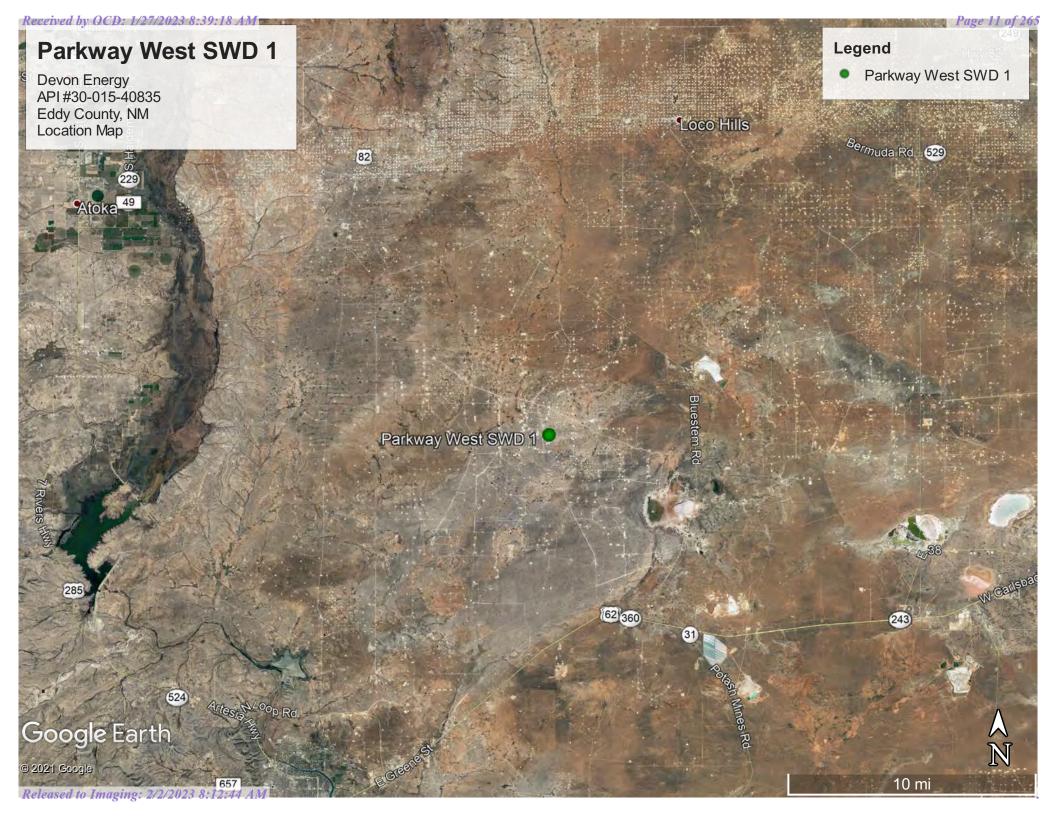
3-Karst Map

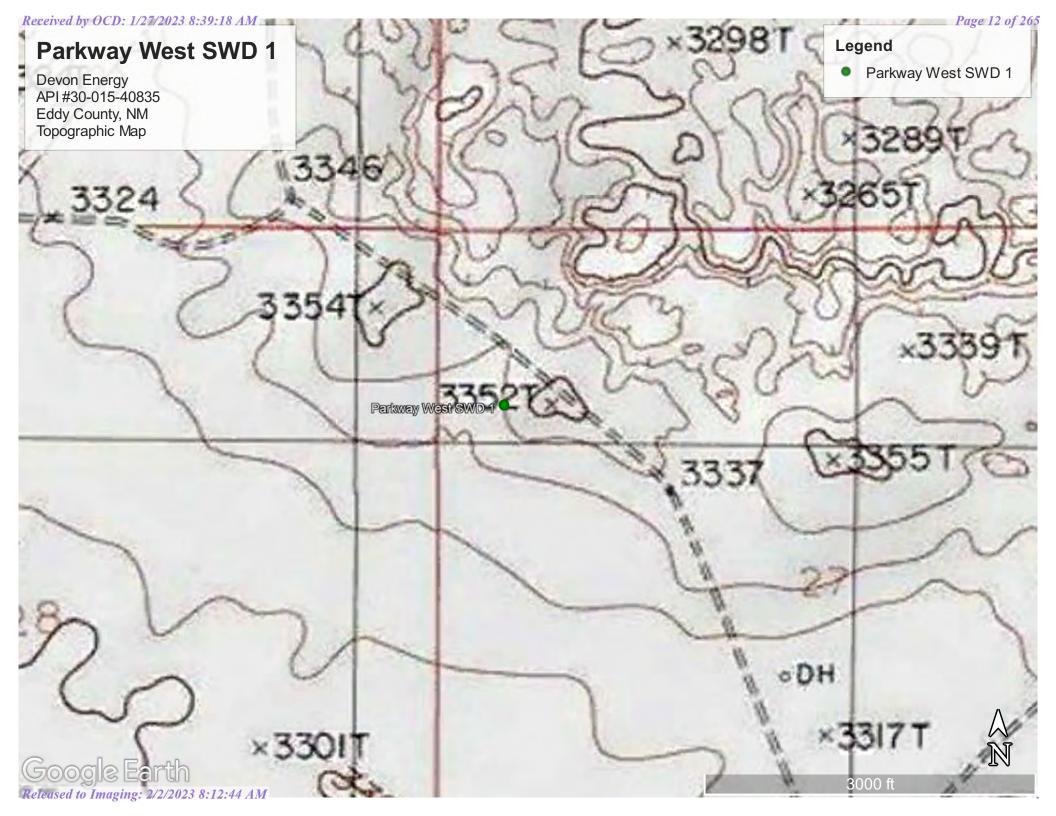
4-Site Map

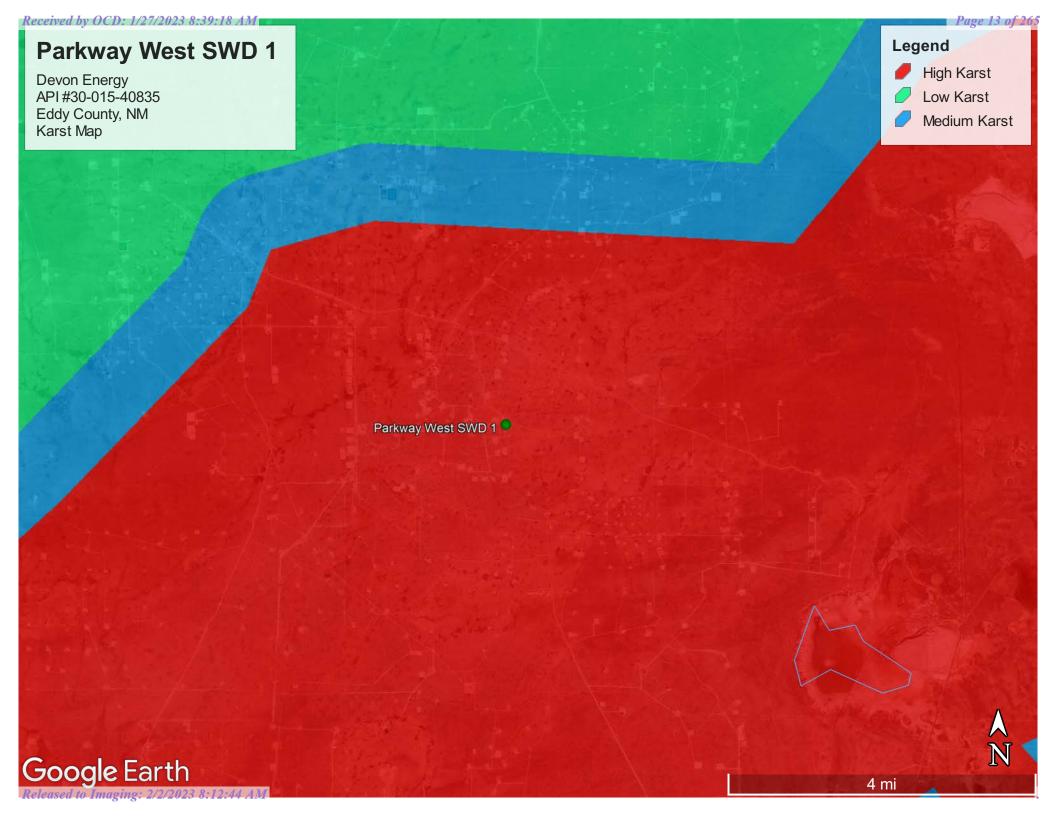
5-GeoProbe Map

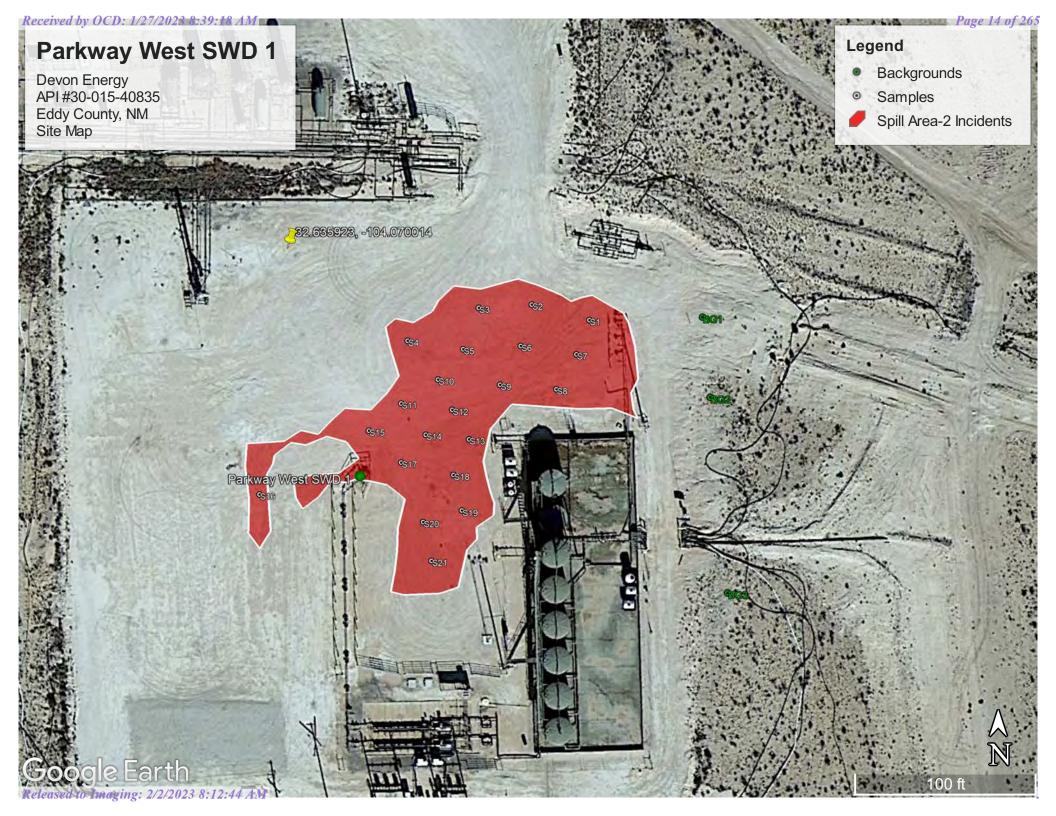
6-Excavation Map-Sidewalls

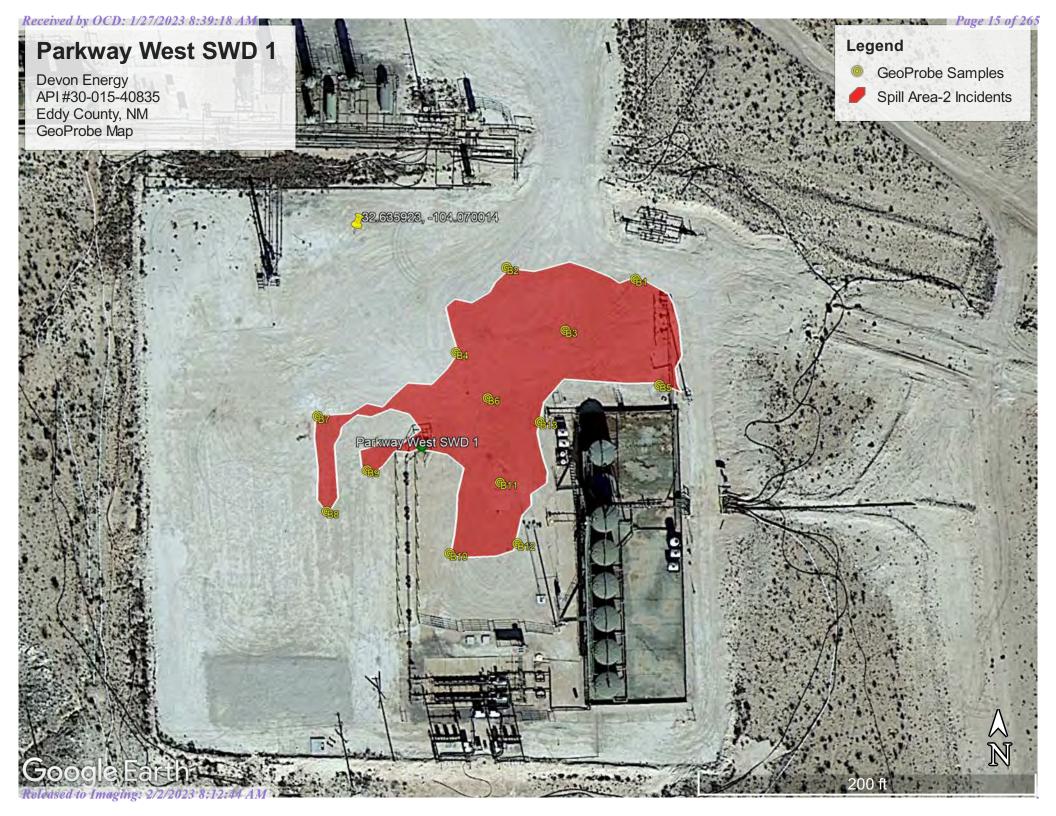
7-Confirmation Sample Map

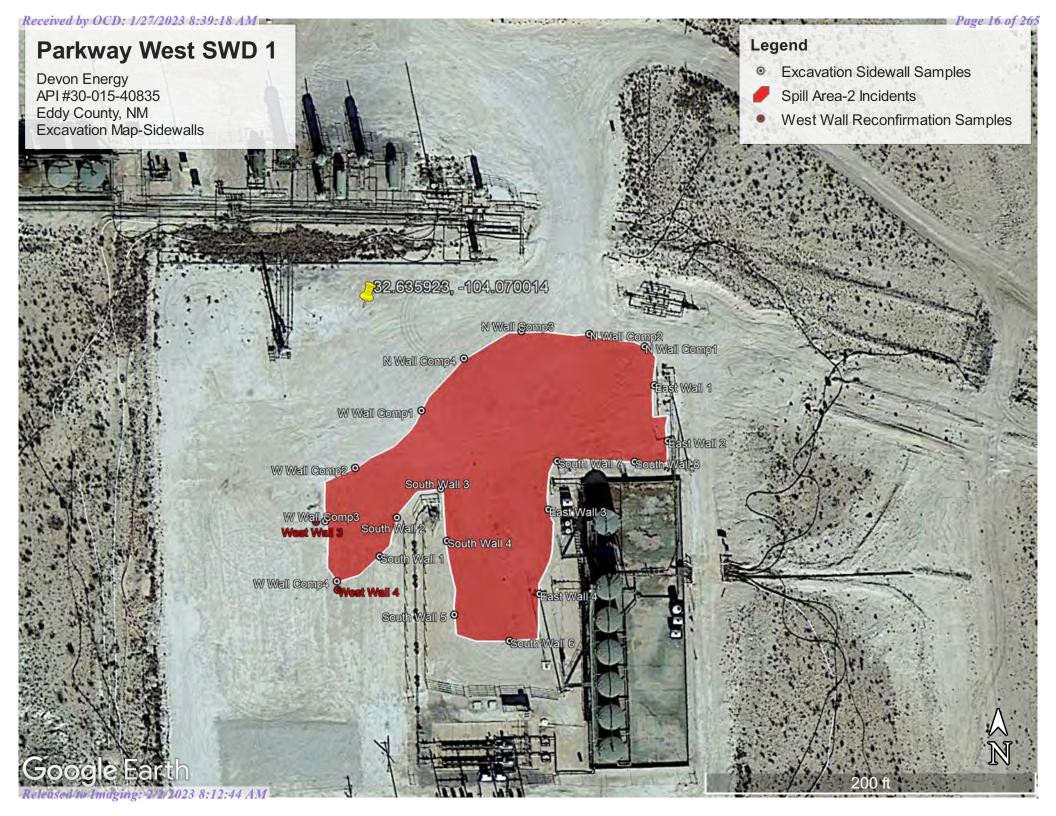


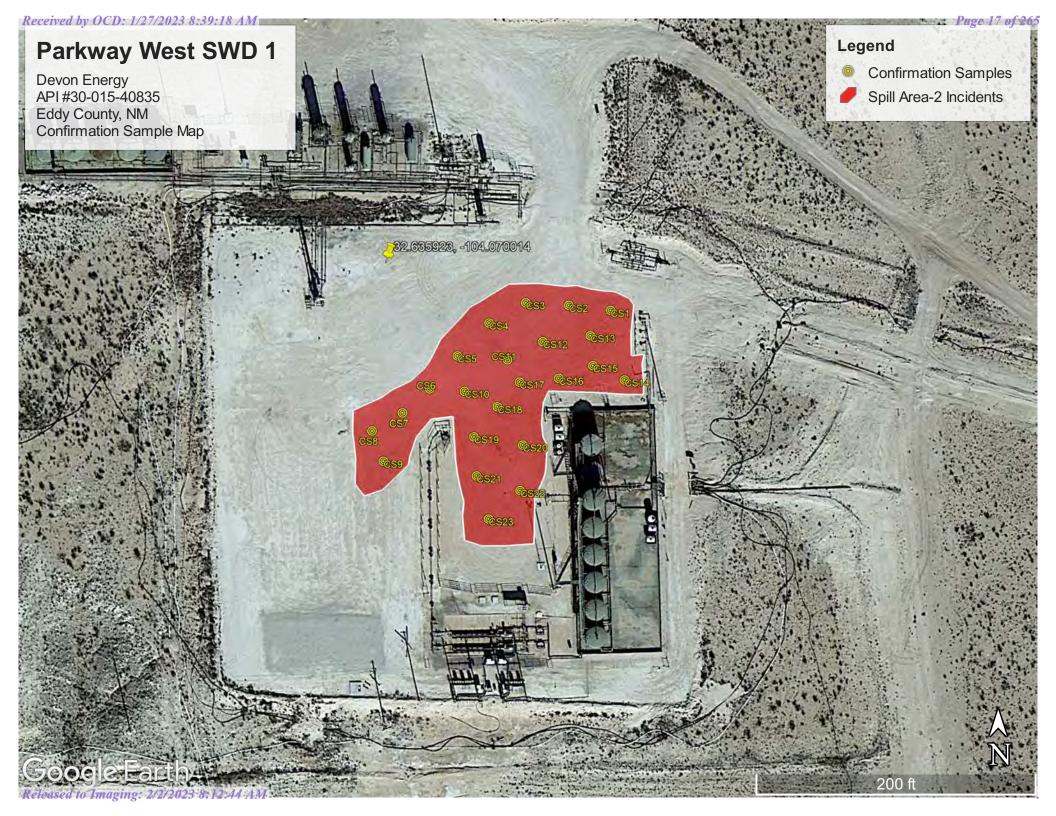














Appendix A

Water Surveys:

OSE

USGS

Surface Water Map



New Mexico Office of the State Engineer

Water Column/Average Depth to Water

(A CLW##### in the POD suffix indicates the POD has been replaced & no longer serves a water right file.) (R=POD has been replaced, O=orphaned, C=the file is closed)

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

(quarters are smallest to largest) (NAD83 UTM in meters)

(In feet)

		POD													
		Sub-		Q	Q	Q								W	ater
POD Number	Code	basin	County	64	16	4	Sec	Tws	Rng	X	Y	DistanceDep	thWellDept	hWater Co	lumn
<u>CP 00741</u>		CP	ED	1	3	2	34	19S	29E	588030	3609533*	1906	230	60	170
<u>CP 00681</u>		CP	ED	1	1	3	34	19S	29E	587230	3609127*	2143			
<u>CP 00698 POD1</u>		CP	ED		3	1	03	20S	29E	587393	3608010	3263			
<u>CP 00830 POD1</u>		CP	LE		2	1	04	20S	29E	586118	3608193*	3277	120		
<u>CP 00739 POD1</u>		CP	ED	3	4	4	35	19S	29E	590068	3608622	3870	200	110	90

Average Depth to Water:

85 feet

Minimum Depth:

60 feet

Maximum Depth:

110 feet

Record Count: 5

UTMNAD83 Radius Search (in meters):

Easting (X): 587245.47 Northing (Y): 3611270.81 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.

2/12/21 9:04 AM

WATER COLUMN/ AVERAGE DEPTH TO WATER



USGS Home Contact USGS Search USGS

National Water Information System: Web Interface

USGS Water Resources

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

Click to hideNews Bulletins

- Introducing The Next Generation of USGS Water Data for the Nation
- Full News
- NOTICE: Feb 10, 2021 17:30ET 18:23ET Data Transmissions were impacted by an unplanned system maintenance outage. Data are now processing.

Groundwater levels for the Nation

* IMPORTANT: Next Generation Station Page

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

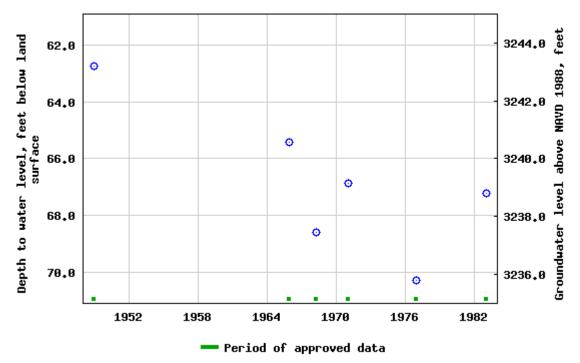
Available data for this site Groundwater: Field measurements

USGS 323900104052901 19S.29E.20.24111 RATLSNAKE

Attailable data for this site Civalianator. Flora modernionic
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 Other aquifers (N9999OTHER) national aquifer.
This well is completed in the Rustler Formation (312RSLR) local aquifer.
Output formats

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

USGS 323900104052901 195,29E,20,24111 RATLSNAKE



Breaks in the plot represent a gap of at least one year between field measurements. <u>Download a presentation-quality graph</u>

Questions about sites/data?
Feedback on this web site
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U.S. Department of the Interior | U.S. Geological Survey

Title: Groundwater for USA: Water Levels

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

Page Contact Information: <u>USGS Water Data Support Team</u>

Page Last Modified: 2021-02-12 11:06:14 EST

0.66 0.58 nadww02







Appendix B

Soil Survey & Geological Data FEMA Flood Map Wetlands Map

Eddy Area, New Mexico

KT—Kimbrough-Stegall loams, 0 to 3 percent slopes

Map Unit Setting

National map unit symbol: 1w4t Elevation: 2,750 to 5,000 feet

Mean annual precipitation: 8 to 16 inches

Mean annual air temperature: 57 to 70 degrees F

Frost-free period: 180 to 230 days

Farmland classification: Not prime farmland

Map Unit Composition

Kimbrough and similar soils: 70 percent Stegall and similar soils: 25 percent Minor components: 5 percent

Estimates are based on observations, descriptions, and transects of

the mapunit.

Description of Kimbrough

Setting

Landform: Alluvial fans, plains

Landform position (three-dimensional): Rise, talf

Down-slope shape: Linear, convex

Across-slope shape: Linear

Parent material: Mixed alluvium and/or eolian sands

Typical profile

H1 - 0 to 3 inches: loam H2 - 3 to 9 inches: loam H3 - 9 to 60 inches: indurated

Properties and qualities

Slope: 0 to 3 percent

Depth to restrictive feature: 8 to 20 inches to petrocalcic

Drainage class: Well drained Runoff class: Very high

Capacity of the most limiting layer to transmit water (Ksat): Very low

to moderately low (0.00 to 0.06 in/hr) Depth to water table: More than 80 inches

Frequency of flooding: None Frequency of ponding: None

Calcium carbonate, maximum content: 15 percent

Maximum salinity: Nonsaline to very slightly saline (0.0 to 2.0

mmhos/cm)

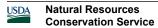
Sodium adsorption ratio, maximum: 1.0

Available water capacity: Very low (about 1.3 inches)

Interpretive groups

Land capability classification (irrigated): None specified

Land capability classification (nonirrigated): 7s



Hydrologic Soil Group: D

Ecological site: R042XC025NM - Shallow

Hydric soil rating: No

Description of Stegall

Setting

Landform: Alluvial fans, plains

Landform position (three-dimensional): Rise

Down-slope shape: Linear, convex

Across-slope shape: Linear

Parent material: Mixed alluvium and/or eolian sands

Typical profile

H1 - 0 to 5 inches: loam
H2 - 5 to 28 inches: clay loam
H3 - 28 to 32 inches: indurated
H4 - 32 to 60 inches: variable

Properties and qualities

Slope: 0 to 3 percent

Depth to restrictive feature: 20 to 40 inches to petrocalcic

Drainage class: Well drained Runoff class: Medium

Capacity of the most limiting layer to transmit water (Ksat): Low to

moderately high (0.01 to 0.60 in/hr)

Depth to water table: More than 80 inches

Frequency of flooding: None Frequency of ponding: None

Calcium carbonate, maximum content: 90 percent Maximum salinity: Nonsaline to slightly saline (0.0 to 4.0

mmhos/cm)

Sodium adsorption ratio, maximum: 1.0

Available water capacity: Low (about 4.8 inches)

Interpretive groups

Land capability classification (irrigated): 3e Land capability classification (nonirrigated): 3e

Hydrologic Soil Group: C

Ecological site: R042XC007NM - Loamy

Hydric soil rating: No

Minor Components

Simona

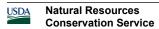
Percent of map unit: 5 percent

Ecological site: R042XC002NM - Shallow Sandy

Hydric soil rating: No

Data Source Information

Soil Survey Area: Eddy Area, New Mexico Survey Area Data: Version 16, Jun 8, 2020



Eddy Area, New Mexico

RG—Reeves-Gypsum land complex, 0 to 3 percent slopes

Map Unit Setting

National map unit symbol: 1w5f Elevation: 1,250 to 5,000 feet

Mean annual precipitation: 10 to 25 inches Mean annual air temperature: 57 to 70 degrees F

Frost-free period: 190 to 235 days

Farmland classification: Not prime farmland

Map Unit Composition

Reeves and similar soils: 55 percent

Gypsum land: 30 percent Minor components: 15 percent

Estimates are based on observations, descriptions, and transects of

the mapunit.

Description of Reeves

Setting

Landform: Hills, plains, ridges

Landform position (two-dimensional): Backslope, footslope,

shoulder, toeslope

Landform position (three-dimensional): Crest, nose slope, side

slope, head slope Down-slope shape: Convex Across-slope shape: Linear

Parent material: Residuum weathered from gypsum

Typical profile

H1 - 0 to 8 inches: loam H2 - 8 to 32 inches: clay loam

H3 - 32 to 60 inches: gypsiferous material

Properties and qualities

Slope: 0 to 1 percent

Depth to restrictive feature: More than 80 inches

Drainage class: Well drained

Runoff class: High

Capacity of the most limiting layer to transmit water (Ksat): Very low

to moderately low (0.00 to 0.06 in/hr) Depth to water table: More than 80 inches

Frequency of flooding: None Frequency of ponding: None

Calcium carbonate, maximum content: 25 percent

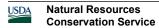
Gypsum, maximum content: 80 percent

Maximum salinity: Very slightly saline to moderately saline (2.0 to

8.0 mmhos/cm)

Sodium adsorption ratio, maximum: 4.0

Available water capacity: Low (about 4.3 inches)



Interpretive groups

Land capability classification (irrigated): 3s Land capability classification (nonirrigated): 7s

Hydrologic Soil Group: B

Ecological site: R042XC007NM - Loamy

Hydric soil rating: No

Description of Gypsum Land

Setting

Landform: Hills, plains, ridges

Landform position (two-dimensional): Backslope, footslope,

shoulder, toeslope

Landform position (three-dimensional): Crest, nose slope, side

slope, head slope Down-slope shape: Convex Across-slope shape: Linear

Parent material: Residuum weathered from gypsum

Interpretive groups

Land capability classification (irrigated): None specified

Land capability classification (nonirrigated): 8s

Hydric soil rating: No

Minor Components

Cottonwood

Percent of map unit: 5 percent

Ecological site: R042XC033NM - Salty Bottomland

Hydric soil rating: No

Reagan

Percent of map unit: 5 percent

Ecological site: R042XC007NM - Loamy

Hydric soil rating: No

Largo

Percent of map unit: 5 percent

Ecological site: R042XC007NM - Loamy

Hydric soil rating: No

Data Source Information

Soil Survey Area: Eddy Area, New Mexico Survey Area Data: Version 16, Jun 8, 2020

Received by OCD: 1/27/2023 8:39:18 AM National Flood Hazard Layer FIRMette





SEE FIS REPORT FOR DETAILED LEGEND AND INDEX MAP FOR FIRM PANEL LAYOUT Without Base Flood Elevation (BFE) With BFE or Depth Zone AE, AO, AH, VE, AR SPECIAL FLOOD HAZARD AREAS Regulatory Floodway 0.2% Annual Chance Flood Hazard, Areas of 1% annual chance flood with average depth less than one foot or with drainage areas of less than one square mile Zone X **Future Conditions 1% Annual** Chance Flood Hazard Zone X Area with Reduced Flood Risk due to Levee. See Notes. Zone X OTHER AREAS OF Area with Flood Risk due to Levee Zone D FLOOD HAZARD NO SCREEN Area of Minimal Flood Hazard Zone X Effective LOMRs OTHER AREAS Area of Undetermined Flood Hazard Zone D - - - Channel, Culvert, or Storm Sewer **GENERAL** STRUCTURES | LILLIL Levee, Dike, or Floodwall 20.2 Cross Sections with 1% Annual Chance 17.5 Water Surface Elevation **Coastal Transect** Base Flood Elevation Line (BFE) Limit of Study Jurisdiction Boundary -- Coastal Transect Baseline OTHER **Profile Baseline FEATURES** Hydrographic Feature Digital Data Available No Digital Data Available MAP PANELS Unmapped The pin displayed on the map is an approximate

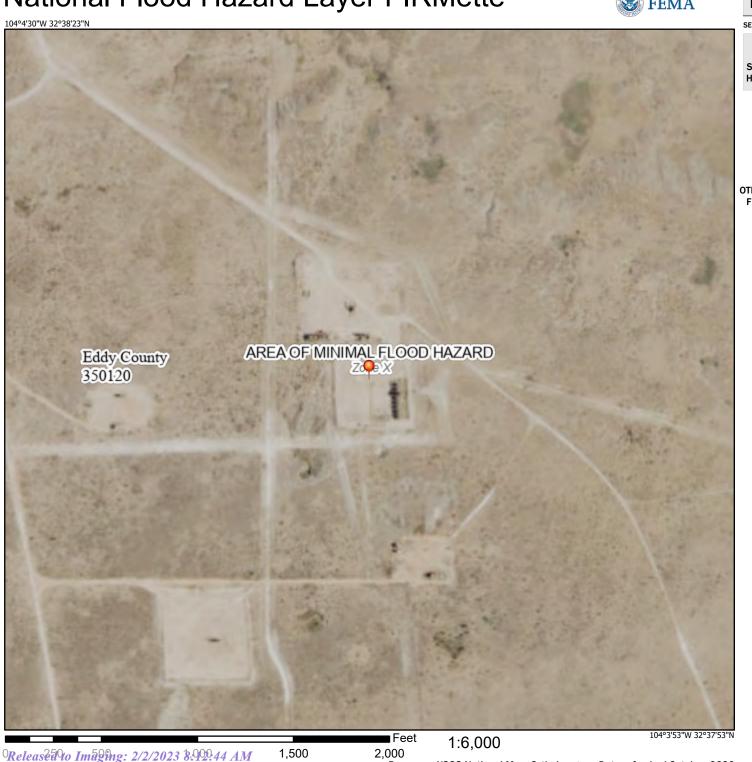
This map complies with FEMA's standards for the use of digital flood maps if it is not void as described below. The basemap shown complies with FEMA's basemap accuracy standards

point selected by the user and does not represent

an authoritative property location.

The flood hazard information is derived directly from the authoritative NFHL web services provided by FEMA. This map was exported on 2/16/2021 at 11:40 AM and does not reflect changes or amendments subsequent to this date and time. The NFHL and effective information may change or become superseded by new data over time.

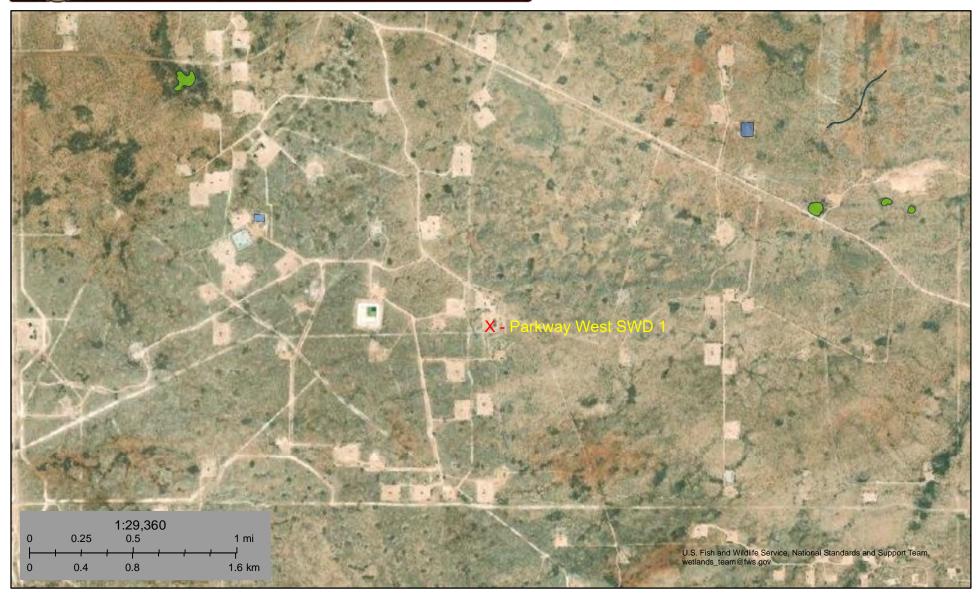
This map image is void if the one or more of the following map elements do not appear: basemap imagery, flood zone labels, legend, scale bar, map creation date, community identifiers, FIRM panel number, and FIRM effective date. Map images for unmapped and unmodernized areas cannot be used for regulatory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



2.000



Wetlands Map



December 16, 2022

Wetlands

Estuarine and Marine Deepwater

Estuarine and Marine Wetland

Freshwater Emergent Wetland

Freshwater Emergent Wetland
Freshwater Forested/Shrub Wetland

Freshwater Pond

Other

Riverine

Lake

This map is for general reference only. The US Fish and Wildlife Service is not responsible for the accuracy or currentness of the base data shown on this map. All wetlands related data should be used in accordance with the layer metadata found on the Wetlands Mapper web site.



Appendix C

C-141 Form

48-Hour Notification

OCD Rec'd: 08/06/18

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

Form C-141 Revised April 3, 2017

Oil Conservation Division 1220 South St. Francis Dr. Santa Fe, NM 87505 Submit 1 Copy to appropriate District Office in accordance with 19.15.29 NMAC.

Release Notification and Corrective Action												
NAB1822127797					OPERATOR Initial Report Final Repo					Final Report		
					137	Contact Aar	on Kidd; Forem	an Techni				
		Rivers Hwy		M 88210			No. 575-748-33			•		
Facility Nar	ne Parkwa	y West SW	D 1			Facility Typ	e Salt Water Di	sposal				
Surface Ow	ner State			Mineral C	wner S	tate		T A	API No.	30-015-40	835	
				LOCA	TION	OF RE	LEASE					
				North/	South Line	Feet from the	East/West Line County Eddy					
Latitude_32.635483 N Longitude -104.071270 W_ NAD83												
				NAT	URE	OF REL						
Type of Rele Source of Re							Release 73 BBL			covered 5		
Source of Ke	lease Load	Line					lour of Occurrenc @ 4:30 AM MST			lour of Dis @ 4:30 AN		
Was Immedia	ate Notice (If YES, To	Whom?	•				
			Yes _	No Not Re	equired	ENMRD N	Aike Bratcher and	l Maria Prue	ett			
By Whom? E	Brett Fulks;	EHS Professi	onal			Date and Hour OCD and BLM 7/22/2018 @ 9:33 PM MST						
Was a Water	course Read					If YES, Volume Impacting the Watercourse.						
] Yes ⊠] No		N/A						
If a Watercou N/A	ırse was Im	pacted, Descr	ibe Fully.	*								
		em and Reme ne valve open		n Taken.* pproximately 73 b	arrels of	produced wa	ater.					
		and Cleanup and pad; immed		ken.* gan recovering flu	ds. (PW	: Spilled - 73	bbls., Rec 55 t	bls., Lost -	18 bbls.)		
I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to NMOCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the NMOCD marked as "Final Report" does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to ground water, surface water, human health or the environment. In addition, NMOCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations.							ndanger f liability man health					
							OIL CON	SERVA'	TION :	DIVISIO	<u>N</u>	
Signature: Ta	mala J. Robi	ison										
						Approved by Environmental Specialist: Maria Pruch						
Title: Field Admin Support						Approval Date: 8/1/18 Expiration Date: N/A						
E-mail Address: Tamala.Robison@dvn.com					Conditions of Approval:				1000			
Date: 7/25/2018 Phone: 575-748-3371						Dll.	Uttac	nea	6	***	2 44 <i>0</i> C	

* Attach Additional Sheets If Necessary

	Page 32 of 2	<i>65</i>
Incident ID	NAB1822127797	
District RP	2RP-4900	
Facility ID		
Application ID		

Site Assessment/Characterization

This information must be provided to the appropriate district office no taler than 90 days after the release discovery date.				
What is the shallowest depth to groundwater beneath the area affected by the release?	<50(ft bgs)			
Did this release impact groundwater or surface water?	☐ Yes ☒ No			
Are the lateral extents of the release within 300 feet of a continuously flowing watercourse or any other significant watercourse?	☐ Yes ☒ No			
Are the lateral extents of the release within 200 feet of any lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark)?	☐ Yes 🔀 No			
Are the lateral extents of the release within 300 feet of an occupied permanent residence, school, hospital, institution, or church?	☐ Yes 🔀 No			
Are the lateral extents of the release within 500 horizontal feet of a spring or a private domestic fresh water well used by less than five households for domestic or stock watering purposes?	☐ Yes 🔀 No			
Are the lateral extents of the release within 1000 feet of any other fresh water well or spring?	☐ Yes ☒ No			
Are the lateral extents of the release within incorporated municipal boundaries or within a defined municipal fresh water well field?	☐ Yes ☒ No			
Are the lateral extents of the release within 300 feet of a wetland?	☐ Yes ☒ No			
Are the lateral extents of the release overlying a subsurface mine?	☐ Yes ☒ No			
Are the lateral extents of the release overlying an unstable area such as karst geology?	Xes □ No			
Are the lateral extents of the release within a 100-year floodplain?	☐ Yes ☒ No			
Did the release impact areas not on an exploration, development, production, or storage site?	☐ Yes 🛛 No			
Attach a comprehensive report (electronic submittals in .pdf format are preferred) demonstrating the lateral and vertical extents of soil contamination associated with the release have been determined. Refer to 19.15.29.11 NMAC for specifics.				

Characterization Report Checklist: Each of the following items must be included in the report.
Character Entrol Report Checking.
Scaled site map showing impacted area, surface features, subsurface features, delineation points, and monitoring wells.
Field data
Data table of soil contaminant concentration data
Depth to water determination
Determination of water sources and significant watercourses within ½-mile of the lateral extents of the release
Boring or excavation logs
Photographs including date and GIS information
▼ Topographic/Aerial maps
Laboratory data including chain of custody
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.

Received by OCD: 1/27/2023 8:39:18 AM Form C-141 State of New Mexico Oil Conservation Division Page 4

Page 33 of 265 NAB1822127797

Incident ID District RP 2RP-4900 Facility ID Application ID

I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to OCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the OCD does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment. In addition, OCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations.					
Printed Name: Wes Mathews	Title: EHS Professional				
Signature: Wesley Mathews	Date: 1/27/2023				
email: _wesley.mathews@dvn.com	Telephone: <u>575-513-8608</u>				
OCD Only					
Received by:	Date:				

Page 34 of 265

Incident ID	NAB1822127797
District RP	2RP-4900
Facility ID	
Application ID	

Closure

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

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

A scaled site and sampling diagram as described in 19.15.29.	11 NMAC
Photographs of the remediated site prior to backfill or photos must be notified 2 days prior to liner inspection)	s of the liner integrity if applicable (Note: appropriate OCD District office
■ Laboratory analyses of final sampling (Note: appropriate OD)	C District office must be notified 2 days prior to final sampling)
□ Description of remediation activities	
and regulations all operators are required to report and/or file certa may endanger public health or the environment. The acceptance of should their operations have failed to adequately investigate and re human health or the environment. In addition, OCD acceptance of compliance with any other federal, state, or local laws and/or regul restore, reclaim, and re-vegetate the impacted surface area to the coaccordance with 19.15.29.13 NMAC including notification with 19.15.29.13 N	lations. The responsible party acknowledges they must substantially onditions that existed prior to the release or their final land use in OCD when reclamation and re-vegetation are complete.
Printed Name: Wes Mathews	Title: EHS Professional
Signature: Wesley Mathews	Date: _1/27/2023
email: wesley.mathews@dvn.com	Telephone: <u>575-513-8608</u>
OCD Only	
Received by:	Date:
	y of liability should their operations have failed to adequately investigate and water, human health, or the environment nor does not relieve the responsible for regulations.
Closure Approved by:	Date:
Printed Name:	Title:

From: <u>Tom Pima Oil</u>

To: ocdonline@state.nm.us; Marcus, Ramona, EMNRD; Billings, Bradford, EMNRD; Eads, Cristina, EMNRD; Venegas,

Victoria, EMNRD; Smith, Cory, EMNRD; Hensley, Chad, EMNRD; Hamlet, Robert, EMNRD; Bratcher, Mike, EMNRD

Cc: <u>Chris Jones; Mathews, Wesley; Sebastian Pima Oil</u>

Subject: 48-Hour Notification - NRM2026529539/NAB1822127797 (Parkway West SWD 1)

Date: Wednesday, May 19, 2021 7:16:18 AM

Good morning,

Pima Environmental would like to notify you that we will be collecting confirmation samples at the Parkway West SWD 1 for incident IDs NRM2026529539 and NAB1822127797. One of our techs is scheduled to be on site for this sampling event at approximately 12:00 p.m. on Friday, May 21st.

Thank you,

Tom Bynum - Project Manager 580-748-1613

Pima Environmental Services, LLC

From: tom@pimaoil.com To: "Maxwell, Ashley, EMNRD"

"Woodall, Dale"; "Mathews, Wesley"; "Bratcher, Michael, EMNRD" Cc:

Subject: RE: [EXTERNAL] The Oil Conservation Division (OCD) has rejected the application, Application ID: 172051 - NRM2026529539

Date: Thursday, January 26, 2023 12:39:53 PM

Attachments: image002.png

Ashley,

Yes ma'am will do, many thanks.

THANK YOU,

Tom Bynum Cell - 580-748-1613 Office - 575-964-7740



Pima Environmental Services, LLC. 5614 N Lovington Hwy. Hobbs, NM, 88240

From: Maxwell, Ashley, EMNRD < Ashley. Maxwell@emnrd.nm.gov>

Sent: Thursday, January 26, 2023 12:15 PM

To: tom@pimaoil.com

Cc: 'Woodall, Dale' <Dale. Woodall@dvn.com>; 'Mathews, Wesley' <Wesley. Mathews@dvn.com>; Bratcher, Michael, EMNRD <mike.bratcher@emnrd.nm.gov>

Subject: RE: [EXTERNAL] The Oil Conservation Division (OCD) has rejected the application, Application ID: 172051 - NRM2026529539

Tom,

Thank you for the quick response. Please revise the report and have Dale submit it via the OCD permitting portal.

Thanks, Ashley

Ashley Maxwell • Environmental Specialist

Environmental Bureau Projects Group EMNRD - Oil Conservation Division 1000 Rio Brazos Road | Aztec, NM 87110 505.635.5000 | Ashley.Maxwell@emnrd.nm.gov

http://www.emnrd.state.nm.us/OCD/

From: tom@pimaoil.com <tom@pimaoil.com> Sent: Thursday, January 26, 2023 11:34 AM

To: Maxwell, Ashley, EMNRD < Ashley.Maxwell@emnrd.nm.gov>

Cc: 'Woodall, Dale' < Dale. Woodall@dvn.com'>; 'Mathews, Wesley' < Wesley. Mathews@dvn.com'>; Bratcher, Michael, EMNRD

<mike.bratcher@emnrd.nm.gov>

Subject: RE: [EXTERNAL] The Oil Conservation Division (OCD) has rejected the application, Application ID: 172051 - NRM2026529539

Good morning Ashley,

I have researched and reviewed the information from this report for the last few hours. I believe I found the discrepancy in the lab data. The labs from February 9th, and 10th, 2021 (see snap-shot below) do NOT belong to this incident and therefore should not have been included in this report. As of right now, I have not found where these labs belong. In my opinion, each one of these tables is for a different release, but I cannot confirm that at this point. I do apologize for the mix-up and for not catching this error before now. This information will also affect incident ID nAB1822127797, which was a smaller release that was overlapped by the current incident in question; nRM2026529539.

Would you like for me to revise this closure report to include the explanation for this error, or simply include this email correspondence in the report? I appreciate your time, please holler if you have any questions.

On February 9 and 10, 2021, Pima continued to excavate and collect samples to confirm the contamination had been removed. The results of this sampling event can be seen in the following tables. Figure 6 references an Excavation Map-Sidewalls.

2-9-21 Soil Sample Results

WWOCD	Table 1		ENERGY -			CONTRACTOR OF THE CONTRACTOR O	ndwater is 51	100)
Sample Date	e 2-9-21		1	VM Appro	ved Labor	atory Res	ults	
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
East-1	0	ND	ND	ND	ND	ND	ND	1410
East-2	0	ND	ND	ND	ND	ND	ND	160
South-3	0	ND	ND	ND	ND	ND	ND	752
South-4	0	ND	ND-	ND	ND .	ND	ND	144
West-5	0	ND	ND	ND	ND	ND	ND	160
West-6	0	ND	ND	ND	ND	ND	ND	1310
North-7	0	ND	ND	ND	ND	ND	ND	2480
North-8	0	ND	ND	ND	ND	ND	ND	240

2-10-21 Soil Sample Results

				O									
NMOCE	Table 1 C	losure C	riteria 19.1	5.29 NM	AC (Depth	to Groun	dwater is 51	-100')					
		DEVON	ENERGY - P	ARKWAY	WEST UN	IT #1 SWD)						
ample Date 2-10-21 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					
SW-1	0	ND	ND.	ND	ND	ND	ND	256					
SW-2	0	ND	ND	ND	ND	ND	ND	432					
WW-3	0	ND	ND	ND	ND	ND	ND	192					
WW-4	0	ND	ND	ND	ND	ND	ND	432					
WW-5	0	ND	ND	ND	ND	ND	ND	400					

ND - Analyte Not Detected

THANK YOU,

*Tom Bynum*Cell – 580-748-1613
Office – 575-964-7740



Pima Environmental Services, LLC. 5614 N Lovington Hwy. Hobbs, NM, 88240

From: Woodall, Dale < <u>Dale.Woodall@dvn.com</u>>
Sent: Thursday, January 26, 2023 8:16 AM

To: Tom Pima Oil < tom@pimaoil.com>; 'Gio PimaOil' < gio@pimaoil.com>; Mathews, Wesley < wesley.Mathews@dvn.com>

Subject: Fwd: [EXTERNAL] The Oil Conservation Division (OCD) has rejected the application, Application ID: 172051

Parkway west SWD: rejected report.

Dale Woodall Environmental Professional

Hobbs, NM 88240 Office: 575-748-1838 Mobile: 405-318-4697

From: OCDOnline@state.nm.us>

Sent: Thursday, January 26, 2023 8:00:09 AM **To:** Woodall, Dale < <u>Dale. Woodall@dvn.com</u>>

Subject: [EXTERNAL] The Oil Conservation Division (OCD) has rejected the application, Application ID: 172051

To whom it may concern (c/o Dale Woodall for DEVON ENERGY PRODUCTION COMPANY, LP),

The OCD has rejected the submitted *Application for administrative approval of a release notification and corrective action* (C-141), for incident ID (n#) nRM2026529539, for the following reasons:

- Sidewall sample names in table/lab report do not match sidewall sample names on figure.
- Samples East-1, West-6, and North-7 exceed closure criteria.
- Submit report via the OCD permitting portal by 4/28/2023.

The rejected C-141 can be found in the OCD Online: Permitting - Action Status, under the Application ID: 172051. Please review and make the required correction(s) prior to resubmitting.

If you have any questions why this application was rejected or believe it was rejected in error, please contact me prior to submitting an additional C-141.

Thank you, Ashley Maxwell Projects Environmental Specialist - A 505-635-5000 Ashley.Maxwell@emnrd.nm.gov

New Mexico Energy, Minerals and Natural Resources Department 1220 South St. Francis Drive Santa Fe, NM 87505

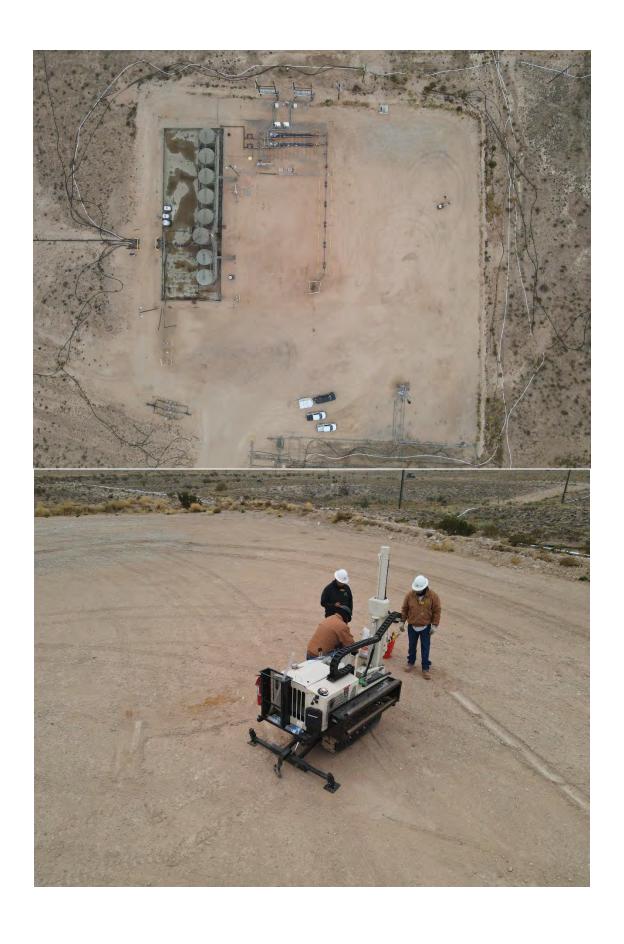
Confidentiality Warning: This message and any attachments are intended only for the use of the intended recipient(s), are confidential, and may be privileged. If you are not the intended recipient, you are hereby notified that any review, retransmission, conversion to hard copy, copying, circulation 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.



Appendix D

Photographic Documentation







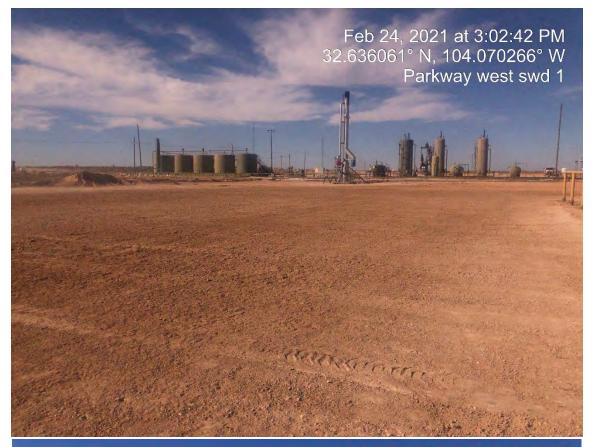




























Appendix E

Laboratory Reports



September 30, 2020

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

RE: PARKWAY WEST SWD

Enclosed are the results of analyses for samples received by the laboratory on 09/25/20 8:50.

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

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

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

Accreditation applies to public drinking water matrices.

Celey D. Keine

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

Sincerely,

Celey D. Keene

Lab Director/Quality Manager



Analytical Results For:

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

Received: 09/25/2020 Sampling Date: 09/15/2020

Reported: 09/30/2020 Sampling Type: Soil

Project Name: PARKWAY WEST SWD Sampling Condition: Cool & Intact
Project Number: 49 Sample Received By: Tamara Oldaker

A ... - L ... - - - I D. .. MC

Project Location: DEVON - 32.635774-104.069381

Sample ID: S - 1 - 0" - 6" (H002542-01)

BTEX 8021B	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/25/2020	ND	2.22	111	2.00	2.04	
Toluene*	<0.050	0.050	09/25/2020	ND	2.25	113	2.00	1.92	
Ethylbenzene*	<0.050	0.050	09/25/2020	ND	2.22	111	2.00	2.12	
Total Xylenes*	<0.150	0.150	09/25/2020	ND	6.39	106	6.00	2.12	
Total BTEX	<0.300	0.300	09/25/2020	ND					
Surrogate: 4-Bromofluorobenzene (PID	107	% 73.3-12	9						
Chloride, SM4500CI-B	mg,	/kg	Analyze	d By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	448	16.0	09/28/2020	ND	400	100	400	0.00	
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/25/2020	ND	195	97.5	200	9.47	
DRO >C10-C28*	<10.0	10.0	09/25/2020	ND	185	92.6	200	13.7	
EXT DRO >C28-C36	<10.0	10.0	09/25/2020	ND					
Surrogate: 1-Chlorooctane	116	% 44.3-14	4						
Surrogate: 1-Chlorooctadecane	118	% 42.2-15	6						

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Celey D. Keene



Analytical Results For:

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

Received: 09/25/2020 Sampling Date: 09/15/2020

Reported: 09/30/2020 Sampling Type: Soil

Project Name: PARKWAY WEST SWD Sampling Condition: Cool & Intact Sample Received By: Project Number: 49 Tamara Oldaker

Project Location: DEVON - 32.635774-104.069381

Sample ID: S - 2 - 0" - 6" (H002542-02)

BTEX 8021B	mg/	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/25/2020	ND	2.22	111	2.00	2.04	
Toluene*	<0.050	0.050	09/25/2020	ND	2.25	113	2.00	1.92	
Ethylbenzene*	<0.050	0.050	09/25/2020	ND	2.22	111	2.00	2.12	
Total Xylenes*	<0.150	0.150	09/25/2020	ND	6.39	106	6.00	2.12	
Total BTEX	<0.300	0.300	09/25/2020	ND					
Surrogate: 4-Bromofluorobenzene (PID	105 9	73.3-12	9						
Chloride, SM4500CI-B	mg/	kg	Analyze	d By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	640	16.0	09/28/2020	ND	400	100	400	0.00	
TPH 8015M	mg/	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/25/2020	ND	195	97.5	200	9.47	
DRO >C10-C28*	<10.0	10.0	09/25/2020	ND	185	92.6	200	13.7	
EXT DRO >C28-C36	<10.0	10.0	09/25/2020	ND					
Surrogate: 1-Chlorooctane	120 9	% 44.3-14	4						
Surrogate: 1-Chlorooctadecane	121 9	6 42.2-15	6						

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Analytical Results For:

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

Received: 09/25/2020 Sampling Date: 09/15/2020

Reported: 09/30/2020 Sampling Type: Soil

Project Name: PARKWAY WEST SWD Sampling Condition: Cool & Intact Sample Received By: Project Number: 49 Tamara Oldaker

Project Location: DEVON - 32.635774-104.069381

Sample ID: S - 3 - 0" - 6" (H002542-03)

BTEX 8021B	mg/	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/25/2020	ND	2.22	111	2.00	2.04	
Toluene*	<0.050	0.050	09/25/2020	ND	2.25	113	2.00	1.92	
Ethylbenzene*	< 0.050	0.050	09/25/2020	ND	2.22	111	2.00	2.12	
Total Xylenes*	<0.150	0.150	09/25/2020	ND	6.39	106	6.00	2.12	
Total BTEX	<0.300	0.300	09/25/2020	ND					
Surrogate: 4-Bromofluorobenzene (PID	105 9	73.3-12	9						
Chloride, SM4500Cl-B	mg/	kg	Analyze	d By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	688	16.0	09/28/2020	ND	400	100	400	0.00	
TPH 8015M	mg/	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/25/2020	ND	195	97.5	200	9.47	
DRO >C10-C28*	<10.0	10.0	09/25/2020	ND	185	92.6	200	13.7	
EXT DRO >C28-C36	<10.0	10.0	09/25/2020	ND					
Surrogate: 1-Chlorooctane	117 %	6 44.3-14	4						
Surrogate: 1-Chlorooctadecane	119 9	6 42.2-15	6						

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Celey D. Keene



Analytical Results For:

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

Received: 09/25/2020 Sampling Date: 09/15/2020

Reported: 09/30/2020 Sampling Type: Soil

Project Name: PARKWAY WEST SWD Sampling Condition: Cool & Intact
Project Number: 49 Sample Received By: Tamara Oldaker

Analyzed By: MS

Project Location: DEVON - 32.635774-104.069381

mg/kg

Sample ID: S - 3 - 1' (H002542-04)

BTEX 8021B

DILX GOZID	ıııg,	ng .	Andryzo	a by. 1-15					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/25/2020	ND	2.22	111	2.00	2.04	
Toluene*	<0.050	0.050	09/25/2020	ND	2.25	113	2.00	1.92	
Ethylbenzene*	<0.050	0.050	09/25/2020	ND	2.22	111	2.00	2.12	
Total Xylenes*	<0.150	0.150	09/25/2020	ND	6.39	106	6.00	2.12	
Total BTEX	<0.300	0.300	09/25/2020	ND					
Surrogate: 4-Bromofluorobenzene (PID	105	% 73.3-12	9						
Chloride, SM4500CI-B	mg	/kg	Analyze	ed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	160	16.0	09/28/2020	ND	400	100	400	0.00	
TPH 8015M	mg	/kg	Analyze	ed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/25/2020	ND	195	97.5	200	9.47	
DRO >C10-C28*	<10.0	10.0	09/25/2020	ND	185	92.6	200	13.7	
EXT DRO >C28-C36	<10.0	10.0	09/25/2020	ND					
Surrogate: 1-Chlorooctane	124	% 44.3-14	4						
Surrogate: 1-Chlorooctadecane	125	% 42.2-15	6						

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Celey D. Kreine



09/15/2020

Analytical Results For:

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

Received: 09/25/2020 Sampling Date: Reported: 09/30/2020 Sampling Type:

Soil Project Name: PARKWAY WEST SWD Sampling Condition: Cool & Intact

Sample Received By: Project Number: 49 Tamara Oldaker

Project Location: DEVON - 32.635774-104.069381

Sample ID: S - 3 - 2' (H002542-05)

BTEX 8021B	mg/	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/25/2020	ND	2.22	111	2.00	2.04	
Toluene*	<0.050	0.050	09/25/2020	ND	2.25	113	2.00	1.92	
Ethylbenzene*	<0.050	0.050	09/25/2020	ND	2.22	111	2.00	2.12	
Total Xylenes*	<0.150	0.150	09/25/2020	ND	6.39	106	6.00	2.12	
Total BTEX	<0.300	0.300	09/25/2020	ND					
Surrogate: 4-Bromofluorobenzene (PID	104 9	73.3-12	9						
Chloride, SM4500CI-B	mg/	kg	Analyze	d By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	112	16.0	09/28/2020	ND	400	100	400	0.00	
TPH 8015M	mg/	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/25/2020	ND	195	97.5	200	9.47	
DRO >C10-C28*	<10.0	10.0	09/25/2020	ND	185	92.6	200	13.7	
EXT DRO >C28-C36	<10.0	10.0	09/25/2020	ND					
Surrogate: 1-Chlorooctane	127 9	% 44.3-14	4						
Surrogate: 1-Chlorooctadecane	125 9	% 42.2-15	6						

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Celeg D. Freene



Sampling Condition:

Sample Received By:

09/15/2020

Cool & Intact

Tamara Oldaker

Analytical Results For:

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

Received: 09/25/2020 Sampling Date:

Reported: 09/30/2020 Sampling Type: Soil

Project Name: PARKWAY WEST SWD
Project Number: 49

Project Location: DEVON - 32.635774-104.069381

Sample ID: S - 3 - 3' (H002542-06)

BTEX 8021B	mg	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/25/2020	ND	2.22	111	2.00	2.04	
Toluene*	<0.050	0.050	09/25/2020	ND	2.25	113	2.00	1.92	
Ethylbenzene*	<0.050	0.050	09/25/2020	ND	2.22	111	2.00	2.12	
Total Xylenes*	<0.150	0.150	09/25/2020	ND	6.39	106	6.00	2.12	
Total BTEX	<0.300	0.300	09/25/2020	ND					
Surrogate: 4-Bromofluorobenzene (PID	105	% 73.3-12	9						
Chloride, SM4500CI-B	mg,	/kg	Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	96.0	16.0	09/28/2020	ND	400	100	400	0.00	
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/25/2020	ND	195	97.5	200	9.47	
DRO >C10-C28*	<10.0	10.0	09/25/2020	ND	185	92.6	200	13.7	
EXT DRO >C28-C36	<10.0	10.0	09/25/2020	ND					
Surrogate: 1-Chlorooctane	127	% 44.3-14	4						
Surrogate: 1-Chlorooctadecane	127	% 42.2-15	6						

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Celey D. Keene



Analytical Results For:

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

Received: 09/25/2020 Sampling Date: 09/15/2020

Reported: 09/30/2020 Sampling Type: Soil

Project Name: PARKWAY WEST SWD Sampling Condition: Cool & Intact
Project Number: 49 Sample Received By: Tamara Oldaker

Applyzod By: MC

Project Location: DEVON - 32.635774-104.069381

Sample ID: S - 4 - 0" - 6" (H002542-07)

RTFY 8021R

B1EX 8021B	mg	/кд	Anaiyze	а ву: м5					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/25/2020	ND	2.22	111	2.00	2.04	
Toluene*	<0.050	0.050	09/25/2020	ND	2.25	113	2.00	1.92	
Ethylbenzene*	<0.050	0.050	09/25/2020	ND	2.22	111	2.00	2.12	
Total Xylenes*	<0.150	0.150	09/25/2020	ND	6.39	106	6.00	2.12	
Total BTEX	<0.300	0.300	09/25/2020	ND					
Surrogate: 4-Bromofluorobenzene (PID	104	% 73.3-12	9						
Chloride, SM4500CI-B	mg/kg		Analyze	Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1230	16.0	09/28/2020	ND	400	100	400	0.00	
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/25/2020	ND	195	97.5	200	9.47	
DRO >C10-C28*	<10.0	10.0	09/25/2020	ND	185	92.6	200	13.7	
EXT DRO >C28-C36	<10.0	10.0	09/25/2020	ND					
Surrogate: 1-Chlorooctane	114	% 44.3-14	4						
Surrogate: 1-Chlorooctadecane	118	% 42.2-15	6						

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Celey D. Keene



Analytical Results For:

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

Received: 09/25/2020 Sampling Date: 09/15/2020

Reported: 09/30/2020 Sampling Type: Soil

Project Name: PARKWAY WEST SWD Sampling Condition: Cool & Intact
Project Number: 49 Sample Received By: Tamara Oldaker

Analyzed By: MS

Project Location: DEVON - 32.635774-104.069381

mg/kg

Sample ID: S - 4 - 1' (H002542-08)

BTEX 8021B

DILX GOZID	ıııg,	, kg	Andryzo	a by. 1-15					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/25/2020	ND	2.22	111	2.00	2.04	
Toluene*	<0.050	0.050	09/25/2020	ND	2.25	113	2.00	1.92	
Ethylbenzene*	<0.050	0.050	09/25/2020	ND	2.22	111	2.00	2.12	
Total Xylenes*	<0.150	0.150	09/25/2020	ND	6.39	106	6.00	2.12	
Total BTEX	<0.300	0.300	09/25/2020	ND					
Surrogate: 4-Bromofluorobenzene (PID	104	% 73.3-12	9						
Chloride, SM4500CI-B	mg,	/kg	Analyze	ed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1040	16.0	09/28/2020	ND	400	100	400	0.00	
TPH 8015M	mg	/kg	Analyze	ed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/25/2020	ND	195	97.5	200	9.47	
DRO >C10-C28*	<10.0	10.0	09/25/2020	ND	185	92.6	200	13.7	
EXT DRO >C28-C36	<10.0	10.0	09/25/2020	ND					
Surrogate: 1-Chlorooctane	130	% 44.3-14	4						
Surrogate: 1-Chlorooctadecane	128	% 42.2-15	6						

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Celey & Keene



09/15/2020

Soil

Analytical Results For:

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

Received: 09/25/2020 Sampling Date:
Reported: 09/30/2020 Sampling Type:

Project Name: PARKWAY WEST SWD Sampling Condition: Cool & Intact
Project Number: 49 Sample Received By: Tamara Oldaker

Project Location: DEVON - 32.635774-104.069381

Sample ID: S - 5 - 0" - 6" (H002542-09)

BTEX 8021B	mg	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/25/2020	ND	2.22	111	2.00	2.04	
Toluene*	<0.050	0.050	09/25/2020	ND	2.25	113	2.00	1.92	
Ethylbenzene*	<0.050	0.050	09/25/2020	ND	2.22	111	2.00	2.12	
Total Xylenes*	<0.150	0.150	09/25/2020	ND	6.39	106	6.00	2.12	
Total BTEX	<0.300	0.300	09/25/2020	ND					
Surrogate: 4-Bromofluorobenzene (PID	104	% 73.3-12	9						
Chloride, SM4500CI-B	mg,	/kg	Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1920	16.0	09/28/2020	ND	400	100	400	0.00	
TPH 8015M	mg	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/25/2020	ND	195	97.5	200	9.47	
DRO >C10-C28*	<10.0	10.0	09/25/2020	ND	185	92.6	200	13.7	
EXT DRO >C28-C36	<10.0	10.0	09/25/2020	ND					
Surrogate: 1-Chlorooctane	116	% 44.3-14	4						
Surrogate: 1-Chlorooctadecane	117	% 42.2-15	6						

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Analytical Results For:

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

Received: 09/25/2020 Reported: 09/30/2020

Project Name: PARKWAY WEST SWD

Project Number: 49

Project Location: DEVON - 32.635774-104.069381

Sampling Date: 09/15/2020

Sampling Type: Soil

Sampling Condition: Cool & Intact
Sample Received By: Tamara Oldaker

Sample ID: S - 6 - 0" - 6" (H002542-10)

BTEX 8021B	mg	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/25/2020	ND	2.22	111	2.00	2.04	
Toluene*	<0.050	0.050	09/25/2020	ND	2.25	113	2.00	1.92	
Ethylbenzene*	<0.050	0.050	09/25/2020	ND	2.22	111	2.00	2.12	
Total Xylenes*	<0.150	0.150	09/25/2020	ND	6.39	106	6.00	2.12	
Total BTEX	<0.300	0.300	09/25/2020	ND					
Surrogate: 4-Bromofluorobenzene (PID	104	% 73.3-12	9						
Chloride, SM4500CI-B	mg,	/kg	Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	8640	16.0	09/28/2020	ND	400	100	400	0.00	
TPH 8015M	mg	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/25/2020	ND	195	97.5	200	9.47	
DRO >C10-C28*	13.5	10.0	09/25/2020	ND	185	92.6	200	13.7	
EXT DRO >C28-C36	<10.0	10.0	09/25/2020	ND					
Surrogate: 1-Chlorooctane	132	% 44.3-14	4						
Surrogate: 1-Chlorooctadecane	135	% 42.2-15	6						

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Analytical Results For:

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

Received: 09/25/2020 Sampling Date: 09/15/2020

Reported: 09/30/2020 Sampling Type: Soil

Project Name: PARKWAY WEST SWD Sampling Condition: Cool & Intact
Project Number: 49 Sample Received By: Tamara Oldaker

Applyzod By: MC

Project Location: DEVON - 32.635774-104.069381

Sample ID: S - 7 - 0" - 6" (H002542-11)

RTFY 8021R

BIEX 8021B	тд/кд		Anaiyze	Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/25/2020	ND	2.22	111	2.00	2.04	
Toluene*	<0.050	0.050	09/25/2020	ND	2.25	113	2.00	1.92	
Ethylbenzene*	<0.050	0.050	09/25/2020	ND	2.22	111	2.00	2.12	
Total Xylenes*	<0.150	0.150	09/25/2020	ND	6.39	106	6.00	2.12	
Total BTEX	<0.300	0.300	09/25/2020	ND					
Surrogate: 4-Bromofluorobenzene (PID	103	% 73.3-12	9						
Chloride, SM4500Cl-B	mg	/kg	Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1540	16.0	09/28/2020	ND	416	104	400	0.00	
TPH 8015M	mg	/kg	Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/25/2020	ND	195	97.5	200	9.47	
DRO >C10-C28*	<10.0	10.0	09/25/2020	ND	185	92.6	200	13.7	
EXT DRO >C28-C36	<10.0	10.0	09/25/2020	ND					
Surrogate: 1-Chlorooctane	118	% 44.3-14	14						
Surrogate: 1-Chlorooctadecane	121	% 42.2-15	6						

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Analytical Results For:

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

Received: 09/25/2020 Sampling Date: 09/15/2020

Reported: 09/30/2020 Sampling Type: Soil

Project Name: PARKWAY WEST SWD Sampling Condition: Cool & Intact Sample Received By: Project Number: 49 Tamara Oldaker

Project Location: DEVON - 32.635774-104.069381

Sample ID: S - 8 - 0" - 6" (H002542-12)

BTEX 8021B	mg/kg		Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/25/2020	ND	2.22	111	2.00	2.04	
Toluene*	<0.050	0.050	09/25/2020	ND	2.25	113	2.00	1.92	
Ethylbenzene*	<0.050	0.050	09/25/2020	ND	2.22	111	2.00	2.12	
Total Xylenes*	<0.150	0.150	09/25/2020	ND	6.39	106	6.00	2.12	
Total BTEX	<0.300	0.300	09/25/2020	ND					
Surrogate: 4-Bromofluorobenzene (PID	104 9	% 73.3-12	9						
Chloride, SM4500Cl-B	mg/	kg	Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	22200	16.0	09/28/2020	ND	416	104	400	0.00	
TPH 8015M	mg/	kg	Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/25/2020	ND	195	97.5	200	9.47	
DRO >C10-C28*	17.6	10.0	09/25/2020	ND	185	92.6	200	13.7	
EXT DRO >C28-C36	<10.0	10.0	09/25/2020	ND					
Surrogate: 1-Chlorooctane	121 9	% 44.3-14	4						
Surrogate: 1-Chlorooctadecane	126 9	% 42.2-15	6						

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Analytical Results For:

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

Received: 09/25/2020 Sampling Date: 09/15/2020

Reported: 09/30/2020 Sampling Type: Soil

Project Name: PARKWAY WEST SWD Sampling Condition: Cool & Intact Sample Received By: Project Number: 49 Tamara Oldaker

Project Location: DEVON - 32.635774-104.069381

Sample ID: S - 9 - 0" - 6" (H002542-13)

BTEX 8021B	mg/kg		Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/25/2020	ND	2.22	111	2.00	2.04	
Toluene*	<0.050	0.050	09/25/2020	ND	2.25	113	2.00	1.92	
Ethylbenzene*	<0.050	0.050	09/25/2020	ND	2.22	111	2.00	2.12	
Total Xylenes*	<0.150	0.150	09/25/2020	ND	6.39	106	6.00	2.12	
Total BTEX	<0.300	0.300	09/25/2020	ND					
Surrogate: 4-Bromofluorobenzene (PID	105 9	6 73.3-12	9						
Chloride, SM4500Cl-B	mg/	kg	Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	14600	16.0	09/28/2020	ND	416	104	400	0.00	
TPH 8015M	mg/	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/25/2020	ND	195	97.5	200	9.47	
DRO >C10-C28*	<10.0	10.0	09/25/2020	ND	185	92.6	200	13.7	
EXT DRO >C28-C36	<10.0	10.0	09/25/2020	ND					
Surrogate: 1-Chlorooctane	125 %	6 44.3-14	4						
Surrogate: 1-Chlorooctadecane	128 9	6 42.2-15	6						

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09/15/2020

Soil

Analytical Results For:

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

Received: 09/25/2020 Sampling Date: Reported: 09/30/2020 Sampling Type:

Project Name: PARKWAY WEST SWD Sampling Condition: Cool & Intact Tamara Oldaker

Sample Received By: Project Number: 49

Project Location: DEVON - 32.635774-104.069381

Sample ID: S - 10 - 0" - 6" (H002542-14)

BTEX 8021B	mg/	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/25/2020	ND	2.22	111	2.00	2.04	
Toluene*	<0.050	0.050	09/25/2020	ND	2.25	113	2.00	1.92	
Ethylbenzene*	<0.050	0.050	09/25/2020	ND	2.22	111	2.00	2.12	
Total Xylenes*	<0.150	0.150	09/25/2020	ND	6.39	106	6.00	2.12	
Total BTEX	<0.300	0.300	09/25/2020	ND					
Surrogate: 4-Bromofluorobenzene (PID	104 9	73.3-12	9						
Chloride, SM4500CI-B	mg/	kg	Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	10600	16.0	09/28/2020	ND	416	104	400	0.00	
TPH 8015M	mg/	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/25/2020	ND	195	97.5	200	9.47	
DRO >C10-C28*	12.7	10.0	09/25/2020	ND	185	92.6	200	13.7	
EXT DRO >C28-C36	<10.0	10.0	09/25/2020	ND					
Surrogate: 1-Chlorooctane	125 9	% 44.3-14	4						
Surrogate: 1-Chlorooctadecane	131 9	% 42.2-15	6						

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Analytical Results For:

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

Received: 09/25/2020 Reported: 09/30/2020

PARKWAY WEST SWD

Project Name: Project Number: 49

Project Location: DEVON - 32.635774-104.069381 Sampling Date: 09/15/2020

Sampling Type: Soil

Sampling Condition: Cool & Intact Sample Received By: Tamara Oldaker

Sample ID: S - 11 - 0" - 6" (H002542-15)

BTEX 8021B	mg/	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/25/2020	ND	2.22	111	2.00	2.04	
Toluene*	<0.050	0.050	09/25/2020	ND	2.25	113	2.00	1.92	
Ethylbenzene*	<0.050	0.050	09/25/2020	ND	2.22	111	2.00	2.12	
Total Xylenes*	<0.150	0.150	09/25/2020	ND	6.39	106	6.00	2.12	
Total BTEX	<0.300	0.300	09/25/2020	ND					
Surrogate: 4-Bromofluorobenzene (PID	103 9	% 73.3-12	9						
Chloride, SM4500CI-B	mg/	kg	Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	35600	16.0	09/28/2020	ND	416	104	400	0.00	
TPH 8015M	mg/	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/25/2020	ND	195	97.5	200	9.47	
DRO >C10-C28*	13.5	10.0	09/25/2020	ND	185	92.6	200	13.7	
EXT DRO >C28-C36	<10.0	10.0	09/25/2020	ND					
Surrogate: 1-Chlorooctane	125 9	% 44.3-14	4						
Surrogate: 1-Chlorooctadecane	129 9	% 42.2-15	6						

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Analytical Results For:

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

Received: 09/25/2020 Sampling Date: 09/15/2020

Reported: 09/30/2020 Sampling Type: Soil

Project Name: PARKWAY WEST SWD Sampling Condition: Cool & Intact
Project Number: 49 Sample Received By: Tamara Oldaker

Analyzed By: MC

Project Location: DEVON - 32.635774-104.069381

Sample ID: S - 12 - 0" - 6" (H002542-16)

RTFY 8021R

BIEX 8021B	mg/kg		Anaiyze	Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/25/2020	ND	2.22	111	2.00	2.04	
Toluene*	<0.050	0.050	09/25/2020	ND	2.25	113	2.00	1.92	
Ethylbenzene*	<0.050	0.050	09/25/2020	ND	2.22	111	2.00	2.12	
Total Xylenes*	<0.150	0.150	09/25/2020	ND	6.39	106	6.00	2.12	
Total BTEX	<0.300	0.300	09/25/2020	ND					
Surrogate: 4-Bromofluorobenzene (PID	103	% 73.3-12	9						
Chloride, SM4500CI-B	mg	/kg	Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	17200	16.0	09/28/2020	ND	416	104	400	0.00	
TPH 8015M	mg	/kg	Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/28/2020	ND	200	100	200	1.77	
DRO >C10-C28*	<10.0	10.0	09/28/2020	ND	203	102	200	1.61	
EXT DRO >C28-C36	<10.0	10.0	09/28/2020	ND					
Surrogate: 1-Chlorooctane	107	% 44.3-14	4						
Surrogate: 1-Chlorooctadecane	119	% 42.2-15	6						

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09/15/2020

Soil

Analytical Results For:

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

Received: 09/25/2020 Sampling Date:
Reported: 09/30/2020 Sampling Type:

Project Name: PARKWAY WEST SWD Sampling Condition: Cool & Intact
Project Number: 49 Sample Received By: Tamara Oldaker

Project Location: DEVON - 32.635774-104.069381

Sample ID: S - 13 - 0" - 6" (H002542-17)

BTEX 8021B	mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/25/2020	ND	2.22	111	2.00	2.04	
Toluene*	<0.050	0.050	09/25/2020	ND	2.25	113	2.00	1.92	
Ethylbenzene*	<0.050	0.050	09/25/2020	ND	2.22	111	2.00	2.12	
Total Xylenes*	<0.150	0.150	09/25/2020	ND	6.39	106	6.00	2.12	
Total BTEX	<0.300	0.300	09/25/2020	ND					
Surrogate: 4-Bromofluorobenzene (PID	101	% 73.3-12	9						
Chloride, SM4500CI-B	mg,	/kg	Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	17200	16.0	09/28/2020	ND	416	104	400	0.00	
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/28/2020	ND	200	100	200	1.77	
DRO >C10-C28*	<10.0	10.0	09/28/2020	ND	203	102	200	1.61	
EXT DRO >C28-C36	<10.0	10.0	09/28/2020	ND					
Surrogate: 1-Chlorooctane	115	% 44.3-14	4						
Surrogate: 1-Chlorooctadecane	126	% 42.2-15	6						

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Analytical Results For:

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

Received: 09/25/2020 Reported: 09/30/2020

PARKWAY WEST SWD

Project Number: 49

Project Name:

RTFY 8021R

Project Location: DEVON - 32.635774-104.069381

Sampling Date: 09/15/2020

Sampling Type: Soil

Sampling Condition: Cool & Intact
Sample Received By: Tamara Oldaker

Sample ID: S - 13 - 1' (H002542-18)

BIEX 8021B	тд/кд		Anaiyze	Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/25/2020	ND	2.22	111	2.00	2.04	
Toluene*	0.110	0.050	09/25/2020	ND	2.25	113	2.00	1.92	
Ethylbenzene*	0.173	0.050	09/25/2020	ND	2.22	111	2.00	2.12	
Total Xylenes*	0.558	0.150	09/25/2020	ND	6.39	106	6.00	2.12	
Total BTEX	0.842	0.300	09/25/2020	ND					
Surrogate: 4-Bromofluorobenzene (PID	105	% 73.3-12	9						
Chloride, SM4500CI-B	mg,	/kg	Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	19200	16.0	09/28/2020	ND	416	104	400	0.00	
TPH 8015M	mg	/kg	Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/28/2020	ND	200	100	200	1.77	
DRO >C10-C28*	13.5	10.0	09/28/2020	ND	203	102	200	1.61	
EXT DRO >C28-C36	23.2	10.0	09/28/2020	ND					
Surrogate: 1-Chlorooctane	119	% 44.3-14	14						
Surrogate: 1-Chlorooctadecane	132	% 42.2-15	6						

Applyzod By: MC

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Analytical Results For:

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

Received: 09/25/2020 Reported: 09/30/2020

Project Name: PARKWAY WEST SWD

Project Number: 49

Project Location: DEVON - 32.635774-104.069381 Sampling Date: 09/15/2020

Sampling Type: Soil

Sampling Condition: Cool & Intact Sample Received By: Tamara Oldaker

Sample ID: S - 14 - 0" - 6" (H002542-19)

BTEX 8021B	mg/kg		Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/25/2020	ND	2.22	111	2.00	2.04	
Toluene*	<0.050	0.050	09/25/2020	ND	2.25	113	2.00	1.92	
Ethylbenzene*	0.075	0.050	09/25/2020	ND	2.22	111	2.00	2.12	
Total Xylenes*	0.245	0.150	09/25/2020	ND	6.39	106	6.00	2.12	
Total BTEX	0.319	0.300	09/25/2020	ND					
Surrogate: 4-Bromofluorobenzene (PID	103 9	% 73.3-12	9						
Chloride, SM4500CI-B	mg/	kg	Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	17000	16.0	09/28/2020	ND	416	104	400	0.00	
TPH 8015M	mg/	kg	Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/28/2020	ND	200	100	200	1.77	
DRO >C10-C28*	66.5	10.0	09/28/2020	ND	203	102	200	1.61	
EXT DRO >C28-C36	34.2	10.0	09/28/2020	ND					
Surrogate: 1-Chlorooctane	116 9	% 44.3-14	4						
Surrogate: 1-Chlorooctadecane	130 9	% 42.2-15	6						

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Analytical Results For:

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

Received: 09/25/2020 Sampling Date: 09/15/2020 Reported: 09/30/2020 Sampling Type: Soil

Project Name: PARKWAY WEST SWD Sampling Condition: Cool & Intact Sample Received By: Tamara Oldaker Project Number: 49

Project Location: DEVON - 32.635774-104.069381

Sample ID: S - 15 - 0" - 6" (H002542-20)

BTEX 8021B	mg/kg		Analyze	d By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/25/2020	ND	1.90	95.0	2.00	2.46	
Toluene*	<0.050	0.050	09/25/2020	ND	1.95	97.6	2.00	2.11	
Ethylbenzene*	<0.050	0.050	09/25/2020	ND	1.93	96.3	2.00	2.29	
Total Xylenes*	<0.150	0.150	09/25/2020	ND	6.09	102	6.00	1.73	
Total BTEX	<0.300	0.300	09/25/2020	ND					
Surrogate: 4-Bromofluorobenzene (PID	120 9	73.3-12	9						
Chloride, SM4500CI-B	mg/	kg	Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	11000	16.0	09/28/2020	ND	416	104	400	0.00	
TPH 8015M	mg/	kg	Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/28/2020	ND	200	100	200	1.77	
DRO >C10-C28*	23.5	10.0	09/28/2020	ND	203	102	200	1.61	
EXT DRO >C28-C36	<10.0	10.0	09/28/2020	ND					
Surrogate: 1-Chlorooctane	118 9	% 44.3-14	4						
Surrogate: 1-Chlorooctadecane	131 9	% 42.2-15	6						

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09/15/2020

Analytical Results For:

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

Received: 09/25/2020 Sampling Date:

Reported: 09/30/2020 Sampling Type: Soil

Project Name: PARKWAY WEST SWD Sampling Condition: Cool & Intact Sample Received By: Tamara Oldaker Project Number: 49

Project Location: DEVON - 32.635774-104.069381

Sample ID: S - 15 - 1' (H002542-21)

BTEX 8021B	mg/kg		Analyze	d By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/25/2020	ND	1.90	95.0	2.00	2.46	
Toluene*	<0.050	0.050	09/25/2020	ND	1.95	97.6	2.00	2.11	
Ethylbenzene*	<0.050	0.050	09/25/2020	ND	1.93	96.3	2.00	2.29	
Total Xylenes*	<0.150	0.150	09/25/2020	ND	6.09	102	6.00	1.73	
Total BTEX	<0.300	0.300	09/25/2020	ND					
Surrogate: 4-Bromofluorobenzene (PID	116 %	73.3-12	9						
Chloride, SM4500Cl-B	mg/	kg	Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	2200	16.0	09/28/2020	ND	416	104	400	0.00	
TPH 8015M	mg/	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/28/2020	ND	200	100	200	1.77	
DRO >C10-C28*	<10.0	10.0	09/28/2020	ND	203	102	200	1.61	
EXT DRO >C28-C36	<10.0	10.0	09/28/2020	ND					
Surrogate: 1-Chlorooctane	109 9	% 44.3-14	4						
Surrogate: 1-Chlorooctadecane	119 9	6 42.2-15	6						

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Analytical Results For:

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

Received: 09/25/2020 Reported: 09/30/2020

Project Name: PARKWAY WEST SWD

Project Number: 49

Project Location: DEVON - 32.635774-104.069381 Sampling Date: 09/15/2020

Sampling Type: Soil

Sampling Condition: Cool & Intact Sample Received By: Tamara Oldaker

Sample ID: S - 15 - 2' (H002542-22)

BTEX 8021B	mg/	kg	Analyze	d By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/25/2020	ND	1.90	95.0	2.00	2.46	
Toluene*	<0.050	0.050	09/25/2020	ND	1.95	97.6	2.00	2.11	
Ethylbenzene*	<0.050	0.050	09/25/2020	ND	1.93	96.3	2.00	2.29	
Total Xylenes*	<0.150	0.150	09/25/2020	ND	6.09	102	6.00	1.73	
Total BTEX	<0.300	0.300	09/25/2020	ND					
Surrogate: 4-Bromofluorobenzene (PID	118 9	73.3-12	9						
Chloride, SM4500Cl-B	mg/	kg	Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	784	16.0	09/28/2020	ND	416	104	400	0.00	
TPH 8015M	mg/	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/28/2020	ND	200	100	200	1.77	
DRO >C10-C28*	<10.0	10.0	09/28/2020	ND	203	102	200	1.61	
EXT DRO >C28-C36	<10.0	10.0	09/28/2020	ND					
Surrogate: 1-Chlorooctane	115 %	% 44.3-14	4						
Surrogate: 1-Chlorooctadecane	127 9	% 42.2-15	6						

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Analytical Results For:

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

Received: 09/25/2020 Reported: 09/30/2020

PARKWAY WEST SWD

Project Name: PAI
Project Number: 49

Project Location: DEVON - 32.635774-104.069381

Sampling Date: 09/15/2020

Sampling Type: Soil

Sampling Condition: Cool & Intact
Sample Received By: Tamara Oldaker

Sample ID: S - 16 - 0" - 6" (H002542-23)

RTFY 8021R

BIEX 8021B	mg	/ kg	Anaiyze	a By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/25/2020	ND	1.90	95.0	2.00	2.46	
Toluene*	<0.050	0.050	09/25/2020	ND	1.95	97.6	2.00	2.11	
Ethylbenzene*	<0.050	0.050	09/25/2020	ND	1.93	96.3	2.00	2.29	
Total Xylenes*	<0.150	0.150	09/25/2020	ND	6.09	102	6.00	1.73	
Total BTEX	<0.300	0.300	09/25/2020	ND					
Surrogate: 4-Bromofluorobenzene (PID	120	% 73.3-12	9						
Chloride, SM4500CI-B	mg,	/kg	Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	12900	16.0	09/28/2020	ND	416	104	400	0.00	
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/28/2020	ND	200	100	200	1.77	
DRO >C10-C28*	20.5	10.0	09/28/2020	ND	203	102	200	1.61	
EXT DRO >C28-C36	10.9	10.0	09/28/2020	ND					
Surrogate: 1-Chlorooctane	111 5	% 44.3-14	4						
Surrogate: 1-Chlorooctadecane	122	% 42.2-15	6						

Analyzed By: me

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09/15/2020

Soil

Analytical Results For:

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

Received: 09/25/2020 Sampling Date: Reported: 09/30/2020 Sampling Type:

Project Name: PARKWAY WEST SWD Sampling Condition: Cool & Intact Sample Received By: Tamara Oldaker

Project Number: 49 Project Location: DEVON - 32.635774-104.069381

Sample ID: S - 17 - 0" - 6" (H002542-24)

BTEX 8021B	mg/	'kg	Analyze	d By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/25/2020	ND	1.90	95.0	2.00	2.46	
Toluene*	<0.050	0.050	09/25/2020	ND	1.95	97.6	2.00	2.11	
Ethylbenzene*	<0.050	0.050	09/25/2020	ND	1.93	96.3	2.00	2.29	
Total Xylenes*	<0.150	0.150	09/25/2020	ND	6.09	102	6.00	1.73	
Total BTEX	<0.300	0.300	09/25/2020	ND					
Surrogate: 4-Bromofluorobenzene (PID	117 9	% 73.3-12	9						
Chloride, SM4500CI-B	mg/	/kg	Analyze	d By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	9860	16.0	09/28/2020	ND	416	104	400	0.00	
TPH 8015M	mg/	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/28/2020	ND	200	100	200	1.77	
DRO >C10-C28*	<10.0	10.0	09/28/2020	ND	203	102	200	1.61	
EXT DRO >C28-C36	<10.0	10.0	09/28/2020	ND					
Surrogate: 1-Chlorooctane	121 9	% 44.3-14	4						
Surrogate: 1-Chlorooctadecane	133 9	% 42.2-15	6						

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Analytical Results For:

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

Received: 09/25/2020 Reported: 09/30/2020

09/30/2020 PARKWAY WEST SWD

Project Name: PARKWAY
Project Number: 49

Project Location: DEVON - 32.635774-104.069381

Sampling Date: 09/15/2020

Sampling Type: Soil

Sampling Condition: Cool & Intact
Sample Received By: Tamara Oldaker

Sample ID: S - 18 - 0" - 6" (H002542-25)

RTFY 8021R

BIEX 8021B	mg	/кд	Anaiyze	a By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/25/2020	ND	1.90	95.0	2.00	2.46	
Toluene*	<0.050	0.050	09/25/2020	ND	1.95	97.6	2.00	2.11	
Ethylbenzene*	<0.050	0.050	09/25/2020	ND	1.93	96.3	2.00	2.29	
Total Xylenes*	<0.150	0.150	09/25/2020	ND	6.09	102	6.00	1.73	
Total BTEX	<0.300	0.300	09/25/2020	ND					
Surrogate: 4-Bromofluorobenzene (PID	117	% 73.3-12	9						
Chloride, SM4500CI-B	mg,	/kg	Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	10500	16.0	09/28/2020	ND	416	104	400	0.00	
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/28/2020	ND	200	100	200	1.77	
DRO >C10-C28*	<10.0	10.0	09/28/2020	ND	203	102	200	1.61	
EXT DRO >C28-C36	<10.0	10.0	09/28/2020	ND					
Surrogate: 1-Chlorooctane	121	% 44.3-14	4						
Surrogate: 1-Chlorooctadecane	131	% 42.2-15	6						

Analyzed By: me

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Analytical Results For:

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

Received: 09/25/2020 Reported: 09/30/2020

PARKWAY WEST SWD

Project Name: Project Number: 49

Project Location: DEVON - 32.635774-104.069381 Sampling Date: 09/15/2020

Sampling Type: Soil Sampling Condition:

Sample Received By:

Cool & Intact Tamara Oldaker

Sample ID: S - 18 - 1' (H002542-26)

BTEX 8021B	mg/	kg	Analyze	d By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/25/2020	ND	1.90	95.0	2.00	2.46	
Toluene*	<0.050	0.050	09/25/2020	ND	1.95	97.6	2.00	2.11	
Ethylbenzene*	<0.050	0.050	09/25/2020	ND	1.93	96.3	2.00	2.29	
Total Xylenes*	<0.150	0.150	09/25/2020	ND	6.09	102	6.00	1.73	
Total BTEX	<0.300	0.300	09/25/2020	ND					
Surrogate: 4-Bromofluorobenzene (PID	119 9	73.3-12	9						
Chloride, SM4500Cl-B	mg/	kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1710	16.0	09/28/2020	ND	416	104	400	0.00	
TPH 8015M	mg/	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/28/2020	ND	200	100	200	1.77	
DRO >C10-C28*	<10.0	10.0	09/28/2020	ND	203	102	200	1.61	
EXT DRO >C28-C36	<10.0	10.0	09/28/2020	ND					
Surrogate: 1-Chlorooctane	112 %	% 44.3-14	4						
Surrogate: 1-Chlorooctadecane	122 9	% 42.2-15	6						

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Analytical Results For:

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

Received: 09/25/2020 Reported: 09/30/2020

Project Name: PARKWAY WEST SWD

Project Number: 49

Project Location: DEVON - 32.635774-104.069381

Sampling Date: 09/15/2020

Sampling Type: Soil

Sampling Condition: Cool & Intact
Sample Received By: Tamara Oldaker

Sample ID: S - 18 - 2' (H002542-27)

RTFY 8021R

B1EX 8021B	mg	/ kg	Anaiyze	a By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/25/2020	ND	1.90	95.0	2.00	2.46	
Toluene*	<0.050	0.050	09/25/2020	ND	1.95	97.6	2.00	2.11	
Ethylbenzene*	<0.050	0.050	09/25/2020	ND	1.93	96.3	2.00	2.29	
Total Xylenes*	<0.150	0.150	09/25/2020	ND	6.09	102	6.00	1.73	
Total BTEX	<0.300	0.300	09/25/2020	ND					
Surrogate: 4-Bromofluorobenzene (PID	118	% 73.3-12	9						
Chloride, SM4500CI-B	mg,	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1340	16.0	09/28/2020	ND	416	104	400	0.00	
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/28/2020	ND	200	100	200	1.77	
DRO >C10-C28*	<10.0	10.0	09/28/2020	ND	203	102	200	1.61	
EXT DRO >C28-C36	<10.0	10.0	09/28/2020	ND					
Surrogate: 1-Chlorooctane	108	% 44.3-14	4						
Surrogate: 1-Chlorooctadecane	118	% 42.2-15	6						

Analyzed By: me

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Analytical Results For:

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

Received: 09/25/2020 Reported: 09/30/2020

09/30/2020 PARKWAY WEST SWD

Project Name: PAI
Project Number: 49

Project Location: DEVON - 32.635774-104.069381

Sampling Date: 09/15/2020

Sampling Type: Soil

Sampling Condition: Cool & Intact
Sample Received By: Tamara Oldaker

Sample ID: S - 18 - 3' (H002542-28)

RTFY 8021R

B1EX 8021B	mg	/кд	Anaiyze	a By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/25/2020	ND	1.90	95.0	2.00	2.46	
Toluene*	<0.050	0.050	09/25/2020	ND	1.95	97.6	2.00	2.11	
Ethylbenzene*	<0.050	0.050	09/25/2020	ND	1.93	96.3	2.00	2.29	
Total Xylenes*	<0.150	0.150	09/25/2020	ND	6.09	102	6.00	1.73	
Total BTEX	<0.300	0.300	09/25/2020	ND					
Surrogate: 4-Bromofluorobenzene (PID	116	% 73.3-12	9						
Chloride, SM4500Cl-B	mg,	/kg	Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1840	16.0	09/28/2020	ND	416	104	400	0.00	
TPH 8015M	mg	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/28/2020	ND	200	100	200	1.77	
DRO >C10-C28*	<10.0	10.0	09/28/2020	ND	203	102	200	1.61	
EXT DRO >C28-C36	<10.0	10.0	09/28/2020	ND					
Surrogate: 1-Chlorooctane	116	% 44.3-14	4						
Surrogate: 1-Chlorooctadecane	126	% 42.2-15	6						

Analyzed By: me

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Tamara Oldaker

Sample Received By:

Analytical Results For:

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

Received: 09/25/2020 Sampling Date: 09/15/2020 Reported: Soil

09/30/2020 Sampling Type: Project Name: PARKWAY WEST SWD Sampling Condition: Cool & Intact

Project Number: 49 DEVON - 32.635774-104.069381

Project Location:

Sample ID: S - 19 - 0" - 6" (H002542-29)

RTFY 8021R

B1EX 8021B	mg/	кg	Апануге	a By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/25/2020	ND	1.90	95.0	2.00	2.46	
Toluene*	<0.050	0.050	09/25/2020	ND	1.95	97.6	2.00	2.11	
Ethylbenzene*	<0.050	0.050	09/25/2020	ND	1.93	96.3	2.00	2.29	
Total Xylenes*	<0.150	0.150	09/25/2020	ND	6.09	102	6.00	1.73	
Total BTEX	<0.300	0.300	09/25/2020	ND					
Surrogate: 4-Bromofluorobenzene (PID	115 9	% 73.3-12	9						
Chloride, SM4500Cl-B	mg/	'kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	46000	16.0	09/28/2020	ND	416	104	400	0.00	
TPH 8015M	mg/	'kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/28/2020	ND	200	100	200	1.77	
DRO >C10-C28*	<10.0	10.0	09/28/2020	ND	203	102	200	1.61	
EXT DRO >C28-C36	<10.0	10.0	09/28/2020	ND					
Surrogate: 1-Chlorooctane	114 9	% 44.3-14	4						
Surrogate: 1-Chlorooctadecane	122 9	% 42.2-15	6						

Analyzed By: me

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Analytical Results For:

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

Received: 09/25/2020 Reported: 09/30/2020

PARKWAY WEST SWD

Project Name: Project Number: 49

Project Location: DEVON - 32.635774-104.069381 Sampling Date: 09/15/2020

Sampling Type: Soil

Sampling Condition: Cool & Intact Sample Received By: Tamara Oldaker

Sample ID: S - 20 - 0" - 6" (H002542-30)

BTEX 8021B	mg/	'kg	Analyze	d By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/26/2020	ND	1.90	95.0	2.00	2.46	
Toluene*	<0.050	0.050	09/26/2020	ND	1.95	97.6	2.00	2.11	
Ethylbenzene*	<0.050	0.050	09/26/2020	ND	1.93	96.3	2.00	2.29	
Total Xylenes*	<0.150	0.150	09/26/2020	ND	6.09	102	6.00	1.73	
Total BTEX	<0.300	0.300	09/26/2020	ND					
Surrogate: 4-Bromofluorobenzene (PID	121 9	% 73.3-12	9						
Chloride, SM4500CI-B	mg/	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	2600	16.0	09/28/2020	ND	416	104	400	0.00	
TPH 8015M	mg/	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/28/2020	ND	200	100	200	1.77	
DRO >C10-C28*	<10.0	10.0	09/28/2020	ND	203	102	200	1.61	
EXT DRO >C28-C36	<10.0	10.0	09/28/2020	ND					
Surrogate: 1-Chlorooctane	106 9	% 44.3-14	4						
Surrogate: 1-Chlorooctadecane	114 9	% 42.2-15	6						

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09/15/2020

Analytical Results For:

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

Received: 09/25/2020 Sampling Date:

Reported: 09/30/2020 Sampling Type: Soil

Project Name: PARKWAY WEST SWD Sampling Condition: Cool & Intact
Project Number: 49 Sample Received By: Tamara Oldaker

Analyzed By: me

Project Location: DEVON - 32.635774-104.069381

Sample ID: S - 21 - 0" - 6" (H002542-31)

RTFY 8021R

B1EX 8021B	mg	/кд	Anaiyze	a By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/26/2020	ND	1.90	95.0	2.00	2.46	
Toluene*	<0.050	0.050	09/26/2020	ND	1.95	97.6	2.00	2.11	
Ethylbenzene*	<0.050	0.050	09/26/2020	ND	1.93	96.3	2.00	2.29	
Total Xylenes*	<0.150	0.150	09/26/2020	ND	6.09	102	6.00	1.73	
Total BTEX	<0.300	0.300	09/26/2020	ND					
Surrogate: 4-Bromofluorobenzene (PID	118	% 73.3-12	9						
Chloride, SM4500Cl-B	mg	/kg	Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	880	16.0	09/28/2020	ND	416	104	400	0.00	
TPH 8015M	mg	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/28/2020	ND	200	100	200	1.77	
DRO >C10-C28*	<10.0	10.0	09/28/2020	ND	203	102	200	1.61	
EXT DRO >C28-C36	<10.0	10.0	09/28/2020	ND					
Surrogate: 1-Chlorooctane	104	% 44.3-14	4						
Surrogate: 1-Chlorooctadecane	111	% 42.2-15	6						

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Analytical Results For:

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

Received: 09/25/2020 Reported: 09/30/2020

PARKWAY WEST SWD

Project Name: Project Number: 49

Project Location: DEVON - 32.635774-104.069381 Sampling Date: 09/15/2020

Sampling Type: Soil

Sampling Condition: Cool & Intact Sample Received By: Tamara Oldaker

Sample ID: BG - 1 (H002542-32)

BTEX 8021B	mg/	kg	Analyze	d By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/26/2020	ND	1.90	95.0	2.00	2.46	
Toluene*	<0.050	0.050	09/26/2020	ND	1.95	97.6	2.00	2.11	
Ethylbenzene*	<0.050	0.050	09/26/2020	ND	1.93	96.3	2.00	2.29	
Total Xylenes*	<0.150	0.150	09/26/2020	ND	6.09	102	6.00	1.73	
Total BTEX	<0.300	0.300	09/26/2020	ND					
Surrogate: 4-Bromofluorobenzene (PID	117 %	6 73.3-12	9						
Chloride, SM4500Cl-B	mg/	kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	720	16.0	09/28/2020	ND	416	104	400	0.00	
TPH 8015M	mg/	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/28/2020	ND	200	100	200	1.77	
DRO >C10-C28*	<10.0	10.0	09/28/2020	ND	203	102	200	1.61	
EXT DRO >C28-C36	<10.0	10.0	09/28/2020	ND					
Surrogate: 1-Chlorooctane	119 %	6 44.3-14	4						
Surrogate: 1-Chlorooctadecane	127 9	6 42.2-15	6						

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Analytical Results For:

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

Received: 09/25/2020 Sampling Date: 09/15/2020

Reported: 09/30/2020 Sampling Type: Soil

Project Name: PARKWAY WEST SWD Sampling Condition: Cool & Intact Sample Received By: Project Number: 49 Tamara Oldaker

Project Location: DEVON - 32.635774-104.069381

Sample ID: BG - 2 (H002542-33)

BTEX 8021B	mg/	kg	Analyze	d By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/26/2020	ND	1.90	95.0	2.00	2.46	
Toluene*	0.063	0.050	09/26/2020	ND	1.95	97.6	2.00	2.11	
Ethylbenzene*	0.073	0.050	09/26/2020	ND	1.93	96.3	2.00	2.29	
Total Xylenes*	0.178	0.150	09/26/2020	ND	6.09	102	6.00	1.73	
Total BTEX	0.314	0.300	09/26/2020	ND					
Surrogate: 4-Bromofluorobenzene (PID	122 9	% 73.3-12	9						
Chloride, SM4500CI-B	mg/	kg	Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	144	16.0	09/28/2020	ND	416	104	400	0.00	
TPH 8015M	mg/	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/28/2020	ND	200	100	200	1.77	
DRO >C10-C28*	<10.0	10.0	09/28/2020	ND	203	102	200	1.61	
EXT DRO >C28-C36	<10.0	10.0	09/28/2020	ND					
Surrogate: 1-Chlorooctane	115 %	% 44.3-14	4						
Surrogate: 1-Chlorooctadecane	125 9	% 42.2-15	6						

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Analytical Results For:

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

Received: 09/25/2020 Reported: 09/30/2020

Project Name: PARKWAY WEST SWD

Project Number: 49

Project Location: DEVON - 32.635774-104.069381

ma/ka

Sampling Date: 09/15/2020

Sampling Type: Soil

Sampling Condition: Cool & Intact Sample Received By: Tamara Oldaker

Sample ID: BG - 3 (H002542-34)

RTFY 8021R

BIEX 8021B	mg	/ kg	Anaiyze	a By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/26/2020	ND	1.90	95.0	2.00	2.46	
Toluene*	<0.050	0.050	09/26/2020	ND	1.95	97.6	2.00	2.11	
Ethylbenzene*	<0.050	0.050	09/26/2020	ND	1.93	96.3	2.00	2.29	
Total Xylenes*	<0.150	0.150	09/26/2020	ND	6.09	102	6.00	1.73	
Total BTEX	<0.300	0.300	09/26/2020	ND					
Surrogate: 4-Bromofluorobenzene (PID	119	% 73.3-12	9						
Chloride, SM4500CI-B	mg,	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	112	16.0	09/28/2020	ND	416	104	400	0.00	
TPH 8015M	mg	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/28/2020	ND	200	100	200	1.77	
DRO >C10-C28*	<10.0	10.0	09/28/2020	ND	203	102	200	1.61	
EXT DRO >C28-C36	<10.0	10.0	09/28/2020	ND					
Surrogate: 1-Chlorooctane	120	% 44.3-14	4						
Surrogate: 1-Chlorooctadecane	130	% 42.2-15	6						

Analyzed By: me

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Analytical Results For:

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

Received: 09/25/2020 Sampling Date: 09/15/2020

Reported: 09/30/2020 Sampling Type: Soil

Project Name: PARKWAY WEST SWD Sampling Condition: Cool & Intact
Project Number: 49 Sample Received By: Tamara Oldaker

Analyzed By: ms

Project Location: DEVON - 32.635774-104.069381

mg/kg

Sample ID: S - 5 - 1' (H002542-35)

BTEX 8021B

	9/	9	7	7:					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/26/2020	ND	1.90	95.0	2.00	2.46	
Toluene*	<0.050	0.050	09/26/2020	ND	1.95	97.6	2.00	2.11	
Ethylbenzene*	<0.050	0.050	09/26/2020	ND	1.93	96.3	2.00	2.29	
Total Xylenes*	<0.150	0.150	09/26/2020	ND	6.09	102	6.00	1.73	
Total BTEX	<0.300	0.300	09/26/2020	ND					
Surrogate: 4-Bromofluorobenzene (PID	117 9	% 73.3-12	9						
Chloride, SM4500CI-B	mg,	/kg	Analyze	ed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	256	16.0	09/28/2020	ND	416	104	400	0.00	
TPH 8015M	mg,	/kg	Analyze	ed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/28/2020	ND	200	100	200	1.77	
DRO >C10-C28*	<10.0	10.0	09/28/2020	ND	203	102	200	1.61	
EXT DRO >C28-C36	<10.0	10.0	09/28/2020	ND					
Surrogate: 1-Chlorooctane	113 9	% 44.3-14	4						
Surrogate: 1-Chlorooctadecane	123	% 42.2-15	6						

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Celey D. Keene



Notes and Definitions

S-04 The surrogate recovery for this sample is outside of established control limits due to a sample matrix effect.

ND Analyte NOT DETECTED at or above the reporting limit

RPD Relative Percent Difference

** Samples not received at proper temperature of 6°C or below.

*** Insufficient time to reach temperature.

- Chloride by SM4500Cl-B does not require samples be received at or below 6°C

Samples reported on an as received basis (wet) unless otherwise noted on report

Cardinal Laboratories *=Accredited Analyte

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Celeg D. Freene

8:39:18

Received by OCD: 1/27/2023

Page 38 of 41

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

101 East Marland, Hobbs, NM 88240 (575) 393-2326 FAX (575) 393-2476

Address: /6/ N. Turper City: Hobbs State: NM Zip: 88246 Attn: Tom Bynum Phone #: 575-631-6977 Fax #: Project Name: Parkway West SWD State: Zip: Project Location: 32.635774, -/64.069381 Phone #: Sampler Name: Robert Carper Fax #:	Company Name:	er: Chair Towns									BI	L	L TO						A١	IAL	YSIS	RE	QUE	ST	_		
Address: 1601 N. Tumber State: NM Zip: 88946 Attn: Tom Bynum Address: Project #: 49 Project Owner: Devon City: Project Name: Parkway West SWD State: Zip: Project Name: Robert Greet Fax #: FOR LAB USE ONLY HODDSTP Lab I.D. Sample I.D. Sample	Project Manager	Chris Jones							P.O). #:	20	28	1905	19													
State: NM Zip: 88346 Attn.Tom Bynum Phone #: 575-631-6977 Fax #: Project Name: Park way West SWD Project Location: 33.635774, -104.669381 Project Location: 83.635774, -104.669381 Project Location: 83.635774, -104.669381 Phone #: Fax #: For Lab Use Only Lab I.D. Sample I.D. Sa	Address: //	N. Turner									-	-															
Project #: 99 Project Owner: Devon City: Project Name: Park way West SWD Project Location: 32.635 774, -/o 4.669351 Project Location: 83.635 774, -/o 4.669351 Project Name: Park way West SWD Project Name: Park way W	City: Hobbs	State: NM	Zip	: <	3 8	25	16		Attr	n:T	3m		Bynu	m													
Project #: 49 Project Owner: Devon City: Project Name: Parkway West SWD State: Zip: Project Location: 33.635 774, -/o4.6b9381 Phone #: Sampler Name: Robert Carper Fax #: FOR LAB USE ONLY Lab I.D. Sample I.D. Way Wash Supposed Barbon State: Zip: Project Name: Parkway West SWD State: Zip: Project Location: 33.635 774, -/o4.6b9381 Phone #: Fax #: FOR LAB USE ONLY Lab I.D. Sample I.D. Way Wash Supposed Barbon State: Zip: Project Name: Parkway West SWD State: Zip: Phone #: Fax #: FOR LAB USE ONLY A DATE TIME 1 5-1 - 0"-6" Supposed Barbon State: Zip: Phone #: DATE TIME 1 5-1 - 0"-6" Supposed Barbon State: Zip: Phone #: A DATE TIME 1 5-1 - 0"-6" Supposed Barbon State: Zip: Phone #: A DATE TIME 1 5-1 - 0"-6" Supposed Barbon State: Zip: A DATE TIME 2 5-3 - 0"-6" Supposed Barbon State: Zip: A DATE TIME 4 5-3 - 1" Supposed Barbon State: Zip: A DATE	Phone #: 57	5-631-6977 Fax#:						- 1																			
Project Name: Park way West SWD State: Zip: Project Location: 33.635 774, -/o 4.669381 Phone #: For LAB USE ONLY Lab I.D. Sample I.D. MATRIX PRESERV. SAMPLING MATRIX PRESERV. S	Project #: 40	7 Project Owner		De	VO	2			City	y:																	
Fax #: FOR LAB USE ONLY Lab I.D. Sample I.D. Sam	Project Name: (Parkway West SWD							Sta	te:		Z	ip:														
Fax #: FOR LAB USE ONLY Lab I.D. Sample I.D. Sam	Project Location	Location: 32.635 774, -104.069381							Pho	one	#:				_												
Lab I.D. Sample I.D. ### Date Time Contained Con	Sampler Name:	er Name: Robert Carper								_					1		1	4									
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Relinquished By:	Date:	Received By:	Make	Verbal Result: ☐ All Results are email	Yes ☐ No ed. Please pro	Add'l Phone #: vide Email address:
Relinquished By:	Date: Time:	Received By:	may)	REMARKS:		
Delivered By: (Circle One) Sampler - UPS - Bus - Other:	Observed Temp. °C Corrected Temp. °C	Sample Condition Cool Intact Yes Yes No No	CHECKED BY: (Initials)	Turnaround Time: Thermometer ID #113 Correction Factor None	Standard Rush	Bacteria (only) Sample Condition Cool Intact Observed Temp. °C Yes Yes No No Corrected Temp. °C

Company Name:

Sampler - UPS - Bus - Other:

Page 39 of

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Yes Yes

Corrected Temp. °C

101 East Marland, Hobbs, NM 88240 (575) 393-2326 FAX (575) 393-2476

Company Name:	Pima Environentel										BI	LL TO					Al	NALY	'SIS	REQ	UEST		
rojout manager.	Chris Jones							P.	0.	#:	20	8965	19										
Address: /60	I N. Turner											Devon		14									
City: /4 bbs	State: N/	V Zij	o: (88	74	6						Byn		12									
Phone #: 575	-631-6977 Fax#:									ess:		7		10									
Project #:	49 Project Own	er:	a.	vov	1			Ci	ty:					1									
Project Name: 🗸	Parkway West Su	O						St	ate	:		Zip:		2									
Project Location:	32.635 774, -104.6	369	3	81				Ph	non	e #:				1									
Sampler Name:	Robert Cope			,					x #					BUH									
FOR LAB USE ONLY	- /	1.	Г		N	MATRI	χ		PF	RESER	RV.	SAMP	LING	1		7					- 1		
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Thermometer ID #113

Yes Yes

Corrected Temp. °C

Page 40 of 41

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

101 East Marland, Hobbs, NM 88240 (575) 393-2326 FAX (575) 393-2476

Designating Name	Pima Environme	itel						Bi	LL T	9				AN	ALYSI	S REC	UEST		
roject manage	Chris Jones						P.0	.#: 2	8 96	519								1 1	
Address: /60	ol N. Turner							npany:			7								
City: Hobb	S State: NA	(Zip	o:	88	242	>				num	1								
Phone #: 57	5-631-6977 Fax#:							ress:	39	num	1							1 1	
Project # 4	1G Project Own	er.	0	0.00			City				1								
Project Name:	Parking Williams	·	1		N		1		_										
Project Location	Park way West 5 1: 32635 774, -104	SWE	, ,		,		Stat		Zip:										
Sampler Name:	B1 55 779, -102	1.0	6	158	1			ne #:			1			-	+		-	1	
FOR LAB USE ONLY	Robert Cape	_	_			_	Fax				1								
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elinquished By:	Date: 16-1	Rec	eive	d By:			-	100	A Section	Verbal Res		☐ Yes	□ No	Add'l	Phone #			_	

Relinquished By: Relinquished By:	Date: 48/20 Time: 950	leas of whether such claim is base ed By: Alward de ad By:	11111	Verbal Result: Yes All Results are emailed		Add vide E	I Phone #: mail address:
	Date: Receive	ed By:		REMARKS:			
Delivered By: (Circle One) Sampler - UPS - Bus - Other:	Observed Temp. °C -2.7 Corrected Temp. °C	Sample Condition Cool Intact Yes Yes No No	CHECKED BY: (Initials)	Turnaround Time: Thermometer ID #113 Correction Factor None	Standard Rush		Bacteria (only) Sample Condition Cool Intact Observed Temp. °C Yes Yes No No Corrected Temp. °C

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

101 East Marland, Hobbs, NM 88240 (ETE) 202 2220 FAV (ETE) 202 2470

Project Manager: Chris Sones Address: 160 N. Turner City: Hebbs State: NMZip: 86240 Attn: 10m Bynun Phone #: 575-631-6977 Fax #: Project War Project Owner: Devon City: Project Name: Parkway West SWD State: Zip: Project Location: 32.635774, -104-069361 Sampler Name: Robert Carper FOR LAB USE ONLY Lab I.D. Sample I.D. P.O. #: 20890519 Company: Devon Attn: 10m Bynun Address: City: Project Location: 32.635774, -104-069361 MATRIX PRESERV. SAMPLING MATRIX PRESERV. SAMPLING	Company Name	(5/5) 393-2326 FAX (5/5) 39		BILL TO	ANALYSIS DESUESE
Address: 160 N. Turner City: Hebbs State: NMZip: 86340 Attn: 10m By n un Phone #: 575-631-6977 Fax #: Project 8 Project Owner: Devon City: Project Name: Parkway West SWD State: Zip: Project Location: 33.635774, -134-069351 Phone #: Sampler Name: Pobert Greet For Use Use CMLY Lab I.D. Sample I.D. Wally MATRIX PRESERV. SAMPLING HO02542 ## Doors 4 Project Owner: Devon City: Project Name: Parkway West SWD State: Zip: Phone #: Fax #: FOR USE USE CMLY ## DOORS 4 Project Owner: Devon City: Phone #: Fax #: FOR USE USE CMLY ## DOORS 4 Project Owner: Devon City: Bank			x+4		ANALYSIS REQUEST
City: Hebbs State: NMZip: 88340 Attn: 10m By nun Phone #: 575-631-6977 Fax #: Address: Project #: 49 Project Owner: Devon City: Project Name: Parkwuy West SWD State: Zip: Project Location: 32.635774, -104-069381 Phone #: Sampler Name: Pabent Carper Fax #: FOR LAB USE ONLY Lab I.D. Sample I.D. WATRIX PRESERV. SAMPLING	Address: 1/a/	1 Al Tussans			1
Phone #: 57.5-631-6977 Fax #: Project #: 49 Project Owner: Devon City: Project Name: Parkway West SWD State: Zip: Project Location: 32.635774, -104-069381 Phone #: Sampler Name: Robert Carper Fax #: FOR LAB USE ONLY Lab I.D. Sample I.D.			1117 000 000	company: Devon	1
Project #: 49 Project Owner: Devon City: Project Name: Parkway West SWD State: Zip: Project Location: 32,635 774; -104-069381 Phone #: Sampler Name: Robert Carper Fax #: FOR LAB USE ONLY Lab I.D. Sample I.D. Sample I.D.			1/V(Zip: 00040		1
Project Name: Parkway West SWD State: Zip: Project Location: 32.635 774, -104-069381 Phone #: Sampler Name: Robert Carper Fax #: FOR LAB USE ONLY Lab I.D. Sample I.D. Sample I.D.			0		
Project Location: 30. 635 774, -) 64-069381 Phone #: Sampler Name: Robert Carper Fax #: FOR LAB USE ONLY Lab I.D. Sample I.D. Way Label			vner: Devon	City:	
FOR LAB USE ONLY Lab I.D. Sample I.D. Sampler Name: Kobert Carper Fax #: MATRIX PRESERV. SAMPLING MATRIX PRESERV. SAMPLING WE WAY WATER A SAMPLING WAT	Project Name:	Parkway West	SWD	State: Zip:	
FOR LAB USE ONLY Lab I.D. Sample I.D. Sampler Name: Kobert Carper Fax #: MATRIX PRESERV. SAMPLING MATRIX PRESERV. SAMPLING WE WAY WATER A SAMPLING WAT	Project Location	n: 32,635774, -106	1-069381	Phone #:	
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Lab I.D. Sample I.D. ### CONTAINERS ## CONTAINERS ## CONTAINERS ### CONTAINERS #### CONTAINERS ##### CONTAINERS ##### CONTAINERS ##### CONTAINERS ##### CONTAINERS ###################################	FOR LAB USE ONLY	,	MATRIX	PRESERV. SAMPLING	
37 5-21-0"-6"			# CONTAINERS # CONTAINERS GROUNDWATER WASTEWATER SOIL	SLUDGE OTHER: ACID/BASE: ICE / COOL OTHER:	BITEX
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PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising whether based in contract or tort, shall be limited to the amount paid by the client for the	PLEASE NOTE: Liability and	Damages. Catdinal's liability and client's explicate remarks	for any claim arising whether haved in sect		
	filiates or successors arising Relinquished By	g out of or related to the performance of services hereunder	by Cardinal, regardless of whether such cla	is, loss of use, or loss of profits incurred by client, its subsidiaria im is based upon any of the above stated reasons or otherwise.	unaj Barantaria

entityses. As claims including those for negligence an service. In no event shall Cardinal be liable for inciden	bility and client's exclusive remedy for any claim arisin d any other cause whatsoever shall be deemed waive stal or consequental damages, including without limitat	d unless made in writing and received in business interruptions loss of a	red by Cardinal within 30 days at	ter completion of the applicable					
Relinquished By:	Date: Receiv Date: Receiv Time: Receiv	ed By: War Ara A	M11	Verbal Result: Yes All Results are emailed.		Add'l Phone : de Email addr		-1	
Delivered By: (Circle One) Sampler - UPS - Bus - Other:	Observed Temp. °C -2.7 Corrected Temp. °C	Sample Condition Cool Intact Yes Yes No No	CHECKED BY: (Initials)		Standard Rush	Cool I	Yes	ple Condition served Temp.	.°C

[†] Cardinal cannot accept verbal changes. Please email changes to celey.keene@cardinallabsnm.com



December 01, 2020

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

RE: PARKWAY WEST SWD #1

Enclosed are the results of analyses for samples received by the laboratory on 11/24/20 14:10.

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

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

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

Cardinal Laboratories is accredited through the State of New Mexico Environment Department for:

Method SM 9223-B Total Coliform and E. coli (Colilert MMO-MUG)
Method EPA 524.2 Regulated VOCs and Total Trihalomethanes (TTHM)

Method EPA 552.2 Total Haloacetic Acids (HAA-5)

Celey D. Keene

Accreditation applies to public drinking water matrices for State of Colorado and New Mexico.

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

Sincerely,

Celey D. Keene

Lab Director/Quality Manager



Analytical Results For:

PIMA ENVIROMENTAL 1601 N TURNER STE. 500 HOBBS NM, 88240 Project: PARKWAY WEST SWD #1

Project Number: 49

Project Manager: CHRIS JONES

Fax To:

Reported: 01-Dec-20 16:46

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
B - 1 - 1'	H003117-01	Soil	23-Nov-20 08:50	24-Nov-20 14:10
B - 1 - 2'	H003117-02	Soil	23-Nov-20 08:55	24-Nov-20 14:10
B - 1 - BOTTOM	H003117-03	Soil	23-Nov-20 09:00	24-Nov-20 14:10
B - 2 - 1'	H003117-04	Soil	23-Nov-20 09:05	24-Nov-20 14:10
B - 2 - 2'	H003117-05	Soil	23-Nov-20 09:10	24-Nov-20 14:10
B - 2 - BOTTOM	H003117-06	Soil	23-Nov-20 09:15	24-Nov-20 14:10
B - 3 - 1'	H003117-07	Soil	23-Nov-20 09:20	24-Nov-20 14:10
B - 3 - 2'	H003117-08	Soil	23-Nov-20 09:25	24-Nov-20 14:10
B - 3 - BOTTOM	H003117-09	Soil	23-Nov-20 09:30	24-Nov-20 14:10
B - 4 - 1'	H003117-10	Soil	23-Nov-20 09:35	24-Nov-20 14:10
B - 4 - 2'	H003117-11	Soil	23-Nov-20 08:00	24-Nov-20 14:10
B - 4 - BOTTOM	H003117-12	Soil	23-Nov-20 08:05	24-Nov-20 14:10
B - 5 - 1'	H003117-13	Soil	23-Nov-20 08:10	24-Nov-20 14:10
B - 5 - 2'	H003117-14	Soil	23-Nov-20 08:15	24-Nov-20 14:10
B - 5 - BOTTOM	H003117-15	Soil	23-Nov-20 08:20	24-Nov-20 14:10
B - 6 - 1'	H003117-16	Soil	23-Nov-20 08:25	24-Nov-20 14:10
B - 6 - 2'	H003117-17	Soil	23-Nov-20 08:30	24-Nov-20 14:10
B - 6 - BOTTOM	H003117-18	Soil	23-Nov-20 08:35	24-Nov-20 14:10
B - 7 - 1'	H003117-19	Soil	23-Nov-20 08:40	24-Nov-20 14:10
B - 7 - 2'	H003117-20	Soil	23-Nov-20 08:45	24-Nov-20 14:10
B - 7 - BOTTOM	H003117-21	Soil	23-Nov-20 09:40	24-Nov-20 14:10
B - 8 - 1'	H003117-22	Soil	23-Nov-20 09:45	24-Nov-20 14:10
B - 8 - 2'	H003117-23	Soil	23-Nov-20 09:50	24-Nov-20 14:10
B - 8 - BOTTOM	H003117-24	Soil	23-Nov-20 10:00	24-Nov-20 14:10
B - 9 - 1'	H003117-25	Soil	23-Nov-20 10:05	24-Nov-20 14:10
B - 9 - 2'	H003117-26	Soil	23-Nov-20 10:10	24-Nov-20 14:10
B - 9 - BOTTOM	H003117-27	Soil	23-Nov-20 10:15	24-Nov-20 14:10

Cardinal Laboratories *=Accredited Analyte

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Celey D. Keine

Celey D. Keene, Lab Director/Quality Manager



Analytical Results For:

PIMA ENVIROMENTAL 1601 N TURNER STE. 500 HOBBS NM, 88240		Project: Project Number: Project Manager: Fax To:	CHRIS JONES	Reported: 01-Dec-20 16:46
B - 10 - 1'	H003117-28	Soil	23-Nov-20 10:20	24-Nov-20 14:10
B - 10 - 2'	H003117-29	Soil	23-Nov-20 10:25	24-Nov-20 14:10
B - 10 - BOTTOM	H003117-30	Soil	23-Nov-20 10:30	24-Nov-20 14:10
B - 11 - 1'	H003117-31	Soil	23-Nov-20 10:35	24-Nov-20 14:10
B - 11 - 2'	H003117-32	Soil	23-Nov-20 10:40	24-Nov-20 14:10
B - 11 - BOTTOM	H003117-33	Soil	23-Nov-20 10:45	24-Nov-20 14:10
B - 12 - 1'	H003117-34	Soil	23-Nov-20 10:50	24-Nov-20 14:10
B - 12 - 2'	H003117-35	Soil	23-Nov-20 10:55	24-Nov-20 14:10
B - 12 - BOTTOM	H003117-36	Soil	23-Nov-20 11:00	24-Nov-20 14:10
B - 13 - 1'	H003117-37	Soil	23-Nov-20 11:05	24-Nov-20 14:10
B - 13 - 2'	H003117-38	Soil	23-Nov-20 11:10	24-Nov-20 14:10
B - 13 - BOTTOM	H003117-39	Soil	23-Nov-20 11:15	24-Nov-20 14:10

12/01/20 - Client revised the sample IDs for all the samples from S to B. This is the revised report and will replace the one sent earlier 12/01/20.

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Analytical Results For:

PIMA ENVIROMENTAL 1601 N TURNER STE. 500 HOBBS NM, 88240 Project: PARKWAY WEST SWD #1

Project Number: 49

Project Manager: CHRIS JONES

Fax To:

Reported: 01-Dec-20 16:46

B - 1 - 1' H003117-01 (Soil)

	Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes				
	Cardinal Laboratories														
<u>I</u> 1	Inorganic Compounds														
C	Chloride	960		16.0	mg/kg	4	0112512	GM	30-Nov-20	4500-Cl-B					

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Analytical Results For:

PIMA ENVIROMENTAL 1601 N TURNER STE. 500 HOBBS NM, 88240 Project: PARKWAY WEST SWD #1

Project Number: 49

Project Manager: CHRIS JONES

Fax To:

Reported: 01-Dec-20 16:46

B-1-2'

H003117-02 (Soil)

	Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes	
	Cardinal Laboratories											
1	Inorganic Compounds											
(Chloride	48.0		16.0	mg/kg	4	0112512	GM	30-Nov-20	4500-Cl-B		

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Analytical Results For:

PIMA ENVIROMENTAL 1601 N TURNER STE. 500 HOBBS NM, 88240 Project: PARKWAY WEST SWD #1

Reported: 01-Dec-20 16:46

Project Number: 49

Project Manager: CHRIS JONES

Fax To:

B-1-BOTTOM

H003117-03 (Soil)

	Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes	
	Cardinal Laboratories											
Inorganic Compounds												
	Chloride	64.0		16.0	mg/kg	4	0112512	GM	30-Nov-20	4500-Cl-B		

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Analytical Results For:

PIMA ENVIROMENTAL 1601 N TURNER STE. 500 HOBBS NM, 88240

Project: PARKWAY WEST SWD #1

Project Number: 49

Project Manager: CHRIS JONES

Fax To:

Reported: 01-Dec-20 16:46

B-2-1'

H003117-04 (Soil)

	Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
Cardinal Laboratories											
	Inorganic Compounds										

16.0 0112512 GM 30-Nov-20 4500-Cl-B Chloride 1860 mg/kg

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Reported:

01-Dec-20 16:46



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Analytical Results For:

PIMA ENVIROMENTAL 1601 N TURNER STE. 500 HOBBS NM, 88240

Project: PARKWAY WEST SWD #1

Project Number: 49

Project Manager: CHRIS JONES

Fax To:

B-2-2'

H003117-05 (Soil)

	Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
Cardinal Laboratories											
Inorganic Compounds											
(Chloride	352		16.0	mg/kg	4	0112512	GM	30-Nov-20	4500-Cl-B	

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Analytical Results For:

PIMA ENVIROMENTAL 1601 N TURNER STE. 500 HOBBS NM, 88240 Project: PARKWAY WEST SWD #1

Project Number: 49

Project Manager: CHRIS JONES

Fax To:

Reported: 01-Dec-20 16:46

B-2-BOTTOM

H003117-06 (Soil)

Aı	nalyte	Result	MDL	Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes	
	Cardinal Laboratories											
Ino	Inorganic Compounds											
Chl	oride	160		16.0	mg/kg	4	0113011	GM	30-Nov-20	4500-Cl-B		

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Analytical Results For:

PIMA ENVIROMENTAL 1601 N TURNER STE. 500 HOBBS NM, 88240

Project: PARKWAY WEST SWD #1

Project Number: 49

Project Manager: CHRIS JONES

Fax To:

Reported: 01-Dec-20 16:46

B-3-1'

H003117-07 (Soil)

	Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
Cardinal Laboratories											
Inorganic Compounds											
	Chloride	1330		16.0	mg/kg	4	0113011	GM	30-Nov-20	4500-Cl-B	

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Analytical Results For:

PIMA ENVIROMENTAL 1601 N TURNER STE. 500 HOBBS NM, 88240

Project: PARKWAY WEST SWD #1

Project Number: 49

Project Manager: CHRIS JONES

Fax To:

Reported: 01-Dec-20 16:46

B-3-2'

H003117-08 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes		
Cardinal Laboratories												
Inorganic Compounds												
Chlorido	1010		16.0	ma/ka	4	0113011	GM	30 Nov 20	4500 CLB			

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Analytical Results For:

PIMA ENVIROMENTAL 1601 N TURNER STE. 500 HOBBS NM, 88240

Project: PARKWAY WEST SWD #1

Reported: 01-Dec-20 16:46

Project Number: 49

Project Manager: CHRIS JONES

Fax To:

B-3-BOTTOM

H003117-09 (Soil)

Reporting Limit Result MDL Units Dilution Analyzed Method Notes Analyte Batch Analyst

Cardinal Laboratories

Inorganic Compounds

16.0 0113011 GM 30-Nov-20 4500-Cl-B Chloride 624 mg/kg

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Analytical Results For:

PIMA ENVIROMENTAL 1601 N TURNER STE. 500 HOBBS NM, 88240

Project: PARKWAY WEST SWD #1

Project Number: 49

Project Manager: CHRIS JONES

Fax To:

Reported: 01-Dec-20 16:46

B-4-1'

H003117-10 (Soil)

	Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes	
	Cardinal Laboratories											
Inorganic Compounds												
	Chloride	240		16.0	mg/kg	4	0113011	GM	30-Nov-20	4500-Cl-B		

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Reported:

01-Dec-20 16:46



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Analytical Results For:

PIMA ENVIROMENTAL 1601 N TURNER STE. 500 HOBBS NM, 88240 Project: PARKWAY WEST SWD #1

Project Number: 49

Project Manager: CHRIS JONES

Fax To:

B - 4 - 2'

H003117-11 (Soil)

Analyte Result MDL Reporting Limit	Units Dilution	Batch Analyst	Analyzed M	Method Notes
------------------------------------	----------------	---------------	------------	--------------

Cardinal Laboratories

 Inorganic Compounds

 Chloride
 160
 16.0
 mg/kg
 4
 0113011
 GM
 30-Nov-20
 4500-Cl-B

Cardinal Laboratories *=Accredited Analyte

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Analytical Results For:

PIMA ENVIROMENTAL 1601 N TURNER STE. 500 HOBBS NM, 88240

Project: PARKWAY WEST SWD #1

Project Number: 49

Project Manager: CHRIS JONES

Fax To:

Reported: 01-Dec-20 16:46

B-4-BOTTOM

H003117-12 (Soil)

Reporting Limit Result MDL Units Dilution Analyzed Method Notes Analyte Batch Analyst **Cardinal Laboratories**

Inorganic Compounds

16.0 0113011 GM 30-Nov-20 4500-Cl-B Chloride 320 mg/kg

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Analytical Results For:

PIMA ENVIROMENTAL 1601 N TURNER STE. 500 HOBBS NM, 88240

Project: PARKWAY WEST SWD #1

Project Number: 49

Project Manager: CHRIS JONES

Fax To:

Reported: 01-Dec-20 16:46

B-5-1'

H003117-13 (Soil)

	Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes	
	Cardinal Laboratories											
Inorganic Compounds												
	Chloride	160		16.0	mg/kg	4	0113011	GM	30-Nov-20	4500-Cl-B		

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Analytical Results For:

PIMA ENVIROMENTAL 1601 N TURNER STE. 500 HOBBS NM, 88240

Project: PARKWAY WEST SWD #1

Project Number: 49

Project Manager: CHRIS JONES

Fax To:

Reported: 01-Dec-20 16:46

B-5-2'

H003117-14 (Soil)

A	Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes	
	Cardinal Laboratories											
In	Inorganic Compounds											
Ch	loride	80.0		16.0	mg/kg	4	0113011	GM	30-Nov-20	4500-Cl-B		

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Analytical Results For:

PIMA ENVIROMENTAL 1601 N TURNER STE. 500 HOBBS NM, 88240

Project: PARKWAY WEST SWD #1

Reported: 01-Dec-20 16:46

Project Number: 49

Project Manager: CHRIS JONES

Fax To:

B-5-BOTTOM

H003117-15 (Soil)

	Analyte	Result	MDL	Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes	
	Cardinal Laboratories											
]	Inorganic Compounds								30-Nov-20 4500-Cl-B			
(Chloride	96.0		16.0	mg/kg	4	0113011	GM	30-Nov-20	4500-Cl-B		

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3920

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Analytical Results For:

PIMA ENVIROMENTAL 1601 N TURNER STE. 500 HOBBS NM, 88240

Chloride

Project: PARKWAY WEST SWD #1

Project Number: 49

0113011

GM

30-Nov-20

Project Manager: CHRIS JONES

Fax To:

Reported: 01-Dec-20 16:46

4500-Cl-B

B-6-1'

H003117-16 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes	
Cardinal Laboratories											
norganic Compounds											

mg/kg

16.0

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Analytical Results For:

PIMA ENVIROMENTAL 1601 N TURNER STE. 500 HOBBS NM, 88240

Project: PARKWAY WEST SWD #1

Project Number: 49

Project Manager: CHRIS JONES

Fax To:

Reported: 01-Dec-20 16:46

B-6-2'

H003117-17 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
			Cardina	ıl Laborat	ories	, ,				
norganic Compounds										
Chloride	752		16.0	mg/kg	4	0113011	GM	30-Nov-20	4500-Cl-B	

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Analytical Results For:

PIMA ENVIROMENTAL 1601 N TURNER STE. 500 HOBBS NM, 88240

Project: PARKWAY WEST SWD #1

Reported: 01-Dec-20 16:46

Project Number: 49

Project Manager: CHRIS JONES

Fax To:

B-6-BOTTOM

H003117-18 (Soil)

Reporting Limit Result MDL Units Dilution Analyzed Method Notes Analyte Batch Analyst **Cardinal Laboratories**

Inorganic Compounds

16.0 0113011 GM 30-Nov-20 4500-Cl-B Chloride 192 mg/kg

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Analytical Results For:

PIMA ENVIROMENTAL 1601 N TURNER STE. 500 HOBBS NM, 88240

Project: PARKWAY WEST SWD #1

Project Number: 49

Project Manager: CHRIS JONES

Fax To:

Reported: 01-Dec-20 16:46

B - 7 - 1'

H003117-19 (Soil)

Ar	nalyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
Cardinal Laboratories											
Ino	norganic Compounds										
Chle	oride	720		16.0	mg/kg	4	0113011	GM	30-Nov-20	4500-Cl-B	

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Analytical Results For:

PIMA ENVIROMENTAL 1601 N TURNER STE. 500 HOBBS NM, 88240

Project: PARKWAY WEST SWD #1

Project Number: 49

Project Manager: CHRIS JONES

Reported: 01-Dec-20 16:46

Fax To:

B - 7 - 2'

H003117-20 (Soil)

А	nalyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes	
	Cardinal Laboratories											
Inc	organic Compounds								Analyzed Method Notes 30-Nov-20 4500-Cl-B			
Ch	loride	416		16.0	mg/kg	4	0113011	GM	30-Nov-20	4500-Cl-B		

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Celey D. Keene



Analytical Results For:

PIMA ENVIROMENTAL 1601 N TURNER STE. 500 HOBBS NM, 88240

Project: PARKWAY WEST SWD #1

Reported: 01-Dec-20 16:46

Project Number: 49

Project Manager: CHRIS JONES

Fax To:

B-7-BOTTOM

H003117-21 (Soil)

	Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
Cardinal Laboratories											
I	Inorganic Compounds										
(Chloride	640		16.0	mg/kg	4	0113011	GM	30-Nov-20	4500-Cl-B	

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Analytical Results For:

PIMA ENVIROMENTAL 1601 N TURNER STE. 500 HOBBS NM, 88240 Project: PARKWAY WEST SWD #1

Project Number: 49

Project Manager: CHRIS JONES

Fax To:

Reported: 01-Dec-20 16:46

B-8-1'

H003117-22 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
			Cardina	l Laborat	ories					
Inorganic Compounds										
Chloride	192		16.0	mg/kg	4	0113011	GM	30-Nov-20	4500-Cl-B	

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Analytical Results For:

PIMA ENVIROMENTAL 1601 N TURNER STE. 500 HOBBS NM, 88240

Project: PARKWAY WEST SWD #1

Project Number: 49

Project Manager: CHRIS JONES

Fax To:

Reported: 01-Dec-20 16:46

B-8-2'

H003117-23 (Soil)

Analyte	Result	MDL	Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
Cardinal Laboratories										
Inorganic Compounds										
Chloride	80.0		16.0	mg/kg	4	0113011	GM	30-Nov-20	4500-Cl-B	

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Analytical Results For:

PIMA ENVIROMENTAL 1601 N TURNER STE. 500 HOBBS NM, 88240

Project: PARKWAY WEST SWD #1

Reported: 01-Dec-20 16:46

Project Number: 49

Project Manager: CHRIS JONES

Fax To:

B-8-BOTTOM

H003117-24 (Soil)

Reporting Limit Result MDL Units Dilution Analyzed Method Notes Analyte Batch Analyst

Cardinal Laboratories

Inorganic Compounds

16.0 0113011 GM 30-Nov-20 4500-Cl-B Chloride 80.0 mg/kg

Cardinal Laboratories *=Accredited Analyte

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Reported:

4500-Cl-B

01-Dec-20 16:46



96.0

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

Analytical Results For:

PIMA ENVIROMENTAL 1601 N TURNER STE. 500 HOBBS NM, 88240

Chloride

Project: PARKWAY WEST SWD #1

0113011

GM

30-Nov-20

Project Number: 49

Project Manager: CHRIS JONES

Fax To:

B-9-1'

H003117-25 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
Inorganic Compounds			Cardin	al Laborat	tories					

mg/kg

16.0

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Analytical Results For:

PIMA ENVIROMENTAL 1601 N TURNER STE. 500 HOBBS NM, 88240 Project: PARKWAY WEST SWD #1

Project Number: 49

Project Manager: CHRIS JONES

Fax To:

Reported: 01-Dec-20 16:46

anagen. CHRIS JONE

B - 9 - 2'

H003117-26 (Soil)

A	Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes		
	Cardinal Laboratories												
<u>In</u>	organic Compounds												
Ch	ıloride	192		16.0	mg/kg	4	0113012	GM	30-Nov-20	4500-Cl-B			

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352

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Analytical Results For:

PIMA ENVIROMENTAL 1601 N TURNER STE. 500 HOBBS NM, 88240

Chloride

Project: PARKWAY WEST SWD #1

0113012

GM

30-Nov-20

Reported: 01-Dec-20 16:46

4500-Cl-B

Project Number: 49

Project Manager: CHRIS JONES

Fax To:

B-9-BOTTOM

H003117-27 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes		
Cardinal Laboratories												
Inorganic Compounds												

mg/kg

16.0

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Reported:

4500-Cl-B

01-Dec-20 16:46



656

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Analytical Results For:

PIMA ENVIROMENTAL 1601 N TURNER STE. 500 HOBBS NM, 88240

Chloride

Project: PARKWAY WEST SWD #1

0113012

GM

30-Nov-20

Project Number: 49

Project Manager: CHRIS JONES

Fax To:

B - 10 - 1'

H003117-28 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes		
Cardinal Laboratories												
organic Compounds												

mg/kg

16.0

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Analytical Results For:

PIMA ENVIROMENTAL 1601 N TURNER STE. 500 HOBBS NM, 88240

Project: PARKWAY WEST SWD #1

Project Number: 49

Project Manager: CHRIS JONES

Reported: 01-Dec-20 16:46

Fax To:

B-10-2'

H003117-29 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
			Cardina	ıl Laborat	ories					
Inorganic Compounds										
Chloride	368		16.0	mg/kg	4	0113012	GM	30-Nov-20	4500-Cl-B	

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Analytical Results For:

PIMA ENVIROMENTAL 1601 N TURNER STE. 500 HOBBS NM, 88240

Project: PARKWAY WEST SWD #1

Reported: 01-Dec-20 16:46

Project Number: 49

Project Manager: CHRIS JONES

Fax To:

B-10-BOTTOM

H003117-30 (Soil)

Reporting Limit Result MDL Units Dilution Analyzed Method Notes Analyte Batch Analyst **Cardinal Laboratories**

Inorganic Compounds

16.0 0113012 GM 30-Nov-20 4500-Cl-B Chloride 160 mg/kg

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Analytical Results For:

PIMA ENVIROMENTAL 1601 N TURNER STE. 500 HOBBS NM, 88240

Project: PARKWAY WEST SWD #1

Reported: 01-Dec-20 16:46

Project Number: 49

Project Manager: CHRIS JONES

Fax To:

B-11-1'

H003117-31 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
			Cardina	al Laborat	ories					
Inorganic Compounds										
Chloride	1380		16.0	mg/kg	4	0113012	GM	30-Nov-20	4500-Cl-B	

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Reported:

4500-Cl-B

01-Dec-20 16:46



128

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Analytical Results For:

PIMA ENVIROMENTAL 1601 N TURNER STE. 500 HOBBS NM, 88240

Chloride

Project: PARKWAY WEST SWD #1

0113012

GM

30-Nov-20

Project Number: 49

Project Manager: CHRIS JONES

Fax To:

B - 11 - 2'

H003117-32 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
Inorganic Compounds			Cardin	al Laborat	tories					

mg/kg

16.0

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Analytical Results For:

PIMA ENVIROMENTAL 1601 N TURNER STE. 500 HOBBS NM, 88240

Project: PARKWAY WEST SWD #1

Reported: 01-Dec-20 16:46

Project Number: 49

Project Manager: CHRIS JONES

Fax To:

B-11-BOTTOM

H003117-33 (Soil)

	Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
				Cardina	ıl Laborat	ories					
]	Inorganic Compounds										
•	Chloride	96.0		16.0	mg/kg	4	0113012	GM	30-Nov-20	4500-Cl-B	

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Analytical Results For:

PIMA ENVIROMENTAL 1601 N TURNER STE. 500 HOBBS NM, 88240 Project: PARKWAY WEST SWD #1

Project Number: 49

Project Manager: CHRIS JONES

Fax To:

Reported: 01-Dec-20 16:46

B - 12 - 1'

H003117-34 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
			Cardina	ıl Laborat	ories					
Inorganic Compounds										
Chloride	224		16.0	mg/kg	4	0113012	GM	30-Nov-20	4500-Cl-B	

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Analytical Results For:

PIMA ENVIROMENTAL 1601 N TURNER STE. 500 HOBBS NM, 88240 Project: PARKWAY WEST SWD #1

Project Number: 49

Project Manager: CHRIS JONES

Fax To:

Reported: 01-Dec-20 16:46

B - 12 - 2'

H003117-35 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
			Cardina	ıl Laborat	ories					
Inorganic Compounds										
Chloride	32.0		16.0	mg/kg	4	0113012	GM	30-Nov-20	4500-Cl-B	

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Analytical Results For:

PIMA ENVIROMENTAL 1601 N TURNER STE. 500 HOBBS NM, 88240 Project: PARKWAY WEST SWD #1

Reported: 01-Dec-20 16:46

Project Number: 49

Project Manager: CHRIS JONES

Fax To:

B-12-BOTTOM

H003117-36 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
Inorganic Compounds			Cardin	al Laborat	tories					

Chloride 48.0 16.0 mg/kg 4 0113012 GM 30-Nov-20 4500-Cl-B

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Analytical Results For:

PIMA ENVIROMENTAL 1601 N TURNER STE. 500 HOBBS NM, 88240

Project: PARKWAY WEST SWD #1

Reported: 01-Dec-20 16:46

Project Number: 49

Project Manager: CHRIS JONES

Fax To:

B-13-1'

H003117-37 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
			Cardina	al Laborat	ories					
Inorganic Compounds										
Chloride	320		16.0	mg/kg	4	0113012	GM	30-Nov-20	4500-Cl-B	

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Analytical Results For:

PIMA ENVIROMENTAL 1601 N TURNER STE. 500 HOBBS NM, 88240

Project: PARKWAY WEST SWD #1

Project Number: 49

Project Manager: CHRIS JONES

Fax To:

Reported: 01-Dec-20 16:46

B - 13 - 2'

H003117-38 (Soil)

Analyte	Result	Repor MDL Lim		Dilution	Batch	Analyst	Analyzed	Method	Notes
		C	ardinal Labor	atories					
Inorganic Compounds									
Chloride	96.0	16.	0 mg/kg	4	0113012	GM	30-Nov-20	4500-Cl-B	

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Analytical Results For:

PIMA ENVIROMENTAL 1601 N TURNER STE. 500 HOBBS NM, 88240

Project: PARKWAY WEST SWD #1

Reported: 01-Dec-20 16:46

Project Number: 49

Project Manager: CHRIS JONES

Fax To:

B-13-BOTTOM

H003117-39 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
			Cardina	ıl Laborat	ories					
Inorganic Compounds										
Chloride	48.0		16.0	mg/kg	4	0113012	GM	30-Nov-20	4500-Cl-B	

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Analytical Results For:

PIMA ENVIROMENTAL 1601 N TURNER STE. 500 HOBBS NM, 88240 Project: PARKWAY WEST SWD #1

Project Number: 49

Project Manager: CHRIS JONES

Fax To:

Reported: 01-Dec-20 16:46

Inorganic Compounds - Quality Control

Cardinal Laboratories

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
·	result	Limit	Oma	Level	Result	/UKLC	Limio	МЪ	Dillit	110103
Batch 0112512 - 1:4 DI Water										
Blank (0112512-BLK1)				Prepared &	Analyzed:	25-Nov-20				
Chloride	ND	16.0	mg/kg							
LCS (0112512-BS1)				Prepared &	z Analyzed:	25-Nov-20				
Chloride	416	16.0	mg/kg	400		104	80-120			
LCS Dup (0112512-BSD1)				Prepared &	z Analyzed:	25-Nov-20				
Chloride	432	16.0	mg/kg	400		108	80-120	3.77	20	
Batch 0113011 - 1:4 DI Water										
Blank (0113011-BLK1)				Prepared &	z Analyzed:	30-Nov-20				
Chloride	ND	16.0	mg/kg							
LCS (0113011-BS1)				Prepared &	z Analyzed:	30-Nov-20				
Chloride	400	16.0	mg/kg	400		100	80-120			
LCS Dup (0113011-BSD1)				Prepared &	z Analyzed:	30-Nov-20				
Chloride	416	16.0	mg/kg	400		104	80-120	3.92	20	
Batch 0113012 - 1:4 DI Water										
Blank (0113012-BLK1)				Prepared &	Analyzed:	30-Nov-20				
Chloride	ND	16.0	mg/kg							
LCS (0113012-BS1)				Prepared &	Analyzed:	30-Nov-20				
Chloride	400	16.0	mg/kg	400	·	100	80-120	·		

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Celey D. Keene



Analytical Results For:

PIMA ENVIROMENTAL 1601 N TURNER STE. 500 HOBBS NM, 88240 Project: PARKWAY WEST SWD #1

Project Number: 49

Project Manager: CHRIS JONES

Fax To:

Reported: 01-Dec-20 16:46

Inorganic Compounds - Quality Control

Cardinal Laboratories

		Reporting		Spike	Source		%REC		RPD	
Analyte	Result	Limit	Units	Level	Result	%REC	Limits	RPD	Limit	Notes

Batch 0113012 - 1:4 DI Water

LCS Dup (0113012-BSD1)				Prepared & Analyzed:	30-Nov-20)		
Chloride	400	16.0	mg/kg	400	100	80-120	0.00	20

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Notes and Definitions

ND Analyte NOT DETECTED at or above the reporting limit

RPD Relative Percent Difference

** Samples not received at proper temperature of 6°C or below.

*** Insufficient time to reach temperature.

Chloride by SM4500Cl-B does not require samples be received at or below 6°C

Samples reported on an as received basis (wet) unless otherwise noted on report

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Celey D. Keene

Received by OCD: 1/27/2023 8:39:18 AM

Page 46 of 49



CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

101 East Marland, Hobbs, NM 88240 (575) 393-2326 FAX (575) 393-2476

Company Name: Pima Environmental Project Manager: Of the Control		BILL TO		ANALYSIS I	RECLIEST
Chris Jones	P.O. #: 2	0890519		THE POINT	LQUEST
Address: 1601 N. Turner STE 500		Devon			
City: Hobbs State: NA 7in: E + 21		m Bynum			
Phone #: 964 - 7740 Fax #:	Add	a wywom	-		
Project #: 49 Project Owner: Da	014		-		
roject Name: PAIR WAY WAY TO	City:		-		
Project Location: Eddy, Nm		Zip:	-		
Sampler Name: Robert Carper	Phone #:				
FOR LARTISE ONLY	Fax #:	-			
	MATRIX PRESER	V. SAMPLING	1 2		
Lab I.D. #Sample I.D. 1 5-1-1 FT 2 5-2-2 60 HOW 1 5-3-1 60 HOW 2 5-3-2 60 HOW 2 5-3-2 7 7 7 7 7 7 7 7 7	SOIL OIL SILUDGE OTHER; ACID/BASE.	11/23 0850 11/23 0855 11/23 0905 11/23 0905 11/23 0915 11/23 0915 11/23 0920	Chi		
		11/23 0925			
3-3-BOTTOM					

Relinquished By:	Time: 2:10	ved By: Odi AllenSov	Verbal Result:
remiquished by:	Date: Receiv	ed By:	REMARKS: ** Sample IDs revised as per Chris. 121,100 Ch
Delivered By: (Circle One) Sampler - UPS - Bus - Other:	Observed Temp. °C 4.	Sample Condition CHECKED Cool Intact (hitials	
	† Cardinal cannot ac	cept verbal changes. Please am	

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

Received by OCD: 1/27/2023 8:39:18 AM

Corrected Temp. °C

Page 47 of



CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

101 East Marland, Hobbs, NM 88240 (575) 393-2326 FAX (575) 393-2476

Project Manager: Chiir Jones	% /	BILL T		ANALYSIS REQUEST
Address 1601 21		P.O. #: 208 9	519	1 1 1 1 1 1 1 1
Address: 1601 N. Turner	STE 500	Company: De	ION	
State: 14	n Zip: 88 240	Attn: Tom	3vwon	
Phone #: 964 - 7740 Fax #:		Address:	,	
Project #: 49 Project Ow	ner: Devon	City:		1.2
Tolect Name:	SUD #1	State: Zip:	1 7	
Project Location: Eddy, Nm Sampler Name: Robert Carper	•	Phone #:	1	
ampler Name: Robert CArper		Fax #:		14
FOR LAB USE ONLY	MATRIX		MPLING	19
	MP ~			
labib	(C)O ATERS ER			1,8
Lab I.D. Sample I.D.	NAT WAT	SE:		[2
mana R	(G)RAB OR (C)OI # CONTAINERS GROUNDWATER WASTEWATER SOIL OIL	CO CO		124
DO3111 B	G(G)RAB OR (C)OMP-# CONTAINERS GROUNDWATER WASTEWATER SOIL OIL	ACID/BASE: ICE / COOL OTHER:	TIME	19
11 5- 4-2'	G	1 11/23		
12 5-4- BOTTOM		11/23		
19 5-3-11		11/23		
14 5-5-21 15 5-5- Bottom		11/23	0815	
16 5 - 6 - 1'		1/23	08130	
11 5-6-2		11/23		
		11/23	0830	
18 5-6- BOTTOM		11/23	0835	
20 5-7-21		11/23	0640	
ASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for	any rigim spiring whather bessel is and	11/23	0845	
ses. All claims including those for negligence and any other cause whatsoever shall be. In no event shall Cardinal be liable for incidental or continuated descriptions.	any claim arising whether based in contract o e deemed waived unless made in writing and ri on without limitation, business interruptions, los Cardinal proportions of whether the		aid by the client for th	
inquished By: Date:	Pagainted Days	based upon any of the above stated	easons or otherwise.	
11/24/20 Time:	And: la		Verbal Resil	ult:
270	well the	uson		Provide Elifali address:
Date:	Received By:		REMARKS:	
Time:				
livered By: (Circle One) Observed Temp. °C	Sample Condition	n CHECKED BY:	T	
npler - UPS - Bus - Other: Corrected Temp. °C	Cool Intact /	Initials)	Turnaround	Rush Cool Intact Character
PORM-000 R 3.0	□ No □ No	CUX	Thermometer	Cool Intact Observed Temp. °C Yes Yes Yes No No Corrected Temp. °C

Thermometer ID #97-11-3 Correction Factor + 0.4 °C † Cardinal cannot accept verbal changes. Please email changes to celey.keene@cardinallabsnm.com

Page 48 of 49

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

101 East Marland, Hobbs, NM 88240 (575) 393-2326 FAX (575) 393-2476

Company Name: Pima Enviro m. Project Manager: Chris Jones	nTal					g	В	ILL TO			ANA	LYSIS I	REQUE	ST	_
Address: 1/201 MI T				_	-	P.O.	#: 20	0890	519						Т
Address: 1601 N. Turner City: Hobbt State Rue	STE	- 3	0		-	Comp	oany:	Dev	on						
	Zip:	88.	24	0	1	Attn:	TOI	n By	NUM						
Phone #: 964-7740 Fax #:						Addre									
Project #: 49 Project Ow	ner:	Dec	100	v	0	City:									1
Project Name: PACKILLOW ILLEST	SW	0	#	-/		State:		Zip:					1 1		
Project Location: Fddy, Nm Sampler Name: Robert CAIPER						hone		Lip.		1					
Sampler Name: Robert CAI PER						ax #:				+			1 1		
FOR LAB USE ONLY	\Box		M	ATRIX	<u>.</u>	_	ESERV	. SAN	IPLING	- 4			1 1		
	(C)OMP.	~					1			13					
Lab I.D. Sample I.D. H003119 B 21 \$ - 7 - Bottom	(G)RAB OR (C)C	GROUNDWATER	WASTEWATER	OIL	SCUDGE OTHER	ACID/BASE:	ICE / COOL OTHER:	DATE	TIME	Chlori					
17 5- C- 11	9	\perp	1				1	4/23	0940						-
21 5-7-Bottom 22 5-8-11 23 5-8-21 24 5-8-Bottom 25 5-9-11 24 5-9-3 21 5-9-Bottom 28 5-10-10	+H		-		1			11/23	0945						
14 5 - 8 - 8 - 4	H		-		1			11/27	0950						
24 3 - 8 - Bottom	+		+		1			11/27	1000				1 1		
7/1 8-5-2	HH				1			11/23	1005						
71 5-0- P	HH				1			11/23	1010					-	
18 5 - 9 - BOTTOM	111		+					11/27	1015						
29 5-10-2	H		\Box					11/27	1020						
	HH		-		1			-	1025						
BS TWO BASE NOTE: Liability and Damages. Cardinal's liability and client's factusive remody for the season of the	1				1			11/23 the amount paid thin 30 days after	10 3.		1			-	

service. In no event shall Cardinal he liable for incident	bility and client's exclusive remedy for any claim arising d any other cause whatsoever shall be deemed waived	whether based in contract or fort, shall be limited to the amount paid by the client for the unless made in writing and received by Cardinal within 30 days after completion of the applicable in, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, as of whether such claim is based upon any of the above stated reasons or otherwise.
Relinquished/By:	Date: Receive Time: Receive Time: Receive	By: Verbal Result: Yes No Add'l Phone #: All Results are emailed. Please provide Email address: REMARKS:
Delivered By: (Circle One) Sampler - UPS - Bus - Other:	Observed Temp. °C 나 / Corrected Temp. °C	Sample Condition CHECKED BY: Turnaround Time: Standard Rush Bacteria (only) Sample Condition Cool Intact Observed Temp. °C Thermometer ID #113 Correction Factor None Pot verbal changes. Please email changes to celev keepo@cardinallaborus.

Page 49 of 49

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

101 East Marland, Hobbs, NM 88240 (575) 393-2326 FAX (575) 393-2476

Observed Temp. °C 4

Corrected Temp. °C

Sampler - UPS - Bus - Other:

P.O. #: 20890519	ANALYSIS REQUEST
	1 1 1 1 1 1 1 1 1 1 1 1
Company: Devon	1
Attn: Tom Buren	1
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	1
	1
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PRESERV. SAMPLING	10
O SE	
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TO B E DATE TIME	
11/23 1045	
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年年 第 3	
	Address: City: State: Zip: Phone #: Fax #: PRESERV. SAMPLING DATE TIME

☐Yes ☐ Yes ☐ Nc ☐ No Correction Factor None † Cardinal cannot accept verbal changes. Please email changes to celey.keene@cardinallabsnm.com

CHECKED BY:

(Initials)

Turnaround Time:

Thermometer ID #113

Standard

Bacteria (only) Sample Condition

Observed Temp. °C

Corrected Temp. °C

Cool Intact

Sample Condition

No No

Cool Intact
Yes Yes



January 06, 2021

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

RE: PARKWAY WEST SWD #1

Enclosed are the results of analyses for samples received by the laboratory on 12/31/20 15:50.

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

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

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

Celey D. Keene

Accreditation applies to public drinking water matrices.

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

Sincerely,

Celey D. Keene

Lab Director/Quality Manager



Analytical Results For:

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

Received: 12/31/2020 Reported: 01/06/2021

Project Name: PARKWAY WEST SWD #1
Project Number: 49

Project Location: DEVON - 32.635774-104.069381

Sampling Date: 12/31/2020

Sampling Type: Soil

Sampling Condition: ** (See Notes)
Sample Received By: Jodi Henson

Sample ID: NORTH WALL COMP #1 (H003369-01)

BTEX 8021B	mg	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/04/2021	ND	1.99	99.4	2.00	1.76	
Toluene*	<0.050	0.050	01/04/2021	ND	1.92	96.1	2.00	1.63	
Ethylbenzene*	<0.050	0.050	01/04/2021	ND	1.98	98.9	2.00	1.46	
Total Xylenes*	<0.150	0.150	01/04/2021	ND	5.65	94.2	6.00	1.27	
Total BTEX	<0.300	0.300	01/04/2021	ND					
Surrogate: 4-Bromofluorobenzene (PID	101	% 73.3-12	9						
Chloride, SM4500CI-B	mg,	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	96.0	16.0	01/05/2021	ND	416	104	400	3.92	
TPH 8015M	mg,	/kg	Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/04/2021	ND	219	110	200	3.60	
DRO >C10-C28*	10.7	10.0	01/04/2021	ND	212	106	200	1.19	
EXT DRO >C28-C36	<10.0	10.0	01/04/2021	ND					
Surrogate: 1-Chlorooctane	97.9	% 44.3-14	4						
Surrogate: 1-Chlorooctadecane	94.3	% 42.2-15	6						

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Analytical Results For:

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

Received: 12/31/2020 Reported: 01/06/2021

PARKWAY WEST SWD #1

Project Number:

Project Name:

Project Location: DEVON - 32.635774-104.069381 Sampling Date: 12/31/2020

Sampling Type: Soil

Sampling Condition: ** (See Notes) Sample Received By:

Jodi Henson

Sample ID: NORTH WALL COMP #2 (H003369-02)

BTEX 8021B	mg	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/04/2021	ND	1.99	99.4	2.00	1.76	
Toluene*	<0.050	0.050	01/04/2021	ND	1.92	96.1	2.00	1.63	
Ethylbenzene*	<0.050	0.050	01/04/2021	ND	1.98	98.9	2.00	1.46	
Total Xylenes*	<0.150	0.150	01/04/2021	ND	5.65	94.2	6.00	1.27	
Total BTEX	<0.300	0.300	01/04/2021	ND					
Surrogate: 4-Bromofluorobenzene (PID	101	% 73.3-12	9						
Chloride, SM4500CI-B	mg,	/kg	Analyze	ed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	48.0	16.0	01/05/2021	ND	416	104	400	3.92	
TPH 8015M	mg	/kg	Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/04/2021	ND	219	110	200	3.60	
DRO >C10-C28*	<10.0	10.0	01/04/2021	ND	212	106	200	1.19	
EXT DRO >C28-C36	<10.0	10.0	01/04/2021	ND					
Surrogate: 1-Chlorooctane	96.2	% 44.3-14	14						
Surrogate: 1-Chlorooctadecane	93.4	% 42.2-15	6						

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Celey D. Keene



Analytical Results For:

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

Received: 12/31/2020 Reported: 01/06/2021

PARKWAY WEST SWD #1

Project Name: Project Number: 49

Project Location: DEVON - 32.635774-104.069381 Sampling Date: 12/31/2020

Sampling Type: Soil

Sampling Condition: ** (See Notes) Sample Received By: Jodi Henson

Sample ID: NORTH WALL COMP #3 (H003369-03)

BTEX 8021B	mg/	kg	Analyze	d By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	01/04/2021	ND	1.99	99.4	2.00	1.76		
Toluene*	<0.050	0.050	01/04/2021	ND	1.92	96.1	2.00	1.63		
Ethylbenzene*	<0.050	0.050	01/04/2021	ND	1.98	98.9	2.00	1.46		
Total Xylenes*	<0.150	0.150	01/04/2021	ND	5.65	94.2	6.00	1.27		
Total BTEX	<0.300	0.300	01/04/2021	ND						
Surrogate: 4-Bromofluorobenzene (PID	101 9	% 73.3-12	9							
Chloride, SM4500CI-B	mg/	kg	Analyzed By: AC							
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	96.0	16.0	01/05/2021	ND	416	104	400	3.92		
TPH 8015M	mg/	kg	Analyze	nalyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	<10.0	10.0	01/04/2021	ND	219	110	200	3.60		
DRO >C10-C28*	<10.0	10.0	01/04/2021	ND	212	106	200	1.19		
EXT DRO >C28-C36	<10.0	10.0	01/04/2021	ND						
Surrogate: 1-Chlorooctane	91.6	% 44.3-14	4							
Surrogate: 1-Chlorooctadecane	87.6	% 42.2-15	6							

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Celey D. Keene



Analytical Results For:

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

Received: 12/31/2020 Reported: 01/06/2021

PARKWAY WEST SWD #1

Project Number: 49

Project Name:

Project Location: DEVON - 32.635774-104.069381

Sampling Date: 12/31/2020

Sampling Type: Soil

Sampling Condition: ** (See Notes)
Sample Received By: Jodi Henson

VON - 32.635774-104.069381

Sample ID: NORTH WALL COMP #4 (H003369-04)

BTEX 8021B	mg	/kg	Analyze	ed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/04/2021	ND	1.99	99.4	2.00	1.76	
Toluene*	<0.050	0.050	01/04/2021	ND	1.92	96.1	2.00	1.63	
Ethylbenzene*	< 0.050	0.050	01/04/2021	ND	1.98	98.9	2.00	1.46	
Total Xylenes*	<0.150	0.150	01/04/2021	ND	5.65	94.2	6.00	1.27	
Total BTEX	<0.300	0.300	01/04/2021	ND					
Surrogate: 4-Bromofluorobenzene (PID	102	% 73.3-12	9						
Chloride, SM4500CI-B	mg,	/kg	Analyze	ed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	64.0	16.0	01/05/2021	ND	416	104	400	3.92	
TPH 8015M	mg,	/kg	Analyze	ed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/04/2021	ND	219	110	200	3.60	
DRO >C10-C28*	<10.0	10.0	01/04/2021	ND	212	106	200	1.19	
EXT DRO >C28-C36	<10.0	10.0	01/04/2021	ND					
Surrogate: 1-Chlorooctane	93.2	% 44.3-14	4						
Surrogate: 1-Chlorooctadecane	88.5	% 42.2-15	6						

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Celey D. Keene



Analytical Results For:

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

Received: 12/31/2020 Reported: 01/06/2021

PARKWAY WEST SWD #1

Project Name: PAI Project Number: 49

Project Location: DEVON - 32.635774-104.069381

Sampling Date: 12/31/2020

Sampling Type: Soil

Sampling Condition: ** (See Notes)
Sample Received By: Jodi Henson

Sample ID: WEST WALL COMP #1 (H003369-05)

BTEX 8021B	mg	/kg	Analyze	ed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/04/2021	ND	1.99	99.4	2.00	1.76	
Toluene*	<0.050	0.050	01/04/2021	ND	1.92	96.1	2.00	1.63	
Ethylbenzene*	<0.050	0.050	01/04/2021	ND	1.98	98.9	2.00	1.46	
Total Xylenes*	<0.150	0.150	01/04/2021	ND	5.65	94.2	6.00	1.27	
Total BTEX	<0.300	0.300	01/04/2021	ND					
Surrogate: 4-Bromofluorobenzene (PID	101	% 73.3-12	9						
Chloride, SM4500CI-B	mg	/kg	Analyze	ed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	144	16.0	01/05/2021	ND	416	104	400	3.92	
TPH 8015M	mg	/kg	Analyze	ed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/04/2021	ND	219	110	200	3.60	
DRO >C10-C28*	<10.0	10.0	01/04/2021	ND	212	106	200	1.19	
EXT DRO >C28-C36	<10.0	10.0	01/04/2021	ND					
Surrogate: 1-Chlorooctane	98.0	% 44.3-14	14						
Surrogate: 1-Chlorooctadecane	93.0	% 42.2-15	6						

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Analytical Results For:

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

Received: 12/31/2020 Reported: 01/06/2021

PARKWAY WEST SWD #1

Project Name: Project Number: 49

Project Location: DEVON - 32.635774-104.069381 Sampling Date: 12/31/2020

Sampling Type: Soil

Sampling Condition: ** (See Notes) Sample Received By: Jodi Henson

Sample ID: WEST WALL COMP #2 (H003369-06)

BTEX 8021B	mg/	'kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/04/2021	ND	1.95	97.7	2.00	2.50	
Toluene*	<0.050	0.050	01/04/2021	ND	1.86	93.2	2.00	3.88	
Ethylbenzene*	<0.050	0.050	01/04/2021	ND	1.94	97.0	2.00	3.74	
Total Xylenes*	<0.150	0.150	01/04/2021	ND	5.56	92.6	6.00	3.12	
Total BTEX	<0.300	0.300	01/04/2021	ND					
Surrogate: 4-Bromofluorobenzene (PID	103 5	% 73.3-12	9						
Chloride, SM4500Cl-B	mg/	'kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	144	16.0	01/05/2021	ND	416	104	400	3.92	
TPH 8015M	mg/	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/04/2021	ND	219	110	200	3.60	
DRO >C10-C28*	<10.0	10.0	01/04/2021	ND	212	106	200	1.19	
EXT DRO >C28-C36	<10.0	10.0	01/04/2021	ND					
Surrogate: 1-Chlorooctane	96.4	% 44.3-14	4						
Surrogate: 1-Chlorooctadecane	91.9	% 42.2-15	6						

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Analytical Results For:

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

Received: 12/31/2020 Reported: 01/06/2021

PARKWAY WEST SWD #1

Project Number: 49

Project Name:

Project Location: DEVON - 32.635774-104.069381

Sampling Date: 12/31/2020

Sampling Type: Soil

Sampling Condition: ** (See Notes)
Sample Received By: Jodi Henson

Sample ID: WEST WALL COMP #3 (H003369-07)

BTEX 8021B	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/04/2021	ND	1.95	97.7	2.00	2.50	
Toluene*	<0.050	0.050	01/04/2021	ND	1.86	93.2	2.00	3.88	
Ethylbenzene*	<0.050	0.050	01/04/2021	ND	1.94	97.0	2.00	3.74	
Total Xylenes*	<0.150	0.150	01/04/2021	ND	5.56	92.6	6.00	3.12	
Total BTEX	<0.300	0.300	01/04/2021	ND					
Surrogate: 4-Bromofluorobenzene (PID	100	% 73.3-12	9						
Chloride, SM4500CI-B	mg,	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	3120	16.0	01/05/2021	ND	416	104	400	3.92	
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/04/2021	ND	219	110	200	3.60	
DRO >C10-C28*	<10.0	10.0	01/04/2021	ND	212	106	200	1.19	
EXT DRO >C28-C36	<10.0	10.0	01/04/2021	ND					
Surrogate: 1-Chlorooctane	96.2	% 44.3-14	14						
Surrogate: 1-Chlorooctadecane	91.0	% 42.2-15	6						

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Analytical Results For:

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

Received: 12/31/2020 Reported: 01/06/2021

PARKWAY WEST SWD #1

Project Number: 49

Project Name:

Project Location: DEVON - 32.635774-104.069381

Sampling Date: 12/31/2020

Sampling Type: Soil

Sampling Condition: ** (See Notes)
Sample Received By: Jodi Henson

Sample ID: WEST WALL COMP #4 (H003369-08)

BTEX 8021B	mg	/kg	Analyze	ed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/04/2021	ND	1.95	97.7	2.00	2.50	
Toluene*	<0.050	0.050	01/04/2021	ND	1.86	93.2	2.00	3.88	
Ethylbenzene*	<0.050	0.050	01/04/2021	ND	1.94	97.0	2.00	3.74	
Total Xylenes*	<0.150	0.150	01/04/2021	ND	5.56	92.6	6.00	3.12	
Total BTEX	<0.300	0.300	01/04/2021	ND					
Surrogate: 4-Bromofluorobenzene (PID	102	% 73.3-12	9						
Chloride, SM4500CI-B	mg	/kg	Analyze	ed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1960	16.0	01/05/2021	ND	416	104	400	3.92	
TPH 8015M	mg	/kg	Analyze	ed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/04/2021	ND	219	110	200	3.60	
DRO >C10-C28*	<10.0	10.0	01/04/2021	ND	212	106	200	1.19	
EXT DRO >C28-C36	<10.0	10.0	01/04/2021	ND					
Surrogate: 1-Chlorooctane	96.8	% 44.3-14	4						
Surrogate: 1-Chlorooctadecane	91.7	% 42.2-15	6						

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Notes and Definitions

ND Analyte NOT DETECTED at or above the reporting limit

RPD Relative Percent Difference

** Samples not received at proper temperature of 6°C or below.

*** Insufficient time to reach temperature.

- Chloride by SM4500Cl-B does not require samples be received at or below 6°C

Samples reported on an as received basis (wet) unless otherwise noted on report

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CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Page 11 of 11

Released to Imaging: 2/2/2023 8:12:44 AM

101 East Marland, Hobbs, NM 88240 (575) 393-2326 FAX (575) 393-2476

Company Name: Pima Exviroment	01								BI	LL TO					ANALYS	IS REQ	UEST	
Project Manager: Chiris Jones						F	2.0.	#: 2	202	390519	r							
Address: 1601 N. Turner Ste	50	00)							LON								
City: 14066 State:NM	Zip:	8	82	4	0	A	ttn:	w	290	Mathe	ews						_ _	
Phone #: 575-631-6977 Fax #:							Addr	ess	:							1	1 1	
Project #: 49 Project Owner	: D	er	ON			c	ity:									1 1		
Project Name: PACKWAY WAST SWD +	} 1					s	State	:		Zip:						1 1		
Project Location: EDDY County						F	hor	ne #	:			1						
Sampler Name: MATK Newcomb	_	_				F	ax			0440	INC	3		0				
FOR LAB USE ONLY	0.		-	MA	TRIX		P	RES	ERV.	SAMP	LING	10		10				
Lab I.D. Sample I.D.	(G)RAB OR (C)OM	# CONTAINERS	GROUNDWATER	SOIL	OIL	SLUDGE	OTHER:	ICE / COO!	OTHER:	DATE	TIME	- Hall	BYEX	Ch lorid				
North Wall Comp#1				1			1	4		12/31/20		11	1	1		++		
2 North Wall Comp#2	Ш			1	Н	-	+	\mathbb{H}				H	+	+		+		
3 North WALL Comp#3	Н	Н		1	H	-	+	+			-	H	-	\square		+ +		
4 North Wall Comp#4	Н	Н	+	1	Н	+	+	\mathbb{H}	+			Н	+	H		1.1		
5 West Wall Comp#1	Н	Н	-	+		-	+	1				H	+	\Box		1		
west wall comp#2		Н	+	1		+	+	-					1					
7 West WALL COMP#43 8 West WALL COMP#4	1	Н		1		\forall	+	1				1	1	+				
DI WEST WIGH COMPAY	-				Н	1	1	ľ										
								1										

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Relinquished By:	Time: 50	di Senson	Verbal Result: ☐ Yes ☐ No Add'l Phone #: All Results are emailed. Please provide Email address:
Relinquished By:	Date: Receive	ed By:	Bill to Devon
Delivered By: (Circle One) Sampler - UPS - Bus - Other:	Observed Temp. °C 14,3 Corrected Temp. °C	Sample Condition Cool Intact Yes Yes No No	Turnaround Time: Standard Rush Bacteria (only) Sample Condition Cool Intact Observed Temp. °C Thermometer ID #113 Correction Factor None Standard Push Standard Stan



January 12, 2021

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

RE: PARKWAY WEST SWD #1

Enclosed are the results of analyses for samples received by the laboratory on 01/08/21 13:15.

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

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

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

Celey D. Keene

Accreditation applies to public drinking water matrices.

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

Sincerely,

Celey D. Keene

Lab Director/Quality Manager



Analytical Results For:

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

Received: 01/08/2021 Reported: 01/12/2021

Project Name: PARKWAY WEST SWD #1

Project Number: 49

Project Location: DEVON - 32.635774-104.069381

Sampling Date: 01/08/2021

Sampling Type: Soil

Sampling Condition: ** (See Notes)
Sample Received By: Tamara Oldaker

Sample ID: WEST WALL #3 (H210056-01)

BTEX 8021B	mg/	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/11/2021	ND	1.99	99.4	2.00	8.19	
Toluene*	<0.050	0.050	01/11/2021	ND	1.95	97.7	2.00	9.09	
Ethylbenzene*	<0.050	0.050	01/11/2021	ND	1.90	95.0	2.00	9.54	
Total Xylenes*	<0.150	0.150	01/11/2021	ND	5.58	93.0	6.00	9.35	
Total BTEX	<0.300	0.300	01/11/2021	ND					
Surrogate: 4-Bromofluorobenzene (PID	99.8	% 73.3-12	9						
Chloride, SM4500CI-B	mg/	kg	Analyze	d By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	144	16.0	01/11/2021	ND	400	100	400	3.92	
TPH 8015M	mg/	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/11/2021	ND	232	116	200	2.72	
DRO >C10-C28*	<10.0	10.0	01/11/2021	ND	235	118	200	1.16	
EXT DRO >C28-C36	<10.0	10.0	01/11/2021	ND					
Surrogate: 1-Chlorooctane	84.8	% 44.3-14	4						
Surrogate: 1-Chlorooctadecane	84.4	% 42.2-15	6						

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Analytical Results For:

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

Received: 01/08/2021 Reported: 01/12/2021

PARKWAY WEST SWD #1

Project Name: Project Number: 49

Project Location: DEVON - 32.635774-104.069381 Sampling Date: 01/08/2021

Sampling Type: Soil

Sampling Condition: ** (See Notes) Sample Received By: Tamara Oldaker

Sample ID: WEST WALL #4 (H210056-02)

BTEX 8021B	mg/	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/11/2021	ND	1.99	99.4	2.00	8.19	
Toluene*	<0.050	0.050	01/11/2021	ND	1.95	97.7	2.00	9.09	
Ethylbenzene*	<0.050	0.050	01/11/2021	ND	1.90	95.0	2.00	9.54	
Total Xylenes*	<0.150	0.150	01/11/2021	ND	5.58	93.0	6.00	9.35	
Total BTEX	<0.300	0.300	01/11/2021	ND					
Surrogate: 4-Bromofluorobenzene (PID	100 5	% 73.3-12	9						
Chloride, SM4500Cl-B	mg/	'kg	Analyze	d By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	128	16.0	01/11/2021	ND	400	100	400	3.92	
TPH 8015M	mg/	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/11/2021	ND	232	116	200	2.72	
DRO >C10-C28*	<10.0	10.0	01/11/2021	ND	235	118	200	1.16	
EXT DRO >C28-C36	<10.0	10.0	01/11/2021	ND					
Surrogate: 1-Chlorooctane	98.3	% 44.3-14	4						
Surrogate: 1-Chlorooctadecane	97.3	% 42.2-15	6						

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Celeg D. Freene



Notes and Definitions

QR-03 The RPD value for the sample duplicate or MS/MSD was outside of QC acceptance limits due to matrix interference. QC batch

accepted based on LCS and/or LCSD recovery and/or RPD values.

ND Analyte NOT DETECTED at or above the reporting limit

RPD Relative Percent Difference

** Samples not received at proper temperature of 6°C or below.

*** Insufficient time to reach temperature.

- Chloride by SM4500Cl-B does not require samples be received at or below 6°C

Samples reported on an as received basis (wet) unless otherwise noted on report

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Page 5 of

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

101 East Marland, Hobbs, NM 88240 (575) 393-2326 FAX (575) 393-2476

Company Name:	Pimo Edvironen		1							E	3 <i>IL</i>	L TO					F	NAL	YSIS	RE	QUE	ST		
	Chris Jones	,						P.C). #:	2	08	39051	9											
Address Mas	on N. Turner stes	0	0					-		_	_	evas												
Address: (W	State: Nm	7in	. 9	82	4	O						MATE	rews					- 1						
	-631-6977 Fax#:	Lip	. 0		•				dres															
Project #: 40		- î	10	VOI	J			Cit										- 1						
Project #: 9	PARKWAY SWD#1			100	_				ite:		- ;	Zip:											1	
									one	#:														
	MARK NEWCOMB							1	x #:					1		0								
Sampler Name: FOR LAB USE ONLY	MARKINEWCOMOS				M	ATR	IX	_	PRE	SE	RV.	SAME	PLING	X		3								
Lab I.D. #210056	Sample I.D.	(G)RAB OR (C)OMP	# CONTAINERS	GROUNDWATER	WASTEWATER	SOIL	SLUDGE	OTHER:	ACID/BASE:	ICE / COOL	OTHER:	DATE	TIME	- HRL	BTEX	~								
1	WEST WAIL #3									1		1/8/21	1:15	1	1						-	-		
2	WEST WALL # 4	1	-		1	_			1	7				1	4	7								
		-	H		+	+									4									
						1	-	-													-	-		
			t			1	1																- 0	
		-	-		H	+	+	1.7			-											-		

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Relinquished By:	Time: / 3/5	Received By:	uara L	Oldakur	Verbal Result:			Phone #: nail address:
Relinquished By:	Date: Time:	Received By:			REMARKS:		evi	/
Delivered By: (Circle One) Sampler - UPS - Bus - Other:	Observed Temp. °C Corrected Temp. °C	Cool	le Condition Intact es Yes	(Initials)	Turnaround Time: Thermometer ID #113 Correction Factor None	Standard Rush		Bacteria (only) Sample Condition Cool Intact Observed Temp. °C Yes Yes No No Corrected Temp. °C

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



January 18, 2021

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

RE: PARKWAY WEST SWD #1

Enclosed are the results of analyses for samples received by the laboratory on 01/13/21 16:45.

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

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

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

Accreditation applies to public drinking water matrices.

Celey D. Keene

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

Sincerely,

Celey D. Keene

Lab Director/Quality Manager



Analytical Results For:

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

Received: 01/13/2021 Reported: 01/18/2021

Project Name: PARKWAY WEST SWD #1

Project Number: 49

Project Location: DEVON - 32.635774-104.069381

Sampling Date: 01/08/2021

Sampling Type: Soil

Sampling Condition: Cool & Intact
Sample Received By: Jodi Henson

Sample ID: EAST WALL # 4 (H210085-01)

BTEX 8021B	mg	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/14/2021	ND	2.07	104	2.00	4.57	
Toluene*	<0.050	0.050	01/14/2021	ND	2.07	103	2.00	4.66	
Ethylbenzene*	<0.050	0.050	01/14/2021	ND	2.01	100	2.00	4.93	
Total Xylenes*	<0.150	0.150	01/14/2021	ND	5.87	97.8	6.00	4.52	
Total BTEX	<0.300	0.300	01/14/2021	ND					
Surrogate: 4-Bromofluorobenzene (PID	99.0	% 73.3-12	9						
Chloride, SM4500CI-B	mg,	/kg	Analyze	d By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	80.0	16.0	01/14/2021	ND	400	100	400	3.92	
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/14/2021	ND	220	110	200	1.44	
DRO >C10-C28*	<10.0	10.0	01/14/2021	ND	225	112	200	0.270	
EXT DRO >C28-C36	<10.0	10.0	01/14/2021	ND					
Surrogate: 1-Chlorooctane	79.3	% 44.3-14	4						
Surrogate: 1-Chlorooctadecane	78.6	% 42.2-15	6						

A ... - L ... - - - I D. .. MC

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Celey D. Keine



Analytical Results For:

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

Received: 01/13/2021 Reported: 01/18/2021

PARKWAY WEST SWD #1

Project Number: 49

Project Name:

RTFY 8021R

Project Location: DEVON - 32.635774-104.069381

Sampling Date: 01/08/2021

Sampling Type: Soil

Sampling Condition: Cool & Intact
Sample Received By: Jodi Henson

Sample ID: SOUTH WALL # 4 (H210085-02)

B1EX 8021B	mg,	^и кд	Anaiyze	а ву: м5					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/14/2021	ND	2.07	104	2.00	4.57	
Toluene*	<0.050	0.050	01/14/2021	ND	2.07	103	2.00	4.66	
Ethylbenzene*	<0.050	0.050	01/14/2021	ND	2.01	100	2.00	4.93	
Total Xylenes*	<0.150	0.150	01/14/2021	ND	5.87	97.8	6.00	4.52	
Total BTEX	<0.300	0.300	01/14/2021	ND					
Surrogate: 4-Bromofluorobenzene (PID	99.1 % 73.3-129		9						
Chloride, SM4500Cl-B	le, SM4500Cl-B mg/kg		Analyze	d By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	80.0	16.0	01/14/2021	ND	400	100	400	3.92	
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/14/2021	ND	220	110	200	1.44	
DRO >C10-C28*	<10.0	10.0	01/14/2021	ND	225	112	200	0.270	
EXT DRO >C28-C36	<10.0	10.0	01/14/2021	ND					
Surrogate: 1-Chlorooctane	81.8	% 44.3-14	4						
Surrogate: 1-Chlorooctadecane	78.1	% 42.2-15	6						

Analyzed By: MC

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Analytical Results For:

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

Received: 01/13/2021

01/18/2021

PARKWAY WEST SWD #1

Project Number:

Reported:

Project Name:

Project Location: DEVON - 32.635774-104.069381 Sampling Date: 01/08/2021

Sampling Type: Soil

Sampling Condition: Cool & Intact Sample Received By: Jodi Henson

Sample ID: EAST WALL # 1 (H210085-03)

BTEX 8021B	mg/	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/14/2021	ND	2.07	104	2.00	4.57	
Toluene*	<0.050	0.050	01/14/2021	ND	2.07	103	2.00	4.66	
Ethylbenzene*	< 0.050	0.050	01/14/2021	ND	2.01	100	2.00	4.93	
Total Xylenes*	<0.150	0.150	01/14/2021	ND	5.87	97.8	6.00	4.52	
Total BTEX	<0.300	0.300	01/14/2021	ND					
Surrogate: 4-Bromofluorobenzene (PID	99.2 % 73.3-12		9						
Chloride, SM4500CI-B			Analyze	d By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	64.0	16.0	01/14/2021	ND	400	100	400	3.92	
TPH 8015M	mg/	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/14/2021	ND	220	110	200	1.44	
DRO >C10-C28*	<10.0	10.0	01/14/2021	ND	225	112	200	0.270	
EXT DRO >C28-C36	<10.0	10.0	01/14/2021	ND					
Surrogate: 1-Chlorooctane	80.8	% 44.3-14	4						
Surrogate: 1-Chlorooctadecane	78.7	% 42.2-15	6						

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Celey D. Keene



Analytical Results For:

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

Received: 01/13/2021 Reported: 01/18/2021

PARKWAY WEST SWD #1

Project Number: 49

Project Name:

Project Location: DEVON - 32.635774-104.069381

Sampling Date: 01/08/2021

Sampling Type: Soil

Sampling Condition: Cool & Intact
Sample Received By: Jodi Henson

Sample ID: SOUTH WALL # 1 (H210085-04)

BTEX 8021B	mg	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/14/2021	ND	2.07	104	2.00	4.57	
Toluene*	<0.050	0.050	01/14/2021	ND	2.07	103	2.00	4.66	
Ethylbenzene*	<0.050	0.050	01/14/2021	ND	2.01	100	2.00	4.93	
Total Xylenes*	<0.150 0.150		01/14/2021	ND	5.87	97.8	6.00	4.52	
Total BTEX	<0.300 0.300		01/14/2021	ND					
Surrogate: 4-Bromofluorobenzene (PID	73.3-129		9						
Chloride, SM4500CI-B	hloride, SM4500Cl-B mg/kg		Analyze	d By: GM					
Analyte	Result	Reporting Limit	Analyzed	Analyzed Method Blank		% Recovery	True Value QC	RPD	Qualifier
Chloride	96.0	16.0	01/14/2021	ND	400	100	400	3.92	
TPH 8015M	mg	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/14/2021	ND	220	110	200	1.44	
DRO >C10-C28*	<10.0	10.0	01/14/2021	ND	225	112	200	0.270	
EXT DRO >C28-C36	<10.0	10.0	01/14/2021	ND					
Surrogate: 1-Chlorooctane	87.7	% 44.3-14	4						
Surrogate: 1-Chlorooctadecane	86.0	% 42.2-15	6						

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Analytical Results For:

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

Received: 01/13/2021 Reported: 01/18/2021

01/18/2021 PARKWAY WEST SWD #1

Project Name: Project Number: 49

Project Location: DEVON - 32.635774-104.069381

Sampling Date: 01/08/2021

Sampling Type: Soil

Sampling Condition: Cool & Intact
Sample Received By: Jodi Henson

Sample ID: EAST WALL # 2 (H210085-05)

BTEX 8021B

	<u> </u>			• •					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/14/2021	ND	2.07	104	2.00	4.57	
Toluene*	<0.050	0.050	01/14/2021	ND	2.07	103	2.00	4.66	
Ethylbenzene*	<0.050	0.050	01/14/2021	ND	2.01	100	2.00	4.93	
Total Xylenes*	<0.150	0.150	01/14/2021	ND	5.87	97.8	6.00	4.52	
Total BTEX	<0.300 0.300		01/14/2021	ND					
Surrogate: 4-Bromofluorobenzene (PID	99.5 % 73.3-12		9						
Chloride, SM4500CI-B	mg/kg		Analyze	ed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	80.0	16.0	01/14/2021	ND	400	100	400	3.92	
TPH 8015M	mg	/kg	Analyze	ed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/14/2021	ND	220	110	200	1.44	
DRO >C10-C28*	<10.0	10.0	01/14/2021	ND	225	112	200	0.270	
EXT DRO >C28-C36	<10.0	10.0	01/14/2021	ND					
Surrogate: 1-Chlorooctane	81.5	% 44.3-14	4						
Surrogate: 1-Chlorooctadecane	79.6	% 42.2-15	6						

Analyzed By: MS

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Celey D. Keene



Analytical Results For:

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

Received: 01/13/2021 Reported: 01/18/2021

01/18/2021 PARKWAY WEST SWD #1

Project Number: 49

Project Name:

RTFY 8021R

Project Location: DEVON - 32.635774-104.069381

Sampling Date: 01/08/2021

Sampling Type: Soil

Sampling Condition: Cool & Intact
Sample Received By: Jodi Henson

Sample ID: SOUTH WALL # 2 (H210085-06)

B1EX 8021B	mg	/ kg	Anaiyze	ea By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/14/2021	ND	2.07	104	2.00	4.57	
Toluene*	<0.050	0.050	01/14/2021	ND	2.07	103	2.00	4.66	
Ethylbenzene*	<0.050	0.050	01/14/2021	ND	2.01	100	2.00	4.93	
Total Xylenes*	<0.150	0.150	01/14/2021	ND	5.87	97.8	6.00	4.52	
Total BTEX	<0.300 0.300		01/14/2021	ND					
Surrogate: 4-Bromofluorobenzene (PID	98.8 % 73.3-129		9						
oloride, SM4500Cl-B		/kg	Analyze	ed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	96.0	16.0	01/14/2021	ND	416	104	400	0.00	
TPH 8015M	mg	/kg	Analyze	ed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/14/2021	ND	220	110	200	1.44	
DRO >C10-C28*	<10.0	10.0	01/14/2021	ND	225	112	200	0.270	
EXT DRO >C28-C36	<10.0	10.0	01/14/2021	ND					
Surrogate: 1-Chlorooctane	96.9	% 44.3-14	4						
Surrogate: 1-Chlorooctadecane	92.7	% 42.2-15	6						

Analyzed By: MC

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Analytical Results For:

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

Received: 01/13/2021 Reported: 01/18/2021

Project Name: PARKWAY WEST SWD #1

Project Number: 49

Project Location: DEVON - 32.635774-104.069381

Sampling Date: 01/08/2021

Sampling Type: Soil

Sampling Condition: Cool & Intact
Sample Received By: Jodi Henson

Sample ID: EAST WALL #3 (H210085-07)

BTEX 8021B

	<u> </u>			,					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/14/2021	ND	2.07	104	2.00	4.57	
Toluene*	<0.050	0.050	01/14/2021	ND	2.07	103	2.00	4.66	
Ethylbenzene*	<0.050	0.050	01/14/2021	ND	2.01	100	2.00	4.93	
Total Xylenes*	<0.150	0.150	01/14/2021	ND	5.87	97.8	6.00	4.52	
Total BTEX	<0.300 0.300		01/14/2021	ND					
Surrogate: 4-Bromofluorobenzene (PID	98.8 % 73.3-12		9						
Chloride, SM4500CI-B	mg/kg		Analyze	ed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	64.0	16.0	01/14/2021	ND	416	104	400	0.00	
TPH 8015M	mg,	/kg	Analyze	ed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/14/2021	ND	220	110	200	1.44	
DRO >C10-C28*	<10.0	10.0	01/14/2021	ND	225	112	200	0.270	
EXT DRO >C28-C36	<10.0	10.0	01/14/2021	ND					
Surrogate: 1-Chlorooctane	93.3	% 44.3-14	4						
Surrogate: 1-Chlorooctadecane	91.7	% 42.2-15	6						

Analyzed By: MS

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Celey D. Keene



Analytical Results For:

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

Received: 01/13/2021 Reported: 01/18/2021

PARKWAY WEST SWD #1

Project Name: PA
Project Number: 49

Project Location: DEVON - 32.635774-104.069381

Sampling Date: 01/08/2021

Sampling Type: Soil

Sampling Condition: Cool & Intact
Sample Received By: Jodi Henson

Sample ID: SOUTH WALL #3 (H210085-08)

BTEX 8021B	mg/	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/16/2021	ND	2.14	107	2.00	0.624	
Toluene*	<0.050	0.050	01/16/2021	ND	2.08	104	2.00	2.86	
Ethylbenzene*	<0.050	0.050	01/16/2021	ND	2.02	101	2.00	2.82	
Total Xylenes*	<0.150	0.150	01/16/2021	ND	5.91	98.4	6.00	2.61	
Total BTEX	<0.300 0.300		01/16/2021	ND					
Surrogate: 4-Bromofluorobenzene (PID	D 101 % 73.3-1.		9						
Chloride, SM4500CI-B			Analyze	d By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	96.0	16.0	01/14/2021 ND		416	104	400	0.00	
TPH 8015M	mg/	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/14/2021	ND	220	110	200	1.44	
DRO >C10-C28*	<10.0	10.0	01/14/2021	ND	225	112	200	0.270	
EXT DRO >C28-C36	<10.0	10.0	01/14/2021	ND					
Surrogate: 1-Chlorooctane	90.7	% 44.3-14	4						
Surrogate: 1-Chlorooctadecane	88.4	% 42.2-15	6						

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Analytical Results For:

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

Received: 01/13/2021 Reported: 01/18/2021

PARKWAY WEST SWD #1

Project Name: PA
Project Number: 49

Project Location: DEVON - 32.635774-104.069381

Sampling Date: 01/08/2021

Sampling Type: Soil

Sampling Condition: Cool & Intact
Sample Received By: Jodi Henson

Sample ID: SOUTH WALL # 6 (H210085-09)

BTEX 8021B	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/16/2021	ND	2.14	107	2.00	0.624	
Toluene*	<0.050	0.050	01/16/2021	ND	2.08	104	2.00	2.86	
Ethylbenzene*	<0.050	0.050	01/16/2021	ND	2.02	101	2.00	2.82	
Total Xylenes*	<0.150 0.150		01/16/2021	ND	5.91	98.4	6.00	2.61	
Total BTEX	<0.300 0.300		01/16/2021	ND					
Surrogate: 4-Bromofluorobenzene (PID	TD 100 % 73.3-12		9						
Chloride, SM4500Cl-B	mg,	/kg	Analyze	d By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	80.0	16.0	01/14/2021	ND	416	104	400	0.00	
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/14/2021	ND	220	110	200	1.44	
DRO >C10-C28*	<10.0	10.0	01/14/2021	ND	225	112	200	0.270	
EXT DRO >C28-C36	<10.0	10.0	01/14/2021	ND					
Surrogate: 1-Chlorooctane	90.6	% 44.3-14	4						
Surrogate: 1-Chlorooctadecane	89.4	% 42.2-15	6						

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Analytical Results For:

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

Received: 01/13/2021 Reported: 01/18/2021

PARKWAY WEST SWD #1

Project Name: PA
Project Number: 49

RTFY 8021R

Project Location: DEVON - 32.635774-104.069381

Sampling Date: 01/08/2021

Sampling Type: Soil

Sampling Condition: Cool & Intact
Sample Received By: Jodi Henson

Sample ID: SOUTH WALL # 5 (H210085-10)

BIEX 8021B	mg	/кд	Anaiyze	ea By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/16/2021	ND	2.14	107	2.00	0.624	
Toluene*	<0.050	0.050	01/16/2021	ND	2.08	104	2.00	2.86	
Ethylbenzene*	<0.050	0.050	01/16/2021	ND	2.02	101	2.00	2.82	
Total Xylenes*	<0.150	0.150	01/16/2021	ND	5.91	98.4	6.00	2.61	
Total BTEX	<0.300 0.300		01/16/2021	ND					
Surrogate: 4-Bromofluorobenzene (PID	98.6 % 73.3-12		9						
Chloride, SM4500CI-B	mg	/kg	Analyze	ed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	112	16.0	01/14/2021	ND	416	104	400	0.00	
TPH 8015M	mg,	/kg	Analyze	ed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/14/2021	ND	220	110	200	1.44	
DRO >C10-C28*	<10.0	10.0	01/14/2021	ND	225	112	200	0.270	
EXT DRO >C28-C36	<10.0	10.0	01/14/2021	ND					
Surrogate: 1-Chlorooctane	95.0	% 44.3-14	4						
Surrogate: 1-Chlorooctadecane	92.9	% 42.2-15	6						

Analyzed By: MC

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Analytical Results For:

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

Received: 01/13/2021 Reported: 01/18/2021

Project Name: PARKWAY WEST SWD #1

Project Number: 49

Project Location: DEVON - 32.635774-104.069381

Sampling Date: 01/08/2021

Sampling Type: Soil

Sampling Condition: Cool & Intact
Sample Received By: Jodi Henson

Sample ID: SOUTH WALL #7 (H210085-11)

BTEX 8021B	mg	/kg	Analyze	ed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/16/2021	ND	2.14	107	2.00	0.624	
Toluene*	<0.050	0.050	01/16/2021	ND	2.08	104	2.00	2.86	
Ethylbenzene*	<0.050	0.050	01/16/2021	ND	2.02	101	2.00	2.82	
Total Xylenes*	<0.150	0.150	01/16/2021	ND	5.91	98.4	6.00	2.61	
Total BTEX	<0.300	0.300	01/16/2021	ND					
Surrogate: 4-Bromofluorobenzene (PID	100 % 73.3-129		9						
Chloride, SM4500CI-B	mg,	/kg	Analyze	ed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	96.0	16.0	01/14/2021	ND	416	104	400	0.00	
TPH 8015M	mg	/kg	Analyze	ed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/14/2021	ND	220	110	200	1.44	
DRO >C10-C28*	<10.0	10.0	01/14/2021	ND	225	112	200	0.270	
EXT DRO >C28-C36	<10.0	10.0	01/14/2021	ND					
Surrogate: 1-Chlorooctane	86.5	% 44.3-14	14						
Surrogate: 1-Chlorooctadecane	84.0	% 42.2-15	6						

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Analytical Results For:

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

Received: 01/13/2021 Reported: 01/18/2021

PARKWAY WEST SWD #1

Project Number: 49

Project Name:

RTFY 8021R

Project Location: DEVON - 32.635774-104.069381

Sampling Date: 01/08/2021

Sampling Type: Soil

Sampling Condition: Cool & Intact
Sample Received By: Jodi Henson

Sample ID: SOUTH WALL #8 (H210085-12)

B1EX 8021B	mg/	кg	Anaiyze	а ву: мѕ					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/16/2021	ND	2.14	107	2.00	0.624	
Toluene*	<0.050	0.050	01/16/2021	ND	2.08	104	2.00	2.86	
Ethylbenzene*	<0.050	0.050	01/16/2021	ND	2.02	101	2.00	2.82	
Total Xylenes*	<0.150	0.150	01/16/2021	ND	5.91	98.4	6.00	2.61	
Total BTEX	<0.300 0.300		01/16/2021	ND					
Surrogate: 4-Bromofluorobenzene (PID	98.7 % 73.3-129		9						
Chloride, SM4500Cl-B	de, SM4500Cl-B mg/kg		Analyze	d By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	80.0	16.0	01/14/2021	ND	416	104	400	0.00	
TPH 8015M	mg/	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/14/2021	ND	220	110	200	1.44	
DRO >C10-C28*	<10.0	10.0	01/14/2021	ND	225	112	200	0.270	
EXT DRO >C28-C36	<10.0	10.0	01/14/2021	ND					
Surrogate: 1-Chlorooctane	81.3	% 44.3-14	4						
Surrogate: 1-Chlorooctadecane	77.6	% 42.2-15	6						

Analyzed By: MC

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Notes and Definitions

ND Analyte NOT DETECTED at or above the reporting limit

RPD Relative Percent Difference

** Samples not received at proper temperature of 6°C or below.

*** Insufficient time to reach temperature.

Chloride by SM4500Cl-B does not require samples be received at or below 6°C

Samples reported on an as received basis (wet) unless otherwise noted on report

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8:39:18 AM

Page 15 of 16

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

101 East Marland, Hobbs, NM 88240 (575) 393-2326 FAX (575) 393-2476

Company Name	8: Pima Environmental									BI	LL	TO						AN	ALY	SIS	REC	QUE	ST			
Project Manage	Gol N. Turner Ste 500							P.(0. #:	20	980	105	19					T		\top						
Address: 160	1 N. Turner Ste 500									any:				1												
City: Hobb		Zip	: 8	82	40								ren	1												
Phone #: 57	5-631-6977 Fax#:								dres					1												
Project #: 4º	Project Owne	r:	E	Dev	or	١.		Cit	v:																	
Project Name:	Parkway Watswo Parku	naLU	10	03f	_ <	SWY	0		ate:		Zip:															
Project Locatio	n: 120104	7		-					one																	
Sampler Name:									x #:																	
FOR LAB USE ONLY	1 Die 20110 2	Т			N	ATRI	х		PRE	SERV.		SAME	PLING	1												
Lab I.D. H210085	Sample I.D.	(G)RAB.OR (C)OMP	# CONTAINERS	GROUNDWATER	WASTEWATER	SOIL	SLUDGE	OTHER:	ACID/BASE:	ICE / COOL OTHER:	DA	ATE	TIME	TPH EX	BTBY	111	Chlaride									
1	East wall #4	0				X				X	1=8	16-1	10:00	-	-											
3	East wall #4 South Wall #4 East war #1	1				1				1			10:10	L.	1		1									\perp
3	East way 41	П	Ш										9200				1			_	_					\perp
4	Sowen Wall	П	Ш		-	1							9:10	Ш			1		1	1	_					\perp
36	East Wall 42	Н	Ш	Н		1							9:20	Н			11	-	1	_	_					\perp
6	South Wall H2	Н	Н		4	1							9:30	1			1	-	-	_	-		_		-	\perp
	Gast Wall #3	Н	Н	Н		1	-			H	1		9:40	\vdash			1	-	+	+	-	_			-	+
08	South Wall #3	1	Н		-	-		-		\Box	1		9:50	\vdash	-		#	-	+	+	+		-	-	-	+
9 South	South Wall 45		Н		+			-	1				10:20	1	1		-	+	-	+	+	-			-	
PLEASE NOTE: Liability ar	nd Darmages. Cardinal's liability and client's exclusive remedy for a	ny clain	n arişin	g whet	ther bar	ed in co	ntract	or tort	shall b	be limited t	o the amo	ount paid	by the client for t	the	-	_	1									

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Relinquished By:	Date: /-/3-2/ Time: 4:45	Received By:	yon	Verbal Result: Y		d'I Phone #: Email address:
Relinquished By.	Date:	Received By:		REMARKS:		,
Delivered By: (Circle One) Sampler - UPS - Bus - Other:	Observed Temp. °C	3.1 Sample Condition Cool Intact Yes Yes No No	CHECKED BY:	Turnaround Time: Thermometer ID #113 Correction Factor None	Standard Rush	Bacteria (only) Sample Condition Cool Intact Observed Temp. °C Yes Yes No No Corrected Temp. °C

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

101 East Marland, Hobbs, NM 88240

	(575) 393-2326 FAX		6			_		_	1888	1000	888	DII	LL TO						NAL	YSIS	REC	QUES	T		
Company Name:	Pina Envior	nmoutd						-	-	0.4				ma				Ť							
Project Manager:									P.O. #: 208 908				-	717				- 1							
Address: 1601 N. Turner 5 to 500						Company: Devon																			
City: / Jahl		State: NM Z	ip:		80	<i>04</i> 1	0		Attn: Wes Mathew				Mathe	ws											
Phone #: 525	- 1031- L977 F	Fax #:							Ad	idre	ss:														
Project #: 4	4 F	Project Owner:	0	gr	2				Ci	ty:															
Project Warner D	ark way West s	SWY							St	ate:			Zip:												
Project Name. V	ark way was	54.7							Př	none	e #:														
Project Location:		-							Fa	ax #:	:				在女										
Sampler Name:	Gio Gome		Т			M	ATRI	X		PR	RESE	ERV.	SAME	PLING	TO		12								
FOR DAB USE ONE.			MP		~											×	3								
Lab I.D.	Sample I.D).	(G)RAB OR (C)ON	# CONTAINERS	GROUNDWATER	WASTEWATER	SOIL	SLUDGE	OTHER:	ACID/BASE:	ICE / COOL	OTHER:	DATE	TIME	TPW	15/2	chloral								
H210085	C 11 11	40	C	#	0	5	1) 0,) (1	K		1-8-21	11:00	V	V	x		10						
11	South wall	14cm	0			7	3	+		1	1	-	-	11:10	X	+	4							-	
1.7	Sower war	-8		H		Ť		+	$^{+}$		1														_
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				\vdash			-	+	+	+	+	+													
	d Damages, Cardinal's liability and client	r	v clair	m arisi	ing whe	ether b	ased in	contr	act or t	lort, sh	all be	Smited	to the amount p	aid by the client for	or the	-							1		
analyses. All claims including	ng those for negligence and any other car	suse wildiscever strain be di	- Marine	45-3	tofice b	ha serimon	ee intarr	nuntina	ne Ines	s of use	e or lo	loss of p	profits incurred by	y client, its subsidi	iaries.	ble.									
service. In no event shall Cr affiliates or successors arisin	ardinal be liable for incidental or consequing out of or related to the performance of	of services hereunder by Ca	ardinal	l, rega	ardless	of whe	ether su	ch cla	im is b	esed u	upon a	arry of th	he above stated	Vorbal P	neult.	ПУ	es 🗆	No	Add'l	Phone	e #:		-1		
Relinquished By	-/-	J-13-21	Re									0		All Result	ts are e	mailed	i. Pleas	e prov	ide Em	ail add	dress:		ï		
rat	ag	4:45 Date:	R	10	ived	Bv:	-	*	0					REMARK	(S:										

Relinquished By: Time: Bacteria (only) Sample Condition Standard CHECKED BY: Turnaround Time: Sample Condition Observed Temp. °C Observed Temp. °C < Cool Intact Rush Delivered By: (Circle One) Cool Intact
Yes Yes
No No Yes Yes
No No

Sampler - UPS - Bus - Other:

Corrected Temp. °C

Thermometer ID #113

Correction Factor None

Corrected Temp. °C

Page 16 of 16

[†] Cardinal cannot accept verbal changes. Rease email changes to celey.keene@cardinallabsnm.com

Environment Testing America

ANALYTICAL REPORT

Eurofins Xenco, Carlsbad 1089 N Canal St. Carlsbad, NM 88220 Tel: (575)988-3199

Laboratory Job ID: 890-716-1

Client Project/Site: Mizar 11 Fed Com 14

Eor.

EOR/Ridgeway Arizona Oil Corp 575 N Diairy Ashford Suite 210 Houston, Texas 77079

Attn: Chris Jones

Holly Taylor

Authorized for release by: 5/28/2021 4:44:39 PM

Holly Taylor, Project Manager (806)794-1296

holly.taylor@eurofinset.com

-----LINKS

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Released to Imaging: 2/2/2023 8:12:44 AM

This report has been electronically signed and authorized by the signatory. Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.

Results relate only to the items tested and the sample(s) as received by the laboratory.

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Н

Client: EOR/Ridgeway Arizona Oil Corp Project/Site: Mizar 11 Fed Com 14 Laboratory Job ID: 890-716-1

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10

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13

14

Definitions/Glossary

Client: EOR/Ridgeway Arizona Oil Corp Job ID: 890-716-1 Project/Site: Mizar 11 Fed Com 14

Qualifiers

GC	VOA
Ousl	ifior

Qualifier	Qualifier Description
В	Compound was found in the blank and sample.
F1	MS and/or MSD recovery exceeds control limits.
F2	MS/MSD RPD exceeds control limits
S1-	Surrogate recovery exceeds control limits, low biased.
S1+	Surrogate recovery exceeds control limits, high biased.
U	Indicates the analyte was analyzed for but not detected.

GC Semi VOA

Qualifier	Qualifier Description
S1-	Surrogate recovery exceeds control limits, low biased.
S1+	Surrogate recovery exceeds control limits, high biased.
U	Indicates the analyte was analyzed for but not detected.

U	Indicates the analyte was analyzed for but not detected.
HPLC/IC	
Qualifier	Qualifier Description

Indicates the analyte was analyzed for but not detected.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
¤	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CFU	Colony Forming Unit
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DI	Detection Limit (DoD/DOE)

DL,	ĸА,	κ⊑,	IIN

RE, IN	Indicates a Dilution,	Re-analysis.	, Re-extraction,	OI

DL, RA, RE, IN Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion ana	lysis of the sample
---	---------------------

DLC	Decision Level Concentration	(Radiochemistry)

EDL	Estimated Detection Limit (Dioxin
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)

IVICL	EFA recommended Maximum Contaminant Level
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDI	Mothed Detection Limit

MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
MQL	Method Quantitation Limit

NC Not Calculated

ND Not Detected at the reporting limit (or MDL or EDL if shown)

NEG Negative / Absent POS Positive / Present PQL

Practical Quantitation Limit

PRES Presumptive QC **Quality Control**

RER Relative Error Ratio (Radiochemistry)

RL Reporting Limit or Requested Limit (Radiochemistry)

RPD Relative Percent Difference, a measure of the relative difference between two points

TEF Toxicity Equivalent Factor (Dioxin) TEQ Toxicity Equivalent Quotient (Dioxin)

TNTC Too Numerous To Count

Eurofins Xenco, Carlsbad

Case Narrative

Client: EOR/Ridgeway Arizona Oil Corp Project/Site: Mizar 11 Fed Com 14 Job ID: 890-716-1

Job ID: 890-716-1

Laboratory: Eurofins Xenco, Carlsbad

Narrative

Job Narrative 890-716-1

Receipt

The samples were received on 5/21/2021 1:48 PM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice.

Receipt Exceptions

The following samples analyzed for method 8021 were received and analyzed from an unpreserved bulk soil jar: CS1-Surface (890-716-1), CS1-1' (890-716-2), CS2-Surface (890-716-3), CS2-1' (890-716-4), CS3-Surface (890-716-5), CS3-1' (890-716-6), CS4-Surface (890-716-7), CS4-1' (890-716-8), CS5-Surface (890-716-9), CS5-1' (890-716-10), CS6-Surface (890-716-11), CS6-1' (890-716-12), CS7-Surface (890-716-13), CS7-1' (890-716-14), CS8-Surface (890-716-15), CS8-1' (890-716-16), CS9-urface (890-716-17), CS9-1' (890-716-18), CS10-Surface (890-716-19), CS10-1' (890-716-20), CS11-Surface (890-716-21), CS11-1' (890-716-22), CS12-Surface (890-716-23), CS12-1' (890-716-24), CS13-Surface (890-716-25), CS13-1' (890-716-26), CS14-Surface (890-716-27), CS14-1' (890-716-28), CS15-Surface (890-716-29), CS15-1' (890-716-30), CS16-Surface (890-716-31), CS16-1' (890-716-32), CS17-Surface (890-716-33), CS17-1' (890-716-34), CS18-Surface (890-716-35), CS18-1' (890-716-36), CS19-Surface (890-716-37), CS19-1' (890-716-38), CS20-Surface (890-716-39), CS21-Surface (890-716-41), CS21-1' (890-716-42), CS22-Surface (890-716-43), CS22-1' (890-716-44), CS23-Surface (890-716-45) and CS23-1' (890-716-46). Btex8021

The following samples were received at the laboratory without a sample collection time documented on the chain of custody: CS1-Surface (890-716-1), CS1-1' (890-716-2), CS2-Surface (890-716-3), CS2-1' (890-716-4), CS3-Surface (890-716-5), CS3-1' (890-716-6), CS4-Surface (890-716-7), CS4-1' (890-716-8), CS5-Surface (890-716-9), CS5-1' (890-716-10), CS6-Surface (890-716-11), CS6-1' (890-716-12), CS7-Surface (890-716-13), CS7-1' (890-716-14), CS8-Surface (890-716-15), CS8-1' (890-716-16), CS9-urface (890-716-17), CS9-1' (890-716-18), CS10-Surface (890-716-19), CS10-1' (890-716-20), CS11-Surface (890-716-21), CS11-1' (890-716-22), CS12-Surface (890-716-23), CS12-1' (890-716-24), CS13-Surface (890-716-25), CS13-1' (890-716-26), CS14-Surface (890-716-31), CS16-1' (890-716-32), CS17-Surface (890-716-33), CS17-1' (890-716-34), CS18-Surface (890-716-35), CS18-1' (890-716-36), CS19-Surface (890-716-37), CS19-1' (890-716-38), CS20-Surface (890-716-39), CS21-Surface (890-716-41), CS21-1' (890-716-42), CS22-Surface (890-716-43), CS22-1' (890-716-44), CS23-Surface (890-716-45) and CS23-1' (890-716-46). The client was contacted, and the laboratory was instructed to use a sample collection time of 12:00am. Samples logged as 00:00

GC VOA

Method 8021B: Surrogate recovery for the following sample was outside control limits: CS7-1' (890-716-14). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

Method 8021B: The continuing calibration verification (CCV) associated with batch 880-3388 recovered under the control limit for Benzene. The samples associated with this CCV were non-detects for the affected analytes; therefore, the data have been reported.

Method 8021B: Internal standard responses were outside of acceptance limits for the following sample: CS22-Surface (890-716-43). The sample(s) shows evidence of matrix interference.

Method 8021B: Surrogate recovery for the following samples were outside control limits: CS11-1' (890-716-22), CS12-1' (890-716-24), CS13-1' (890-716-26), CS14-Surface (890-716-27), CS14-1' (890-716-28) and CS15-1' (890-716-30). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

Method 8021B: Internal standard responses were outside of acceptance limits for the following samples: CS22-1' (890-716-44) and CS23-1' (890-716-46). The sample(s) shows evidence of matrix interference.

Method 8021B: Surrogate recovery for the following samples were outside control limits: CS22-1' (890-716-44) and CS23-1' (890-716-46). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

Method 8021B: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for preparation batch 880-3457 and analytical batch

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Case Narrative

Client: EOR/Ridgeway Arizona Oil Corp Project/Site: Mizar 11 Fed Com 14 Job ID: 890-716-1

Job ID: 890-716-1 (Continued)

Laboratory: Eurofins Xenco, Carlsbad (Continued)

880-3460 were outside control limits. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample (LCS) recovery was within acceptance limits.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

GC Semi VOA

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

HPLC/IC

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

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Client Sample Results

Client: EOR/Ridgeway Arizona Oil Corp

Client Sample ID: CS1-Surface

Job ID: 890-716-1

Project/Site: Mizar 11 Fed Com 14

Lab Sample ID: 890-716-1

Matrix: Solid

Date Collected: 05/21/21 00:00 Date Received: 05/21/21 13:48

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00202	U F1 F2	0.00202	mg/Kg		05/24/21 09:50	05/24/21 23:13	1
Toluene	<0.00202	U F1	0.00202	mg/Kg		05/24/21 09:50	05/24/21 23:13	1
Ethylbenzene	<0.00202	U F1	0.00202	mg/Kg		05/24/21 09:50	05/24/21 23:13	1
m-Xylene & p-Xylene	<0.00403	U F1	0.00403	mg/Kg		05/24/21 09:50	05/24/21 23:13	1
o-Xylene	<0.00202	U F1	0.00202	mg/Kg		05/24/21 09:50	05/24/21 23:13	1
Xylenes, Total	<0.00403	U F1	0.00403	mg/Kg		05/24/21 09:50	05/24/21 23:13	1
Total BTEX	<0.00403	U F1 F2	0.00403	mg/Kg		05/24/21 09:50	05/24/21 23:13	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	91		70 - 130			05/24/21 09:50	05/24/21 23:13	1
1,4-Difluorobenzene (Surr)	98		70 - 130			05/24/21 09:50	05/24/21 23:13	1
Method: 8015B NM - Diesel Rang Analyte	•	RO) (GC) Qualifier	RL	Unit	<u>D</u>	Prepared	Analyzed	Dil Fac
: Method: 8015B NM - Diesel Rang	ge Organics (Di	RO) (GC)						
Analyte	Result	Qualifier			<u>D</u>			
Analyte Gasoline Range Organics	•	Qualifier	RL 49.9	Unit mg/Kg	<u>D</u>	Prepared 05/25/21 08:49	Analyzed 05/26/21 00:12	Dil Fac
Analyte	Result	Qualifier U			<u>D</u>			
Analyte Gasoline Range Organics (GRO)-C6-C10	Result <49.9	Qualifier U	49.9	mg/Kg	<u>D</u>	05/25/21 08:49	05/26/21 00:12	1
Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over	Result <49.9	Qualifier U	49.9	mg/Kg	<u>D</u>	05/25/21 08:49	05/26/21 00:12	1
Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28)	Result <49.9 <49.9	Qualifier U U	49.9	mg/Kg	<u>D</u>	05/25/21 08:49 05/25/21 08:49	05/26/21 00:12 05/26/21 00:12	1
Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Oll Range Organics (Over C28-C36)	Result <49.9 <49.9 <49.9	Qualifier U U U U	49.9 49.9 49.9	mg/Kg mg/Kg mg/Kg	<u>D</u>	05/25/21 08:49 05/25/21 08:49 05/25/21 08:49	05/26/21 00:12 05/26/21 00:12 05/26/21 00:12	1 1
Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) OII Range Organics (Over C28-C36) Total TPH	Result <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49	Qualifier U U U U	49.9 49.9 49.9 49.9	mg/Kg mg/Kg mg/Kg	<u>D</u>	05/25/21 08:49 05/25/21 08:49 05/25/21 08:49 05/25/21 08:49	05/26/21 00:12 05/26/21 00:12 05/26/21 00:12 05/26/21 00:12	1 1 1
Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) OII Range Organics (Over C28-C36) Total TPH	Result <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 %Recovery	Qualifier U U U U	49.9 49.9 49.9 49.9 Limits	mg/Kg mg/Kg mg/Kg	<u>D</u>	05/25/21 08:49 05/25/21 08:49 05/25/21 08:49 05/25/21 08:49 Prepared	05/26/21 00:12 05/26/21 00:12 05/26/21 00:12 05/26/21 00:12 Analyzed	1 1 1 1 1 Dil Fac
Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) OII Range Organics (Over C28-C36) Total TPH Surrogate 1-Chlorooctane	Result	Qualifier U U U Qualifier	49.9 49.9 49.9 49.9 Limits 70 - 130	mg/Kg mg/Kg mg/Kg	<u>D</u>	05/25/21 08:49 05/25/21 08:49 05/25/21 08:49 05/25/21 08:49 Prepared 05/25/21 08:49	05/26/21 00:12 05/26/21 00:12 05/26/21 00:12 05/26/21 00:12 Analyzed 05/26/21 00:12	1 1 1 1 1 Dil Fac
Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) OII Range Organics (Over C28-C36) Total TPH Surrogate 1-Chlorooctane o-Terphenyl	Result	Qualifier U U U Qualifier	49.9 49.9 49.9 49.9 Limits 70 - 130	mg/Kg mg/Kg mg/Kg	<u>D</u>	05/25/21 08:49 05/25/21 08:49 05/25/21 08:49 05/25/21 08:49 Prepared 05/25/21 08:49	05/26/21 00:12 05/26/21 00:12 05/26/21 00:12 05/26/21 00:12 Analyzed 05/26/21 00:12	1 1 1 1 1 Dil Fac

Client Sample ID: CS1-1' Lab Sample ID: 890-716-2 Date Collected: 05/21/21 00:00 **Matrix: Solid**

Date Received: 05/21/21 13:48

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201	mg/Kg		05/24/21 09:50	05/24/21 23:34	1
Toluene	<0.00201	U	0.00201	mg/Kg		05/24/21 09:50	05/24/21 23:34	1
Ethylbenzene	<0.00201	U	0.00201	mg/Kg		05/24/21 09:50	05/24/21 23:34	1
m-Xylene & p-Xylene	<0.00402	U	0.00402	mg/Kg		05/24/21 09:50	05/24/21 23:34	1
o-Xylene	<0.00201	U	0.00201	mg/Kg		05/24/21 09:50	05/24/21 23:34	1
Xylenes, Total	<0.00402	U	0.00402	mg/Kg		05/24/21 09:50	05/24/21 23:34	1
Total BTEX	<0.00402	U	0.00402	mg/Kg		05/24/21 09:50	05/24/21 23:34	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	96		70 - 130			05/24/21 09:50	05/24/21 23:34	1
1,4-Difluorobenzene (Surr)	100		70 - 130			05/24/21 09:50	05/24/21 23:34	1
Method: 8015B NM - Diesel R	ange Organics (D	RO) (GC)						
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	49.8	mg/Kg		05/25/21 08:49	05/26/21 01:15	1

Eurofins Xenco, Carlsbad

Client: EOR/Ridgeway Arizona Oil Corp

Job ID: 890-716-1

05/26/21 20:41

Project/Site: Mizar 11 Fed Com 14

Chloride

Client Sample ID: CS1-1' Lab Sample ID: 890-716-2

Date Collected: 05/21/21 00:00 Matrix: Solid Date Received: 05/21/21 13:48

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics (Over	<49.8	U	49.8	mg/Kg		05/25/21 08:49	05/26/21 01:15	1
C10-C28)								
Oll Range Organics (Over C28-C36)	<49.8	U	49.8	mg/Kg		05/25/21 08:49	05/26/21 01:15	1
Total TPH	<49.8	U	49.8	mg/Kg		05/25/21 08:49	05/26/21 01:15	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane	110		70 - 130			05/25/21 08:49	05/26/21 01:15	1
o-Terphenyl	97		70 - 130			05/25/21 08:49	05/26/21 01:15	1
- -								
Method: 300.0 - Anions, Ion Chro	matography -	Soluble						
		Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac

Client Sample ID: CS2-Surface Lab Sample ID: 890-716-3 Matrix: Solid

5.03

mg/Kg

Date Collected: 05/21/21 00:00 Date Received: 05/21/21 13:48

<5.03 U

102

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199	mg/Kg		05/24/21 09:50	05/24/21 23:54	1
Toluene	<0.00199	U	0.00199	mg/Kg		05/24/21 09:50	05/24/21 23:54	1
Ethylbenzene	<0.00199	U	0.00199	mg/Kg		05/24/21 09:50	05/24/21 23:54	1
m-Xylene & p-Xylene	<0.00398	U	0.00398	mg/Kg		05/24/21 09:50	05/24/21 23:54	1
o-Xylene	<0.00199	U	0.00199	mg/Kg		05/24/21 09:50	05/24/21 23:54	1
Xylenes, Total	<0.00398	U	0.00398	mg/Kg		05/24/21 09:50	05/24/21 23:54	1
Total BTEX	<0.00398	U	0.00398	mg/Kg		05/24/21 09:50	05/24/21 23:54	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	90		70 - 130			05/24/21 09:50	05/24/21 23:54	1
1,4-Difluorobenzene (Surr)	97		70 - 130			05/24/21 09:50	05/24/21 23:54	1
Method: 8015B NM - Diesel Rang	ge Organics (D	RO) (GC)						
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	49.8	mg/Kg		05/25/21 08:49	05/26/21 01:37	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8	mg/Kg		05/25/21 08:49	05/26/21 01:37	1
Oll Range Organics (Over C28-C36)	<49.8	U	49.8	mg/Kg		05/25/21 08:49	05/26/21 01:37	1
Total TPH	<49.8	U	49.8	mg/Kg		05/25/21 08:49	05/26/21 01:37	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane	116		70 - 130			05/25/21 08:49	05/26/21 01:37	

Method: 300.0 - Anions, Ion Chrom	natography - Soluble						
Analyte	Result Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<5.05 U	5.05	mg/Kg			05/26/21 20:46	1

70 - 130

Eurofins Xenco, Carlsbad

05/26/21 01:37

05/25/21 08:49

o-Terphenyl

Job ID: 890-716-1

Client: EOR/Ridgeway Arizona Oil Corp Project/Site: Mizar 11 Fed Com 14

Client Sample ID: CS2-1'

Lab Sample ID: 890-716-4 Matrix: Solid

Date Collected: 05/21/21 00:00 Date Received: 05/21/21 13:48

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	mg/Kg		05/24/21 09:50	05/25/21 00:15	1
Toluene	<0.00200	U	0.00200	mg/Kg		05/24/21 09:50	05/25/21 00:15	1
Ethylbenzene	<0.00200	U	0.00200	mg/Kg		05/24/21 09:50	05/25/21 00:15	1
m-Xylene & p-Xylene	<0.00401	U	0.00401	mg/Kg		05/24/21 09:50	05/25/21 00:15	1
o-Xylene	<0.00200	U	0.00200	mg/Kg		05/24/21 09:50	05/25/21 00:15	1
Xylenes, Total	<0.00401	U	0.00401	mg/Kg		05/24/21 09:50	05/25/21 00:15	1
Total BTEX	<0.00401	U	0.00401	mg/Kg		05/24/21 09:50	05/25/21 00:15	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	89		70 - 130			05/24/21 09:50	05/25/21 00:15	1
1,4-Difluorobenzene (Surr)	94		70 - 130			05/24/21 09:50	05/25/21 00:15	1
Method: 8015B NM - Diesel Ran	ge Organics (Di	RO) (GC)						
, , , , , , , , , , , , , , , , , , , ,								
	Result	Qualifier	RL	Unit	<u>D</u>	Prepared	Analyzed	Dil Fac
Method: 8015B NM - Diesel Rang Analyte Gasoline Range Organics	• • •	Qualifier		Unit mg/Kg	<u>D</u>			Dil Fac
Method: 8015B NM - Diesel Rang Analyte Gasoline Range Organics (GRO)-C6-C10	Result <49.9	Qualifier U	RL 49.9	mg/Kg	<u>D</u>	Prepared 05/25/21 08:49	Analyzed 05/26/21 01:57	1
Method: 8015B NM - Diesel Rang Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over	Result	Qualifier U	RL		<u>D</u>	Prepared	Analyzed	
Method: 8015B NM - Diesel Rang Analyte Gasoline Range Organics (GRO)-C6-C10	Result <49.9	Qualifier U	RL 49.9	mg/Kg	<u>D</u>	Prepared 05/25/21 08:49	Analyzed 05/26/21 01:57	1
Method: 8015B NM - Diesel Rang Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28)	Result <49.9	Qualifier U U U	RL 49.9	mg/Kg	<u>D</u>	Prepared 05/25/21 08:49 05/25/21 08:49	Analyzed 05/26/21 01:57	1
Method: 8015B NM - Diesel Rang Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Oll Range Organics (Over C28-C36)	Result <49.9 <49.9 <49.9	Qualifier U U U U	RL 49.9 49.9 49.9	mg/Kg mg/Kg mg/Kg	<u>D</u>	Prepared 05/25/21 08:49 05/25/21 08:49 05/25/21 08:49	Analyzed 05/26/21 01:57 05/26/21 01:57 05/26/21 01:57	1 1 1
Method: 8015B NM - Diesel Rang Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Oll Range Organics (Over C28-C36) Total TPH	Result <49.9 <49.9 <49.9 <49.9	Qualifier U U U U	RL 49.9 49.9 49.9 49.9	mg/Kg mg/Kg mg/Kg	<u>D</u>	Prepared 05/25/21 08:49 05/25/21 08:49 05/25/21 08:49 05/25/21 08:49	Analyzed 05/26/21 01:57 05/26/21 01:57 05/26/21 01:57 05/26/21 01:57	1 11
Method: 8015B NM - Diesel Rang Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) OII Range Organics (Over C28-C36) Total TPH Surrogate	Result	Qualifier U U U U	RL 49.9 49.9 49.9 49.9 <i>Limits</i>	mg/Kg mg/Kg mg/Kg	<u>D</u>	Prepared 05/25/21 08:49 05/25/21 08:49 05/25/21 08:49 05/25/21 08:49 Prepared	Analyzed 05/26/21 01:57 05/26/21 01:57 05/26/21 01:57 05/26/21 01:57 Analyzed	1 1 1 1 1 1 Dil Fac
Method: 8015B NM - Diesel Rang Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) OII Range Organics (Over C28-C36) Total TPH Surrogate 1-Chlorooctane	Result	Qualifier U U U Qualifier	RL 49.9 49.9 49.9 49.9 Limits 70 - 130	mg/Kg mg/Kg mg/Kg	<u> </u>	Prepared 05/25/21 08:49 05/25/21 08:49 05/25/21 08:49 05/25/21 08:49 Prepared 05/25/21 08:49	Analyzed 05/26/21 01:57 05/26/21 01:57 05/26/21 01:57 05/26/21 01:57 Analyzed 05/26/21 01:57	1 1 1 1 1 1 1 Dil Fac

Client Sample ID: CS3-Surface Lab Sample ID: 890-716-5 Date Collected: 05/21/21 00:00 **Matrix: Solid**

5.68

5.02

mg/Kg

Date Received: 05/21/21 13:48

Chloride

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199	mg/Kg		05/24/21 09:50	05/25/21 00:35	1
Toluene	<0.00199	U	0.00199	mg/Kg		05/24/21 09:50	05/25/21 00:35	1
Ethylbenzene	<0.00199	U	0.00199	mg/Kg		05/24/21 09:50	05/25/21 00:35	1
m-Xylene & p-Xylene	<0.00398	U	0.00398	mg/Kg		05/24/21 09:50	05/25/21 00:35	1
o-Xylene	<0.00199	U	0.00199	mg/Kg		05/24/21 09:50	05/25/21 00:35	1
Xylenes, Total	<0.00398	U	0.00398	mg/Kg		05/24/21 09:50	05/25/21 00:35	1
Total BTEX	<0.00398	U	0.00398	mg/Kg		05/24/21 09:50	05/25/21 00:35	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	93		70 - 130			05/24/21 09:50	05/25/21 00:35	1
1,4-Difluorobenzene (Surr)	97		70 - 130			05/24/21 09:50	05/25/21 00:35	1
Method: 8015B NM - Diesel Ra	ange Organics (D	RO) (GC)						
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	49.8	mg/Kg		05/25/21 08:49	05/26/21 02:19	1

05/26/21 21:00

Client: EOR/Ridgeway Arizona Oil Corp

Client Sample ID: CS3-Surface

Job ID: 890-716-1

Project/Site: Mizar 11 Fed Com 14

Lab Sample ID: 890-716-5

Matrix: Solid

Date Collected: 05/21/21 00:00 Date Received: 05/21/21 13:48

Method: 8015B NM - Diesel Range Organics (DRO) (GC) (Continued)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics (Over	<49.8	U	49.8	mg/Kg		05/25/21 08:49	05/26/21 02:19	1
C10-C28)								
Oll Range Organics (Over C28-C36)	<49.8	U	49.8	mg/Kg		05/25/21 08:49	05/26/21 02:19	1
Total TPH	<49.8	U	49.8	mg/Kg		05/25/21 08:49	05/26/21 02:19	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane	112		70 - 130			05/25/21 08:49	05/26/21 02:19	1

Method: 300.0 - Anions, Ion Chromatogra	phy - Soluble				
o-Terphenyl	98	70 - 130	05/25/21 08:49	05/26/21 02:19	1
1-Chlorooctane	112	70 - 130	05/25/21 08:49	05/26/21 02:19	7

Analyte Result Qualifier RL Unit Prepared D Analyzed Chloride <5.35 U 5.35 05/26/21 21:05 mg/Kg Client Sample ID: CS3-1'

Date Collected: 05/21/21 00:00

Lab Sample ID: 890-716-6

Matrix: Solid

Date Received: 05/21/21 13:48

Method: 8021B - Volatile Or	ganic Compounds (G	GC)						
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	mg/Kg		05/24/21 09:50	05/25/21 00:55	1
Toluene	<0.00200	U	0.00200	mg/Kg		05/24/21 09:50	05/25/21 00:55	1
Ethylbenzene	<0.00200	U	0.00200	mg/Kg		05/24/21 09:50	05/25/21 00:55	1
m-Xylene & p-Xylene	<0.00400	U	0.00400	mg/Kg		05/24/21 09:50	05/25/21 00:55	1
o-Xylene	<0.00200	U	0.00200	mg/Kg		05/24/21 09:50	05/25/21 00:55	1
Xylenes, Total	<0.00400	U	0.00400	mg/Kg		05/24/21 09:50	05/25/21 00:55	1
Total BTEX	<0.00400	U	0.00400	mg/Kg		05/24/21 09:50	05/25/21 00:55	1

Surrogate	%Recovery Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	87	70 - 130	05/24/21 09:50	05/25/21 00:55	1
1,4-Difluorobenzene (Surr)	94	70 - 130	05/24/21 09:50	05/25/21 00:55	1

Method: 8015B NM - Diesel Rang	ge Organics (D	RO) (GC)						
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics	<49.9	U	49.9	mg/Kg		05/25/21 08:49	05/26/21 02:40	1
(GRO)-C6-C10								
Diesel Range Organics (Over	<49.9	U	49.9	mg/Kg		05/25/21 08:49	05/26/21 02:40	1
C10-C28)								
Oll Range Organics (Over C28-C36)	<49.9	U	49.9	mg/Kg		05/25/21 08:49	05/26/21 02:40	1
Total TPH	<49.9	U	49.9	mg/Kg		05/25/21 08:49	05/26/21 02:40	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane	115		70 - 130			05/25/21 08:49	05/26/21 02:40	1
o-Terphenyl	99		70 - 130			05/25/21 08:49	05/26/21 02:40	1

Method: 300.0 - Anions, Ion Chron	natography - Soluble							
Analyte	Result Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac	
Chloride	5 71	4 97	ma/Ka			05/26/21 21:10		

Client: EOR/Ridgeway Arizona Oil Corp

Job ID: 890-716-1

Project/Site: Mizar 11 Fed Com 14

Client Sample ID: CS4-Surface

Date Collected: 05/21/21 00:00 Date Received: 05/21/21 13:48

Lab Sample ID: 890-716-7

05/25/21 08:49

05/26/21 03:01

Matrix: Solid

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	mg/Kg		05/24/21 09:50	05/25/21 01:16	1
Toluene	<0.00200	U	0.00200	mg/Kg		05/24/21 09:50	05/25/21 01:16	1
Ethylbenzene	<0.00200	U	0.00200	mg/Kg		05/24/21 09:50	05/25/21 01:16	1
m-Xylene & p-Xylene	<0.00400	U	0.00400	mg/Kg		05/24/21 09:50	05/25/21 01:16	1
o-Xylene	<0.00200	U	0.00200	mg/Kg		05/24/21 09:50	05/25/21 01:16	1
Xylenes, Total	<0.00400	U	0.00400	mg/Kg		05/24/21 09:50	05/25/21 01:16	1
Total BTEX	<0.00400	U	0.00400	mg/Kg		05/24/21 09:50	05/25/21 01:16	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	85	-	70 - 130			05/24/21 09:50	05/25/21 01:16	1
1,4-Difluorobenzene (Surr)	100		70 - 130			05/24/21 09:50	05/25/21 01:16	1

Analyte Result Qualifier RL Unit Prepared Analyzed Dil Fac Gasoline Range Organics <50.0 U 50.0 mg/Kg 05/25/21 08:49 05/26/21 03:01 (GRO)-C6-C10 Diesel Range Organics (Over <50.0 U 50.0 mg/Kg 05/25/21 08:49 05/26/21 03:01 C10-C28) Oll Range Organics (Over C28-C36) <50.0 U 50.0 mg/Kg 05/25/21 08:49 05/26/21 03:01 Total TPH 05/26/21 03:01 <50.0 U 50.0 05/25/21 08:49 mg/Kg Surrogate %Recovery Qualifier Limits Prepared Analyzed Dil Fac 1-Chlorooctane 123 70 - 130 05/25/21 08:49 05/26/21 03:01

Method: 300.0 - Anions, Ion Chrom	natography - Soluble						
Analyte	Result Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<4.97 U	4.97	ma/Ka			05/26/21 21:15	1

70 - 130

Client Sample ID: CS4-1' Lab Sample ID: 890-716-8 Date Collected: 05/21/21 00:00 **Matrix: Solid**

Date Received: 05/21/21 13:48

Released to Imaging: 2/2/2023 8:12:44 AM

o-Terphenyl

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00198	U	0.00198	mg/Kg		05/24/21 09:50	05/25/21 01:36	1
Toluene	<0.00198	U	0.00198	mg/Kg		05/24/21 09:50	05/25/21 01:36	1
Ethylbenzene	<0.00198	U	0.00198	mg/Kg		05/24/21 09:50	05/25/21 01:36	1
m-Xylene & p-Xylene	<0.00396	U	0.00396	mg/Kg		05/24/21 09:50	05/25/21 01:36	1
o-Xylene	<0.00198	U	0.00198	mg/Kg		05/24/21 09:50	05/25/21 01:36	1
Xylenes, Total	< 0.00396	U	0.00396	mg/Kg		05/24/21 09:50	05/25/21 01:36	1
Total BTEX	<0.00396	U	0.00396	mg/Kg		05/24/21 09:50	05/25/21 01:36	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	84		70 - 130			05/24/21 09:50	05/25/21 01:36	1
1,4-Difluorobenzene (Surr)	94		70 - 130			05/24/21 09:50	05/25/21 01:36	1
- Method: 8015B NM - Diesel Ra	ange Organics (D	RO) (GC)						
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics	<49.9	U	49.9	mg/Kg		05/25/21 08:49	05/26/21 03:22	1

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107

Client: EOR/Ridgeway Arizona Oil Corp Project/Site: Mizar 11 Fed Com 14

Job ID: 890-716-1

Client Sample ID: CS4-1'

Lab Sample ID: 890-716-8

Matrix: Solid

Date Collected: 05/21/21 00:00 Date Received: 05/21/21 13:48

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9	mg/Kg		05/25/21 08:49	05/26/21 03:22	1
Oll Range Organics (Over C28-C36)	<49.9	U	49.9	mg/Kg		05/25/21 08:49	05/26/21 03:22	1
Total TPH	<49.9	U	49.9	mg/Kg		05/25/21 08:49	05/26/21 03:22	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane	113		70 - 130			05/25/21 08:49	05/26/21 03:22	1
o-Terphenyl	94		70 - 130			05/25/21 08:49	05/26/21 03:22	1
- Method: 300.0 - Anions, Ion Chro	omatography -	Soluble						
•		Qualifier	RL	Unit	D		Analyzed	Dil Fac

Client Sample ID: CS5-Surface Lab Sample ID: 890-716-9 Date Collected: 05/21/21 00:00

4.97

mg/Kg

5.21

Date Received: 05/21/21 13:48

Chloride

05/26/21 21:20

Matrix: Solid

Method: 8021B - Volatile Or	ganic Compounds (C	3G)						
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199	mg/Kg		05/24/21 09:50	05/25/21 01:57	1
Toluene	<0.00199	U	0.00199	mg/Kg		05/24/21 09:50	05/25/21 01:57	1
Ethylbenzene	<0.00199	U	0.00199	mg/Kg		05/24/21 09:50	05/25/21 01:57	1
m-Xylene & p-Xylene	<0.00398	U	0.00398	mg/Kg		05/24/21 09:50	05/25/21 01:57	1
o-Xylene	<0.00199	U	0.00199	mg/Kg		05/24/21 09:50	05/25/21 01:57	1
Xylenes, Total	<0.00398	U	0.00398	mg/Kg		05/24/21 09:50	05/25/21 01:57	1
Total BTEX	<0.00398	U	0.00398	mg/Kg		05/24/21 09:50	05/25/21 01:57	1

Surrogate	%Recovery Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	93	70 - 130	05/24/21 09:50	05/25/21 01:57	1
1,4-Difluorobenzene (Surr)	96	70 - 130	05/24/21 09:50	05/25/21 01:57	1

Method: 8015B	NM - Diesel	Range	Organics	(DRO)	(GC)

Method: 6015B MM - Diesei Rang	ge Organics (D	RU) (GC)						
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics	<50.0	U	50.0	mg/Kg		05/25/21 08:49	05/26/21 03:43	1
(GRO)-C6-C10								
Diesel Range Organics (Over	<50.0	U	50.0	mg/Kg		05/25/21 08:49	05/26/21 03:43	1
C10-C28)								
OII Range Organics (Over C28-C36)	<50.0	U	50.0	mg/Kg		05/25/21 08:49	05/26/21 03:43	1
Total TPH	<50.0	U	50.0	mg/Kg		05/25/21 08:49	05/26/21 03:43	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane	115		70 - 130			05/25/21 08:49	05/26/21 03:43	1
o-Ternhenyl	101		70 130			05/25/21 08:49	05/26/21 03:43	1

Method: 300.0 - Anions, Ion Chromatography - Soluble									
	Analyte	Result Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac	
	Chloride	<4.99 U	4.99	ma/Ka			05/26/21 21:25		

Client: EOR/Ridgeway Arizona Oil Corp Project/Site: Mizar 11 Fed Com 14

Job ID: 890-716-1

Client Sample ID: CS5-1'

Date Collected: 05/21/21 00:00 Date Received: 05/21/21 13:48

Lab Sample ID: 890-716-10

05/25/21 08:49

Prepared

05/25/21 08:49

05/26/21 04:04

Lab Sample ID: 890-716-11

Matrix: Solid

Matrix: Solid

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201	mg/Kg		05/24/21 09:50	05/25/21 02:17	1
Toluene	<0.00201	U	0.00201	mg/Kg		05/24/21 09:50	05/25/21 02:17	1
Ethylbenzene	<0.00201	U	0.00201	mg/Kg		05/24/21 09:50	05/25/21 02:17	1
m-Xylene & p-Xylene	<0.00402	U	0.00402	mg/Kg		05/24/21 09:50	05/25/21 02:17	1
o-Xylene	<0.00201	U	0.00201	mg/Kg		05/24/21 09:50	05/25/21 02:17	1
Xylenes, Total	<0.00402	U	0.00402	mg/Kg		05/24/21 09:50	05/25/21 02:17	1
Total BTEX	<0.00402	U	0.00402	mg/Kg		05/24/21 09:50	05/25/21 02:17	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	95	-	70 - 130			05/24/21 09:50	05/25/21 02:17	1
1,4-Difluorobenzene (Surr)	100		70 - 130			05/24/21 09:50	05/25/21 02:17	1

Method: 8015B NM - Diesel Range Organics (DRO) (GC) Analyte Result Qualifier RL Unit Prepared Analyzed Dil Fac <50.0 U Gasoline Range Organics 50.0 mg/Kg 05/25/21 08:49 05/26/21 04:04 (GRO)-C6-C10 Diesel Range Organics (Over <50.0 U 50.0 mg/Kg 05/25/21 08:49 05/26/21 04:04 C10-C28) Oll Range Organics (Over C28-C36) <50.0 U 50.0 mg/Kg 05/25/21 08:49 05/26/21 04:04 Total TPH <50.0 U 50.0 mg/Kg 05/25/21 08:49 05/26/21 04:04 %Recovery Qualifier Limits Prepared Analyzed Dil Fac Surrogate 1-Chlorooctane 115 70 - 130 05/25/21 08:49 05/26/21 04:04

Method: 300.0 - Anions, Ion Chrom	natography - Soluble						
Analyte	Result Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	6 56	4 97	ma/Ka			05/26/21 21:30	

70 - 130

101

Result Qualifier

<49.8 U

Client Sample ID: CS6-Surface

Date Collected: 05/21/21 00:00

o-Terphenyl

Analyte

(GRO)-C6-C10

Gasoline Range Organics

Date Received: 05/21/21 13:48

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	mg/Kg		05/24/21 09:50	05/25/21 03:39	1
Toluene	<0.00200	U	0.00200	mg/Kg		05/24/21 09:50	05/25/21 03:39	1
Ethylbenzene	<0.00200	U	0.00200	mg/Kg		05/24/21 09:50	05/25/21 03:39	1
m-Xylene & p-Xylene	<0.00401	U	0.00401	mg/Kg		05/24/21 09:50	05/25/21 03:39	1
o-Xylene	<0.00200	U	0.00200	mg/Kg		05/24/21 09:50	05/25/21 03:39	1
Xylenes, Total	<0.00401	U	0.00401	mg/Kg		05/24/21 09:50	05/25/21 03:39	1
Total BTEX	<0.00401	U	0.00401	mg/Kg		05/24/21 09:50	05/25/21 03:39	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	93		70 - 130			05/24/21 09:50	05/25/21 03:39	1
1,4-Difluorobenzene (Surr)	95		70 - 130			05/24/21 09:50	05/25/21 03:39	1

RL

49.8

Unit

mg/Kg

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Analyzed

05/26/21 04:46

Dil Fac

Client: EOR/Ridgeway Arizona Oil Corp

Job ID: 890-716-1

Project/Site: Mizar 11 Fed Com 14

Client Sample ID: CS6-Surface Date Collected: 05/21/21 00:00

Date Received: 05/21/21 13:48

Lab Sample	ID:	890-716-11
		Matrix: Solid

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics (Over	- <49.8		49.8	mg/Kg		05/25/21 08:49	05/26/21 04:46	1
C10-C28)	10.0	Ü	10.0	mgntg		00/20/21 00:10	00/20/21 01:10	
Oll Range Organics (Over C28-C36)	<49.8	U	49.8	mg/Kg		05/25/21 08:49	05/26/21 04:46	1
Total TPH	<49.8	U	49.8	mg/Kg		05/25/21 08:49	05/26/21 04:46	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane	112		70 - 130			05/25/21 08:49	05/26/21 04:46	1
o-Terphenyl	96		70 - 130			05/25/21 08:49	05/26/21 04:46	1
Method: 300.0 - Anions, Ion Chro	matography -	Soluble						
Analyte	•	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	15.2		4.96	mg/Kg			05/26/21 22:09	1

Client Sample ID: CS6-1' Lab Sample ID: 890-716-12

Date Collected: 05/21/21 00:00 Matrix: Solid

Date Received: 05/21/21 13:48

Method: 8021B - Volatile Orga	nic Compounds ((GC)						
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199	mg/Kg		05/24/21 09:50	05/25/21 03:59	1
Toluene	<0.00199	U	0.00199	mg/Kg		05/24/21 09:50	05/25/21 03:59	1
Ethylbenzene	<0.00199	U	0.00199	mg/Kg		05/24/21 09:50	05/25/21 03:59	1
m-Xylene & p-Xylene	<0.00398	U	0.00398	mg/Kg		05/24/21 09:50	05/25/21 03:59	1
o-Xylene	<0.00199	U	0.00199	mg/Kg		05/24/21 09:50	05/25/21 03:59	1
Xylenes, Total	<0.00398	U	0.00398	mg/Kg		05/24/21 09:50	05/25/21 03:59	1
Total BTEX	<0.00398	U	0.00398	mg/Kg		05/24/21 09:50	05/25/21 03:59	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	93		70 - 130			05/24/21 09:50	05/25/21 03:59	1
1.4-Difluorobenzene (Surr)	96		70 - 130			05/24/21 09:50	05/25/21 03:59	1

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fa
Gasoline Range Organics	<49.9	U	49.9	mg/Kg		05/25/21 08:49	05/26/21 05:08	-
(GRO)-C6-C10								
Diesel Range Organics (Over	<49.9	U	49.9	mg/Kg		05/25/21 08:49	05/26/21 05:08	
C10-C28)								
Oll Range Organics (Over C28-C36)	<49.9	U	49.9	mg/Kg		05/25/21 08:49	05/26/21 05:08	
Total TPH	<49.9	U	49.9	mg/Kg		05/25/21 08:49	05/26/21 05:08	
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fa
1-Chlorooctane	114		70 - 130			05/25/21 08:49	05/26/21 05:08	
o-Terphenyl	96		70 - 130			05/25/21 08:49	05/26/21 05:08	

Method: 300.0 - Anions, Ion Chromatography - Soluble Result Qualifier Analyte Unit Analyzed Dil Fac RL Prepared <5.04 U Chloride 5.04 mg/Kg 05/26/21 22:24

Client: EOR/Ridgeway Arizona Oil Corp

Job ID: 890-716-1

Project/Site: Mizar 11 Fed Com 14

Date Received: 05/21/21 13:48

Lab Sample ID: 890-716-13

Matrix: Solid

Client Sample ID: CS7-Surface Date Collected: 05/21/21 00:00

Method: 8021R - Volatile Organic Compounds (GC)

Method: 8021B - Volatile Orga	nic Compounds ((GC)						
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	mg/Kg		05/24/21 09:50	05/25/21 04:20	1
Toluene	<0.00200	U	0.00200	mg/Kg		05/24/21 09:50	05/25/21 04:20	1
Ethylbenzene	<0.00200	U	0.00200	mg/Kg		05/24/21 09:50	05/25/21 04:20	1
m-Xylene & p-Xylene	<0.00399	U	0.00399	mg/Kg		05/24/21 09:50	05/25/21 04:20	1
o-Xylene	<0.00200	U	0.00200	mg/Kg		05/24/21 09:50	05/25/21 04:20	1
Xylenes, Total	<0.00399	U	0.00399	mg/Kg		05/24/21 09:50	05/25/21 04:20	1
Total BTEX	<0.00399	U	0.00399	mg/Kg		05/24/21 09:50	05/25/21 04:20	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	96		70 - 130			05/24/21 09:50	05/25/21 04:20	1
1,4-Difluorobenzene (Surr)	95		70 - 130			05/24/21 09:50	05/25/21 04:20	1

Method: 8015B NM - Diesel Rang	ge Organics (D	RO) (GC)						
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9	mg/Kg		05/25/21 08:49	05/26/21 05:29	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9	mg/Kg		05/25/21 08:49	05/26/21 05:29	1
Oll Range Organics (Over C28-C36)	<49.9	U	49.9	mg/Kg		05/25/21 08:49	05/26/21 05:29	1
Total TPH	<49.9	U	49.9	mg/Kg		05/25/21 08:49	05/26/21 05:29	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac

	Surrogate	%Recovery	Qualifier	Limits		Prepared	Analyzed	DII Fac
	1-Chlorooctane	104		70 - 130		05/25/21 08:49	05/26/21 05:29	1
	o-Terphenyl	90		70 - 130	(05/25/21 08:49	05/26/21 05:29	1
٠,	_							

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<5.02	U	5.02	mg/Kg			05/26/21 22:29	1

Client Sample ID: CS7-1' Lab Sample ID: 890-716-14 Date Collected: 05/21/21 00:00 **Matrix: Solid**

Date Received: 05/21/21 13:48

Released to Imaging: 2/2/2023 8:12:44 AM

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	mg/Kg		05/24/21 09:50	05/25/21 04:40	1
Toluene	<0.00200	U	0.00200	mg/Kg		05/24/21 09:50	05/25/21 04:40	1
Ethylbenzene	<0.00200	U	0.00200	mg/Kg		05/24/21 09:50	05/25/21 04:40	1
m-Xylene & p-Xylene	<0.00399	U	0.00399	mg/Kg		05/24/21 09:50	05/25/21 04:40	1
o-Xylene	<0.00200	U	0.00200	mg/Kg		05/24/21 09:50	05/25/21 04:40	1
Xylenes, Total	<0.00399	U	0.00399	mg/Kg		05/24/21 09:50	05/25/21 04:40	1
Total BTEX	<0.00399	U	0.00399	mg/Kg		05/24/21 09:50	05/25/21 04:40	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	85		70 - 130			05/24/21 09:50	05/25/21 04:40	1
1,4-Difluorobenzene (Surr)	101		70 - 130			05/24/21 09:50	05/25/21 04:40	1

Method: 8015B NM - Diesel Rang	Method: 8015B NM - Diesel Range Organics (DRO) (GC)							
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics	<49.9	U	49.9	mg/Kg		05/25/21 08:49	05/26/21 05:50	1
(GRO)-C6-C10								

Job ID: 890-716-1

Client: EOR/Ridgeway Arizona Oil Corp Project/Site: Mizar 11 Fed Com 14

Client Sample ID: CS7-1'

Lab Sample ID: 890-716-14 Date Collected: 05/21/21 00:00 **Matrix: Solid**

Date Received: 05/21/21 13:48

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics (Over	<49.9	U	49.9	mg/Kg		05/25/21 08:49	05/26/21 05:50	1
C10-C28)								
Oll Range Organics (Over C28-C36)	<49.9	U	49.9	mg/Kg		05/25/21 08:49	05/26/21 05:50	1
Total TPH	<49.9	U	49.9	mg/Kg		05/25/21 08:49	05/26/21 05:50	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane	113		70 - 130			05/25/21 08:49	05/26/21 05:50	1
o-Terphenyl	96		70 - 130			05/25/21 08:49	05/26/21 05:50	1

Method: 300.0 - Anions, Ion Chrom	natography -	Soluble						
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<4.98	U	4.98	mg/Kg			05/26/21 22:33	1

Lab Sample ID: 890-716-15 **Client Sample ID: CS8-Surface** Date Collected: 05/21/21 00:00 Matrix: Solid

Date Received: 05/21/21 13:48

Oll Range Organics (Over C28-C36)

Total BTEX

o-Terphenyl

Method: 8021B - Volatile Organic Compounds (GC) Analyte Result Qualifier RL Unit Prepared Analyzed Dil Fac Benzene <0.00202 U 0.00202 05/24/21 09:50 05/25/21 05:00 mg/Kg Toluene <0.00202 U 0.00202 mg/Kg 05/24/21 09:50 05/25/21 05:00 <0.00202 U Ethylbenzene 0.00202 mg/Kg 05/24/21 09:50 05/25/21 05:00 m-Xylene & p-Xylene <0.00404 U 0.00404 mg/Kg 05/24/21 09:50 05/25/21 05:00 o-Xylene <0.00202 U 0.00202 mg/Kg 05/24/21 09:50 05/25/21 05:00 Xylenes, Total <0.00404 U 0.00404 mg/Kg 05/24/21 09:50 05/25/21 05:00

Surrogate	%Recovery Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	94	70 - 130	05/24/21 09:50	05/25/21 05:00	1
1,4-Difluorobenzene (Surr)	97	70 - 130	05/24/21 09:50	05/25/21 05:00	1

0.00404

mg/Kg

mg/Kg

<0.00404 U

<50.0 U

113

1,4-Difluorobenzene (Surr)	97		70 - 130			05/24/21 09:50	05/25/21 05:00	1
Method: 8015B NM - Diesel Range	Organics (DI	RO) (GC)						
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics	<50.0	U	50.0	mg/Kg		05/25/21 08:49	05/26/21 06:11	1
(GRO)-C6-C10								
Diesel Range Organics (Over	<50.0	U	50.0	mg/Kg		05/25/21 08:49	05/26/21 06:11	1
040 000)								

Total TPH	<50.0	U	50.0	mg/Kg	05/25/21 08:49	05/26/21 06:11	1
Surrogate	%Recovery	Qualifier	Limits		Prepared	Analyzed	Dil Fac
1-Chlorooctane	134	S1+	70 - 130		05/25/21 08:49	05/26/21 06:11	

50.0

Method: 300.0 - Anions, Ion Chromatography - Soluble								
Analyte	Result Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac	
Chloride	<4.99 U	4.99	ma/Ka			05/26/21 22:38	1	

70 - 130

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05/24/21 09:50

05/25/21 08:49

05/25/21 08:49

05/25/21 05:00

05/26/21 06:11

05/26/21 06:11

Client: EOR/Ridgeway Arizona Oil Corp

Job ID: 890-716-1

Project/Site: Mizar 11 Fed Com 14

Lab Sample ID: 890-716-16

05/25/21 05:21

05/24/21 09:50

Matrix: Solid

Client Sample ID: CS8-1' Date Collected: 05/21/21 00:00 Date Received: 05/21/21 13:48

1,4-Difluorobenzene (Surr)

Method: 8021B - Volatile Organic Compounds (GC)	

Welliou. 002 ID - Volatile Orga	ilic compounds (GC)						
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00202	U	0.00202	mg/Kg		05/24/21 09:50	05/25/21 05:21	1
Toluene	<0.00202	U	0.00202	mg/Kg		05/24/21 09:50	05/25/21 05:21	1
Ethylbenzene	<0.00202	U	0.00202	mg/Kg		05/24/21 09:50	05/25/21 05:21	1
m-Xylene & p-Xylene	<0.00403	U	0.00403	mg/Kg		05/24/21 09:50	05/25/21 05:21	1
o-Xylene	<0.00202	U	0.00202	mg/Kg		05/24/21 09:50	05/25/21 05:21	1
Xylenes, Total	< 0.00403	U	0.00403	mg/Kg		05/24/21 09:50	05/25/21 05:21	1
Total BTEX	<0.00403	U	0.00403	mg/Kg		05/24/21 09:50	05/25/21 05:21	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	92		70 130			05/24/21 09:50	05/25/21 05:21	

97

Method: 8015B NM - Diesel Rang	ge Organics (D	RO) (GC)						
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics	<50.0	U	50.0	mg/Kg		05/25/21 08:49	05/26/21 06:32	1
(GRO)-C6-C10								
Diesel Range Organics (Over	<50.0	U	50.0	mg/Kg		05/25/21 08:49	05/26/21 06:32	1
C10-C28)								
Oll Range Organics (Over C28-C36)	<50.0	U	50.0	mg/Kg		05/25/21 08:49	05/26/21 06:32	1
Total TPH	<50.0	U	50.0	mg/Kg		05/25/21 08:49	05/26/21 06:32	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
Juliogate	/UNICOVERY	Quantiti	Liiii			i i cpai cu	~ ruiyzcu	₽II I a

70 - 130

Surrogate	%Recovery	Qualifier	Limits		Preparea	Anaiyzea	DII Fac
1-Chlorooctane	112		70 - 130	03	5/25/21 08:49	05/26/21 06:32	1
o-Terphenyl	97		70 - 130	O.S.	05/25/21 08:49	05/26/21 06:32	1
_							

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<5.00	U	5.00	mg/Kg			05/26/21 22:53	1

Client Sample ID: CS9-urface

Date Collected: 05/21/21 00:00 Date Received: 05/21/21 13:48

Method: 8021B - Volatile Organic Compounds (GC)

Michiga. 002 ID - Volatile Orga	inc compounds	(30)						
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00202	U	0.00202	mg/Kg		05/24/21 09:50	05/25/21 05:41	1
Toluene	<0.00202	U	0.00202	mg/Kg		05/24/21 09:50	05/25/21 05:41	1
Ethylbenzene	<0.00202	U	0.00202	mg/Kg		05/24/21 09:50	05/25/21 05:41	1
m-Xylene & p-Xylene	<0.00403	U	0.00403	mg/Kg		05/24/21 09:50	05/25/21 05:41	1
o-Xylene	<0.00202	U	0.00202	mg/Kg		05/24/21 09:50	05/25/21 05:41	1
Xylenes, Total	< 0.00403	U	0.00403	mg/Kg		05/24/21 09:50	05/25/21 05:41	1
Total BTEX	<0.00403	U	0.00403	mg/Kg		05/24/21 09:50	05/25/21 05:41	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	84		70 - 130			05/24/21 09:50	05/25/21 05:41	1
1.4-Difluorobenzene (Surr)	97		70 - 130			05/24/21 09:50	05/25/21 05:41	1

1,4-Difluorobenzene (Surr)	97	70 - 130	05/24/21 09:50	05/25/21 05
Method: 8015B NM - Diesel Range Organi	cs (DPO) (GC	"		

Analyte		Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics	<49.9	U	49.9	mg/Kg		05/25/21 08:49	05/26/21 06:53	1
(GRO)-C6-C10								

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Lab Sample ID: 890-716-17 **Matrix: Solid**

Client: EOR/Ridgeway Arizona Oil Corp

Corp

Project/Site: Mizar 11 Fed Com 14

Lab Sample ID: 890-716-17

Sample ID. 690-7 10-17

Matrix: Solid

Job ID: 890-716-1

Client Sample ID: CS9-urface Date Collected: 05/21/21 00:00

Date Received: 05/21/21 13:48

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics (Over	<49.9	U	49.9	mg/Kg		05/25/21 08:49	05/26/21 06:53	1
C10-C28)								
OII Range Organics (Over C28-C36)	<49.9	U	49.9	mg/Kg		05/25/21 08:49	05/26/21 06:53	1
Total TPH	<49.9	U	49.9	mg/Kg		05/25/21 08:49	05/26/21 06:53	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane	115		70 - 130			05/25/21 08:49	05/26/21 06:53	1
o-Terphenyl	100		70 - 130			05/25/21 08:49	05/26/21 06:53	1
Method: 300.0 - Anions, Ion Chro	omatography -	Soluble						
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac

Client Sample ID: CS9-1'

Lab Sample ID: 890-716-18

Date Collected: 05/21/21 00:00 Date Received: 05/21/21 13:48

21 00:00 Matrix: Solid

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00198	U	0.00198	mg/Kg		05/24/21 09:50	05/25/21 06:02	1
Toluene	<0.00198	U	0.00198	mg/Kg		05/24/21 09:50	05/25/21 06:02	1
Ethylbenzene	<0.00198	U	0.00198	mg/Kg		05/24/21 09:50	05/25/21 06:02	1
m-Xylene & p-Xylene	<0.00397	U	0.00397	mg/Kg		05/24/21 09:50	05/25/21 06:02	1
o-Xylene	<0.00198	U	0.00198	mg/Kg		05/24/21 09:50	05/25/21 06:02	1
Xylenes, Total	< 0.00397	U	0.00397	mg/Kg		05/24/21 09:50	05/25/21 06:02	1
Total BTEX	<0.00397	U	0.00397	mg/Kg		05/24/21 09:50	05/25/21 06:02	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	90		70 - 130			05/24/21 09:50	05/25/21 06:02	1
1,4-Difluorobenzene (Surr)	98		70 - 130			05/24/21 09:50	05/25/21 06:02	1
Method: 8015B NM - Diesel Ran Analyte	• • •	RO) (GC) Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
· ·	• • •	, , ,	RL	Unit	<u>D</u>	Prepared	Analyzed	Dil Fac
Analyte Gasoline Range Organics	• • •	Qualifier	RL	Unit mg/Kg	<u>D</u>	Prepared 05/25/21 08:49	Analyzed 05/26/21 07:14	Dil Fac
Analyte Gasoline Range Organics (GRO)-C6-C10		Qualifier U	50.0	mg/Kg	<u>D</u>	05/25/21 08:49	05/26/21 07:14	Dil Fac
Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over	Result	Qualifier U			<u>D</u>			Dil Fac
Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28)	Result <50.0 <50.0	Qualifier U	50.0	mg/Kg	<u>D</u>	05/25/21 08:49 05/25/21 08:49	05/26/21 07:14 05/26/21 07:14	Dil Fac 1
Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Oll Range Organics (Over C28-C36)	Result <50.0 <50.0 <50.0	Qualifier U U	50.0 50.0 50.0	mg/Kg mg/Kg mg/Kg	<u>D</u>	05/25/21 08:49 05/25/21 08:49 05/25/21 08:49	05/26/21 07:14 05/26/21 07:14 05/26/21 07:14	1 1 1
Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28)	Result <50.0 <50.0	Qualifier U U	50.0	mg/Kg	<u>D</u>	05/25/21 08:49 05/25/21 08:49	05/26/21 07:14 05/26/21 07:14	1 1 1 1
Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Oll Range Organics (Over C28-C36)	Result <50.0 <50.0 <50.0	Qualifier U U U U	50.0 50.0 50.0	mg/Kg mg/Kg mg/Kg	<u>D</u>	05/25/21 08:49 05/25/21 08:49 05/25/21 08:49	05/26/21 07:14 05/26/21 07:14 05/26/21 07:14	1 1 1 Dil Fac
Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Oll Range Organics (Over C28-C36) Total TPH	Result	Qualifier U U U U	50.0 50.0 50.0 50.0	mg/Kg mg/Kg mg/Kg	<u>D</u>	05/25/21 08:49 05/25/21 08:49 05/25/21 08:49 05/25/21 08:49	05/26/21 07:14 05/26/21 07:14 05/26/21 07:14 05/26/21 07:14	1 1 1
Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Oll Range Organics (Over C28-C36) Total TPH Surrogate	Result	Qualifier U U U U	50.0 50.0 50.0 50.0 <i>Limits</i>	mg/Kg mg/Kg mg/Kg	<u>D</u>	05/25/21 08:49 05/25/21 08:49 05/25/21 08:49 05/25/21 08:49 Prepared	05/26/21 07:14 05/26/21 07:14 05/26/21 07:14 05/26/21 07:14 Analyzed	1 1 1
Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) OII Range Organics (Over C28-C36) Total TPH Surrogate 1-Chlorooctane o-Terphenyl	Result	Qualifier U U U Qualifier	50.0 50.0 50.0 50.0 <i>Limits</i> 70 - 130	mg/Kg mg/Kg mg/Kg	<u>D</u>	05/25/21 08:49 05/25/21 08:49 05/25/21 08:49 05/25/21 08:49 Prepared 05/25/21 08:49	05/26/21 07:14 05/26/21 07:14 05/26/21 07:14 05/26/21 07:14 Analyzed 05/26/21 07:14	1 1 1
Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) OII Range Organics (Over C28-C36) Total TPH Surrogate 1-Chlorooctane	Result	Qualifier U U U Qualifier	50.0 50.0 50.0 50.0 <i>Limits</i> 70 - 130	mg/Kg mg/Kg mg/Kg	<u>D</u>	05/25/21 08:49 05/25/21 08:49 05/25/21 08:49 05/25/21 08:49 Prepared 05/25/21 08:49	05/26/21 07:14 05/26/21 07:14 05/26/21 07:14 05/26/21 07:14 Analyzed 05/26/21 07:14	1 1 1

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Client: EOR/Ridgeway Arizona Oil Corp

Job ID: 890-716-1

Project/Site: Mizar 11 Fed Com 14

Client Sample ID: CS10-Surface Lab Sample ID: 890-716-19

Date Collected: 05/21/21 00:00 Matrix: Solid
Date Received: 05/21/21 13:48

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00198	U	0.00198	mg/Kg		05/24/21 09:50	05/25/21 06:22	1
Toluene	<0.00198	U	0.00198	mg/Kg		05/24/21 09:50	05/25/21 06:22	1
Ethylbenzene	<0.00198	U	0.00198	mg/Kg		05/24/21 09:50	05/25/21 06:22	1
m-Xylene & p-Xylene	<0.00397	U	0.00397	mg/Kg		05/24/21 09:50	05/25/21 06:22	1
o-Xylene	<0.00198	U	0.00198	mg/Kg		05/24/21 09:50	05/25/21 06:22	1
Xylenes, Total	< 0.00397	U	0.00397	mg/Kg		05/24/21 09:50	05/25/21 06:22	1
Total BTEX	<0.00397	U	0.00397	mg/Kg		05/24/21 09:50	05/25/21 06:22	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	87		70 - 130			05/24/21 09:50	05/25/21 06:22	1
1,4-Difluorobenzene (Surr)	96		70 - 130			05/24/21 09:50	05/25/21 06:22	1
Method: 8015B NM - Diesel Rang	ge Organics (D	, , ,						
								
Method: 8015B NM - Diesel Rang Analyte	ge Organics (D	Qualifier	RL	Unit	<u>D</u>	Prepared	Analyzed	Dil Fac
Method: 8015B NM - Diesel Rang Analyte Gasoline Range Organics	ge Organics (D	Qualifier	RL 49.9	Unit mg/Kg	<u>D</u>		Analyzed 05/26/21 07:36	Dil Fac
Method: 8015B NM - Diesel Rang Analyte Gasoline Range Organics (GRO)-C6-C10	ge Organics (D Result <49.9	Qualifier U	49.9	mg/Kg	<u>D</u>	Prepared 05/25/21 08:49	05/26/21 07:36	1
Method: 8015B NM - Diesel Rang Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over	ge Organics (D	Qualifier U			<u>D</u>	Prepared		1
Method: 8015B NM - Diesel Rang Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28)	ge Organics (D Result <49.9	Qualifier U	49.9	mg/Kg	<u>D</u>	Prepared 05/25/21 08:49	05/26/21 07:36	1
Method: 8015B NM - Diesel Rang Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over	ge Organics (DI Result <49.9	Qualifier U U	49.9	mg/Kg	<u>D</u>	Prepared 05/25/21 08:49 05/25/21 08:49	05/26/21 07:36 05/26/21 07:36	1
Method: 8015B NM - Diesel Rang Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Oll Range Organics (Over C28-C36)	ge Organics (D) Result <49.9 <49.9	Qualifier U U U U	49.9 49.9 49.9	mg/Kg mg/Kg mg/Kg	<u>D</u>	Prepared 05/25/21 08:49 05/25/21 08:49 05/25/21 08:49	05/26/21 07:36 05/26/21 07:36 05/26/21 07:36	1 1
Method: 8015B NM - Diesel Rang Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) OII Range Organics (Over C28-C36) Total TPH	ge Organics (D) Result <49.9 <49.9 <49.9 <49.9	Qualifier U U U U	49.9 49.9 49.9 49.9	mg/Kg mg/Kg mg/Kg	<u>D</u>	Prepared 05/25/21 08:49 05/25/21 08:49 05/25/21 08:49 05/25/21 08:49	05/26/21 07:36 05/26/21 07:36 05/26/21 07:36 05/26/21 07:36	1 1 1 <i>Dil Fac</i>
Method: 8015B NM - Diesel Rang Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) OII Range Organics (Over C28-C36) Total TPH	ge Organics (D) Result <49.9 <49.9 <49.9 <49.9 %Recovery	Qualifier U U U U	49.9 49.9 49.9 49.9 Limits	mg/Kg mg/Kg mg/Kg	<u>D</u>	Prepared 05/25/21 08:49 05/25/21 08:49 05/25/21 08:49 05/25/21 08:49 Prepared	05/26/21 07:36 05/26/21 07:36 05/26/21 07:36 05/26/21 07:36 Analyzed	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
Method: 8015B NM - Diesel Rang Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) OII Range Organics (Over C28-C36) Total TPH Surrogate 1-Chlorooctane	ge Organics (D) Result <49.9 <49.9 <49.9 <49.9 <49.9 **Recovery** 113 97	Qualifier U U U Qualifier	49.9 49.9 49.9 49.9 Limits 70 - 130	mg/Kg mg/Kg mg/Kg	<u>D</u>	Prepared 05/25/21 08:49 05/25/21 08:49 05/25/21 08:49 05/25/21 08:49 Prepared 05/25/21 08:49	05/26/21 07:36 05/26/21 07:36 05/26/21 07:36 05/26/21 07:36 Analyzed 05/26/21 07:36	Dil Fac 1 1 1 1 Dil Fac

Client Sample ID: CS10-1'

Date Collected: 05/21/21 00:00

Lab Sample ID: 890-716-20

Matrix: Solid

5.04

mg/Kg

<5.04 U

Date Received: 05/21/21 13:48

Chloride

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	mg/Kg		05/24/21 09:50	05/25/21 06:43	1
Toluene	<0.00200	U	0.00200	mg/Kg		05/24/21 09:50	05/25/21 06:43	1
Ethylbenzene	<0.00200	U	0.00200	mg/Kg		05/24/21 09:50	05/25/21 06:43	1
m-Xylene & p-Xylene	<0.00400	U	0.00400	mg/Kg		05/24/21 09:50	05/25/21 06:43	1
o-Xylene	<0.00200	U	0.00200	mg/Kg		05/24/21 09:50	05/25/21 06:43	1
Xylenes, Total	<0.00400	U	0.00400	mg/Kg		05/24/21 09:50	05/25/21 06:43	1
Total BTEX	<0.00400	U	0.00400	mg/Kg		05/24/21 09:50	05/25/21 06:43	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	92		70 - 130			05/24/21 09:50	05/25/21 06:43	1
1,4-Difluorobenzene (Surr)	101		70 - 130			05/24/21 09:50	05/25/21 06:43	1
Method: 8015B NM - Diesel Ra	ange Organics (D	RO) (GC)						
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0	mg/Kg		05/25/21 08:49	05/26/21 07:57	1

Eurofins Xenco, Carlsbad

05/26/21 23:08

2

3

6

8

10

12

13

Job ID: 890-716-1

Client: EOR/Ridgeway Arizona Oil Corp Project/Site: Mizar 11 Fed Com 14

Lab Sample ID: 890-716-20

05/26/21 23:13

Matrix: Solid

Client Sample ID: CS10-1'

Date Collected: 05/21/21 00:00 Date Received: 05/21/21 13:48

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics (Over	<50.0	U	50.0	mg/Kg		05/25/21 08:49	05/26/21 07:57	1
C10-C28) OII Range Organics (Over C28-C36)	<50.0	U	50.0	mg/Kg		05/25/21 08:49	05/26/21 07:57	1
Total TPH	<50.0	U	50.0	mg/Kg		05/25/21 08:49	05/26/21 07:57	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane	114		70 - 130			05/25/21 08:49	05/26/21 07:57	1
o-Terphenyl	99		70 - 130			05/25/21 08:49	05/26/21 07:57	1
Method: 300.0 - Anions, Ion Chro	matography -	Soluble						
Analyte	•	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac

Client Sample ID: CS11-Surface Lab Sample ID: 890-716-21 Matrix: Solid

<4.95 U

4.95

mg/Kg

Date Collected: 05/21/21 00:00 Date Received: 05/21/21 13:48

Chloride

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00198	U F1	0.00198	mg/Kg		05/24/21 09:37	05/24/21 23:12	1
Toluene	<0.00198	U F1	0.00198	mg/Kg		05/24/21 09:37	05/24/21 23:12	1
Ethylbenzene	<0.00198	U F1	0.00198	mg/Kg		05/24/21 09:37	05/24/21 23:12	1
m-Xylene & p-Xylene	<0.00397	U F1	0.00397	mg/Kg		05/24/21 09:37	05/24/21 23:12	1
o-Xylene	<0.00198	U F1	0.00198	mg/Kg		05/24/21 09:37	05/24/21 23:12	1
Xylenes, Total	< 0.00397	U F1	0.00397	mg/Kg		05/24/21 09:37	05/24/21 23:12	1
Total BTEX	<0.00397	U F1	0.00397	mg/Kg		05/24/21 09:37	05/24/21 23:12	1

Surrogate	%Recovery Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	99	70 - 130	05/24/21 09:37	05/24/21 23:12	1
1,4-Difluorobenzene (Surr)	112	70 - 130	05/24/21 09:37	05/24/21 23:12	1

Method: 8015B	NM - Diesel	Range Organics	(DRO) (GC)

Method, of 190 MM - Diesel Kang	ge Organics (D	RO) (GC)						
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics	<49.9	U	49.9	mg/Kg		05/25/21 09:04	05/26/21 00:12	1
(GRO)-C6-C10								
Diesel Range Organics (Over	<49.9	U	49.9	mg/Kg		05/25/21 09:04	05/26/21 00:12	1
C10-C28)								
OII Range Organics (Over C28-C36)	<49.9	U	49.9	mg/Kg		05/25/21 09:04	05/26/21 00:12	1
Total TPH	<49.9	U	49.9	mg/Kg		05/25/21 09:04	05/26/21 00:12	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane	93		70 - 130			05/25/21 09:04	05/26/21 00:12	1
o-Terphenyl	89		70 - 130			05/25/21 09:04	05/26/21 00:12	1

Method: 300.0 - Anions, Ion Chron	natography - Soluble						
Analyte	Result Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<4.95 U	4.95	ma/Ka			05/26/21 23:18	

Client: EOR/Ridgeway Arizona Oil Corp Project/Site: Mizar 11 Fed Com 14

Job ID: 890-716-1

Lab Sample ID: 890-716-22

Matrix: Solid

Client Sample ID: CS11-1'

Date Collected: 05/21/21 00:00 Date Received: 05/21/21 13:48

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	mg/Kg		05/24/21 09:37	05/24/21 23:32	1
Toluene	<0.00200	U	0.00200	mg/Kg		05/24/21 09:37	05/24/21 23:32	1
Ethylbenzene	<0.00200	U	0.00200	mg/Kg		05/24/21 09:37	05/24/21 23:32	1
m-Xylene & p-Xylene	<0.00400	U	0.00400	mg/Kg		05/24/21 09:37	05/24/21 23:32	1
o-Xylene	<0.00200	U	0.00200	mg/Kg		05/24/21 09:37	05/24/21 23:32	1
Xylenes, Total	<0.00400	U	0.00400	mg/Kg		05/24/21 09:37	05/24/21 23:32	1
Total BTEX	<0.00400	U	0.00400	mg/Kg		05/24/21 09:37	05/24/21 23:32	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	113		70 - 130			05/24/21 09:37	05/24/21 23:32	1
1,4-Difluorobenzene (Surr)	139	S1+	70 - 130			05/24/21 09:37	05/24/21 23:32	1

Method: 8015B NM - Diesel Rang	ge Organics (D	RO) (GC)						
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics	<49.8	U	49.8	mg/Kg		05/25/21 09:04	05/26/21 01:15	1
(GRO)-C6-C10								
Diesel Range Organics (Over	<49.8	U	49.8	mg/Kg		05/25/21 09:04	05/26/21 01:15	1
C10-C28)								
OII Range Organics (Over C28-C36)	<49.8	U	49.8	mg/Kg		05/25/21 09:04	05/26/21 01:15	1
Total TPH	<49.8	U	49.8	mg/Kg		05/25/21 09:04	05/26/21 01:15	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane	91		70 - 130			05/25/21 09:04	05/26/21 01:15	1
o-Terphenyl	85		70 - 130			05/25/21 09:04	05/26/21 01:15	1

Method: 300.0 - Anions, Ion Chron	natography - Soluble	9						
Analyte	Result Qualifie	r RL	Unit	D	Prepared	Analyzed	Dil Fac	
Chloride	<5.04 U	5.04	ma/Ka			05/26/21 23:32	1	

Client Sample ID: CS12-Surface

Date Collected: 05/21/21 00:00 Date Received: 05/21/21 13:48

Lab Sample ID:	890-716-23
	Matrix: Solid

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	0.00353	В	0.00198	mg/Kg		05/24/21 09:37	05/24/21 23:53	1
Toluene	<0.00198	U	0.00198	mg/Kg		05/24/21 09:37	05/24/21 23:53	1
Ethylbenzene	<0.00198	U	0.00198	mg/Kg		05/24/21 09:37	05/24/21 23:53	1
m-Xylene & p-Xylene	<0.00396	U	0.00396	mg/Kg		05/24/21 09:37	05/24/21 23:53	1
o-Xylene	<0.00198	U	0.00198	mg/Kg		05/24/21 09:37	05/24/21 23:53	1
Xylenes, Total	<0.00396	U	0.00396	mg/Kg		05/24/21 09:37	05/24/21 23:53	1
Total BTEX	<0.00396	U	0.00396	mg/Kg		05/24/21 09:37	05/24/21 23:53	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	105		70 - 130			05/24/21 09:37	05/24/21 23:53	1
1,4-Difluorobenzene (Surr)	107		70 - 130			05/24/21 09:37	05/24/21 23:53	1
- Method: 8015B NM - Diesel Ra	ange Organics (D	RO) (GC)						
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	49.8	mg/Kg		05/25/21 09:04	05/26/21 01:37	1

Job ID: 890-716-1

Client: EOR/Ridgeway Arizona Oil Corp Project/Site: Mizar 11 Fed Com 14

Client Sample ID: CS12-Surface

Lab Sample ID: 890-716-23

Date Collected: 05/21/21 00:00 Date Received: 05/21/21 13:48 Matrix: Solid

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics (Over	<49.8	U	49.8	mg/Kg		05/25/21 09:04	05/26/21 01:37	1
C10-C28)								
Oll Range Organics (Over C28-C36)	<49.8	U	49.8	mg/Kg		05/25/21 09:04	05/26/21 01:37	1
Total TPH	<49.8	U	49.8	mg/Kg		05/25/21 09:04	05/26/21 01:37	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane	86		70 - 130			05/25/21 09:04	05/26/21 01:37	1
o-Terphenyl	80		70 - 130			05/25/21 09:04	05/26/21 01:37	1

RL

5.05

Unit

mg/Kg

D

Prepared

05/26/21 23:37

Analyzed

Client Sample ID: CS12-1'

Analyte

Chloride

Lab Sample ID: 890-716-24

Date Collected: 05/21/21 00:00

Matrix: Solid

Dil Fac

Date Received: 05/21/21 13:48

Method: 8021B - Volatile Org	ganic Compounds (GC)						
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00198	U	0.00198	mg/Kg		05/24/21 09:37	05/25/21 00:14	1
Toluene	<0.00198	U	0.00198	mg/Kg		05/24/21 09:37	05/25/21 00:14	1
Ethylbenzene	<0.00198	U	0.00198	mg/Kg		05/24/21 09:37	05/25/21 00:14	1
m-Xylene & p-Xylene	<0.00396	U	0.00396	mg/Kg		05/24/21 09:37	05/25/21 00:14	1
o-Xylene	<0.00198	U	0.00198	mg/Kg		05/24/21 09:37	05/25/21 00:14	1
Xylenes, Total	< 0.00396	U	0.00396	mg/Kg		05/24/21 09:37	05/25/21 00:14	1
Total BTEX	<0.00396	U	0.00396	mg/Kg		05/24/21 09:37	05/25/21 00:14	1

	Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
	4-Bromofluorobenzene (Surr)	107		70 - 130	05/24/21 09:37	05/25/21 00:14	1
l	1,4-Difluorobenzene (Surr)	115		70 - 130	05/24/21 09:37	05/25/21 00:14	1

Analyte	Result Qualifier	RL	Unit	D	Prepared	Α
Method: 8015B NM - Diesel Range Orga	anics (DRO) (GC)					
1,4-Difluorobenzene (Surr)	115	70 - 130		•	05/24/21 09:37	05/2

Result Qualifier

5.39

Result Qualifier Unit Prepared Dil Fac Analyte Analyzed Gasoline Range Organics <49.9 U 49.9 05/25/21 09:04 05/26/21 01:57 mg/Kg (GRO)-C6-C10 <49.9 U 49.9 05/25/21 09:04 05/26/21 01:57 Diesel Range Organics (Over mg/Kg C10-C28) OII Range Organics (Over C28-C36) <49.9 U 49.9 05/25/21 09:04 05/26/21 01:57 mg/Kg Total TPH <49.9 U 49.9 05/25/21 09:04 05/26/21 01:57 mg/Kg

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	108		70 - 130	05/25/21 09:04	05/26/21 01:57	1
o-Terphenyl	102		70 - 130	05/25/21 09:04	05/26/21 01:57	1

Method: 300.0 - Anions, Ion Chron	natography - Soluble						
Analyte	Result Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	6.73	4.97	mg/Kg			05/26/21 23:52	1

Client: EOR/Ridgeway Arizona Oil Corp

Job ID: 890-716-1

Project/Site: Mizar 11 Fed Com 14

Client Sample ID: CS13-Surface

Date Collected: 05/21/21 00:00 Date Received: 05/21/21 13:48

Lab Sample ID: 890-716-25

05/25/21 09:04

05/25/21 09:04

05/26/21 02:19

05/26/21 02:19

Matrix: Solid

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199	mg/Kg		05/24/21 09:37	05/25/21 00:34	1
Toluene	<0.00199	U	0.00199	mg/Kg		05/24/21 09:37	05/25/21 00:34	1
Ethylbenzene	<0.00199	U	0.00199	mg/Kg		05/24/21 09:37	05/25/21 00:34	1
m-Xylene & p-Xylene	<0.00398	U	0.00398	mg/Kg		05/24/21 09:37	05/25/21 00:34	1
o-Xylene	<0.00199	U	0.00199	mg/Kg		05/24/21 09:37	05/25/21 00:34	1
Xylenes, Total	<0.00398	U	0.00398	mg/Kg		05/24/21 09:37	05/25/21 00:34	1
Total BTEX	<0.00398	U	0.00398	mg/Kg		05/24/21 09:37	05/25/21 00:34	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	91		70 - 130			05/24/21 09:37	05/25/21 00:34	1
1,4-Difluorobenzene (Surr)	114		70 - 130			05/24/21 09:37	05/25/21 00:34	1

Method: 8015B NM - Diesel Range Organics (DRO) (GC) Analyte Result Qualifier RL Unit Prepared Analyzed Dil Fac <49.8 U Gasoline Range Organics 49.8 mg/Kg 05/25/21 09:04 05/26/21 02:19 (GRO)-C6-C10 Diesel Range Organics (Over 05/26/21 02:19 <49.8 U 49.8 mg/Kg 05/25/21 09:04 C10-C28) Oll Range Organics (Over C28-C36) <49.8 U 49.8 mg/Kg 05/25/21 09:04 05/26/21 02:19 Total TPH 05/25/21 09:04 05/26/21 02:19 <49.8 U 49.8 mg/Kg Surrogate %Recovery Qualifier Limits Prepared Analyzed Dil Fac

Method: 300.0 - Anions, Ion Chrom	atography -	Soluble						
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<4.99	U	4.99	mg/Kg			05/26/21 23:57	1

70 - 130

70 - 130

100

91

Client Sample ID: CS13-1' Lab Sample ID: 890-716-26 Date Collected: 05/21/21 00:00 **Matrix: Solid**

Date Received: 05/21/21 13:48

1-Chlorooctane

o-Terphenyl

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00202	U	0.00202	mg/Kg		05/24/21 09:37	05/25/21 00:55	1
Toluene	<0.00202	U	0.00202	mg/Kg		05/24/21 09:37	05/25/21 00:55	1
Ethylbenzene	<0.00202	U	0.00202	mg/Kg		05/24/21 09:37	05/25/21 00:55	1
m-Xylene & p-Xylene	<0.00404	U	0.00404	mg/Kg		05/24/21 09:37	05/25/21 00:55	1
o-Xylene	<0.00202	U	0.00202	mg/Kg		05/24/21 09:37	05/25/21 00:55	1
Xylenes, Total	<0.00404	U	0.00404	mg/Kg		05/24/21 09:37	05/25/21 00:55	1
Total BTEX	<0.00404	U	0.00404	mg/Kg		05/24/21 09:37	05/25/21 00:55	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	122		70 - 130			05/24/21 09:37	05/25/21 00:55	1
1,4-Difluorobenzene (Surr)	135	S1+	70 - 130			05/24/21 09:37	05/25/21 00:55	1
- Method: 8015B NM - Diesel Ra	ange Organics (D	RO) (GC)						
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9	mg/Kg		05/25/21 09:04	05/26/21 02:40	1

Job ID: 890-716-1

Client: EOR/Ridgeway Arizona Oil Corp Project/Site: Mizar 11 Fed Com 14

Client Sample ID: CS13-1' Lab Sample ID: 890-716-26

Date Collected: 05/21/21 00:00 Matrix: Solid

Date Received: 05/21/21 13:48

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9	mg/Kg		05/25/21 09:04	05/26/21 02:40	1
Oll Range Organics (Over C28-C36)	<49.9	U	49.9	mg/Kg		05/25/21 09:04	05/26/21 02:40	1
Total TPH	<49.9	U	49.9	mg/Kg		05/25/21 09:04	05/26/21 02:40	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane	103		70 - 130			05/25/21 09:04	05/26/21 02:40	1
o-Terphenyl	101		70 - 130			05/25/21 09:04	05/26/21 02:40	1

Result Qualifier RL Unit Prepared Dil Fac Analyte D Analyzed Chloride <4.98 U 4.98 05/27/21 00:02 mg/Kg

Client Sample ID: CS14-Surface

Lab Sample ID: 890-716-27 Matrix: Solid

Date Collected: 05/21/21 00:00

Date Received: 05/21/21 13:48

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199	mg/Kg		05/24/21 09:37	05/25/21 01:16	1
Toluene	<0.00199	U	0.00199	mg/Kg		05/24/21 09:37	05/25/21 01:16	1
Ethylbenzene	<0.00199	U	0.00199	mg/Kg		05/24/21 09:37	05/25/21 01:16	1
m-Xylene & p-Xylene	<0.00398	U	0.00398	mg/Kg		05/24/21 09:37	05/25/21 01:16	1
o-Xylene	<0.00199	U	0.00199	mg/Kg		05/24/21 09:37	05/25/21 01:16	1
Xylenes, Total	<0.00398	U	0.00398	mg/Kg		05/24/21 09:37	05/25/21 01:16	1
Total BTEX	<0.00398	U	0.00398	mg/Kg		05/24/21 09:37	05/25/21 01:16	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	113		70 - 130			05/24/21 09:37	05/25/21 01:16	1
1,4-Difluorobenzene (Surr)	138	S1+	70 - 130			05/24/21 09:37	05/25/21 01:16	1
Method: 8015B NM - Diesel Rang	ge Organics (D	RO) (GC)						
Analyte	Result	Qualifier	RL	Unit	<u>D</u>	Prepared	Analyzed	Dil Fac
Analyte Gasoline Range Organics	• •	Qualifier	RL 50.0	Unit mg/Kg	<u>D</u>	Prepared 05/25/21 09:04	Analyzed 05/26/21 03:01	Dil Fac
	Result	Qualifier U			<u>D</u>			1
Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over	Result < 50.0	Qualifier U	50.0	mg/Kg	<u>D</u>	05/25/21 09:04	05/26/21 03:01	1
Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) OII Range Organics (Over C28-C36)	Result <50.0 <50.0	Qualifier U U U	50.0	mg/Kg	<u>D</u>	05/25/21 09:04 05/25/21 09:04	05/26/21 03:01 05/26/21 03:01	
Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28)	Result <50.0 <50.0 <50.0	Qualifier U U U U	50.0 50.0 50.0	mg/Kg mg/Kg mg/Kg	<u>D</u>	05/25/21 09:04 05/25/21 09:04 05/25/21 09:04	05/26/21 03:01 05/26/21 03:01 05/26/21 03:01	1
Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Oll Range Organics (Over C28-C36) Total TPH	Result <50.0 <50.0 <50.0 <50.0 <50.0	Qualifier U U U U	50.0 50.0 50.0 50.0	mg/Kg mg/Kg mg/Kg	<u>D</u>	05/25/21 09:04 05/25/21 09:04 05/25/21 09:04 05/25/21 09:04	05/26/21 03:01 05/26/21 03:01 05/26/21 03:01 05/26/21 03:01	1
Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Oll Range Organics (Over C28-C36) Total TPH Surrogate	Result	Qualifier U U U U	50.0 50.0 50.0 50.0 <i>Limits</i>	mg/Kg mg/Kg mg/Kg	<u>D</u>	05/25/21 09:04 05/25/21 09:04 05/25/21 09:04 05/25/21 09:04 Prepared	05/26/21 03:01 05/26/21 03:01 05/26/21 03:01 05/26/21 03:01 Analyzed	Dil Fa
Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Oll Range Organics (Over C28-C36) Total TPH Surrogate 1-Chlorooctane	Result	Qualifier U U U Qualifier	50.0 50.0 50.0 50.0 <i>Limits</i> 70 - 130	mg/Kg mg/Kg mg/Kg	<u>D</u>	05/25/21 09:04 05/25/21 09:04 05/25/21 09:04 05/25/21 09:04 Prepared 05/25/21 09:04	05/26/21 03:01 05/26/21 03:01 05/26/21 03:01 05/26/21 03:01 Analyzed 05/26/21 03:01	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Oll Range Organics (Over C28-C36) Total TPH Surrogate 1-Chlorooctane o-Terphenyl	Result	Qualifier U U U Qualifier	50.0 50.0 50.0 50.0 <i>Limits</i> 70 - 130	mg/Kg mg/Kg mg/Kg	<u>D</u>	05/25/21 09:04 05/25/21 09:04 05/25/21 09:04 05/25/21 09:04 Prepared 05/25/21 09:04	05/26/21 03:01 05/26/21 03:01 05/26/21 03:01 05/26/21 03:01 Analyzed 05/26/21 03:01	Dil Fac

Client: EOR/Ridgeway Arizona Oil Corp

Job ID: 890-716-1

Project/Site: Mizar 11 Fed Com 14

Lab Sample ID: 890-716-28

Matrix: Solid

Client Sample ID: CS14-1'

Date Collected: 05/21/21 00:00 Date Received: 05/21/21 13:48

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201	mg/Kg		05/24/21 09:37	05/25/21 01:36	1
Toluene	<0.00201	U	0.00201	mg/Kg		05/24/21 09:37	05/25/21 01:36	1
Ethylbenzene	<0.00201	U	0.00201	mg/Kg		05/24/21 09:37	05/25/21 01:36	1
m-Xylene & p-Xylene	<0.00402	U	0.00402	mg/Kg		05/24/21 09:37	05/25/21 01:36	1
o-Xylene	<0.00201	U	0.00201	mg/Kg		05/24/21 09:37	05/25/21 01:36	1
Xylenes, Total	<0.00402	U	0.00402	mg/Kg		05/24/21 09:37	05/25/21 01:36	1
Total BTEX	<0.00402	U	0.00402	mg/Kg		05/24/21 09:37	05/25/21 01:36	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	109		70 - 130			05/24/21 09:37	05/25/21 01:36	1
1,4-Difluorobenzene (Surr)	110		70 - 130			05/24/21 09:37	05/25/21 01:36	1
Method: 8015B NM - Diesel R	ange Organics (DI	RO) (GC)						
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac

Method: 8015B NM - Diesel Rang	ge Organics (D	RO) (GC)						
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9	mg/Kg		05/25/21 09:04	05/26/21 03:22	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9	mg/Kg		05/25/21 09:04	05/26/21 03:22	1
Oll Range Organics (Over C28-C36)	<49.9	U	49.9	mg/Kg		05/25/21 09:04	05/26/21 03:22	1
Total TPH	<49.9	U	49.9	mg/Kg		05/25/21 09:04	05/26/21 03:22	1
Surrogate 1-Chlorooctane		Qualifier	70 - 130			Prepared 05/25/21 09:04	Analyzed 05/26/21 03:22	Dil Fac

Method: 300.0 - Anions, Ion Chrom	natography - S	Soluble						
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	173		5.00	mg/Kg			05/27/21 00:11	1

70 - 130

Client Sample ID: CS15-Surface

Released to Imaging: 2/2/2023 8:12:44 AM

Date Collected: 05/21/21 00:00

o-Terphenyl

Lab Sample ID: 890-716-29 **Matrix: Solid** Date Received: 05/21/21 13:48

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	mg/Kg		05/24/21 09:37	05/25/21 01:57	1
Toluene	<0.00200	U	0.00200	mg/Kg		05/24/21 09:37	05/25/21 01:57	1
Ethylbenzene	<0.00200	U	0.00200	mg/Kg		05/24/21 09:37	05/25/21 01:57	1
m-Xylene & p-Xylene	<0.00401	U	0.00401	mg/Kg		05/24/21 09:37	05/25/21 01:57	1
o-Xylene	<0.00200	U	0.00200	mg/Kg		05/24/21 09:37	05/25/21 01:57	1
Xylenes, Total	<0.00401	U	0.00401	mg/Kg		05/24/21 09:37	05/25/21 01:57	1
Total BTEX	<0.00401	U	0.00401	mg/Kg		05/24/21 09:37	05/25/21 01:57	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	110		70 - 130			05/24/21 09:37	05/25/21 01:57	1
1,4-Difluorobenzene (Surr)	123		70 - 130			05/24/21 09:37	05/25/21 01:57	1
Method: 8015B NM - Diesel Ra	ange Organics (D	RO) (GC)						
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0	mg/Kg		05/25/21 09:04	05/26/21 03:43	1

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05/26/21 03:22

05/25/21 09:04

Client: EOR/Ridgeway Arizona Oil Corp Project/Site: Mizar 11 Fed Com 14

Job ID: 890-716-1

Client Sample ID: CS15-Surface

Date Collected: 05/21/21 00:00 Date Received: 05/21/21 13:48

Lab Sample ID: 890-716-29

Matrix: Solid

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics (Over	<50.0	U	50.0	mg/Kg		05/25/21 09:04	05/26/21 03:43	1
C10-C28)								
OII Range Organics (Over C28-C36)	<50.0	U	50.0	mg/Kg		05/25/21 09:04	05/26/21 03:43	1
Total TPH	<50.0	U	50.0	mg/Kg		05/25/21 09:04	05/26/21 03:43	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane	91		70 - 130			05/25/21 09:04	05/26/21 03:43	1
o-Terphenyl	86		70 - 130			05/25/21 09:04	05/26/21 03:43	1
Method: 300.0 - Anions, Ion Chro	omatography -	Soluble						
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac

Client Sample ID: CS15-1' Lab Sample ID: 890-716-30 Date Collected: 05/21/21 00:00

Matrix: Solid

Date Received: 05/21/21 13:48

Method: 8021B - Volatile Org	ganic Compounds (C	30)						
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00198	U	0.00198	mg/Kg		05/24/21 09:37	05/25/21 02:18	1
Toluene	<0.00198	U	0.00198	mg/Kg		05/24/21 09:37	05/25/21 02:18	1
Ethylbenzene	<0.00198	U	0.00198	mg/Kg		05/24/21 09:37	05/25/21 02:18	1
m-Xylene & p-Xylene	<0.00397	U	0.00397	mg/Kg		05/24/21 09:37	05/25/21 02:18	1
o-Xylene	<0.00198	U	0.00198	mg/Kg		05/24/21 09:37	05/25/21 02:18	1
Xylenes, Total	< 0.00397	U	0.00397	mg/Kg		05/24/21 09:37	05/25/21 02:18	1
Total BTEX	<0.00397	U	0.00397	mg/Kg		05/24/21 09:37	05/25/21 02:18	1

Surrogate	%Recovery Qualif	fier Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	119	70 - 130	05/24/21 09:37	05/25/21 02:18	1
1,4-Difluorobenzene (Surr)	121	70 - 130	05/24/21 09:37	05/25/21 02:18	1

Method: 8015B NM - Diesel	Range Organics (DRO) (GC)
Analyte	Result Qualifier

Method. 00 130 MM - Diesel Kang	je Organics (Di	RO) (GC)						
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics	<50.0	U	50.0	mg/Kg		05/25/21 09:04	05/26/21 04:04	1
(GRO)-C6-C10								
Diesel Range Organics (Over	<50.0	U	50.0	mg/Kg		05/25/21 09:04	05/26/21 04:04	1
C10-C28)								
OII Range Organics (Over C28-C36)	<50.0	U	50.0	mg/Kg		05/25/21 09:04	05/26/21 04:04	1
Total TPH	<50.0	U	50.0	mg/Kg		05/25/21 09:04	05/26/21 04:04	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane	85		70 - 130			05/25/21 09:04	05/26/21 04:04	1
o-Terphenyl	80		70 - 130			05/25/21 09:04	05/26/21 04:04	1

Method: 300.0 - Anions, Ion Chron	natography - Solul	ble					
Analyte	Result Quali	ifier RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	5 21	5.05	ma/Ka			05/27/21 00:21	1

Client: EOR/Ridgeway Arizona Oil Corp Project/Site: Mizar 11 Fed Com 14 Job ID: 890-716-1

Client Sample ID: CS16-Surface

Lab Sample ID: 890-716-31

Date Collected: 05/21/21 00:00 Date Received: 05/21/21 13:48 Matrice Solid

Matrix: Solid

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00198	U	0.00198	mg/Kg		05/25/21 08:50	05/25/21 16:59	1
Toluene	<0.00198	U	0.00198	mg/Kg		05/25/21 08:50	05/25/21 16:59	1
Ethylbenzene	<0.00198	U	0.00198	mg/Kg		05/25/21 08:50	05/25/21 16:59	1
m-Xylene & p-Xylene	<0.00396	U	0.00396	mg/Kg		05/25/21 08:50	05/25/21 16:59	1
o-Xylene	<0.00198	U	0.00198	mg/Kg		05/25/21 08:50	05/25/21 16:59	1
Xylenes, Total	< 0.00396	U	0.00396	mg/Kg		05/25/21 08:50	05/25/21 16:59	1
Total BTEX	<0.00396	U	0.00396	mg/Kg		05/25/21 08:50	05/25/21 16:59	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	92		70 - 130			05/25/21 08:50	05/25/21 16:59	1
1,4-Difluorobenzene (Surr)	101		70 - 130			05/25/21 08:50	05/25/21 16:59	1
: Method: 8015B NM - Diesel Rang	ge Organics (DI	RO) (GC) Qualifier	70 - 130 R L	Unit	D	05/25/21 08:50 Prepared	05/25/21 16:59 Analyzed	1 Dil Fac
1,4-Difluorobenzene (Surr) Method: 8015B NM - Diesel Rang Analyte Gasoline Range Organics (GRO)-C6-C10	ge Organics (DI	Qualifier		Unit mg/Kg	<u>D</u>			Dil Fac
Method: 8015B NM - Diesel Rang Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over	ge Organics (DI	Qualifier U	RL		<u>D</u>	Prepared	Analyzed	1 Dil Fac
Method: 8015B NM - Diesel Rang Analyte Gasoline Range Organics (GRO)-C6-C10	ge Organics (DI Result <49.8	Qualifier U	RL 49.8	mg/Kg	<u> </u>	Prepared 05/25/21 09:04	Analyzed 05/26/21 04:46	1 Dil Fac 1 1 1
Method: 8015B NM - Diesel Rang Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28)	ge Organics (DI Result <49.8	Qualifier U U	RL 49.8	mg/Kg	<u>D</u>	Prepared 05/25/21 09:04 05/25/21 09:04	Analyzed 05/26/21 04:46 05/26/21 04:46	Dil Fac 1 1 1
Method: 8015B NM - Diesel Rang Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Oll Range Organics (Over C28-C36)	ge Organics (DI Result <49.8 <49.8 <49.8	Qualifier U U U U	RL 49.8 49.8 49.8	mg/Kg mg/Kg mg/Kg	<u>D</u>	Prepared 05/25/21 09:04 05/25/21 09:04 05/25/21 09:04	Analyzed 05/26/21 04:46 05/26/21 04:46 05/26/21 04:46	1 Dil Fac 1 1 1 Dil Fac
Method: 8015B NM - Diesel Rang Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) OII Range Organics (Over C28-C36) Total TPH	ge Organics (DI Result <49.8 <49.8 <49.8 <49.8	Qualifier U U U U	RL 49.8 49.8 49.8 49.8	mg/Kg mg/Kg mg/Kg	<u>D</u>	Prepared 05/25/21 09:04 05/25/21 09:04 05/25/21 09:04 05/25/21 09:04	Analyzed 05/26/21 04:46 05/26/21 04:46 05/26/21 04:46 05/26/21 04:46	1 Dil Fac 1 1 1 Dil Fac 1

Client Sample ID: CS16-1'

Date Collected: 05/21/21 00:00

Lab Sample ID: 890-716-32

Matrix: Solid

RL

4.96

Unit

mg/Kg

D

Prepared

Result Qualifier

<4.96 U

Date Received: 05/21/21 13:48

Analyte

Chloride

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	mg/Kg		05/25/21 08:50	05/25/21 17:19	1
Toluene	<0.00200	U	0.00200	mg/Kg		05/25/21 08:50	05/25/21 17:19	1
Ethylbenzene	<0.00200	U	0.00200	mg/Kg		05/25/21 08:50	05/25/21 17:19	1
m-Xylene & p-Xylene	<0.00399	U	0.00399	mg/Kg		05/25/21 08:50	05/25/21 17:19	1
o-Xylene	<0.00200	U	0.00200	mg/Kg		05/25/21 08:50	05/25/21 17:19	1
Xylenes, Total	<0.00399	U	0.00399	mg/Kg		05/25/21 08:50	05/25/21 17:19	1
Total BTEX	<0.00399	U	0.00399	mg/Kg		05/25/21 08:50	05/25/21 17:19	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	94		70 - 130			05/25/21 08:50	05/25/21 17:19	1
1,4-Difluorobenzene (Surr)	97		70 - 130			05/25/21 08:50	05/25/21 17:19	1
- Method: 8015B NM - Diesel Ra	ange Organics (D	RO) (GC)						
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics	<49.9	U	49.9	mg/Kg		05/26/21 14:55	05/27/21 06:05	1

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10

12

13

Dil Fac

Analyzed

05/27/21 01:00

Job ID: 890-716-1

05/27/21 01:15

Client: EOR/Ridgeway Arizona Oil Corp Project/Site: Mizar 11 Fed Com 14

Chloride

Analyte

Chloride

Client Sample ID: CS16-1'

Lab Sample ID: 890-716-32

Date Collected: 05/21/21 00:00 **Matrix: Solid** Date Received: 05/21/21 13:48

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics (Over	<49.9	U	49.9	mg/Kg		05/26/21 14:55	05/27/21 06:05	1
C10-C28)								
Oll Range Organics (Over C28-C36)	<49.9	U	49.9	mg/Kg		05/26/21 14:55	05/27/21 06:05	1
Total TPH	<49.9	U	49.9	mg/Kg		05/26/21 14:55	05/27/21 06:05	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane	95		70 - 130			05/26/21 14:55	05/27/21 06:05	1
o-Terphenyl	80		70 - 130			05/26/21 14:55	05/27/21 06:05	1
o-Terphenyl - -	80		70 - 130			05/26/21 14:55	05/27/21 06:05	
Method: 300.0 - Anions, Ion Chro	omatography -	Soluble						
Analyte		Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac

Client Sample ID: CS17-Surface Lab Sample ID: 890-716-33

5.00

mg/Kg

Date Collected: 05/21/21 00:00 **Matrix: Solid**

6.44

Result Qualifier

8.27

Date Received: 05/21/21 13:48 Method: 8021B - Volatile Organic Compounds (GC) Analyte Result Qualifier RL Unit Prepared Dil Fac Analyzed Benzene <0.00200 Ū 0.00200 05/25/21 08:50 05/25/21 17:40 mg/Kg Toluene <0.00200 0.00200 mg/Kg 05/25/21 08:50 05/25/21 17:40 Ethylbenzene <0.00200 U 0.00200 05/25/21 08:50 05/25/21 17:40 mg/Kg 05/25/21 17:40 m-Xylene & p-Xylene <0.00399 U 0.00399 mg/Kg 05/25/21 08:50 o-Xylene <0.00200 U 0.00200 mg/Kg 05/25/21 08:50 05/25/21 17:40 Xylenes, Total <0.00399 U 0.00399 mg/Kg 05/25/21 08:50 05/25/21 17:40 Total BTEX <0.00399 U 0.00399 05/25/21 08:50 05/25/21 17:40 mg/Kg Surrogate %Recovery Qualifier Limits Prepared Analyzed Dil Fac 4-Bromofluorobenzene (Surr) 93 70 - 130 05/25/21 08:50 05/25/21 17:40 1,4-Difluorobenzene (Surr) 99 70 - 130 05/25/21 08:50 05/25/21 17:40

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics	<49.9	U	49.9	mg/Kg		05/25/21 09:04	05/26/21 05:29	1
(GRO)-C6-C10								
Diesel Range Organics (Over	<49.9	U	49.9	mg/Kg		05/25/21 09:04	05/26/21 05:29	1
C10-C28)								
Oll Range Organics (Over C28-C36)	<49.9	U	49.9	mg/Kg		05/25/21 09:04	05/26/21 05:29	1
Total TPH	<49.9	U	49.9	mg/Kg		05/25/21 09:04	05/26/21 05:29	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane	110		70 - 130			05/25/21 09:04	05/26/21 05:29	1
o-Terphenyl	102		70 - 130			05/25/21 09:04	05/26/21 05:29	1

RL

5.00

Unit

mg/Kg

D

Prepared

Eurofins Xenco, Carlsbad

Analyzed

05/27/21 01:20

Dil Fac

Client: EOR/Ridgeway Arizona Oil Corp Project/Site: Mizar 11 Fed Com 14

Job ID: 890-716-1

Client Sample ID: CS17-1'

Lab Sample ID: 890-716-34

Date Collected: 05/21/21 00:00 Date Received: 05/21/21 13:48

Matrix: Solid

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	mg/Kg		05/25/21 08:50	05/25/21 18:00	1
Toluene	<0.00200	U	0.00200	mg/Kg		05/25/21 08:50	05/25/21 18:00	1
Ethylbenzene	<0.00200	U	0.00200	mg/Kg		05/25/21 08:50	05/25/21 18:00	1
m-Xylene & p-Xylene	<0.00400	U	0.00400	mg/Kg		05/25/21 08:50	05/25/21 18:00	1
o-Xylene	<0.00200	U	0.00200	mg/Kg		05/25/21 08:50	05/25/21 18:00	1
Xylenes, Total	<0.00400	U	0.00400	mg/Kg		05/25/21 08:50	05/25/21 18:00	1
Total BTEX	<0.00400	U	0.00400	mg/Kg		05/25/21 08:50	05/25/21 18:00	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fa
4-Bromofluorobenzene (Surr)	92		70 - 130			05/25/21 08:50	05/25/21 18:00	1
1,4-Difluorobenzene (Surr)	99		70 - 130			05/25/21 08:50	05/25/21 18:00	1
- Method: 8015B NM - Diesel Ra	ange Organics (DI	RO) (GC)						
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics	<49.9	U	49.9	mg/Kg		05/25/21 09:04	05/26/21 05:50	1
(GRO)-C6-C10								
	.40.0		40.0			05/05/04 00 04	05/00/04 05 50	
Diesel Range Organics (Over	<49.9	U	49.9	mg/Kg		05/25/21 09:04	05/26/21 05:50	1

Surrogate %Recovery Qualifier Limits Prepared Analyzed Dil Fac 1-Chlorooctane 102 70 - 130 05/25/21 09:04 05/26/21 05:50 o-Terphenyl 93 70 - 130 05/25/21 09:04 05/26/21 05:50

49.9

49.9

mg/Kg

mg/Kg

05/25/21 09:04

05/25/21 09:04

<49.9 U

<49.9 U

Method: 300.0 - Anions, Ion Chromatography - Soluble Result Qualifier RLUnit D Prepared Analyte Analyzed Dil Fac <4.99 U Chloride 4.99 mg/Kg 05/27/21 01:25

Client Sample ID: CS18-Surface

Lab Sample ID: 890-716-35

05/26/21 05:50

05/26/21 05:50

Date Collected: 05/21/21 00:00 Date Received: 05/21/21 13:48

Oll Range Organics (Over C28-C36)

Total TPH

Matrix: Solid

Method: 8021B - Volatile Orga Analyte	•	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199		0.00199	mg/Kg		05/25/21 08:50	05/25/21 18:20	1
Toluene	<0.00199		0.00199	mg/Kg		05/25/21 08:50	05/25/21 18:20	
Ethylbenzene	<0.00199		0.00199	mg/Kg		05/25/21 08:50	05/25/21 18:20	1
m-Xylene & p-Xylene	<0.00398	U	0.00398	mg/Kg		05/25/21 08:50	05/25/21 18:20	1
o-Xylene	<0.00199	U	0.00199	mg/Kg		05/25/21 08:50	05/25/21 18:20	1
Xylenes, Total	<0.00398	U	0.00398	mg/Kg		05/25/21 08:50	05/25/21 18:20	1
Total BTEX	<0.00398	U	0.00398	mg/Kg		05/25/21 08:50	05/25/21 18:20	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	97		70 - 130			05/25/21 08:50	05/25/21 18:20	1
1,4-Difluorobenzene (Surr)	101		70 - 130			05/25/21 08:50	05/25/21 18:20	1
Method: 8015B NM - Diesel Ra	ange Organics (D	RO) (GC)						
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0	mg/Kg		05/25/21 09:04	05/26/21 06:11	1

Job ID: 890-716-1

Client: EOR/Ridgeway Arizona Oil Corp Project/Site: Mizar 11 Fed Com 14

Lab Sample ID: 890-716-35

Matrix: Solid

Client Sample ID: CS18-Surface

Date Collected: 05/21/21 00:00 Date Received: 05/21/21 13:48

i	
l	Method: 8015B NM - Diesel Range Organics (DRO) (GC) (Continued)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics (Over	<50.0	U	50.0	mg/Kg		05/25/21 09:04	05/26/21 06:11	1
C10-C28)								
Oll Range Organics (Over C28-C36)	<50.0	U	50.0	mg/Kg		05/25/21 09:04	05/26/21 06:11	1
Total TPH	<50.0	U	50.0	mg/Kg		05/25/21 09:04	05/26/21 06:11	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane	91		70 - 130			05/25/21 09:04	05/26/21 06:11	1
o-Terphenyl	84		70 - 130			05/25/21 09:04	05/26/21 06:11	1

Method: 300.0 - Anions, Ion Chron	atography - Soluble)					
Analyte	Result Qualifie	r RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<5.04 U	5.04	mg/Kg	 _		05/27/21 01:30	1

Client Sample ID: CS18-1'

Lab Sample ID: 890-716-36 Date Collected: 05/21/21 00:00 Matrix: Solid

Date Received: 05/21/21 13:48

Method: 8021B - Volatile Or	ganic Compounds (GC)						
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201	mg/Kg		05/25/21 08:50	05/25/21 18:41	1
Toluene	<0.00201	U	0.00201	mg/Kg		05/25/21 08:50	05/25/21 18:41	1
Ethylbenzene	<0.00201	U	0.00201	mg/Kg		05/25/21 08:50	05/25/21 18:41	1
m-Xylene & p-Xylene	<0.00402	U	0.00402	mg/Kg		05/25/21 08:50	05/25/21 18:41	1
o-Xylene	<0.00201	U	0.00201	mg/Kg		05/25/21 08:50	05/25/21 18:41	1
Xylenes, Total	<0.00402	U	0.00402	mg/Kg		05/25/21 08:50	05/25/21 18:41	1
Total BTEX	<0.00402	U	0.00402	mg/Kg		05/25/21 08:50	05/25/21 18:41	1

Surrogate	%Recovery Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	91	70 - 130	05/25/21 08:50	05/25/21 18:41	1
1.4-Difluorobenzene (Surr)	99	70 - 130	05/25/21 08:50	05/25/21 18:41	1

Method: 8015B NM - Diesel Rang	ge Organics (D	RO) (GC)						
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics	<50.0	U	50.0	mg/Kg		05/25/21 09:04	05/26/21 06:32	1
(GRO)-C6-C10								
Diesel Range Organics (Over	<50.0	U	50.0	mg/Kg		05/25/21 09:04	05/26/21 06:32	1
C10-C28)								
Oll Range Organics (Over C28-C36)	<50.0	U	50.0	mg/Kg		05/25/21 09:04	05/26/21 06:32	1
Total TPH	<50.0	U	50.0	mg/Kg		05/25/21 09:04	05/26/21 06:32	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane	87		70 - 130			05/25/21 09:04	05/26/21 06:32	1
o-Terphenyl	82		70 - 130			05/25/21 09:04	05/26/21 06:32	1

Method: 300.0 - Anions, Ion Chrom	natography - Soluble							
Analyte	Result Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac	
Chloride	<5.05 U	5.05	ma/Ka			05/27/21 01:44	1	

Client: EOR/Ridgeway Arizona Oil Corp

Job ID: 890-716-1

Project/Site: Mizar 11 Fed Com 14

Client Sample ID: CS19-Surface Lab Sample ID: 890-716-37

Matrix: Solid

Date Collected: 05/21/21 00:00 Date Received: 05/21/21 13:48

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199	mg/Kg		05/25/21 08:50	05/25/21 19:01	1
Toluene	<0.00199	U	0.00199	mg/Kg		05/25/21 08:50	05/25/21 19:01	1
Ethylbenzene	<0.00199	U	0.00199	mg/Kg		05/25/21 08:50	05/25/21 19:01	1
m-Xylene & p-Xylene	<0.00398	U	0.00398	mg/Kg		05/25/21 08:50	05/25/21 19:01	1
o-Xylene	<0.00199	U	0.00199	mg/Kg		05/25/21 08:50	05/25/21 19:01	1
Xylenes, Total	<0.00398	U	0.00398	mg/Kg		05/25/21 08:50	05/25/21 19:01	1
Total BTEX	<0.00398	U	0.00398	mg/Kg		05/25/21 08:50	05/25/21 19:01	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	93		70 - 130			05/25/21 08:50	05/25/21 19:01	1
1,4-Difluorobenzene (Surr)	99		70 - 130			05/25/21 08:50	05/25/21 19:01	1

Method: 8015B NM - Diesel Rang	ge Organics (D	RO) (GC)						
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics	<49.9	U	49.9	mg/Kg		05/25/21 09:04	05/26/21 06:53	1
(GRO)-C6-C10								
Diesel Range Organics (Over	<49.9	U	49.9	mg/Kg		05/25/21 09:04	05/26/21 06:53	1
C10-C28)								
Oll Range Organics (Over C28-C36)	<49.9	U	49.9	mg/Kg		05/25/21 09:04	05/26/21 06:53	1
Total TPH	<49.9	U	49.9	mg/Kg		05/25/21 09:04	05/26/21 06:53	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane	85		70 - 130			05/25/21 09:04	05/26/21 06:53	1
o-Terphenyl	79		70 - 130			05/25/21 09:04	05/26/21 06:53	1

Method: 300.0 - Anions, Ion Chro	matography -	Soluble						
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<4.98	U	4.98	mg/Kg			05/27/21 01:49	1

Client Sample ID: CS19-1' Lab Sample ID: 890-716-38 Date Collected: 05/21/21 00:00 Matrix: Solid

Date Received: 05/21/21 13:48

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199	mg/Kg		05/25/21 08:50	05/25/21 19:22	1
Toluene	<0.00199	U	0.00199	mg/Kg		05/25/21 08:50	05/25/21 19:22	1
Ethylbenzene	<0.00199	U	0.00199	mg/Kg		05/25/21 08:50	05/25/21 19:22	1
m-Xylene & p-Xylene	<0.00398	U	0.00398	mg/Kg		05/25/21 08:50	05/25/21 19:22	1
o-Xylene	<0.00199	U	0.00199	mg/Kg		05/25/21 08:50	05/25/21 19:22	1
Xylenes, Total	<0.00398	U	0.00398	mg/Kg		05/25/21 08:50	05/25/21 19:22	1
Total BTEX	<0.00398	U	0.00398	mg/Kg		05/25/21 08:50	05/25/21 19:22	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	92		70 - 130			05/25/21 08:50	05/25/21 19:22	1
1,4-Difluorobenzene (Surr)	100		70 - 130			05/25/21 08:50	05/25/21 19:22	1
Method: 8015B NM - Diesel Ra	ange Organics (D	RO) (GC)						
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0	mg/Kg		05/25/21 09:04	05/26/21 07:14	1

Client: EOR/Ridgeway Arizona Oil Corp Project/Site: Mizar 11 Fed Com 14

Job ID: 890-716-1

Lab Sample ID: 890-716-38

Matrix: Solid

Client Sample ID: CS19-1'

Date Collected: 05/21/21 00:00 Date Received: 05/21/21 13:48

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics (Over	<50.0	U	50.0	mg/Kg		05/25/21 09:04	05/26/21 07:14	1
C10-C28)								
OII Range Organics (Over C28-C36)	<50.0	U	50.0	mg/Kg		05/25/21 09:04	05/26/21 07:14	1
Total TPH	<50.0	U	50.0	mg/Kg		05/25/21 09:04	05/26/21 07:14	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane	64	S1-	70 - 130			05/25/21 09:04	05/26/21 07:14	1
o-Terphenyl	56	S1-	70 - 130			05/25/21 09:04	05/26/21 07:14	1
Method: 300.0 - Anions, Ion Chro	omatography -	Soluble						
Method: 300.0 - Anions, Ion Chro Analyte	•	Soluble Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac

Client Sample ID: CS20-Surface

Lab Sample ID: 890-716-39

Date Collected: 05/21/21 00:00 Matrix: Solid

Date Received: 05/21/21 13:48

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	mg/Kg		05/25/21 08:50	05/25/21 19:42	
Toluene	<0.00200	U	0.00200	mg/Kg		05/25/21 08:50	05/25/21 19:42	
Ethylbenzene	<0.00200	U	0.00200	mg/Kg		05/25/21 08:50	05/25/21 19:42	
m-Xylene & p-Xylene	<0.00400	U	0.00400	mg/Kg		05/25/21 08:50	05/25/21 19:42	
o-Xylene	<0.00200	U	0.00200	mg/Kg		05/25/21 08:50	05/25/21 19:42	
Xylenes, Total	<0.00400	U	0.00400	mg/Kg		05/25/21 08:50	05/25/21 19:42	
Total BTEX	<0.00400	U	0.00400	mg/Kg		05/25/21 08:50	05/25/21 19:42	
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fa
4-Bromofluorobenzene (Surr)	89		70 - 130			05/25/21 08:50	05/25/21 19:42	
1,4-Difluorobenzene (Surr)	97		70 - 130			05/25/21 08:50	05/25/21 19:42	
Method: 8015B NM - Diesel Ranç Analyte	• • •	RO) (GC) Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fa
Method: 8015B NM - Diesel Rang	ge Organics (D	RO) (GC)						
Analyte	Result	Qualifier			<u>D</u>	<u> </u>		
Analyte Gasoline Range Organics	• • •	Qualifier	RL 49.9	Unit mg/Kg	<u>D</u>	Prepared 05/25/21 09:04	Analyzed 05/26/21 07:36	
Analyte Gasoline Range Organics (GRO)-C6-C10	Result	Qualifier U			<u>D</u>	<u> </u>		
Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over	Result <49.9	Qualifier U	49.9	mg/Kg	<u> </u>	05/25/21 09:04	05/26/21 07:36	
Analyte Gasoline Range Organics	Result <49.9	Qualifier U	49.9	mg/Kg	<u>D</u>	05/25/21 09:04	05/26/21 07:36	
Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28)	Result <49.9 <49.9	Qualifier U U U	49.9	mg/Kg	<u>D</u>	05/25/21 09:04 05/25/21 09:04	05/26/21 07:36 05/26/21 07:36	
Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Oll Range Organics (Over C28-C36)	Result <49.9 <49.9 <49.9	Qualifier U U U U	49.9 49.9 49.9	mg/Kg mg/Kg mg/Kg	<u>D</u>	05/25/21 09:04 05/25/21 09:04 05/25/21 09:04	05/26/21 07:36 05/26/21 07:36 05/26/21 07:36	
Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Oll Range Organics (Over C28-C36) Total TPH	Result <49.9 <49.9 <49.9 <49.9 <49.9	Qualifier U U U U	49.9 49.9 49.9 49.9	mg/Kg mg/Kg mg/Kg	<u>D</u>	05/25/21 09:04 05/25/21 09:04 05/25/21 09:04 05/25/21 09:04	05/26/21 07:36 05/26/21 07:36 05/26/21 07:36 05/26/21 07:36	Dil Fa
Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Oll Range Organics (Over C28-C36) Total TPH Surrogate	Result	Qualifier U U U U	49.9 49.9 49.9 49.9 Limits	mg/Kg mg/Kg mg/Kg	<u>D</u>	05/25/21 09:04 05/25/21 09:04 05/25/21 09:04 05/25/21 09:04 Prepared	05/26/21 07:36 05/26/21 07:36 05/26/21 07:36 05/26/21 07:36 Analyzed	
Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) OII Range Organics (Over C28-C36) Total TPH Surrogate 1-Chlorooctane	Result	Qualifier U U U Qualifier S1-	49.9 49.9 49.9 49.9 Limits 70 - 130	mg/Kg mg/Kg mg/Kg	<u>D</u>	05/25/21 09:04 05/25/21 09:04 05/25/21 09:04 05/25/21 09:04 Prepared 05/25/21 09:04	05/26/21 07:36 05/26/21 07:36 05/26/21 07:36 05/26/21 07:36 Analyzed 05/26/21 07:36	Dil Fa
Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Oll Range Organics (Over C28-C36) Total TPH Surrogate 1-Chlorooctane o-Terphenyl	Result	Qualifier U U U Qualifier S1-	49.9 49.9 49.9 49.9 Limits 70 - 130	mg/Kg mg/Kg mg/Kg	<u>D</u>	05/25/21 09:04 05/25/21 09:04 05/25/21 09:04 05/25/21 09:04 Prepared 05/25/21 09:04	05/26/21 07:36 05/26/21 07:36 05/26/21 07:36 05/26/21 07:36 Analyzed 05/26/21 07:36	Dil Fa

Client: EOR/Ridgeway Arizona Oil Corp Project/Site: Mizar 11 Fed Com 14

Job ID: 890-716-1

Client Sample ID: CS20-1'

Lab Sample ID: 890-716-40

Date Collected: 05/21/21 00:00 Date Received: 05/21/21 13:48

Matrix: Solid

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00198	U	0.00198	mg/Kg		05/25/21 08:50	05/25/21 20:02	1
Toluene	<0.00198	U	0.00198	mg/Kg		05/25/21 08:50	05/25/21 20:02	1
Ethylbenzene	<0.00198	U	0.00198	mg/Kg		05/25/21 08:50	05/25/21 20:02	1
m-Xylene & p-Xylene	<0.00397	U	0.00397	mg/Kg		05/25/21 08:50	05/25/21 20:02	1
o-Xylene	<0.00198	U	0.00198	mg/Kg		05/25/21 08:50	05/25/21 20:02	1
Xylenes, Total	< 0.00397	U	0.00397	mg/Kg		05/25/21 08:50	05/25/21 20:02	1
Total BTEX	<0.00397	U	0.00397	mg/Kg		05/25/21 08:50	05/25/21 20:02	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	94		70 - 130			05/25/21 08:50	05/25/21 20:02	1
1,4-Difluorobenzene (Surr)	98		70 - 130			05/25/21 08:50	05/25/21 20:02	1

Method: 8015B NM - Diesel Range Organics (DRO) (GC) Analyte Result Qualifier RL Unit Prepared Analyzed Dil Fac <50.0 U Gasoline Range Organics 50.0 mg/Kg 05/25/21 09:04 05/26/21 07:57 (GRO)-C6-C10 Diesel Range Organics (Over <50.0 U 50.0 mg/Kg 05/25/21 09:04 05/26/21 07:57 C10-C28) Oll Range Organics (Over C28-C36) <50.0 U 50.0 mg/Kg 05/25/21 09:04 05/26/21 07:57 Total TPH 05/25/21 09:04 <50.0 U 50.0 05/26/21 07:57 mg/Kg Limits

%Recovery Qualifier Prepared Dil Fac Surrogate Analyzed 1-Chlorooctane 91 70 - 130 05/25/21 09:04 05/26/21 07:57 o-Terphenyl 83 70 - 130 05/25/21 09:04 05/26/21 07:57

Method: 300.0 - Anions, Ion Chromatography - Soluble

Result Qualifier RL Analyte Unit D Prepared Analyzed Dil Fac <5.02 U Chloride 5.02 mg/Kg 05/27/21 02:04

Client Sample ID: CS21-Surface

Lab Sample ID: 890-716-41

Matrix: Solid

Date Collected: 05/21/21 00:00 Date Received: 05/21/21 13:48

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199	mg/Kg		05/25/21 10:23	05/25/21 22:20	1
Toluene	<0.00200	U	0.00200	mg/Kg		05/24/21 13:00	05/25/21 06:54	1
Ethylbenzene	<0.00200	U	0.00200	mg/Kg		05/24/21 13:00	05/25/21 06:54	1
m-Xylene & p-Xylene	<0.00401	U	0.00401	mg/Kg		05/24/21 13:00	05/25/21 06:54	1
o-Xylene	<0.00200	U	0.00200	mg/Kg		05/24/21 13:00	05/25/21 06:54	1
Xylenes, Total	<0.00401	U	0.00401	mg/Kg		05/24/21 13:00	05/25/21 06:54	1
Total BTEX	<0.00401	U	0.00401	mg/Kg		05/24/21 13:00	05/25/21 06:54	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	149	S1+	70 - 130	05/24/21 13:00	05/25/21 06:54	1
1,4-Difluorobenzene (Surr)	85		70 - 130	05/24/21 13:00	05/25/21 06:54	1

Method: 8015B NM - Diesel Ra	nge Organics (DRO) (GC)						
Analyte	Result Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics	<50.0 U	50.0	mg/Kg		05/24/21 16:09	05/25/21 20:45	1
(GRO)-C6-C10							

Client: EOR/Ridgeway Arizona Oil Corp Project/Site: Mizar 11 Fed Com 14

Client Sample ID: CS21-Surface

Date Collected: 05/21/21 00:00 Date Received: 05/21/21 13:48

Lab Sample ID: 890-716-41

Matrix: Solid

Job ID: 890-716-1

Method: 8015B NM - Diesel Rang	e Organics (DRO) (GC) (Continu	ed)
Analyte	Result Qualifier	RL

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics (Over	<50.0	U	50.0	mg/Kg		05/24/21 16:09	05/25/21 20:45	1
C10-C28)								
Oll Range Organics (Over C28-C36)	<50.0	U	50.0	mg/Kg		05/24/21 16:09	05/25/21 20:45	1
Total TPH	<50.0	U	50.0	mg/Kg		05/24/21 16:09	05/25/21 20:45	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	106		70 - 130	05/24/21 16:09	05/25/21 20:45	1
o-Terphenyl	110		70 - 130	05/24/21 16:09	05/25/21 20:45	1
_						

Method: 300.0 - Anions, Ion Chron	natography - Soluble						
Analyte	Result Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	18.4	5.00	mg/Kg			05/27/21 02:09	1

Client Sample ID: CS21-1' Lab Sample ID: 890-716-42

Date Collected: 05/21/21 00:00 Date Received: 05/21/21 13:48

Matrix: Solid

Method: 8021B - Volatile Org	ganic Compounds (GC)						
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	mg/Kg		05/25/21 10:23	05/25/21 22:45	1
Toluene	<0.00201	U	0.00201	mg/Kg		05/24/21 13:00	05/25/21 07:15	1
Ethylbenzene	<0.00201	U	0.00201	mg/Kg		05/24/21 13:00	05/25/21 07:15	1
m-Xylene & p-Xylene	<0.00402	U	0.00402	mg/Kg		05/24/21 13:00	05/25/21 07:15	1
o-Xylene	<0.00201	U	0.00201	mg/Kg		05/24/21 13:00	05/25/21 07:15	1
Xylenes, Total	<0.00402	U	0.00402	mg/Kg		05/24/21 13:00	05/25/21 07:15	1
Total BTEX	<0.00402	U	0.00402	mg/Kg		05/24/21 13:00	05/25/21 07:15	1

Surrogate	%Recovery Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	115	70 - 130	05/24/21 13:00	05/25/21 07:15	1
1,4-Difluorobenzene (Surr)	100	70 - 130	05/24/21 13:00	05/25/21 07:15	1

Method: 8015B NM - Diesel Rang	je Organics (Di	RO) (GC)						
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics	<50.0	U	50.0	mg/Kg		05/24/21 16:09	05/25/21 21:06	1
(GRO)-C6-C10								
Diesel Range Organics (Over	<50.0	U	50.0	mg/Kg		05/24/21 16:09	05/25/21 21:06	1
C10-C28)								
Oll Range Organics (Over C28-C36)	<50.0	U	50.0	mg/Kg		05/24/21 16:09	05/25/21 21:06	1
Total TPH	<50.0	U	50.0	mg/Kg		05/24/21 16:09	05/25/21 21:06	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane	104		70 - 130			05/24/21 16:09	05/25/21 21:06	1
o-Terphenyl	114		70 - 130			05/24/21 16:09	05/25/21 21:06	1

Method: 300.0 - Anions, Ion Chron	natography -	Soluble						
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<5.04	U	5.04	mg/Kg			05/27/21 02:23	1

Client: EOR/Ridgeway Arizona Oil Corp

Project/Site: Mizar 11 Fed Com 14

Lab Sample ID: 890-716-43

05/24/21 16:09

05/25/21 21:28

Matrix: Solid

Job ID: 890-716-1

Client Sample ID: CS22-Surface

Date Collected: 05/21/21 00:00 Date Received: 05/21/21 13:48

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199	mg/Kg		05/25/21 10:23	05/25/21 23:10	1
Toluene	<0.00200	U	0.00200	mg/Kg		05/24/21 13:00	05/25/21 07:35	1
Ethylbenzene	<0.00200	U	0.00200	mg/Kg		05/24/21 13:00	05/25/21 07:35	1
m-Xylene & p-Xylene	<0.00399	U	0.00399	mg/Kg		05/24/21 13:00	05/25/21 07:35	1
o-Xylene	<0.00200	U	0.00200	mg/Kg		05/24/21 13:00	05/25/21 07:35	1
Xylenes, Total	<0.00399	U	0.00399	mg/Kg		05/24/21 13:00	05/25/21 07:35	1
Total BTEX	<0.00399	U	0.00399	mg/Kg		05/24/21 13:00	05/25/21 07:35	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	98		70 - 130			05/24/21 13:00	05/25/21 07:35	1
1,4-Difluorobenzene (Surr)	89		70 - 130			05/24/21 13:00	05/25/21 07:35	1

Method: 8015B NM - Diesel Rang	e Organics (D	RO) (GC)						
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9	mg/Kg		05/24/21 16:09	05/25/21 21:28	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9	mg/Kg		05/24/21 16:09	05/25/21 21:28	1
Oll Range Organics (Over C28-C36)	<49.9	U	49.9	mg/Kg		05/24/21 16:09	05/25/21 21:28	1
Total TPH	<49.9	U	49.9	mg/Kg		05/24/21 16:09	05/25/21 21:28	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane	101		70 - 130			05/24/21 16:09	05/25/21 21:28	1

 Method: 300.0 - Anions, Ion Chron	natography - Soluble						
Analyte	Result Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	6.10	5.02	mg/Kg			05/27/21 02:28	1

70 - 130

98

Client Sample ID: CS22-1' Lab Sample ID: 890-716-44 **Matrix: Solid**

Date Collected: 05/21/21 00:00 Date Received: 05/21/21 13:48

o-Terphenyl

(GRO)-C6-C10

Released to Imaging: 2/2/2023 8:12:44 AM

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199	mg/Kg		05/25/21 10:23	05/25/21 23:36	1
Toluene	<0.00199	U	0.00199	mg/Kg		05/24/21 13:00	05/25/21 07:56	1
Ethylbenzene	<0.00199	U	0.00199	mg/Kg		05/24/21 13:00	05/25/21 07:56	1
m-Xylene & p-Xylene	<0.00398	U	0.00398	mg/Kg		05/24/21 13:00	05/25/21 07:56	1
o-Xylene	<0.00199	U	0.00199	mg/Kg		05/24/21 13:00	05/25/21 07:56	1
Xylenes, Total	<0.00398	U	0.00398	mg/Kg		05/24/21 13:00	05/25/21 07:56	1
Total BTEX	<0.00398	U	0.00398	mg/Kg		05/24/21 13:00	05/25/21 07:56	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	133	S1+	70 - 130			05/24/21 13:00	05/25/21 07:56	1
1,4-Difluorobenzene (Surr)	80		70 - 130			05/24/21 13:00	05/25/21 07:56	1
Method: 8015B NM - Diesel Ra	ange Organics (D	RO) (GC)						
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics	<50.0	П	50.0	mg/Kg		05/24/21 16:09	05/25/21 21:49	1

Job ID: 890-716-1

Matrix: Solid

Lab Sample ID: 890-716-44

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Client: EOR/Ridgeway Arizona Oil Corp Project/Site: Mizar 11 Fed Com 14

Client Sample ID: CS22-1'

Date Collected: 05/21/21 00:00

Date Received: 05/21/21 13:48

Method: 8015B NM - Diesel Range Organics (DRO) (GC) (Continued) Result Qualifier Unit D Prepared Analyzed Dil Fac Diesel Range Organics (Over <50.0 50.0 05/24/21 16:09 05/25/21 21:49 mg/Kg C10-C28) OII Range Organics (Over C28-C36) <50.0 U 50.0 mg/Kg 05/24/21 16:09 05/25/21 21:49 Total TPH <50.0 U 50.0 mg/Kg 05/24/21 16:09 05/25/21 21:49

Qualifier I imits Analyzed Dil Fac Surrogate %Recovery Prepared 1-Chlorooctane 92 70 - 130 05/24/21 16:09 05/25/21 21:49 o-Terphenyl 91 70 - 130 05/24/21 16:09 05/25/21 21:49

Method: 300.0 - Anions, Ion Chromatography - SolubleAnalyteResultQualifierRLUnitDPreparedAnalyzedDil FacChloride5.384.96mg/Kg05/27/21 02:431

Client Sample ID: CS23-Surface

Date Collected: 05/21/21 00:00 Date Received: 05/21/21 13:48 Lab Sample ID: 890-716-45

Matrix: Solid

Mathada 2004D Malatila Ormania Communia (CC)

Method: 8021B - Volatile Organic Compounds (GC) Dil Fac Analyte Result Qualifier RL Unit Prepared Analyzed <0.00198 Ū 0.00198 05/25/21 10:23 05/26/21 00:02 Benzene mg/Kg Toluene <0.00200 0.00200 mg/Kg 05/24/21 13:00 05/25/21 08:16 Ethylbenzene <0.00200 U 0.00200 05/24/21 13:00 05/25/21 08:16 mg/Kg m-Xylene & p-Xylene <0.00401 U 0.00401 mg/Kg 05/24/21 13:00 05/25/21 08:16 o-Xylene <0.00200 U 0.00200 mg/Kg 05/24/21 13:00 05/25/21 08:16 Xylenes, Total <0.00401 U 0.00401 mg/Kg 05/24/21 13:00 05/25/21 08:16 Total BTEX mg/Kg 05/25/21 08:16 <0.00401 U 0.00401 05/24/21 13:00

Surrogate %Recovery Qualifier Limits Prepared Analyzed Dil Fac 4-Bromofluorobenzene (Surr) 115 70 - 130 05/24/21 13:00 05/25/21 08:16 1,4-Difluorobenzene (Surr) 101 70 - 130 05/24/21 13:00 05/25/21 08:16

Method: 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte Result Qualifier Dil Fac RL Unit Prepared Analyzed Gasoline Range Organics <49.9 Ū 49.9 05/24/21 16:09 05/25/21 22:11 mg/Kg (GRO)-C6-C10 <49.9 U 49.9 05/24/21 16:09 05/25/21 22:11 Diesel Range Organics (Over mg/Kg C10-C28) OII Range Organics (Over C28-C36) <49.9 U 49.9 mg/Kg 05/24/21 16:09 05/25/21 22:11 Total TPH 05/24/21 16:09 05/25/21 22:11 <49.9 U 49.9 mg/Kg Surrogate %Recovery Qualifier Limits Prepared Analyzed Dil Fac 1-Chlorooctane 116 70 - 130 05/24/21 16:09 05/25/21 22:11

Method: 300.0 - Anions, Ion Chromatography - Soluble
Analyte Result Qualifier RL Unit D Prepared Analyzed Dil Fac

4.95

mg/Kg

70 - 130

107

<4.95 U

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05/25/21 22:11

05/27/21 02:48

05/24/21 16:09

a

3

8

9

11

4.0

o-Terphenyl

Chloride

Client: EOR/Ridgeway Arizona Oil Corp

Job ID: 890-716-1

Project/Site: Mizar 11 Fed Com 14

Lab Sample ID: 890-716-46

Matrix: Solid

Client Sample ID: CS23-1'

Date Collected: 05/21/21 00:00 Date Received: 05/21/21 13:48

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00197	U	0.00197	mg/Kg		05/25/21 10:23	05/26/21 00:27	1
Toluene	<0.00202	U	0.00202	mg/Kg		05/24/21 13:00	05/25/21 08:36	1
Ethylbenzene	<0.00202	U	0.00202	mg/Kg		05/24/21 13:00	05/25/21 08:36	1
m-Xylene & p-Xylene	<0.00403	U	0.00403	mg/Kg		05/24/21 13:00	05/25/21 08:36	1
o-Xylene	<0.00202	U	0.00202	mg/Kg		05/24/21 13:00	05/25/21 08:36	1
Xylenes, Total	< 0.00403	U	0.00403	mg/Kg		05/24/21 13:00	05/25/21 08:36	1
Total BTEX	<0.00403	U	0.00403	mg/Kg		05/24/21 13:00	05/25/21 08:36	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	137	S1+	70 - 130			05/24/21 13:00	05/25/21 08:36	1
1,4-Difluorobenzene (Surr)	90		70 - 130			05/24/21 13:00	05/25/21 08:36	1
-								
Method: 8015B NM - Diesel Rang	ge Organics (D	RO) (GC)						
	• • •	RO) (GC) Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Analyte Gasoline Range Organics	• • •	Qualifier	RL	Unit mg/Kg	<u>D</u>	Prepared 05/24/21 16:09	Analyzed 05/25/21 22:32	Dil Fac
Analyte Gasoline Range Organics (GRO)-C6-C10	Result	Qualifier U			<u>D</u>			1
Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over	Result <50.0	Qualifier U	50.0	mg/Kg	<u> </u>	05/24/21 16:09	05/25/21 22:32	Dil Fac
Analyte Gasoline Range Organics (GRO)-C6-C10	Result <50.0	Qualifier U	50.0	mg/Kg	<u>D</u>	05/24/21 16:09	05/25/21 22:32	1
Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28)	Result <50.0	Qualifier U U U	50.0	mg/Kg	<u>D</u>	05/24/21 16:09 05/24/21 16:09	05/25/21 22:32 05/25/21 22:32	1 1
Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Oll Range Organics (Over C28-C36)	Result <50.0 <50.0 <50.0	Qualifier U U U U	50.0 50.0 50.0	mg/Kg mg/Kg mg/Kg	<u>D</u>	05/24/21 16:09 05/24/21 16:09 05/24/21 16:09	05/25/21 22:32 05/25/21 22:32 05/25/21 22:32	1
Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) OII Range Organics (Over C28-C36) Total TPH	Result	Qualifier U U U U	50.0 50.0 50.0 50.0	mg/Kg mg/Kg mg/Kg	<u>D</u>	05/24/21 16:09 05/24/21 16:09 05/24/21 16:09 05/24/21 16:09	05/25/21 22:32 05/25/21 22:32 05/25/21 22:32 05/25/21 22:32	1 1 1

RL

5.04

Unit

mg/Kg

D

Prepared

Dil Fac

Analyzed

05/27/21 02:53

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte

Chloride

Result Qualifier

5.44

Client: EOR/Ridgeway Arizona Oil Corp

Job ID: 890-716-1

Project/Site: Mizar 11 Fed Com 14

Method: 8021B - Volatile Organic Compounds (GC)

Matrix: Solid Prep Type: Total/NA

Matrix: Solid				Prep Type: Total/NA
-				Percent Surrogate Recovery (Acceptance Limits)
		BFB1	DFBZ1	
Lab Sample ID	Client Sample ID	(70-130)	(70-130)	
820-756-A-11-G MS	Matrix Spike	110	94	. —— —— —— —— ——
820-756-A-11-H MSD	Matrix Spike Duplicate	132 S1+	87	
880-2390-A-1-H MS	Matrix Spike	104	107	
880-2390-A-1-I MSD	Matrix Spike Duplicate	86	100	
890-715-A-11-E MS	Matrix Spike	89	102	
890-715-A-11-F MSD	Matrix Spike Duplicate	100	103	
890-716-1	CS1-Surface	91	98	
890-716-1 MS	CS1-Surface	96	99	
890-716-1 MSD	CS1-Surface	95	94	
890-716-2	CS1-1'	96	100	
890-716-3	CS2-Surface	90	97	
890-716-4	CS2-1'	89	94	
890-716-5	CS3-Surface	93	97	
890-716-6	CS3-1'	87	94	
890-716-7	CS4-Surface	85	100	
890-716-8	CS4-1'	84	94	
890-716-9	CS5-Surface	93	96	
890-716-10	CS5-1'	95	100	
890-716-11	CS6-Surface	93	95	
890-716-12	CS6-1'	93	96	
890-716-13	CS7-Surface	96	95	
890-716-14	CS7-1'	85	101	
890-716-15	CS8-Surface	94	97	
890-716-16	CS8-1'	92	97	
890-716-17	CS9-urface	84	97	
890-716-18	CS9-unace	90	98	
890-716-19	CS10-Surface	87	96 96	
890-716-20	CS10-3unace	92		
	CS10-1 CS11-Surface	99	101 112	
890-716-21 890-716-21 MS				
	CS11-Surface	100	126	
890-716-21 MSD	CS11-Surface	92	112	
890-716-22	CS11-1'	113	139 S1+	
890-716-23	CS12-Surface	105	107	
890-716-24	CS12-1'	107	115	
890-716-25	CS13-Surface	91	114	
890-716-26	CS13-1'	122	135 S1+	
890-716-27	CS14-Surface	113	138 S1+	
890-716-28	CS14-1'	109	110	
890-716-29	CS15-Surface	110	123	
890-716-30	CS15-1'	119	121	
890-716-31	CS16-Surface	92	101	
890-716-32	CS16-1'	94	97	
890-716-33	CS17-Surface	93	99	
890-716-34	CS17-1'	92	99	
890-716-35	CS18-Surface	97	101	
890-716-36	CS18-1'	91	99	
890-716-37	CS19-Surface	93	99	
890-716-38	CS19-1'	92	100	
890-716-39	CS20-Surface	89	97	

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11

13

Client: EOR/Ridgeway Arizona Oil Corp

Job ID: 890-716-1

Project/Site: Mizar 11 Fed Com 14

Method: 8021B - Volatile Organic Compounds (GC) (Continued)

Matrix: Solid Prep Type: Total/NA

				Percent Surrogate Recovery (Accept
		BFB1	DFBZ1	
Lab Sample ID	Client Sample ID	(70-130)	(70-130)	
390-716-40	CS20-1'	94	98	
390-716-41	CS21-Surface	149 S1+	85	
90-716-42	CS21-1'	115	100	
90-716-43	CS22-Surface	98	89	
90-716-44	CS22-1'	133 S1+	80	
90-716-45	CS23-Surface	115	101	
90-716-46	CS23-1'	137 S1+	90	
.CS 880-3389/1-A	Lab Control Sample	107	92	
CS 880-3390/1-A	Lab Control Sample	95	120	
CS 880-3392/1-A	Lab Control Sample	110	100	
CS 880-3445/1-A	Lab Control Sample	109	104	
CS 880-3457/1-A	Lab Control Sample	98	98	
CSD 880-3389/2-A	Lab Control Sample Dup	99	88	
CSD 880-3390/2-A	Lab Control Sample Dup	90	111	
CSD 880-3392/2-A	Lab Control Sample Dup	98	103	
CSD 880-3445/2-A	Lab Control Sample Dup	102	104	
CSD 880-3457/2-A	Lab Control Sample Dup	92	90	
1B 880-3334/5-A	Method Blank	84	98	
1B 880-3385/5-A	Method Blank	94	99	
MB 880-3388/8	Method Blank	107	93	
IB 880-3389/5-A	Method Blank	108	91	
/IB 880-3390/5-A	Method Blank	98	92	
MB 880-3392/5-A	Method Blank	87	94	
ИВ 880-3445/5-A	Method Blank	86	96	
	Method Blank	69 S1-	79	
MB 880-3457/5-A				

DFBZ = 1,4-Difluorobenzene (Surr)

Method: 8015B NM - Diesel Range Organics (DRO) (GC)

Matrix: Solid Prep Type: Total/NA

				Percent Surrogate Recovery (Acceptance Limits)
		1001	OTPH1	
Lab Sample ID	Client Sample ID	(70-130)	(70-130)	
880-2503-A-21-B MS	Matrix Spike	88	73	
880-2503-A-21-C MSD	Matrix Spike Duplicate	89	73	
890-715-A-1-E MS	Matrix Spike	105	94	
890-715-A-1-F MSD	Matrix Spike Duplicate	103	93	
890-716-1	CS1-Surface	104	91	
890-716-1 MS	CS1-Surface	90	70	
890-716-1 MSD	CS1-Surface	101	80	
890-716-2	CS1-1'	110	97	
890-716-3	CS2-Surface	116	102	
890-716-4	CS2-1'	115	100	
890-716-5	CS3-Surface	112	98	
890-716-6	CS3-1'	115	99	
890-716-7	CS4-Surface	123	107	
890-716-8	CS4-1'	113	94	

Client: EOR/Ridgeway Arizona Oil Corp
Project/Site: Mizar 11 Fed Com 14

Job ID: 890-716-1

Method: 8015B NM - Diesel Range Organics (DRO) (GC) (Continued)

Matrix: Solid				Prep Type: Total/NA
				Percent Surrogate Recovery (Acceptance Limits)
		1001	OTPH1	
Lab Sample ID	Client Sample ID	(70-130)	(70-130)	
890-716-9	CS5-Surface	115	101	
890-716-10	CS5-1'	115	101	
890-716-11	CS6-Surface	112	96	
890-716-12	CS6-1'	114	96	
890-716-13	CS7-Surface	104	90	
890-716-14	CS7-1'	113	96	
890-716-15	CS8-Surface	134 S1+	113	
890-716-16	CS8-1'	112	97	
890-716-17	CS9-urface	115	100	
890-716-18	CS9-1'	112	96	
890-716-19	CS10-Surface	113	97	
890-716-20	CS10-1'	114	99	
890-716-21	CS11-Surface	93	89	
890-716-21 MS	CS11-Surface	83	70	
890-716-21 MSD	CS11-Surface	88	74	
890-716-22	CS11-1'	91	85	
890-716-23	CS12-Surface	86	80	
890-716-24	CS12-1'	108	102	
890-716-25	CS13-Surface	100	91	
890-716-26	CS13-1'	103	101	
890-716-27	CS14-Surface	87	81	
890-716-28	CS14-1'	94	89	
890-716-29	CS15-Surface	91	86	
890-716-30	CS15-1'	85	80	
890-716-31	CS16-Surface	80	75	
890-716-32	CS16-1'	95	80	
890-716-33	CS17-Surface	110	102	
890-716-34	CS17-1'	102	93	
890-716-35	CS17-1 CS18-Surface	91	84	
890-716-36	CS18-1'	87	82	
890-716-37	CS19-Surface	85	79	
890-716-38	CS19-1'	64 S1-	56 S1-	
890-716-39	CS20-Surface	75	67 S1-	
890-716-40	CS20-1'	91	83	
890-716-41	CS21-Surface	106	110	
890-716-42	CS21-1'	104	114	
890-716-43	CS22-Surface	101	98	
890-716-44	CS22-1'	92	91	
890-716-45	CS23-Surface	116	107	
890-716-46	CS23-1'	111	104	
LCS 880-3429/2-A	Lab Control Sample	110	107	
LCS 880-3444/2-A	Lab Control Sample	114	101	
LCS 880-3450/2-A	Lab Control Sample	103	95	
LCS 880-3539/2-A	Lab Control Sample	106	87	
LCSD 880-3429/3-A	Lab Control Sample Dup	115	106	
LCSD 880-3444/3-A	Lab Control Sample Dup	119	100	
LCSD 880-3450/3-A	Lab Control Sample Dup	106	97	
LCSD 880-3539/3-A	Lab Control Sample Dup	96	78	
MB 880-3429/1-A	Method Blank	101	107	
MB 880-3444/1-A	Method Blank	112	105	

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Client: EOR/Ridgeway Arizona Oil Corp Job ID: 890-716-1

Project/Site: Mizar 11 Fed Com 14

OTPH = o-Terphenyl

Method: 8015B NM - Diesel Range Organics (DRO) (GC) (Continued)

Matrix: Solid Prep Type: Total/NA

				Percent Surro
		1CO1	OTPH1	
Lab Sample ID	Client Sample ID	(70-130)	(70-130)	
MB 880-3450/1-A	Method Blank	102	102	
MB 880-3539/1-A	Method Blank	93	86	
Surrogate Legend				
1CO = 1-Chlorooctane				

Client: EOR/Ridgeway Arizona Oil Corp Project/Site: Mizar 11 Fed Com 14

Job ID: 890-716-1

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 880-3334/5-A

Matrix: Solid

Matrix: Solid

Analysis Batch: 3386

Client	Sample	ID:	Meth	od I	3lank	(
	D.		T	T-4	-1/NIA	

Prep Type: Total/NA

Prep Batch: 3334

	MB	MB						
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	mg/Kg		05/24/21 08:30	05/24/21 12:01	1
Toluene	<0.00200	U	0.00200	mg/Kg		05/24/21 08:30	05/24/21 12:01	1
Ethylbenzene	<0.00200	U	0.00200	mg/Kg		05/24/21 08:30	05/24/21 12:01	1
m-Xylene & p-Xylene	<0.00400	U	0.00400	mg/Kg		05/24/21 08:30	05/24/21 12:01	1
o-Xylene	<0.00200	U	0.00200	mg/Kg		05/24/21 08:30	05/24/21 12:01	1
Xylenes, Total	<0.00400	U	0.00400	mg/Kg		05/24/21 08:30	05/24/21 12:01	1
Total BTEX	<0.00400	U	0.00400	mg/Kg		05/24/21 08:30	05/24/21 12:01	1
	МВ	МВ						

Surrogate	%Recovery	Qualifier	Limits		Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	84		70 - 130	0.	05/24/21 08:30	05/24/21 12:01	1
1,4-Difluorobenzene (Surr)	98		70 - 130	0	05/24/21 08:30	05/24/21 12:01	1

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 3385

Analysis Batch: 3387

Lab Sample ID: MB 880-3385/5-A

MB MB

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	mg/Kg		05/24/21 08:38	05/24/21 11:49	1
Toluene	<0.00200	U	0.00200	mg/Kg		05/24/21 08:38	05/24/21 11:49	1
Ethylbenzene	<0.00200	U	0.00200	mg/Kg		05/24/21 08:38	05/24/21 11:49	1
m-Xylene & p-Xylene	<0.00400	U	0.00400	mg/Kg		05/24/21 08:38	05/24/21 11:49	1
o-Xylene	<0.00200	U	0.00200	mg/Kg		05/24/21 08:38	05/24/21 11:49	1
Xylenes, Total	<0.00400	U	0.00400	mg/Kg		05/24/21 08:38	05/24/21 11:49	1
Total BTEX	<0.00400	U	0.00400	mg/Kg		05/24/21 08:38	05/24/21 11:49	1

мв мв

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	94		70 - 130	05/24/21 08:38	05/24/21 11:49	1
1,4-Difluorobenzene (Surr)	99		70 - 130	05/24/21 08:38	05/24/21 11:49	1

Lab Sample ID: MB 880-3388/8

Matrix: Solid

Analysis Batch: 3388

Client Sample ID: Method Blank Prep Type: Total/NA

	MB	MB						
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	mg/Kg			05/24/21 13:36	1
Toluene	<0.00200	U	0.00200	mg/Kg			05/24/21 13:36	1
Ethylbenzene	<0.00200	U	0.00200	mg/Kg			05/24/21 13:36	1
m-Xylene & p-Xylene	<0.00400	U	0.00400	mg/Kg			05/24/21 13:36	1
o-Xylene	<0.00200	U	0.00200	mg/Kg			05/24/21 13:36	1
Xylenes, Total	<0.00400	U	0.00400	mg/Kg			05/24/21 13:36	1
Total BTEX	<0.00400	U	0.00400	mg/Kg			05/24/21 13:36	1

Surrogate	%Recovery	Qualifier	Limits	Pre	epared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	107		70 - 130			05/24/21 13:36	1
1,4-Difluorobenzene (Surr)	93		70 - 130			05/24/21 13:36	1

QC Sample Results

Client: EOR/Ridgeway Arizona Oil Corp Project/Site: Mizar 11 Fed Com 14

Job ID: 890-716-1

Method: 8021B - Volatile Organic Compounds (GC) (Continued)

Lab Sample ID: MB 880-3389/5-A

Matrix: Solid

Analysis Batch: 3388

Client Sample ID: Method Blank Prep Type: Total/NA

Prep Batch: 3389

	IVID	IVID						
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	mg/Kg		05/24/21 13:00	05/25/21 01:12	1
Toluene	<0.00200	U	0.00200	mg/Kg		05/24/21 13:00	05/25/21 01:12	1
Ethylbenzene	<0.00200	U	0.00200	mg/Kg		05/24/21 13:00	05/25/21 01:12	1
m-Xylene & p-Xylene	<0.00400	U	0.00400	mg/Kg		05/24/21 13:00	05/25/21 01:12	1
o-Xylene	<0.00200	U	0.00200	mg/Kg		05/24/21 13:00	05/25/21 01:12	1
Xylenes, Total	<0.00400	U	0.00400	mg/Kg		05/24/21 13:00	05/25/21 01:12	1
Total BTEX	<0.00400	U	0.00400	mg/Kg		05/24/21 13:00	05/25/21 01:12	1

MB MB

MR MR

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	108		70 - 130	05/24/21 13:00	05/25/21 01:12	1
1,4-Difluorobenzene (Surr)	91		70 - 130	05/24/21 13:00	05/25/21 01:12	1

Lab Sample ID: LCS 880-3389/1-A **Client Sample ID: Lab Control Sample**

Matrix: Solid

Analysis Batch: 3388

Prep Type: Total/NA

Prep Batch: 3389

	Spike	LCS	LCS				%Rec.	
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits	
Benzene	0.100	0.08576		mg/Kg		86	70 - 130	
Toluene	0.100	0.1109		mg/Kg		111	70 - 130	
Ethylbenzene	0.100	0.1129		mg/Kg		113	70 - 130	
m-Xylene & p-Xylene	0.200	0.2336		mg/Kg		117	70 - 130	
o-Xylene	0.100	0.1165		mg/Kg		117	70 - 130	

LCS LCS

Surrogate	%Recovery Qualifier	Limits
4-Bromofluorobenzene (Surr)	107	70 - 130
1.4-Difluorobenzene (Surr)	92	70 - 130

Lab Sample ID: LCSD 880-3389/2-A Client Sample ID: Lab Control Sample Dup

Matrix: Solid

Analysis Batch: 3388

Prep Type: Total/NA

Prep Batch: 3389

	Spike	LCSD	LCSD				%Rec.		RPD	
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit	
Benzene	0.100	0.08076		mg/Kg		81	70 - 130	6	35	
Toluene	0.100	0.1080		mg/Kg		108	70 - 130	3	35	
Ethylbenzene	0.100	0.1103		mg/Kg		110	70 - 130	2	35	
m-Xylene & p-Xylene	0.200	0.2257		mg/Kg		113	70 - 130	3	35	
o-Xylene	0.100	0.1098		mg/Kg		110	70 - 130	6	35	

LCSD LCSD

Surrogate	%Recovery Qualifier	Limits
4-Bromofluorobenzene (Surr)	99	70 _ 130
1.4-Difluorobenzene (Surr)	88	70 - 130

Lab Sample ID: 820-756-A-11-G MS

Matrix: Solid

Analysis Batch: 3388

Client Sample ID: Matrix Spike Prep Type: Total/NA

Prep Batch: 3389

	Sample	Sample	Spike	MS	MS				%Rec.	
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	
Benzene	<0.00200	U F1	0.100	0.08179		mg/Kg		82	70 - 130	

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QC Sample Results

Client: EOR/Ridgeway Arizona Oil Corp Project/Site: Mizar 11 Fed Com 14

Job ID: 890-716-1

Method: 8021B - Volatile Organic Compounds (GC) (Continued)

Lab Sample ID: 820-756-A-11-G MS

Matrix: Solid

Analysis Batch: 3388

Client Sample ID: Matrix Spike

Prep Type: Total/NA Prep Batch: 3389

	Sample	Sample	Spike	MS	MS				%Rec.	
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	
Toluene	<0.00200	U	0.100	0.08622		mg/Kg		86	70 - 130	
Ethylbenzene	<0.00200	U	0.100	0.09371		mg/Kg		94	70 - 130	
m-Xylene & p-Xylene	<0.00400	U	0.200	0.1810		mg/Kg		90	70 - 130	
o-Xylene	<0.00200	U	0.100	0.1066		mg/Kg		106	70 - 130	

MS MS

Surrogate	%Recovery	Qualifier	Limits
4-Bromofluorobenzene (Surr)	110		70 - 130
1,4-Difluorobenzene (Surr)	94		70 - 130

Client Sample ID: Matrix Spike Duplicate

Prep Type: Total/NA

Prep Batch: 3389

Lab Sample ID: 820-756-A-11-H MSD **Matrix: Solid**

Lab Sample ID: MB 880-3390/5-A

Matrix: Solid

Analysis Batch: 3387

Analysis Batch: 3388

	Sample	Sample	Spike	MSD	MSD				%Rec.		RPD
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Benzene	<0.00200	U F1	0.0998	0.06302	F1	mg/Kg		63	70 - 130	26	35
Toluene	<0.00200	U	0.0998	0.08004		mg/Kg		80	70 - 130	7	35
Ethylbenzene	<0.00200	U	0.0998	0.09836		mg/Kg		99	70 - 130	5	35
m-Xylene & p-Xylene	<0.00400	U	0.200	0.1964		mg/Kg		98	70 - 130	8	35
o-Xylene	<0.00200	U	0.0998	0.1187		mg/Kg		119	70 - 130	11	35

MSD MSD

Surrogate	%Recovery	Qualifier	Limits
4-Bromofluorobenzene (Surr)	132	S1+	70 - 130
1,4-Difluorobenzene (Surr)	87		70 - 130

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 3390

мв мв

Analyte	Result	Qualifier	RL	Unit D	Prepared	Analyzed	Dil Fac
Benzene	0.002237		0.00200	mg/Kg	05/24/21 09:37	05/24/21 22:50	1
Toluene	<0.00200	U	0.00200	mg/Kg	05/24/21 09:37	05/24/21 22:50	1
Ethylbenzene	<0.00200	U	0.00200	mg/Kg	05/24/21 09:37	05/24/21 22:50	1
m-Xylene & p-Xylene	<0.00400	U	0.00400	mg/Kg	05/24/21 09:37	05/24/21 22:50	1
o-Xylene	<0.00200	U	0.00200	mg/Kg	05/24/21 09:37	05/24/21 22:50	1
Xylenes, Total	<0.00400	U	0.00400	mg/Kg	05/24/21 09:37	05/24/21 22:50	1
Total BTEX	<0.00400	U	0.00400	mg/Kg	05/24/21 09:37	05/24/21 22:50	1

мв мв

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	98		70 - 130	05/24/21 09:37	05/24/21 22:50	1
1,4-Difluorobenzene (Surr)	92		70 - 130	05/24/21 09:37	05/24/21 22:50	1

Lab Sample ID: LCS 880-3390/1-A

Matrix: Solid

Analysis Batch: 3387

Client Sample ID: Lab Control Sample	
Prep Type: Total/NA	

Prep Batch: 3390

	Spike	LCS	LCS				%Rec.		
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits		
Benzene	0.100	0.08903		mg/Kg		89	70 - 130		
Toluene	0.100	0.08744		mg/Kg		87	70 - 130		

QC Sample Results

Client: EOR/Ridgeway Arizona Oil Corp Project/Site: Mizar 11 Fed Com 14

Job ID: 890-716-1

Method: 8021B - Volatile Organic Compounds (GC) (Continued)

Lab Sample ID: LCS 880-3390/1-A

Lab Sample ID: LCSD 880-3390/2-A

Matrix: Solid

Matrix: Solid

Analysis Batch: 3387

Client Sample ID: Lab Control Sample

Prep Type: Total/NA Prep Batch: 3390

	Spike	LCS	LUS				%Rec.
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits
Ethylbenzene	0.100	0.08653		mg/Kg		87	70 - 130
m-Xylene & p-Xylene	0.200	0.1783		mg/Kg		89	70 - 130
o-Xylene	0.100	0.08970		mg/Kg		90	70 - 130

LCS LCS

Surrogate	%Recovery	Qualifier	Limits
4-Bromofluorobenzene (Surr)	95		70 - 130
1,4-Difluorobenzene (Surr)	120		70 - 130

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 3390

RPD

Analysis Batch: 3387 Spike LCSD LCSD %Rec. Added Result Qualifier %Rec Limits RPD Limit Analyte Unit 0.100 0.08321 Benzene mg/Kg 83 70 - 130 7 35 Toluene 0.100 0.08729 87 70 - 130 35 mg/Kg 0 Ethylbenzene 0.100 0.08469 mg/Kg 85 70 - 130 2 35 m-Xylene & p-Xylene 0.200 0.1699 85 70 - 130 35 mg/Kg 5 0.100 o-Xylene 0.08503 85 70 - 130 mg/Kg

LCSD LCSD

Surrogate	%Recovery Qualifier	Limits
4-Bromofluorobenzene (Surr)	90	70 - 130
1 4-Difluorobenzene (Surr)	111	70 - 130

Lab Sample ID: 890-716-21 MS

Matrix: Solid

Analysis Batch: 3387

Client Sample ID: CS11-Surface

Prep Type: Total/NA

Prep Batch: 3390

Sample	Sample	Spike	MS	MS				%Rec.	
Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	
<0.00198	U F1	0.0996	0.05882	F1	mg/Kg		58	70 - 130	
<0.00198	U F1	0.0996	0.03150	F1	mg/Kg		32	70 - 130	
<0.00198	U F1	0.0996	0.04090	F1	mg/Kg		41	70 - 130	
<0.00397	U F1	0.199	0.07466	F1	mg/Kg		37	70 - 130	
<0.00198	U F1	0.0996	0.05677	F1	mg/Kg		57	70 - 130	
	Result <0.00198 <0.00198 <0.00198 <0.00397	Sample Result Qualifier	Result Qualifier Added <0.00198	Result Qualifier Added Result <0.00198	Result Qualifier Added Result Qualifier <0.00198	Result Qualifier Added Result Qualifier Unit <0.00198	Result Qualifier Added Result Qualifier Unit D <0.00198	Result Qualifier Added Result Qualifier Unit D %Rec <0.00198	Result Qualifier Added Result Qualifier Unit D %Rec Limits <0.00198

MS MS

Surrogate	%Recovery Qualifier	Limits
4-Bromofluorobenzene (Surr)	100	70 - 130
1,4-Difluorobenzene (Surr)	126	70 - 130

Lab Sample ID: 890-716-21 MSD Client Sample ID: CS11-Surface

Matrix: Solid

Analysis Batch: 3387

Prep Type: Total/NA

Prep Batch: 3390

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	Sample	Sample	Spike	MSD	MSD				%Rec.		RPD
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Benzene	<0.00198	U F1	0.100	0.05100	F1	mg/Kg		50	70 - 130	14	35
Toluene	<0.00198	U F1	0.100	0.03242	F1	mg/Kg		32	70 - 130	3	35
Ethylbenzene	<0.00198	U F1	0.100	0.03814	F1	mg/Kg		38	70 - 130	7	35
m-Xylene & p-Xylene	<0.00397	U F1	0.200	0.07028	F1	mg/Kg		35	70 - 130	6	35
o-Xylene	<0.00198	U F1	0.100	0.05176	F1	mg/Kg		52	70 - 130	9	35

Client: EOR/Ridgeway Arizona Oil Corp

Job ID: 890-716-1

Project/Site: Mizar 11 Fed Com 14

Method: 8021B - Volatile Organic Compounds (GC) (Continued)

	MSD	MSD	
Surrogate	%Recovery	Qualifier	Limits
4-Bromofluorobenzene (Surr)	92		70 - 130
1,4-Difluorobenzene (Surr)	112		70 - 130

Lab Sample ID: MB 880-3392/5-A

Matrix: Solid

Analysis Batch: 3386

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 3392

мв мв

Analyte	Result Qu	ualifier RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200 U	0.00200	mg/Kg	_	05/24/21 09:50	05/24/21 22:52	1
Toluene	<0.00200 U	0.00200	mg/Kg		05/24/21 09:50	05/24/21 22:52	1
Ethylbenzene	<0.00200 U	0.00200	mg/Kg		05/24/21 09:50	05/24/21 22:52	1
m-Xylene & p-Xylene	<0.00400 U	0.00400	mg/Kg		05/24/21 09:50	05/24/21 22:52	1
o-Xylene	<0.00200 U	0.00200	mg/Kg		05/24/21 09:50	05/24/21 22:52	1
Xylenes, Total	<0.00400 U	0.00400	mg/Kg		05/24/21 09:50	05/24/21 22:52	1
Total BTEX	<0.00400 U	0.00400	mg/Kg		05/24/21 09:50	05/24/21 22:52	1

мв мв

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	87		70 - 130	05/24/21 09:50	05/24/21 22:52	1
1,4-Difluorobenzene (Surr)	94		70 - 130	05/24/21 09:50	05/24/21 22:52	1

Lab Sample ID: LCS 880-3392/1-A

Matrix: Solid

Analysis Batch: 3386

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 3392

LCS LCS

Surrogate	%Recovery	Qualifier	Limits
4-Bromofluorobenzene (Surr)	110		70 - 130
1,4-Difluorobenzene (Surr)	100		70 - 130

Lab Sample ID: LCSD 880-3392/2-A

Matrix: Solid

Analysis Batch: 3386

Client Sample ID: Lab Control Sample Dup Prep Type: Total/NA

Prep Batch: 3392

	Spike	LCSD	LCSD				%Rec.		RPD
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Benzene	0.100	0.08341		mg/Kg		83	70 - 130	7	35
Toluene	0.100	0.08222		mg/Kg		82	70 - 130	9	35
Ethylbenzene	0.100	0.08434		mg/Kg		84	70 - 130	14	35
m-Xylene & p-Xylene	0.200	0.1739		mg/Kg		87	70 - 130	16	35
o-Xylene	0.100	0.08849		mg/Kg		88	70 - 130	16	35

Surrogate	%Recovery Qualifie	er Limits
4-Bromofluorobenzene (Surr)	98	70 - 130
1,4-Difluorobenzene (Surr)	103	70 - 130

Client: EOR/Ridgeway Arizona Oil Corp Job ID: 890-716-1 Project/Site: Mizar 11 Fed Com 14

Method: 8021B - Volatile Organic Compounds (GC) (Continued)

Lab Sample ID: 890-716-1 MS

Analysis Batch: 3386

Matrix: Solid

Client Sample ID: CS1-Surface Prep Type: Total/NA

Prep Batch: 3392

	Sample	Sample	Spike	MS	MS				%Rec.	
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	
Benzene	<0.00202	U F1 F2	0.100	0.04811	F1	mg/Kg		48	70 - 130	
Toluene	<0.00202	U F1	0.100	0.02738	F1	mg/Kg		27	70 - 130	
Ethylbenzene	<0.00202	U F1	0.100	0.03452	F1	mg/Kg		34	70 - 130	
m-Xylene & p-Xylene	<0.00403	U F1	0.201	0.06084	F1	mg/Kg		30	70 - 130	
o-Xylene	<0.00202	U F1	0.100	0.04803	F1	mg/Kg		48	70 - 130	

MS MS

Surrogate	%Recovery Qualifier	Limits
4-Bromofluorobenzene (Surr)	96	70 - 130
1,4-Difluorobenzene (Surr)	99	70 - 130

Lab Sample ID: 890-716-1 MSD Client Sample ID: CS1-Surface

Matrix: Solid

Analysis Batch: 3386

Prep Type: Total/NA

Prep Batch: 3392

	Sample	Sample	Spike	MSD	MSD				%Rec.		RPD
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Benzene	<0.00202	U F1 F2	0.100	0.02878	F1 F2	mg/Kg		29	70 - 130	50	35
Toluene	<0.00202	U F1	0.100	0.02007	F1	mg/Kg		20	70 - 130	31	35
Ethylbenzene	<0.00202	U F1	0.100	0.02739	F1	mg/Kg		27	70 - 130	23	35
m-Xylene & p-Xylene	<0.00403	U F1	0.200	0.04762	F1	mg/Kg		24	70 - 130	24	35
o-Xylene	<0.00202	U F1	0.100	0.03778	F1	mg/Kg		38	70 - 130	24	35

MSD MSD

Surrogate	%Recovery	Qualifier	Limits
4-Bromofluorobenzene (Surr)	95		70 - 130
1 4-Difluorobenzene (Surr)	94		70 - 130

Lab Sample ID: MB 880-3445/5-A **Matrix: Solid**

Analysis Batch: 3448

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 3445

	MB	MB						
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	mg/Kg		05/25/21 08:50	05/25/21 12:11	1
Toluene	<0.00200	U	0.00200	mg/Kg		05/25/21 08:50	05/25/21 12:11	1
Ethylbenzene	<0.00200	U	0.00200	mg/Kg		05/25/21 08:50	05/25/21 12:11	1
m-Xylene & p-Xylene	<0.00400	U	0.00400	mg/Kg		05/25/21 08:50	05/25/21 12:11	1
o-Xylene	<0.00200	U	0.00200	mg/Kg		05/25/21 08:50	05/25/21 12:11	1
Xylenes, Total	<0.00400	U	0.00400	mg/Kg		05/25/21 08:50	05/25/21 12:11	1
Total BTEX	<0.00400	U	0.00400	ma/Ka		05/25/21 08:50	05/25/21 12:11	1

MB MB

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	86		70 - 130	05/25/21 08:50	05/25/21 12:11	1
1,4-Difluorobenzene (Surr)	96		70 - 130	05/25/21 08:50	05/25/21 12:11	1

Lab Sample ID: LCS 880-3445/1-A

Matrix: Solid

Analysis Batch: 3448

Client Sample ID: Lab Control Sample Prep Type: Total/NA

Prep Batch: 3445

	Spike	LCS	LCS				%Rec.	
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits	
Benzene	0.100	0.1096		mg/Kg	_	110	70 - 130	

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Client: EOR/Ridgeway Arizona Oil Corp Project/Site: Mizar 11 Fed Com 14

Job ID: 890-716-1

Method: 8021B - Volatile Organic Compounds (GC) (Continued)

Lab Sample ID: LCS 880-3445/1-A

Matrix: Solid

Analysis Batch: 3448

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 3445

	Spike	LCS	LCS				%Rec.	
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits	
Toluene	 0.100	0.1068		mg/Kg		107	70 - 130	
Ethylbenzene	0.100	0.1099		mg/Kg		110	70 - 130	
m-Xylene & p-Xylene	0.200	0.2327		mg/Kg		116	70 - 130	
o-Xylene	0.100	0.1145		mg/Kg		115	70 - 130	

LCS LCS

Surrogate	%Recovery Qua	lifier Limits
4-Bromofluorobenzene (Surr)	109	70 - 130
1,4-Difluorobenzene (Surr)	104	70 - 130

Client Sample ID: Lab Control Sample Dup

Lab Sample ID: LCSD 880-3445/2-A **Matrix: Solid**

Analysis Batch: 3448

Prep Type: Total/NA

Prep Batch: 3445

	Spike	LCSD	LCSD				%Rec.		RPD
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Benzene	0.100	0.1022		mg/Kg		102	70 - 130	7	35
Toluene	0.100	0.09832		mg/Kg		98	70 - 130	8	35
Ethylbenzene	0.100	0.09878		mg/Kg		99	70 - 130	11	35
m-Xylene & p-Xylene	0.200	0.2082		mg/Kg		104	70 - 130	11	35
o-Xylene	0.100	0.1032		mg/Kg		103	70 - 130	10	35
I and the second									

LCSD LCSD

Surrogate	%Recovery Qualifier	Limits
4-Bromofluorobenzene (Surr)	102	70 - 130
1,4-Difluorobenzene (Surr)	104	70 - 130

Lab Sample ID: 880-2390-A-1-H MS

Matrix: Solid

Analysis Batch: 3448

Client Sample ID: Matrix Spike

Prep Type: Total/NA

Prep Batch: 3445

	Sample	Sample	Spike	MS	MS				%Rec.	
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	
Benzene	<0.00200	U	0.0996	0.1161		mg/Kg		117	70 - 130	
Toluene	<0.00200	U	0.0996	0.1115		mg/Kg		112	70 - 130	
Ethylbenzene	<0.00200	U	0.0996	0.1102		mg/Kg		111	70 - 130	
m-Xylene & p-Xylene	<0.00400	U	0.199	0.2310		mg/Kg		116	70 - 130	
o-Xylene	<0.00200	U	0.0996	0.1133		mg/Kg		114	70 - 130	

MS MS

Surrogate	%Recovery Quality	fier Limits
4-Bromofluorobenzene (Surr)	104	70 - 130
1,4-Difluorobenzene (Surr)	107	70 - 130

Lab Sample ID: 880-2390-A-1-I MSD

Matrix: Solid

Analysis Batch: 3448

Client Sample	ID: Matrix	Spike	Duplicate
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Prep Type: Total/NA

Prep Batch: 3445

	Sample	Sample	Spike	MSD	MSD				%Rec.		RPD	
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit	
Benzene	<0.00200	U	0.0998	0.08389		mg/Kg		84	70 - 130	32	35	
Toluene	<0.00200	U	0.0998	0.09186		mg/Kg		92	70 - 130	19	35	
Ethylbenzene	<0.00200	U	0.0998	0.08478		mg/Kg		85	70 - 130	26	35	
m-Xylene & p-Xylene	<0.00400	U	0.200	0.1704		mg/Kg		85	70 - 130	30	35	
	Benzene Toluene Ethylbenzene	Analyte Result Benzene <0.00200	Analyte Result Qualifier Benzene <0.00200	Analyte Result Qualifier Added Benzene <0.00200	Analyte Result Benzene Qualifier Qualifier Added Added Added Result Qualifier Toluene <0.00200 U	Analyte Result Benzene Qualifier Added Output Result Output Qualifier Toluene <0.00200	Analyte Result Benzene Qualifier Added Occupant Result Penzene Qualifier Qualifier Unit Unit Unit Unit Unit Unit Unit Unit	Analyte Result Benzene Qualifier Added Added Result Qualifier Qualifier Unit Mg/Kg D Toluene <0.00200 U	Analyte Result Qualifier Added Result Qualifier Unit D %Rec Benzene <0.00200	Analyte Result Qualifier Added Result Qualifier Unit D %Rec Limits Benzene <0.00200	Analyte Result Qualifier Added Result Qualifier Unit D %Rec Limits RPD Benzene <0.00200	Analyte Result Qualifier Added Result Qualifier Unit D %Rec Limits RPD Limits Benzene <0.00200

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Released to Imaging: 2/2/2023 8:12:44 AM

Client: EOR/Ridgeway Arizona Oil Corp

Job ID: 890-716-1

Project/Site: Mizar 11 Fed Com 14

Method: 8021B - Volatile Organic Compounds (GC) (Continued)

Lab Sample ID: 880-2390-A-1-I MSD

Matrix: Solid

Analysis Batch: 3448

Client Sample ID: Matrix Spike Duplicate

Prep Type: Total/NA

Prep Batch: 3445

Sample Sample Spike MSD MSD %Rec. RPD Analyte Result Qualifier Added Result Qualifier Unit %Rec Limits **RPD** Limit o-Xylene <0.00200 U 0.0998 0.08300 83 70 - 130 31 35 mg/Kg

MSD MSD

Surrogate	%Recovery	Qualifier	Limits		
4-Bromofluorobenzene (Surr)	86		70 - 130		
1.4-Difluorobenzene (Surr)	100		70 - 130		

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 3457

Matrix: Solid

Lab Sample ID: MB 880-3457/5-A

Analysis Batch: 3460

MB MB

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	mg/Kg		05/25/21 10:23	05/25/21 20:13	1
Toluene	<0.00200	U	0.00200	mg/Kg		05/25/21 10:23	05/25/21 20:13	1
Ethylbenzene	<0.00200	U	0.00200	mg/Kg		05/25/21 10:23	05/25/21 20:13	1
m-Xylene & p-Xylene	<0.00400	U	0.00400	mg/Kg		05/25/21 10:23	05/25/21 20:13	1
o-Xylene	<0.00200	U	0.00200	mg/Kg		05/25/21 10:23	05/25/21 20:13	1
Xylenes, Total	<0.00400	U	0.00400	mg/Kg		05/25/21 10:23	05/25/21 20:13	1
Total BTEX	<0.00400	U	0.00400	mg/Kg		05/25/21 10:23	05/25/21 20:13	1

мв мв

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	69	S1-	70 - 130	05/25/21 10:23	05/25/21 20:13	1
1,4-Difluorobenzene (Surr)	79		70 - 130	05/25/21 10:23	05/25/21 20:13	1

Lab Sample ID: LCS 880-3457/1-A

Matrix: Solid

Analysis Batch: 3460

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 3457

	Spike	LCS	LCS				%Rec.	
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits	
Benzene	0.100	0.09732		mg/Kg		97	70 - 130	
Toluene	0.100	0.09447		mg/Kg		94	70 - 130	
Ethylbenzene	0.100	0.08807		mg/Kg		88	70 - 130	
m-Xylene & p-Xylene	0.200	0.1773		mg/Kg		89	70 - 130	
o-Xylene	0.100	0.08905		mg/Kg		89	70 - 130	
	Analyte Benzene Toluene Ethylbenzene m-Xylene & p-Xylene o-Xylene	Analyte Added Benzene 0.100 Toluene 0.100 Ethylbenzene 0.100 m-Xylene & p-Xylene 0.200	Analyte Added Result Benzene 0.100 0.09732 Toluene 0.100 0.09447 Ethylbenzene 0.100 0.08807 m-Xylene & p-Xylene 0.200 0.1773	Analyte Added Result Qualifier Benzene 0.100 0.09732 Toluene 0.100 0.09447 Ethylbenzene 0.100 0.08807 m-Xylene & p-Xylene 0.200 0.1773	Analyte Added Result Qualifier Unit Benzene 0.100 0.09732 mg/Kg Toluene 0.100 0.09447 mg/Kg Ethylbenzene 0.100 0.08807 mg/Kg m-Xylene & p-Xylene 0.200 0.1773 mg/Kg	Analyte Added Result Qualifier Unit D Benzene 0.100 0.09732 mg/Kg Toluene 0.100 0.09447 mg/Kg Ethylbenzene 0.100 0.08807 mg/Kg m-Xylene & p-Xylene 0.200 0.1773 mg/Kg	Analyte Added Result Qualifier Unit Unit D %Rec Benzene 0.100 0.09732 mg/Kg 97 Toluene 0.100 0.09447 mg/Kg 94 Ethylbenzene 0.100 0.08807 mg/Kg 88 m-Xylene & p-Xylene 0.200 0.1773 mg/Kg 89	Analyte Added Result Qualifier Unit D %Rec Limits Benzene 0.100 0.09732 mg/Kg 97 70 ـ 130 Toluene 0.100 0.09447 mg/Kg 94 70 ـ 130 Ethylbenzene 0.100 0.08807 mg/Kg 88 70 ـ 130 m-Xylene & p-Xylene 0.200 0.1773 mg/Kg 89 70 ـ 130

LCS LCS

Surrogate	%Recovery Qualifie	er Limits
4-Bromofluorobenzene (Surr)	98	70 - 130
1,4-Difluorobenzene (Surr)	98	70 - 130

Lab Sample ID: LCSD 880-3457/2-A

Matrix: Solid

Analysis Batch: 3460

Client Sample ID: Lab Control Samp	In Dun

Prep Type: Total/NA

Prep Batch: 3457

	Spike	LCSD	LCSD				%Rec.		RPD
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Benzene	0.100	0.08744		mg/Kg		87	70 - 130	11	35
Toluene	0.100	0.07677		mg/Kg		77	70 - 130	21	35
Ethylbenzene	0.100	0.07086		mg/Kg		71	70 - 130	22	35
m-Xylene & p-Xylene	0.200	0.1404		mg/Kg		70	70 - 130	23	35
o-Xvlene	0.100	0.07541		ma/Ka		75	70 - 130	17	35

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Client: EOR/Ridgeway Arizona Oil Corp Project/Site: Mizar 11 Fed Com 14

Job ID: 890-716-1

Prep Type: Total/NA Prep Batch: 3457

Method: 8021B - Volatile Organic Compounds (GC) (Continued)

	LCSD	LCSD	
Surrogate	%Recovery	Qualifier	Limits
4-Bromofluorobenzene (Surr)	92		70 - 130
1,4-Difluorobenzene (Surr)	90		70 - 130

Lab Sample ID: 890-715-A-11-E MS Client Sample ID: Matrix Spike

Matrix: Solid

Analysis Batch: 3460

	Sample	Sample	Spike	MS	MS				%Rec.	
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	
Benzene	<0.00202	U	0.100	0.07000		mg/Kg		70	70 - 130	
Toluene	<0.00202	U F1	0.100	0.05818	F1	mg/Kg		58	70 - 130	
Ethylbenzene	<0.00202	U F1	0.100	0.05709	F1	mg/Kg		57	70 - 130	
m-Xylene & p-Xylene	<0.00403	U F1	0.200	0.1066	F1	mg/Kg		53	70 - 130	
o-Xylene	<0.00202	U F1	0.100	0.06050	F1	mg/Kg		60	70 - 130	

MS MS %Recovery Qualifier Limits Surrogate 4-Bromofluorobenzene (Surr) 70 - 130 89 1,4-Difluorobenzene (Surr) 102 70 - 130

Lab Sample ID: 890-715-A-11-F MSD

Matrix: Solid

Analysis Batch: 3460

Client Sample ID: Matrix Spike Duplicate Prep Type: Total/NA

Prep Batch: 3457

%Rec. Spike MSD MSD RPD Sample Sample Analyte Result Qualifier Added Result Qualifier Unit %Rec Limits **RPD** Limit Benzene 0.0998 <0.00202 U 0.09873 mg/Kg 99 70 - 130 34 35 Toluene <0.00202 UF1 0.0998 0.06591 F1 66 70 - 130 12 35 mg/Kg Ethylbenzene <0.00202 UF1 0.0998 0.07136 72 70 - 130 22 35 mg/Kg m-Xylene & p-Xylene <0.00403 UF1 0.200 0.1340 F1 mg/Kg 67 70 - 130 23 35 o-Xylene <0.00202 UF1 0.0998 0.07390 mg/Kg 74 70 - 130 20 35

	MSD MSD	SD		
Surrogate	%Recovery Qualif	ier Limits		
4-Bromofluorobenzene (Surr)	100	70 - 130		
1,4-Difluorobenzene (Surr)	103	70 - 130		

Lab Sample ID: MB 880-3460/8 Client Sample ID: Method Blank **Matrix: Solid** Prep Type: Total/NA

Analysis Batch: 3460

	MB	MR						
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	mg/Kg			05/25/21 14:43	1
Toluene	<0.00200	U	0.00200	mg/Kg			05/25/21 14:43	1
Ethylbenzene	<0.00200	U	0.00200	mg/Kg			05/25/21 14:43	1
m-Xylene & p-Xylene	<0.00400	U	0.00400	mg/Kg			05/25/21 14:43	1
o-Xylene	<0.00200	U	0.00200	mg/Kg			05/25/21 14:43	1
Xylenes, Total	<0.00400	U	0.00400	mg/Kg			05/25/21 14:43	1
Total BTEX	<0.00400	U	0.00400	mg/Kg			05/25/21 14:43	1

	MB	MB				
Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	69	S1-	70 - 130		05/25/21 14:43	1
1,4-Difluorobenzene (Surr)	81		70 - 130		05/25/21 14:43	1

Client: EOR/Ridgeway Arizona Oil Corp

Job ID: 890-716-1

Prep Type: Total/NA

Prep Batch: 3429

Project/Site: Mizar 11 Fed Com 14

Method: 8015B NM - Diesel Range Organics (DRO) (GC)

Lab Sample ID: MB 880-3429/1-A Client Sample ID: Method Blank

Matrix: Solid
Analysis Batch: 3438

	MB	MB						
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics	<50.0	U	50.0	mg/Kg		05/24/21 16:09	05/25/21 13:27	1
(GRO)-C6-C10								
Diesel Range Organics (Over	<50.0	U	50.0	mg/Kg		05/24/21 16:09	05/25/21 13:27	1
C10-C28)								
OII Range Organics (Over C28-C36)	<50.0	U	50.0	mg/Kg		05/24/21 16:09	05/25/21 13:27	1
Total TPH	<50.0	U	50.0	mg/Kg		05/24/21 16:09	05/25/21 13:27	1

MB MB %Recovery Qualifier Limits Prepared Analyzed Dil Fac Surrogate 1-Chlorooctane 70 - 130 05/24/21 16:09 05/25/21 13:27 101 o-Terphenyl 107 70 - 130 05/24/21 16:09 05/25/21 13:27

Lab Sample ID: LCS 880-3429/2-A Client Sample ID: Lab Control Sample

Matrix: Solid Prep Type: Total/NA Analysis Batch: 3438 Prep Batch: 3429

	Spike	LCS	LCS				%Rec.	
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits	
Gasoline Range Organics	1000	831.1		mg/Kg		83	70 - 130	
(GRO)-C6-C10								
Diesel Range Organics (Over	1000	1099		mg/Kg		110	70 - 130	
C10-C28)								

 Surrogate
 %Recovery
 Qualifier
 Limits

 1-Chlorooctane
 110
 70 - 130

 o-Terphenyl
 107
 70 - 130

Lab Sample ID: LCSD 880-3429/3-A

Client Sample ID: Lab Control Sample Dup

Matrix: Solid Prep Type: Total/NA
Analysis Batch: 3438 Prep Batch: 3429

RPD LCSD LCSD Spike %Rec. Analyte Added Result Qualifier Unit D %Rec Limits **RPD** Limit 85 1000 850.2 70 - 130 2 20 Gasoline Range Organics mg/Kg (GRO)-C6-C10 Diesel Range Organics (Over 1000 1106 mg/Kg 111 70 - 13020 C10-C28)

 Surrogate
 %Recovery
 Qualifier
 Limits

 1-Chlorooctane
 115
 70 - 130

 o-Terphenyl
 106
 70 - 130

Lab Sample ID: 890-715-A-1-E MS

Client Sample ID: Matrix Spike

Matrix: Solid Prep Type: Total/NA
Analysis Batch: 3438 Prep Batch: 3429

	Sample	Sample	Spike	MS	MS				%Rec.		
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits		
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	996	878.0		mg/Kg		85	70 - 130		_
Diesel Range Organics (Over C10-C28)	<49.9	U	996	1186		mg/Kg		119	70 - 130		

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Lab Sample ID: 890-715-A-1-E MS

Lab Sample ID: MB 880-3444/1-A

Matrix: Solid

Analysis Batch: 3440

Client: EOR/Ridgeway Arizona Oil Corp Project/Site: Mizar 11 Fed Com 14

Job ID: 890-716-1

Method: 8015B NM - Diesel Range Organics (DRO) (GC) (Continued)

Matrix: Solid

Analysis Batch: 3438

Client Sample ID: Matrix Spike

Prep Type: Total/NA

Prep Batch: 3429

MS MS Surrogate %Recovery Qualifier Limits 1-Chlorooctane 105 70 - 130 o-Terphenyl 94 70 - 130

Client Sample ID: Matrix Spike Duplicate

Lab Sample ID: 890-715-A-1-F MSD **Matrix: Solid** Prep Type: Total/NA **Analysis Batch: 3438** Prep Batch: 3429 MSD MSD %Rec. RPD

Sample Sample Spike Analyte Result Qualifier Added Result Qualifier Unit D %Rec Limits **RPD** Limit <49.9 U 996 874.8 85 70 - 130O 20 Gasoline Range Organics mg/Kg (GRO)-C6-C10 Diesel Range Organics (Over 996 <49.9 U 1162 mg/Kg 117 70 - 1302 20 C10-C28)

MSD MSD %Recovery Surrogate Qualifier Limits 103 70 - 130 1-Chlorooctane 93 70 - 130 o-Terphenyl

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 3444

MB MB Analyte Result Qualifier RL Unit D Prepared Analyzed Dil Fac Gasoline Range Organics <50.0 U 50.0 mg/Kg 05/25/21 08:49 05/25/21 23:09 (GRO)-C6-C10 Diesel Range Organics (Over <50.0 U 50.0 mg/Kg 05/25/21 08:49 05/25/21 23:09 C10-C28) OII Range Organics (Over C28-C36) <50.0 U 50.0 05/25/21 08:49 05/25/21 23:09 mg/Kg Total TPH <50.0 U 50.0 05/25/21 08:49 05/25/21 23:09 mg/Kg

MR MR Surrogate Qualifier Limits Dil Fac %Recovery Prepared Analyzed 1-Chlorooctane 70 - 130 112 05/25/21 08:49 05/25/21 23:09 o-Terphenyl 105 70 - 130 05/25/21 08:49 05/25/21 23:09

Lab Sample ID: LCS 880-3444/2-A

Client Sample ID: Lab Control Sample **Matrix: Solid** Prep Type: Total/NA

Analysis Batch: 3440 Prep Batch: 3444 LCS LCS %Rec.

Spike Analyte Added Result Qualifier Unit D %Rec Limits 1000 Gasoline Range Organics 853.2 mg/Kg 85 70 - 130 (GRO)-C6-C10 Diesel Range Organics (Over 1000 1022 mg/Kg 102 70 - 130 C10-C28)

LCS LCS %Recovery Qualifier Limits Surrogate 1-Chlorooctane 114 70 - 130 o-Terphenyl 101 70 - 130

Client: EOR/Ridgeway Arizona Oil Corp Project/Site: Mizar 11 Fed Com 14

Job ID: 890-716-1

Method: 8015B NM - Diesel Range Organics (DRO) (GC) (Continued)

LCSD LCSD %Recovery Qualifier

Lab Sample ID: LCSD 880-3444/3-A Client Sample ID: Lab Control Sample Dup

Matrix: Solid

Prep Type: Total/NA

Analysis Batch: 3440 Prep Batch: 3444

	Spike	LCSD	LCSD				%Rec.		RPD
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Gasoline Range Organics	1000	890.1		mg/Kg		89	70 - 130	4	20
(GRO)-C6-C10									
Diesel Range Organics (Over	1000	1015		mg/Kg		102	70 - 130	1	20
C10-C28)									

Surrogate

70 - 130 1-Chlorooctane 119 o-Terphenyl 100 70 - 130

Limits

Lab Sample ID: 890-716-1 MS Client Sample ID: CS1-Surface

Matrix: Solid

Prep Type: Total/NA **Analysis Batch: 3440**

Prep Batch: 3444

	Sample	Sample	Spike	MS	MS				%Rec.	
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	996	755.9		mg/Kg		76	70 - 130	
Diesel Range Organics (Over C10-C28)	<49.9	U	996	925.4		mg/Kg		93	70 - 130	

MS MS %Recovery Qualifier Limits Surrogate 1-Chlorooctane 90 70 - 130 o-Terphenyl 70 70 - 130

Lab Sample ID: 890-716-1 MSD Client Sample ID: CS1-Surface **Matrix: Solid**

Analysis Batch: 3440

Prep Type: Total/NA Prep Batch: 3444

	Sample	Sample	Spike	MSD	MSD				%Rec.		RPD
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	996	840.4		mg/Kg		84	70 - 130	11	20
Diesel Range Organics (Over C10-C28)	<49.9	U	996	1038		mg/Kg		104	70 - 130	11	20

MSD MSD Surrogate %Recovery Qualifier Limits 1-Chlorooctane 101 70 - 130 o-Terphenyl 70 - 130 80

Lab Sample ID: MB 880-3450/1-A Client Sample ID: Method Blank **Matrix: Solid** Prep Type: Total/NA

Analysis Batch: 3442

Prep Batch: 3450 MB MB

ı	Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
	Gasoline Range Organics	<50.0	U	50.0	mg/Kg		05/25/21 09:04	05/25/21 23:09	1
	(GRO)-C6-C10								
	Diesel Range Organics (Over	<50.0	U	50.0	mg/Kg		05/25/21 09:04	05/25/21 23:09	1
	C10-C28)								
	OII Range Organics (Over C28-C36)	<50.0	U	50.0	mg/Kg		05/25/21 09:04	05/25/21 23:09	1
l	Total TPH	<50.0	U	50.0	mg/Kg		05/25/21 09:04	05/25/21 23:09	1
ď									

Client: EOR/Ridgeway Arizona Oil Corp Project/Site: Mizar 11 Fed Com 14

Job ID: 890-716-1

Prep Type: Total/NA

Prep Type: Total/NA

Prep Batch: 3450

Prep Batch: 3450

RPD

Limit

20

20

Method: 8015B NM - Diesel Range Organics (DRO) (GC) (Continued)

Lab Sample ID: MB 880-3450/1-A **Matrix: Solid**

Analysis Batch: 3442

MB MB

%Recovery Qualifier Limits 102 70 - 130 102 70 - 130

Prepared Analyzed Dil Fac 05/25/21 09:04 05/25/21 23:09 05/25/21 09:04 05/25/21 23:09

Client Sample ID: Lab Control Sample

Client Sample ID: Method Blank

Lab Sample ID: LCS 880-3450/2-A

Matrix: Solid

Analysis Batch: 3442

Gasoline Range Organics

Diesel Range Organics (Over

Spike Added 1000

1000

Spike

Added

1000

1000

LCS LCS Result Qualifier 889.8

951.3

D %Rec 89 70 - 130mg/Kg mg/Kg

Unit

Unit

mg/Kg

mg/Kg

70 - 130

95

%Rec.

Limits

C10-C28)

(GRO)-C6-C10

Matrix: Solid

Matrix: Solid

Analysis Batch: 3442

Analyte

Analyte

Surrogate

o-Terphenyl

1-Chlorooctane

LCS LCS

%Recovery Surrogate Qualifier Limits 103 70 - 130 1-Chlorooctane 95 70 - 130 o-Terphenyl

Client Sample ID: Lab Control Sample Dup

%Rec.

Limits

70 - 130

70 - 130

%Rec

83

97

D

Prep Type: Total/NA Prep Batch: 3450

RPD

2

LCSD LCSD

830.7

973.8

Result Qualifier

Analysis Batch: 3442

Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28)

Lab Sample ID: LCSD 880-3450/3-A

Lab Sample ID: 890-716-21 MS

LCSD LCSD %Recovery Qualifier Surrogate Limits 70 - 130 1-Chlorooctane 106 o-Terphenyl 97 70 - 130

Client Sample ID: CS11-Surface

Prep Batch: 3450

Prep Type: Total/NA

Sample Sample MS MS Spike %Rec. Analyte Result Qualifier Added Result Qualifier Unit %Rec Limits U 996 767.9 75 Gasoline Range Organics <49.9 70 - 130 mg/Kg (GRO)-C6-C10 Diesel Range Organics (Over <49.9 U 996 883.9 mg/Kg 89 70 - 130 C10-C28)

MS MS

Qualifier %Recovery Surrogate Limits 1-Chlorooctane 83 70 - 130 70 70 - 130 o-Terphenyl

Client: EOR/Ridgeway Arizona Oil Corp Project/Site: Mizar 11 Fed Com 14

Job ID: 890-716-1

Prep Type: Total/NA

Client Sample ID: CS11-Surface

Client Sample ID: Method Blank

Analyzed

05/26/21 22:25

05/26/21 22:25

05/26/21 22:25

05/26/21 22:25

Analyzed

05/26/21 22:25

05/26/21 22:25

Prep Type: Total/NA

Prep Type: Total/NA

Prep Batch: 3539

RPD

11

11

RPD

Limit

20

20

Prep Batch: 3539

Client Sample ID: Lab Control Sample

%Rec.

Limits

70 - 130

70 - 130

Client Sample ID: Lab Control Sample Dup

%Rec.

Limits

70 - 130

70 - 130

Prep Type: Total/NA

Prep Batch: 3539

Dil Fac

Dil Fac

Method: 8015B NM - Diesel Range Organics (DRO) (GC) (Continued)

Lab Sample ID: 890-716-21 MSD **Matrix: Solid**

Analysis Batch: 3442

Prep Batch: 3450 Sample Sample MSD MSD RPD Spike Result Qualifier Analyte Added Result Qualifier D %Rec Limits RPD Limit Unit Gasoline Range Organics <49.9 U 996 758.6 mg/Kg 74 70 - 130 20 (GRO)-C6-C10 996 935.2 Q4 Diesel Range Organics (Over <49.9 U mg/Kg 70 - 1306 20

RL

50.0

Limits

Spike

Added

1000

1000

Unit

LCS LCS

Qualifier

Unit

mg/Kg

mg/Kg

Result

969.2

1108

mg/Kg

D

Prepared

05/26/21 14:55

Prepared

05/26/21 14:55

05/26/21 14:55

%Rec

97

111

%Rec

87

100

D

D

C10-C28)

MSD MSD %Recovery Qualifier Limits Surrogate 70 - 130 1-Chlorooctane 88 o-Terphenyl 74 70 - 130

Lab Sample ID: MB 880-3539/1-A

Matrix: Solid

(GRO)-C6-C10

Analysis Batch: 3502

мв мв

Analyte Result Qualifier Gasoline Range Organics <50.0 U

Diesel Range Organics (Over <50.0 U 50.0 05/26/21 14:55 mg/Kg C10-C28) OII Range Organics (Over C28-C36) <50.0 U 50.0 mg/Kg 05/26/21 14:55 Total TPH <50.0 U 50.0 05/26/21 14:55 mg/Kg MB MB

%Recovery Qualifier Surrogate

1-Chlorooctane 93 70 - 130 o-Terphenyl 86 70 - 130

Lab Sample ID: LCS 880-3539/2-A

Matrix: Solid Analysis Batch: 3502

Analyte Gasoline Range Organics

Diesel Range Organics (Over C10-C28)

(GRO)-C6-C10

LCS LCS %Recovery Qualifier Limits Surrogate 70 - 130 1-Chlorooctane 106 70 - 130 o-Terphenyl 87

Lab Sample ID: LCSD 880-3539/3-A

Matrix: Solid

Analysis Batch: 3502

C10-C28)

Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over

LCSD LCSD Spike Added Result Qualifier Unit 1000 872.1 mg/Kg 1000 996.4 mg/Kg

Client: EOR/Ridgeway Arizona Oil Corp

Job ID: 890-716-1

Project/Site: Mizar 11 Fed Com 14

Method: 8015B NM - Diesel Range Organics (DRO) (GC) (Continued)

Lab Sample ID: LCSD 880-3539/3-A **Matrix: Solid**

Lab Sample ID: 880-2503-A-21-C MSD

Analysis Batch: 3502

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 3539

LCSD LCSD

Surrogate %Recovery Qualifier Limits 1-Chlorooctane 96 70 - 130 o-Terphenyl 78 70 - 130

Lab Sample ID: 880-2503-A-21-B MS Client Sample ID: Matrix Spike

Matrix: Solid

Analysis Batch: 3502

Prep Type: Total/NA

Prep Batch: 3539

Sample Sample Spike MS MS %Rec. Analyte Result Qualifier Added Result Qualifier Unit D %Rec Limits <49.9 Ū 996 789.6 79 70 - 130Gasoline Range Organics mg/Kg (GRO)-C6-C10 Diesel Range Organics (Over 996 846.9 63.5 mg/Kg 79 70 - 130C10-C28)

> MS MS

%Recovery Surrogate Qualifier Limits 70 - 130 1-Chlorooctane 88 70 - 130 o-Terphenyl 73

Client Sample ID: Matrix Spike Duplicate

Prep Type: Total/NA

Prep Batch: 3539

MSD MSD RPD Sample Sample Spike %Rec. Analyte Result Qualifier hahhA Result Qualifier Unit %Rec I imits RPD Limit D Gasoline Range Organics <49.9 U 996 798.7 mg/Kg 80 70 - 130 20 (GRO)-C6-C10 Diesel Range Organics (Over 63.5 996 866.8 mg/Kg 81 70 - 130 2 20

C10-C28)

Matrix: Solid

Analysis Batch: 3502

MSD MSD %Recovery Qualifier Surrogate Limits 70 - 130 1-Chlorooctane 89 70 - 130 o-Terphenyl 73

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-3424/1-A Client Sample ID: Method Blank **Matrix: Solid Prep Type: Soluble**

Analysis Batch: 3485

MB MB

Dil Fac Analyte Result Qualifier RL Unit D Prepared Analyzed Chloride <5.00 U 5.00 mg/Kg 05/26/21 19:03

Lab Sample ID: LCS 880-3424/2-A **Client Sample ID: Lab Control Sample Prep Type: Soluble**

Matrix: Solid

Analysis Batch: 3485

Spike LCS LCS %Rec. Analyte Added Result Qualifier Unit Limits Chloride 250 254.3 mg/Kg 102 90 - 110

Job ID: 890-716-1 Client: EOR/Ridgeway Arizona Oil Corp

Project/Site: Mizar 11 Fed Com 14

Lab Sample ID: LCSD 880-3424/3-A

Method: 300.0 - Anions, Ion Chromatography (Continued)

<5.04 ш Client Sample ID: Lab Control Sample Dup

102

90 - 110

Matrix: Solid Prep Type: Soluble

Analysis Batch: 3485

LCSD LCSD %Rec. RPD Spike Analyte Added Result Qualifier Unit %Rec Limits RPD Limit D Chloride 250 254.1 mg/Kg 102 90 - 110 20

Lab Sample ID: 890-716-1 MS Client Sample ID: CS1-Surface **Matrix: Solid Prep Type: Soluble**

Analysis Batch: 3485

Chloride

Sample Sample Spike MS MS %Rec. Result Qualifier Added Analyte Result Qualifier Unit D %Rec Limits 252

Client Sample ID: CS1-Surface Lab Sample ID: 890-716-1 MSD

Matrix: Solid Prep Type: Soluble

262.1

mg/Kg

Analysis Batch: 3485

MSD MSD Spike Sample Sample

RPD %Rec. Analyte Result Qualifier Added Result Qualifier Unit %Rec Limits RPD Limit Chloride <5.04 U 252 261.6 mg/Kg 102 90 - 110

Lab Sample ID: MB 880-3451/1-A Client Sample ID: Method Blank **Prep Type: Soluble**

Matrix: Solid

Analysis Batch: 3486

мв мв

Result Qualifier Analyte RL Unit D Prepared Analyzed Dil Fac 5.00 mg/Kg Chloride <5.00 05/26/21 21:54

Lab Sample ID: LCS 880-3451/2-A Client Sample ID: Lab Control Sample **Prep Type: Soluble**

Matrix: Solid

Analysis Batch: 3486

LCS LCS Spike %Rec.

Analyte Added Result Qualifier Unit %Rec Limits Chloride 250 256.5 mg/Kg 103 90 - 110

Lab Sample ID: LCSD 880-3451/3-A Client Sample ID: Lab Control Sample Dup **Matrix: Solid Prep Type: Soluble**

Analysis Batch: 3486

Spike LCSD LCSD %Rec. RPD Added RPD Analyte Result Qualifier Unit D %Rec Limits Limit Chloride 250 256.7 mg/Kg 103 90 - 110 20

Lab Sample ID: 890-716-11 MS Client Sample ID: CS6-Surface **Matrix: Solid**

Analysis Batch: 3486

MS MS Sample Sample Spike %Rec. Result Qualifier Added Result Qualifier Limits Analyte Unit D %Rec Chloride 15.2 248 262.4 mg/Kg 100 90 - 110

Lab Sample ID: 890-716-11 MSD Client Sample ID: CS6-Surface **Prep Type: Soluble**

Matrix: Solid

Released to Imaging: 2/2/2023 8:12:44 AM

Analysis Batch: 3486

Spike MSD MSD %Rec. RPD Sample Sample Analyte Result Qualifier Added Result Qualifier Unit D %Rec Limits **RPD** Limit Chloride 15.2 248 261.6 mg/Kg 99 90 - 110 20



Client: EOR/Ridgeway Arizona Oil Corp

Job ID: 890-716-1

Project/Site: Mizar 11 Fed Com 14

Client Sample ID: CS11-Surface

Prep Type: Soluble

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: 890-716-21 MS

Analysis Batch: 3486

Matrix: Solid

Spike MS MS %Rec. Sample Sample Result Qualifier Analyte Added Result Qualifier Unit %Rec Limits Chloride <4.95 U 248 253.6 mg/Kg 100 90 - 110

Lab Sample ID: 890-716-21 MSD Client Sample ID: CS11-Surface

Matrix: Solid **Prep Type: Soluble**

Analysis Batch: 3486

Sample Sample Spike MSD MSD %Rec. RPD Result Qualifier Added RPD Analyte Result Qualifier Unit D %Rec Limits Limit Chloride <4.95 ш 248 254.0 mg/Kg 101 90 - 110

Lab Sample ID: MB 880-3455/1-A Client Sample ID: Method Blank **Prep Type: Soluble**

Matrix: Solid

Analysis Batch: 3533

мв мв Analyte Result Qualifier RL Unit D Prepared Analyzed Dil Fac Chloride <5.00 U 5.00 05/27/21 00:46 mg/Kg

Lab Sample ID: LCS 880-3455/2-A **Client Sample ID: Lab Control Sample Prep Type: Soluble**

Matrix: Solid

Analysis Batch: 3533

LCS LCS Spike %Rec. Added Analyte Result Qualifier Unit %Rec Limits Chloride 250 257.1 103 90 - 110 mg/Kg

Lab Sample ID: LCSD 880-3455/3-A Client Sample ID: Lab Control Sample Dup **Prep Type: Soluble**

Matrix: Solid

Analysis Batch: 3533

Spike LCSD LCSD %Rec. RPD Analyte Added Result Qualifier Unit %Rec Limits RPD Limit Chloride 250 256.9 mg/Kg 103 90 - 110 20

Lab Sample ID: 890-716-31 MS

Matrix: Solid

Analysis Batch: 3533

Sample Sample Spike MS MS %Rec. Qualifier Added Analyte Result Result Qualifier Unit D %Rec Limits Chloride <4.96 U 248 256.9 mg/Kg 102 90 - 110

Lab Sample ID: 890-716-31 MSD

Released to Imaging: 2/2/2023 8:12:44 AM

Matrix: Solid

Analysis Batch: 3533

MSD MSD %Rec. RPD Sample Sample Spike Result Qualifier Added Result Qualifier Limits RPD Limit Analyte Unit D %Rec Chloride <4.96 U 248 256.9 mg/Kg 102 90 - 110 20

Lab Sample ID: 890-716-41 MS Client Sample ID: CS21-Surface

Matrix: Solid

Analysis Batch: 3533

Spike MS MS %Rec. Sample Sample Analyte Result Qualifier Added Result Qualifier Unit %Rec Limits Chloride 18.4 250 272.7 mg/Kg 102 90 - 110

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Client Sample ID: CS16-Surface

Client Sample ID: CS16-Surface

Prep Type: Soluble

Prep Type: Soluble

Prep Type: Soluble

Client: EOR/Ridgeway Arizona Oil Corp Job ID: 890-716-1

Project/Site: Mizar 11 Fed Com 14

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: 890-716-41 MSD Client Sample ID: CS21-Surface

Matrix: Solid Prep Type: Soluble

Analysis Batch: 3533
Sample Sample Spike MSD MSD

	Sample	Sample	Spike	MSD	MISD				%Rec.		RPD
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Chloride	18.4		250	272.6		mg/Kg		102	90 - 110	0	20

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Client: EOR/Ridgeway Arizona Oil Corp
Project/Site: Mizar 11 Fed Com 14
Job ID: 890-716-1

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Prep Batch: 3334

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 880-3334/5-A	Method Blank	Total/NA	Solid	5035	

Prep Batch: 3385

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 880-3385/5-A	Method Blank	Total/NA	Solid	5035	

Analysis Batch: 3386

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-716-1	CS1-Surface	Total/NA	Solid	8021B	3392
890-716-2	CS1-1'	Total/NA	Solid	8021B	3392
890-716-3	CS2-Surface	Total/NA	Solid	8021B	3392
890-716-4	CS2-1'	Total/NA	Solid	8021B	3392
890-716-5	CS3-Surface	Total/NA	Solid	8021B	3392
890-716-6	CS3-1'	Total/NA	Solid	8021B	3392
890-716-7	CS4-Surface	Total/NA	Solid	8021B	3392
890-716-8	CS4-1'	Total/NA	Solid	8021B	3392
890-716-9	CS5-Surface	Total/NA	Solid	8021B	3392
890-716-10	CS5-1'	Total/NA	Solid	8021B	3392
890-716-11	CS6-Surface	Total/NA	Solid	8021B	3392
890-716-12	CS6-1'	Total/NA	Solid	8021B	3392
890-716-13	CS7-Surface	Total/NA	Solid	8021B	3392
890-716-14	CS7-1'	Total/NA	Solid	8021B	3392
890-716-15	CS8-Surface	Total/NA	Solid	8021B	3392
890-716-16	CS8-1'	Total/NA	Solid	8021B	3392
890-716-17	CS9-urface	Total/NA	Solid	8021B	3392
890-716-18	CS9-1'	Total/NA	Solid	8021B	3392
890-716-19	CS10-Surface	Total/NA	Solid	8021B	3392
890-716-20	CS10-1'	Total/NA	Solid	8021B	3392
MB 880-3334/5-A	Method Blank	Total/NA	Solid	8021B	3334
MB 880-3392/5-A	Method Blank	Total/NA	Solid	8021B	3392
LCS 880-3392/1-A	Lab Control Sample	Total/NA	Solid	8021B	3392
LCSD 880-3392/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	3392
890-716-1 MS	CS1-Surface	Total/NA	Solid	8021B	3392
890-716-1 MSD	CS1-Surface	Total/NA	Solid	8021B	3392

Analysis Batch: 3387

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-716-21	CS11-Surface	Total/NA	Solid	8021B	3390
890-716-22	CS11-1'	Total/NA	Solid	8021B	3390
890-716-23	CS12-Surface	Total/NA	Solid	8021B	3390
890-716-24	CS12-1'	Total/NA	Solid	8021B	3390
890-716-25	CS13-Surface	Total/NA	Solid	8021B	3390
890-716-26	CS13-1'	Total/NA	Solid	8021B	3390
890-716-27	CS14-Surface	Total/NA	Solid	8021B	3390
890-716-28	CS14-1'	Total/NA	Solid	8021B	3390
890-716-29	CS15-Surface	Total/NA	Solid	8021B	3390
890-716-30	CS15-1'	Total/NA	Solid	8021B	3390
MB 880-3385/5-A	Method Blank	Total/NA	Solid	8021B	3385
MB 880-3390/5-A	Method Blank	Total/NA	Solid	8021B	3390
LCS 880-3390/1-A	Lab Control Sample	Total/NA	Solid	8021B	3390
LCSD 880-3390/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	3390

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Client: EOR/Ridgeway Arizona Oil Corp Project/Site: Mizar 11 Fed Com 14 Job ID: 890-716-1

GC VOA (Continued)

Analysis Batch: 3387 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-716-21 MS	CS11-Surface	Total/NA	Solid	8021B	3390
890-716-21 MSD	CS11-Surface	Total/NA	Solid	8021B	3390

Analysis Batch: 3388

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-716-41	CS21-Surface	Total/NA	Solid	8021B	3389
890-716-42	CS21-1'	Total/NA	Solid	8021B	3389
890-716-43	CS22-Surface	Total/NA	Solid	8021B	3389
890-716-44	CS22-1'	Total/NA	Solid	8021B	3389
890-716-45	CS23-Surface	Total/NA	Solid	8021B	3389
890-716-46	CS23-1'	Total/NA	Solid	8021B	3389
MB 880-3388/8	Method Blank	Total/NA	Solid	8021B	
MB 880-3389/5-A	Method Blank	Total/NA	Solid	8021B	3389
LCS 880-3389/1-A	Lab Control Sample	Total/NA	Solid	8021B	3389
LCSD 880-3389/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	3389
820-756-A-11-G MS	Matrix Spike	Total/NA	Solid	8021B	3389
820-756-A-11-H MSD	Matrix Spike Duplicate	Total/NA	Solid	8021B	3389

Prep Batch: 3389

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-716-41	CS21-Surface	Total/NA	Solid	5035	
890-716-42	CS21-1'	Total/NA	Solid	5035	
890-716-43	CS22-Surface	Total/NA	Solid	5035	
890-716-44	CS22-1'	Total/NA	Solid	5035	
890-716-45	CS23-Surface	Total/NA	Solid	5035	
890-716-46	CS23-1'	Total/NA	Solid	5035	
MB 880-3389/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-3389/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-3389/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
820-756-A-11-G MS	Matrix Spike	Total/NA	Solid	5035	
820-756-A-11-H MSD	Matrix Spike Duplicate	Total/NA	Solid	5035	

Prep Batch: 3390

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batc
890-716-21	CS11-Surface	Total/NA	Solid	5035	
890-716-22	CS11-1'	Total/NA	Solid	5035	
890-716-23	CS12-Surface	Total/NA	Solid	5035	
890-716-24	CS12-1'	Total/NA	Solid	5035	
890-716-25	CS13-Surface	Total/NA	Solid	5035	
890-716-26	CS13-1'	Total/NA	Solid	5035	
890-716-27	CS14-Surface	Total/NA	Solid	5035	
890-716-28	CS14-1'	Total/NA	Solid	5035	
890-716-29	CS15-Surface	Total/NA	Solid	5035	
890-716-30	CS15-1'	Total/NA	Solid	5035	
MB 880-3390/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-3390/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-3390/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
890-716-21 MS	CS11-Surface	Total/NA	Solid	5035	
890-716-21 MSD	CS11-Surface	Total/NA	Solid	5035	

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Client: EOR/Ridgeway Arizona Oil Corp Project/Site: Mizar 11 Fed Com 14 Job ID: 890-716-1

GC VOA

Prep Batch: 3392

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Bato
890-716-1	CS1-Surface	Total/NA	Solid	5035	
890-716-2	CS1-1'	Total/NA	Solid	5035	
890-716-3	CS2-Surface	Total/NA	Solid	5035	
890-716-4	CS2-1'	Total/NA	Solid	5035	
890-716-5	CS3-Surface	Total/NA	Solid	5035	
890-716-6	CS3-1'	Total/NA	Solid	5035	
890-716-7	CS4-Surface	Total/NA	Solid	5035	
890-716-8	CS4-1'	Total/NA	Solid	5035	
890-716-9	CS5-Surface	Total/NA	Solid	5035	
890-716-10	CS5-1'	Total/NA	Solid	5035	
890-716-11	CS6-Surface	Total/NA	Solid	5035	
890-716-12	CS6-1'	Total/NA	Solid	5035	
890-716-13	CS7-Surface	Total/NA	Solid	5035	
890-716-14	CS7-1'	Total/NA	Solid	5035	
890-716-15	CS8-Surface	Total/NA	Solid	5035	
890-716-16	CS8-1'	Total/NA	Solid	5035	
890-716-17	CS9-urface	Total/NA	Solid	5035	
890-716-18	CS9-1'	Total/NA	Solid	5035	
890-716-19	CS10-Surface	Total/NA	Solid	5035	
890-716-20	CS10-1'	Total/NA	Solid	5035	
MB 880-3392/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-3392/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-3392/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
890-716-1 MS	CS1-Surface	Total/NA	Solid	5035	
890-716-1 MSD	CS1-Surface	Total/NA	Solid	5035	

Prep Batch: 3445

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-716-31	CS16-Surface	Total/NA	Solid	5035	
890-716-32	CS16-1'	Total/NA	Solid	5035	
890-716-33	CS17-Surface	Total/NA	Solid	5035	
890-716-34	CS17-1'	Total/NA	Solid	5035	
890-716-35	CS18-Surface	Total/NA	Solid	5035	
890-716-36	CS18-1'	Total/NA	Solid	5035	
890-716-37	CS19-Surface	Total/NA	Solid	5035	
890-716-38	CS19-1'	Total/NA	Solid	5035	
890-716-39	CS20-Surface	Total/NA	Solid	5035	
890-716-40	CS20-1'	Total/NA	Solid	5035	
MB 880-3445/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-3445/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-3445/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
880-2390-A-1-H MS	Matrix Spike	Total/NA	Solid	5035	
880-2390-A-1-I MSD	Matrix Spike Duplicate	Total/NA	Solid	5035	

Analysis Batch: 3448

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-716-31	CS16-Surface	Total/NA	Solid	8021B	3445
890-716-32	CS16-1'	Total/NA	Solid	8021B	3445
890-716-33	CS17-Surface	Total/NA	Solid	8021B	3445
890-716-34	CS17-1'	Total/NA	Solid	8021B	3445
890-716-35	CS18-Surface	Total/NA	Solid	8021B	3445

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Client: EOR/Ridgeway Arizona Oil Corp Project/Site: Mizar 11 Fed Com 14 Job ID: 890-716-1

GC VOA (Continued)

Analysis Batch: 3448 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-716-36	CS18-1'	Total/NA	Solid	8021B	3445
890-716-37	CS19-Surface	Total/NA	Solid	8021B	3445
890-716-38	CS19-1'	Total/NA	Solid	8021B	3445
890-716-39	CS20-Surface	Total/NA	Solid	8021B	3445
890-716-40	CS20-1'	Total/NA	Solid	8021B	3445
MB 880-3445/5-A	Method Blank	Total/NA	Solid	8021B	3445
LCS 880-3445/1-A	Lab Control Sample	Total/NA	Solid	8021B	3445
LCSD 880-3445/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	3445
880-2390-A-1-H MS	Matrix Spike	Total/NA	Solid	8021B	3445
880-2390-A-1-I MSD	Matrix Spike Duplicate	Total/NA	Solid	8021B	3445

Prep Batch: 3457

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-716-41	CS21-Surface	Total/NA	Solid	5035	
890-716-42	CS21-1'	Total/NA	Solid	5035	
890-716-43	CS22-Surface	Total/NA	Solid	5035	
890-716-44	CS22-1'	Total/NA	Solid	5035	
890-716-45	CS23-Surface	Total/NA	Solid	5035	
890-716-46	CS23-1'	Total/NA	Solid	5035	
MB 880-3457/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-3457/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-3457/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
890-715-A-11-E MS	Matrix Spike	Total/NA	Solid	5035	
890-715-A-11-F MSD	Matrix Spike Duplicate	Total/NA	Solid	5035	

Analysis Batch: 3460

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-716-41	CS21-Surface	Total/NA	Solid	8021B	3457
890-716-42	CS21-1'	Total/NA	Solid	8021B	3457
890-716-43	CS22-Surface	Total/NA	Solid	8021B	3457
890-716-44	CS22-1'	Total/NA	Solid	8021B	3457
890-716-45	CS23-Surface	Total/NA	Solid	8021B	3457
890-716-46	CS23-1'	Total/NA	Solid	8021B	3457
MB 880-3457/5-A	Method Blank	Total/NA	Solid	8021B	3457
MB 880-3460/8	Method Blank	Total/NA	Solid	8021B	
LCS 880-3457/1-A	Lab Control Sample	Total/NA	Solid	8021B	3457
LCSD 880-3457/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	3457
890-715-A-11-E MS	Matrix Spike	Total/NA	Solid	8021B	3457
890-715-A-11-F MSD	Matrix Spike Duplicate	Total/NA	Solid	8021B	3457

GC Semi VOA

Prep Batch: 3429

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-716-41	CS21-Surface	Total/NA	Solid	8015NM Prep	
890-716-42	CS21-1'	Total/NA	Solid	8015NM Prep	
890-716-43	CS22-Surface	Total/NA	Solid	8015NM Prep	
890-716-44	CS22-1'	Total/NA	Solid	8015NM Prep	
890-716-45	CS23-Surface	Total/NA	Solid	8015NM Prep	
890-716-46	CS23-1'	Total/NA	Solid	8015NM Prep	
MB 880-3429/1-A	Method Blank	Total/NA	Solid	8015NM Prep	

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Client: EOR/Ridgeway Arizona Oil Corp Project/Site: Mizar 11 Fed Com 14 Job ID: 890-716-1

GC Semi VOA (Continued)

Prep Batch: 3429 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCS 880-3429/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-3429/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
890-715-A-1-E MS	Matrix Spike	Total/NA	Solid	8015NM Prep	
890-715-A-1-F MSD	Matrix Spike Duplicate	Total/NA	Solid	8015NM Prep	

Analysis Batch: 3438

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-716-41	CS21-Surface	Total/NA	Solid	8015B NM	3429
890-716-42	CS21-1'	Total/NA	Solid	8015B NM	3429
890-716-43	CS22-Surface	Total/NA	Solid	8015B NM	3429
890-716-44	CS22-1'	Total/NA	Solid	8015B NM	3429
890-716-45	CS23-Surface	Total/NA	Solid	8015B NM	3429
890-716-46	CS23-1'	Total/NA	Solid	8015B NM	3429
MB 880-3429/1-A	Method Blank	Total/NA	Solid	8015B NM	3429
LCS 880-3429/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	3429
LCSD 880-3429/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	3429
890-715-A-1-E MS	Matrix Spike	Total/NA	Solid	8015B NM	3429
890-715-A-1-F MSD	Matrix Spike Duplicate	Total/NA	Solid	8015B NM	3429

Analysis Batch: 3440

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-716-1	CS1-Surface	Total/NA	Solid	8015B NM	3444
890-716-2	CS1-1'	Total/NA	Solid	8015B NM	3444
890-716-3	CS2-Surface	Total/NA	Solid	8015B NM	3444
890-716-4	CS2-1'	Total/NA	Solid	8015B NM	3444
890-716-5	CS3-Surface	Total/NA	Solid	8015B NM	3444
890-716-6	CS3-1'	Total/NA	Solid	8015B NM	3444
890-716-7	CS4-Surface	Total/NA	Solid	8015B NM	3444
890-716-8	CS4-1'	Total/NA	Solid	8015B NM	3444
890-716-9	CS5-Surface	Total/NA	Solid	8015B NM	3444
890-716-10	CS5-1'	Total/NA	Solid	8015B NM	3444
890-716-11	CS6-Surface	Total/NA	Solid	8015B NM	3444
890-716-12	CS6-1'	Total/NA	Solid	8015B NM	3444
890-716-13	CS7-Surface	Total/NA	Solid	8015B NM	3444
890-716-14	CS7-1'	Total/NA	Solid	8015B NM	3444
890-716-15	CS8-Surface	Total/NA	Solid	8015B NM	3444
890-716-16	CS8-1'	Total/NA	Solid	8015B NM	3444
890-716-17	CS9-urface	Total/NA	Solid	8015B NM	3444
890-716-18	CS9-1'	Total/NA	Solid	8015B NM	3444
890-716-19	CS10-Surface	Total/NA	Solid	8015B NM	3444
890-716-20	CS10-1'	Total/NA	Solid	8015B NM	3444
MB 880-3444/1-A	Method Blank	Total/NA	Solid	8015B NM	3444
LCS 880-3444/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	3444
LCSD 880-3444/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	3444
890-716-1 MS	CS1-Surface	Total/NA	Solid	8015B NM	3444
890-716-1 MSD	CS1-Surface	Total/NA	Solid	8015B NM	3444

Analysis Batch: 3442

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Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-716-21	CS11-Surface	Total/NA	Solid	8015B NM	3450
890-716-22	CS11-1'	Total/NA	Solid	8015B NM	3450

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Client: EOR/Ridgeway Arizona Oil Corp
Project/Site: Mizar 11 Fed Com 14
Job ID: 890-716-1

GC Semi VOA (Continued)

Analysis Batch: 3442 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-716-23	CS12-Surface	Total/NA	Solid	8015B NM	3450
890-716-24	CS12-1'	Total/NA	Solid	8015B NM	3450
890-716-25	CS13-Surface	Total/NA	Solid	8015B NM	3450
890-716-26	CS13-1'	Total/NA	Solid	8015B NM	3450
890-716-27	CS14-Surface	Total/NA	Solid	8015B NM	3450
890-716-28	CS14-1'	Total/NA	Solid	8015B NM	3450
890-716-29	CS15-Surface	Total/NA	Solid	8015B NM	3450
890-716-30	CS15-1'	Total/NA	Solid	8015B NM	3450
890-716-31	CS16-Surface	Total/NA	Solid	8015B NM	3450
890-716-33	CS17-Surface	Total/NA	Solid	8015B NM	3450
890-716-34	CS17-1'	Total/NA	Solid	8015B NM	3450
890-716-35	CS18-Surface	Total/NA	Solid	8015B NM	3450
890-716-36	CS18-1'	Total/NA	Solid	8015B NM	3450
890-716-37	CS19-Surface	Total/NA	Solid	8015B NM	3450
890-716-38	CS19-1'	Total/NA	Solid	8015B NM	3450
890-716-39	CS20-Surface	Total/NA	Solid	8015B NM	3450
890-716-40	CS20-1'	Total/NA	Solid	8015B NM	3450
MB 880-3450/1-A	Method Blank	Total/NA	Solid	8015B NM	3450
LCS 880-3450/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	3450
LCSD 880-3450/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	3450
890-716-21 MS	CS11-Surface	Total/NA	Solid	8015B NM	3450
890-716-21 MSD	CS11-Surface	Total/NA	Solid	8015B NM	3450

Prep Batch: 3444

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batc
890-716-1	CS1-Surface	Total/NA	Solid	8015NM Prep	
890-716-2	CS1-1'	Total/NA	Solid	8015NM Prep	
890-716-3	CS2-Surface	Total/NA	Solid	8015NM Prep	
890-716-4	CS2-1'	Total/NA	Solid	8015NM Prep	
890-716-5	CS3-Surface	Total/NA	Solid	8015NM Prep	
890-716-6	CS3-1'	Total/NA	Solid	8015NM Prep	
890-716-7	CS4-Surface	Total/NA	Solid	8015NM Prep	
890-716-8	CS4-1'	Total/NA	Solid	8015NM Prep	
890-716-9	CS5-Surface	Total/NA	Solid	8015NM Prep	
890-716-10	CS5-1'	Total/NA	Solid	8015NM Prep	
890-716-11	CS6-Surface	Total/NA	Solid	8015NM Prep	
890-716-12	CS6-1'	Total/NA	Solid	8015NM Prep	
890-716-13	CS7-Surface	Total/NA	Solid	8015NM Prep	
890-716-14	CS7-1'	Total/NA	Solid	8015NM Prep	
890-716-15	CS8-Surface	Total/NA	Solid	8015NM Prep	
890-716-16	CS8-1'	Total/NA	Solid	8015NM Prep	
890-716-17	CS9-urface	Total/NA	Solid	8015NM Prep	
890-716-18	CS9-1'	Total/NA	Solid	8015NM Prep	
890-716-19	CS10-Surface	Total/NA	Solid	8015NM Prep	
890-716-20	CS10-1'	Total/NA	Solid	8015NM Prep	
MB 880-3444/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-3444/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-3444/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
890-716-1 MS	CS1-Surface	Total/NA	Solid	8015NM Prep	
890-716-1 MSD	CS1-Surface	Total/NA	Solid	8015NM Prep	

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Client: EOR/Ridgeway Arizona Oil Corp Project/Site: Mizar 11 Fed Com 14

Job ID: 890-716-1

GC Semi VOA

Prep Batch: 3450

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-716-21	CS11-Surface	Total/NA	Solid	8015NM Prep	
890-716-22	CS11-1'	Total/NA	Solid	8015NM Prep	
890-716-23	CS12-Surface	Total/NA	Solid	8015NM Prep	
890-716-24	CS12-1'	Total/NA	Solid	8015NM Prep	
890-716-25	CS13-Surface	Total/NA	Solid	8015NM Prep	
890-716-26	CS13-1'	Total/NA	Solid	8015NM Prep	
890-716-27	CS14-Surface	Total/NA	Solid	8015NM Prep	
890-716-28	CS14-1'	Total/NA	Solid	8015NM Prep	
890-716-29	CS15-Surface	Total/NA	Solid	8015NM Prep	
890-716-30	CS15-1'	Total/NA	Solid	8015NM Prep	
890-716-31	CS16-Surface	Total/NA	Solid	8015NM Prep	
890-716-33	CS17-Surface	Total/NA	Solid	8015NM Prep	
890-716-34	CS17-1'	Total/NA	Solid	8015NM Prep	
890-716-35	CS18-Surface	Total/NA	Solid	8015NM Prep	
890-716-36	CS18-1'	Total/NA	Solid	8015NM Prep	
890-716-37	CS19-Surface	Total/NA	Solid	8015NM Prep	
890-716-38	CS19-1'	Total/NA	Solid	8015NM Prep	
890-716-39	CS20-Surface	Total/NA	Solid	8015NM Prep	
890-716-40	CS20-1'	Total/NA	Solid	8015NM Prep	
MB 880-3450/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-3450/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-3450/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
890-716-21 MS	CS11-Surface	Total/NA	Solid	8015NM Prep	
890-716-21 MSD	CS11-Surface	Total/NA	Solid	8015NM Prep	

Analysis Batch: 3502

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-716-32	CS16-1'	Total/NA	Solid	8015B NM	3539
MB 880-3539/1-A	Method Blank	Total/NA	Solid	8015B NM	3539
LCS 880-3539/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	3539
LCSD 880-3539/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	3539
880-2503-A-21-B MS	Matrix Spike	Total/NA	Solid	8015B NM	3539
880-2503-A-21-C MSD	Matrix Spike Duplicate	Total/NA	Solid	8015B NM	3539

Prep Batch: 3539

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-716-32	CS16-1'	Total/NA	Solid	8015NM Prep	
MB 880-3539/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-3539/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-3539/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
880-2503-A-21-B MS	Matrix Spike	Total/NA	Solid	8015NM Prep	
880-2503-A-21-C MSD	Matrix Spike Duplicate	Total/NA	Solid	8015NM Prep	

HPLC/IC

Leach Batch: 3424

Lab Sample ID 890-716-1	Client Sample ID CS1-Surface	Prep Type Soluble	Matrix Solid	Method Prep Batch DI Leach
890-716-2	CS1-1'	Soluble	Solid	DI Leach
890-716-3	CS2-Surface	Soluble	Solid	DI Leach
890-716-4	CS2-1'	Soluble	Solid	DI Leach

Client: EOR/Ridgeway Arizona Oil Corp Project/Site: Mizar 11 Fed Com 14 Job ID: 890-716-1

HPLC/IC (Continued)

Leach Batch: 3424 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-716-5	CS3-Surface	Soluble	Solid	DI Leach	_
890-716-6	CS3-1'	Soluble	Solid	DI Leach	
890-716-7	CS4-Surface	Soluble	Solid	DI Leach	
890-716-8	CS4-1'	Soluble	Solid	DI Leach	
890-716-9	CS5-Surface	Soluble	Solid	DI Leach	
890-716-10	CS5-1'	Soluble	Solid	DI Leach	
MB 880-3424/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-3424/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-3424/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
890-716-1 MS	CS1-Surface	Soluble	Solid	DI Leach	
890-716-1 MSD	CS1-Surface	Soluble	Solid	DI Leach	

Leach Batch: 3451

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-716-11	CS6-Surface	Soluble	Solid	DI Leach	
890-716-12	CS6-1'	Soluble	Solid	DI Leach	
890-716-13	CS7-Surface	Soluble	Solid	DI Leach	
890-716-14	CS7-1'	Soluble	Solid	DI Leach	
890-716-15	CS8-Surface	Soluble	Solid	DI Leach	
890-716-16	CS8-1'	Soluble	Solid	DI Leach	
890-716-17	CS9-urface	Soluble	Solid	DI Leach	
890-716-18	CS9-1'	Soluble	Solid	DI Leach	
890-716-19	CS10-Surface	Soluble	Solid	DI Leach	
890-716-20	CS10-1'	Soluble	Solid	DI Leach	
890-716-21	CS11-Surface	Soluble	Solid	DI Leach	
890-716-22	CS11-1'	Soluble	Solid	DI Leach	
890-716-23	CS12-Surface	Soluble	Solid	DI Leach	
890-716-24	CS12-1'	Soluble	Solid	DI Leach	
890-716-25	CS13-Surface	Soluble	Solid	DI Leach	
890-716-26	CS13-1'	Soluble	Solid	DI Leach	
890-716-27	CS14-Surface	Soluble	Solid	DI Leach	
890-716-28	CS14-1'	Soluble	Solid	DI Leach	
890-716-29	CS15-Surface	Soluble	Solid	DI Leach	
890-716-30	CS15-1'	Soluble	Solid	DI Leach	
MB 880-3451/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-3451/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-3451/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
890-716-11 MS	CS6-Surface	Soluble	Solid	DI Leach	
890-716-11 MSD	CS6-Surface	Soluble	Solid	DI Leach	
890-716-21 MS	CS11-Surface	Soluble	Solid	DI Leach	
890-716-21 MSD	CS11-Surface	Soluble	Solid	DI Leach	

Leach Batch: 3455

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-716-31	CS16-Surface	Soluble	Solid	DI Leach	
890-716-32	CS16-1'	Soluble	Solid	DI Leach	
890-716-33	CS17-Surface	Soluble	Solid	DI Leach	
890-716-34	CS17-1'	Soluble	Solid	DI Leach	
890-716-35	CS18-Surface	Soluble	Solid	DI Leach	
890-716-36	CS18-1'	Soluble	Solid	DI Leach	
890-716-37	CS19-Surface	Soluble	Solid	DI Leach	

Client: EOR/Ridgeway Arizona Oil Corp Project/Site: Mizar 11 Fed Com 14 Job ID: 890-716-1

HPLC/IC (Continued)

Leach Batch: 3455 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-716-38	CS19-1'	Soluble	Solid	DI Leach	
890-716-39	CS20-Surface	Soluble	Solid	DI Leach	
890-716-40	CS20-1'	Soluble	Solid	DI Leach	
890-716-41	CS21-Surface	Soluble	Solid	DI Leach	
890-716-42	CS21-1'	Soluble	Solid	DI Leach	
890-716-43	CS22-Surface	Soluble	Solid	DI Leach	
890-716-44	CS22-1'	Soluble	Solid	DI Leach	
890-716-45	CS23-Surface	Soluble	Solid	DI Leach	
890-716-46	CS23-1'	Soluble	Solid	DI Leach	
MB 880-3455/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-3455/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-3455/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
890-716-31 MS	CS16-Surface	Soluble	Solid	DI Leach	
890-716-31 MSD	CS16-Surface	Soluble	Solid	DI Leach	
890-716-41 MS	CS21-Surface	Soluble	Solid	DI Leach	
890-716-41 MSD	CS21-Surface	Soluble	Solid	DI Leach	

Analysis Batch: 3485

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-716-1	CS1-Surface	Soluble	Solid	300.0	3424
890-716-2	CS1-1'	Soluble	Solid	300.0	3424
890-716-3	CS2-Surface	Soluble	Solid	300.0	3424
890-716-4	CS2-1'	Soluble	Solid	300.0	3424
890-716-5	CS3-Surface	Soluble	Solid	300.0	3424
890-716-6	CS3-1'	Soluble	Solid	300.0	3424
890-716-7	CS4-Surface	Soluble	Solid	300.0	3424
890-716-8	CS4-1'	Soluble	Solid	300.0	3424
890-716-9	CS5-Surface	Soluble	Solid	300.0	3424
890-716-10	CS5-1'	Soluble	Solid	300.0	3424
MB 880-3424/1-A	Method Blank	Soluble	Solid	300.0	3424
LCS 880-3424/2-A	Lab Control Sample	Soluble	Solid	300.0	3424
LCSD 880-3424/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	3424
890-716-1 MS	CS1-Surface	Soluble	Solid	300.0	3424
890-716-1 MSD	CS1-Surface	Soluble	Solid	300.0	3424

Analysis Batch: 3486

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batcl
890-716-11	CS6-Surface	Soluble	Solid	300.0	345
890-716-12	CS6-1'	Soluble	Solid	300.0	345
890-716-13	CS7-Surface	Soluble	Solid	300.0	345
890-716-14	CS7-1'	Soluble	Solid	300.0	345
890-716-15	CS8-Surface	Soluble	Solid	300.0	345
890-716-16	CS8-1'	Soluble	Solid	300.0	345
890-716-17	CS9-urface	Soluble	Solid	300.0	345
890-716-18	CS9-1'	Soluble	Solid	300.0	345
890-716-19	CS10-Surface	Soluble	Solid	300.0	345
890-716-20	CS10-1'	Soluble	Solid	300.0	345
890-716-21	CS11-Surface	Soluble	Solid	300.0	345
890-716-22	CS11-1'	Soluble	Solid	300.0	345
890-716-23	CS12-Surface	Soluble	Solid	300.0	345
890-716-24	CS12-1'	Soluble	Solid	300.0	345

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Client: EOR/Ridgeway Arizona Oil Corp
Project/Site: Mizar 11 Fed Com 14

Job ID: 890-716-1

HPLC/IC (Continued)

Analysis Batch: 3486 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-716-25	CS13-Surface	Soluble	Solid	300.0	3451
890-716-26	CS13-1'	Soluble	Solid	300.0	3451
890-716-27	CS14-Surface	Soluble	Solid	300.0	3451
890-716-28	CS14-1'	Soluble	Solid	300.0	3451
890-716-29	CS15-Surface	Soluble	Solid	300.0	3451
890-716-30	CS15-1'	Soluble	Solid	300.0	3451
MB 880-3451/1-A	Method Blank	Soluble	Solid	300.0	3451
LCS 880-3451/2-A	Lab Control Sample	Soluble	Solid	300.0	3451
LCSD 880-3451/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	3451
890-716-11 MS	CS6-Surface	Soluble	Solid	300.0	3451
890-716-11 MSD	CS6-Surface	Soluble	Solid	300.0	3451
890-716-21 MS	CS11-Surface	Soluble	Solid	300.0	3451
890-716-21 MSD	CS11-Surface	Soluble	Solid	300.0	3451

Analysis Batch: 3533

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-716-31	CS16-Surface	Soluble	Solid	300.0	3455
890-716-32	CS16-1'	Soluble	Solid	300.0	3455
890-716-33	CS17-Surface	Soluble	Solid	300.0	3455
890-716-34	CS17-1'	Soluble	Solid	300.0	3455
890-716-35	CS18-Surface	Soluble	Solid	300.0	3455
890-716-36	CS18-1'	Soluble	Solid	300.0	3455
890-716-37	CS19-Surface	Soluble	Solid	300.0	3455
890-716-38	CS19-1'	Soluble	Solid	300.0	3455
890-716-39	CS20-Surface	Soluble	Solid	300.0	3455
890-716-40	CS20-1'	Soluble	Solid	300.0	3455
890-716-41	CS21-Surface	Soluble	Solid	300.0	3455
890-716-42	CS21-1'	Soluble	Solid	300.0	3455
890-716-43	CS22-Surface	Soluble	Solid	300.0	3455
890-716-44	CS22-1'	Soluble	Solid	300.0	3455
890-716-45	CS23-Surface	Soluble	Solid	300.0	3455
890-716-46	CS23-1'	Soluble	Solid	300.0	3455
MB 880-3455/1-A	Method Blank	Soluble	Solid	300.0	3455
LCS 880-3455/2-A	Lab Control Sample	Soluble	Solid	300.0	3455
LCSD 880-3455/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	3455
890-716-31 MS	CS16-Surface	Soluble	Solid	300.0	3455
890-716-31 MSD	CS16-Surface	Soluble	Solid	300.0	3455
890-716-41 MS	CS21-Surface	Soluble	Solid	300.0	3455
890-716-41 MSD	CS21-Surface	Soluble	Solid	300.0	3455

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Client: EOR/Ridgeway Arizona Oil Corp Project/Site: Mizar 11 Fed Com 14

Client Sample ID: CS1-Surface

Date Collected: 05/21/21 00:00 Date Received: 05/21/21 13:48 Lab Sample ID: 890-716-1

Matrix: Solid

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.96 g	5 mL	3392	05/24/21 09:50	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	3386	05/24/21 23:13	KL	XEN MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	3444	05/25/21 08:49	DM	XEN MID
Total/NA	Analysis	8015B NM		1			3440	05/26/21 00:12	AJ	XEN MID
Soluble	Leach	DI Leach			4.96 g	50 mL	3424	05/24/21 13:48	SC	XEN MID
Soluble	Analysis	300.0		1			3485	05/26/21 20:26	CH	XEN MID

Client Sample ID: CS1-1'

Date Collected: 05/21/21 00:00 Date Received: 05/21/21 13:48 Lab Sample ID: 890-716-2

Matrix: Solid

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.98 g	5 mL	3392	05/24/21 09:50	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	3386	05/24/21 23:34	KL	XEN MID
Total/NA	Prep	8015NM Prep			10.05 g	10 mL	3444	05/25/21 08:49	DM	XEN MID
Total/NA	Analysis	8015B NM		1			3440	05/26/21 01:15	AJ	XEN MID
Soluble	Leach	DI Leach			4.97 g	50 mL	3424	05/24/21 13:48	SC	XEN MID
Soluble	Analysis	300.0		1			3485	05/26/21 20:41	CH	XEN MID

Client Sample ID: CS2-Surface

Date Collected: 05/21/21 00:00 Date Received: 05/21/21 13:48 Lab Sample ID: 890-716-3

Matrix: Solid

_	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.02 g	5 mL	3392	05/24/21 09:50	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	3386	05/24/21 23:54	KL	XEN MID
Total/NA	Prep	8015NM Prep			10.05 g	10 mL	3444	05/25/21 08:49	DM	XEN MID
Total/NA	Analysis	8015B NM		1			3440	05/26/21 01:37	AJ	XEN MID
Soluble	Leach	DI Leach			4.95 g	50 mL	3424	05/24/21 13:48	SC	XEN MID
Soluble	Analysis	300.0		1			3485	05/26/21 20:46	CH	XEN MID

Client Sample ID: CS2-1'

Date Collected: 05/21/21 00:00

Date Received: 05/21/21 13:48

Lab	Sample	ID:	890-716-4
		N	Matrix: Solid

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.99 g	5 mL	3392	05/24/21 09:50	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	3386	05/25/21 00:15	KL	XEN MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	3444	05/25/21 08:49	DM	XEN MID
Total/NA	Analysis	8015B NM		1			3440	05/26/21 01:57	AJ	XEN MID
Soluble	Leach	DI Leach			4.98 g	50 mL	3424	05/24/21 13:48	SC	XEN MID
Soluble	Analysis	300.0		1			3485	05/26/21 21:00	CH	XEN MID

Project/Site: Mizar 11 Fed Com 14

Client Sample ID: CS3-Surface

Date Collected: 05/21/21 00:00 Date Received: 05/21/21 13:48

Lab Sample ID: 890-716-5

Matrix: Solid

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.03 g	5 mL	3392	05/24/21 09:50	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	3386	05/25/21 00:35	KL	XEN MID
Total/NA	Prep	8015NM Prep			10.05 g	10 mL	3444	05/25/21 08:49	DM	XEN MID
Total/NA	Analysis	8015B NM		1			3440	05/26/21 02:19	AJ	XEN MID
Soluble	Leach	DI Leach			4.67 g	50 mL	3424	05/24/21 13:48	SC	XEN MID
Soluble	Analysis	300.0		1			3485	05/26/21 21:05	CH	XEN MID

Date Collected: 05/21/21 00:00 Date Received: 05/21/21 13:48

Client Sample ID: CS3-1'

Lab Sample ID: 890-716-6 Matrix: Solid

Batch Batch Dil Initial Final Batch Prepared Prep Type Туре Method Run Factor Amount Amount Number or Analyzed Analyst Lab Total/NA Prep 5035 5.00 g 5 mL 3392 05/24/21 09:50 KL XEN MID Total/NA 8021B XEN MID Analysis 5 mL 5 mL 3386 05/25/21 00:55 KL 1 Total/NA Prep 8015NM Prep 10.02 g 10 mL 05/25/21 08:49 DM XEN MID 3444 Total/NA 8015B NM XEN MID Analysis 3440 05/26/21 02:40 AJ SC XEN MID Soluble Leach DI Leach 5.03 g 50 mL 3424 05/24/21 13:48 Soluble Analysis 300.0 1 3485 05/26/21 21:10 CH XEN MID

Client Sample ID: CS4-Surface

Date Collected: 05/21/21 00:00

Date Received: 05/21/21 13:48

Lab Sample ID: 890-716-7

Matrix: Solid

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.00 g	5 mL	3392	05/24/21 09:50	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	3386	05/25/21 01:16	KL	XEN MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	3444	05/25/21 08:49	DM	XEN MID
Total/NA	Analysis	8015B NM		1			3440	05/26/21 03:01	AJ	XEN MID
Soluble	Leach	DI Leach			5.03 g	50 mL	3424	05/24/21 13:48	SC	XEN MID
Soluble	Analysis	300.0		1			3485	05/26/21 21:15	CH	XEN MID

Client Sample ID: CS4-1'

Date Collected: 05/21/21 00:00

Date Received: 05/21/21 13:48

Lab	Sample	ID: 890-716-8
		Matrix: Solid

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.05 g	5 mL	3392	05/24/21 09:50	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	3386	05/25/21 01:36	KL	XEN MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	3444	05/25/21 08:49	DM	XEN MID
Total/NA	Analysis	8015B NM		1			3440	05/26/21 03:22	AJ	XEN MID
Soluble	Leach	DI Leach			5.03 g	50 mL	3424	05/24/21 13:48	SC	XEN MID
Soluble	Analysis	300.0		1			3485	05/26/21 21:20	CH	XEN MID

Client: EOR/Ridgeway Arizona Oil Corp

Job ID: 890-716-1

Project/Site: Mizar 11 Fed Com 14

Date Received: 05/21/21 13:48

Client Sample ID: CS5-Surface

Lab Sample ID: 890-716-9 Date Collected: 05/21/21 00:00

Matrix: Solid

Batch Batch Dil Initial Final Batch Prepared Prep Type Туре Method Run Factor Amount Amount Number or Analyzed Analyst Lab Total/NA Prep 5035 5.02 g 5 mL 3392 05/24/21 09:50 KL XEN MID Total/NA Analysis 8021B 1 5 mL 5 mL 3386 05/25/21 01:57 KL XEN MID Total/NA Prep 8015NM Prep 10.01 g 10 mL 3444 05/25/21 08:49 DM XEN MID Total/NA Analysis 8015B NM 3440 05/26/21 03:43 AJ XEN MID Soluble Leach DI Leach 5.01 g 50 mL 3424 05/24/21 13:48 SC XEN MID Soluble Analysis 300.0 1 3485 05/26/21 21:25 СН XEN MID

Client Sample ID: CS5-1'

Date Collected: 05/21/21 00:00 Date Received: 05/21/21 13:48

Lab Sample ID: 890-716-10

Matrix: Solid

Batch Batch Dil Initial Final Batch Prepared Prep Type Туре Method Run Factor Amount Amount Number or Analyzed Analyst Lab Total/NA Prep 5035 4.97 g 5 mL 3392 05/24/21 09:50 KL XEN MID 8021B Total/NA 5 mL 3386 05/25/21 02:17 KL XEN MID Analysis 1 5 mL Total/NA Prep 8015NM Prep 10.00 q 10 mL 3444 05/25/21 08:49 DM XEN MID Total/NA 8015B NM Analysis 3440 05/26/21 04:04 ΑJ XEN MID Soluble Leach DI Leach 5.03 g 50 mL 3424 05/24/21 13:48 SC XEN MID Soluble Analysis 300.0 1 3485 05/26/21 21:30 CH XEN MID

Client Sample ID: CS6-Surface

Date Collected: 05/21/21 00:00

Date Received: 05/21/21 13:48

Lab Sample ID: 890-716-11

Matrix: Solid

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.99 g	5 mL	3392	05/24/21 09:50	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	3386	05/25/21 03:39	KL	XEN MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	3444	05/25/21 08:49	DM	XEN MID
Total/NA	Analysis	8015B NM		1			3440	05/26/21 04:46	AJ	XEN MID
Soluble	Leach	DI Leach			5.04 g	50 mL	3451	05/25/21 10:02	SC	XEN MID
Soluble	Analysis	300.0		1			3486	05/26/21 22:09	CH	XEN MID

Client Sample ID: CS6-1'

Date Collected: 05/21/21 00:00

Date Received: 05/21/21 13:48

Released to Imaging: 2/2/2023 8:12:44 AM

Lab	Sample	ID:	890-716-12
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Matrix: Solid

_	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.03 g	5 mL	3392	05/24/21 09:50	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	3386	05/25/21 03:59	KL	XEN MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	3444	05/25/21 08:49	DM	XEN MID
Total/NA	Analysis	8015B NM		1			3440	05/26/21 05:08	AJ	XEN MID
Soluble	Leach	DI Leach			4.96 g	50 mL	3451	05/25/21 10:02	SC	XEN MID
Soluble	Analysis	300.0		1			3486	05/26/21 22:24	CH	XEN MID

Job ID: 890-716-1

Client: EOR/Ridgeway Arizona Oil Corp

Date Received: 05/21/21 13:48

Project/Site: Mizar 11 Fed Com 14

Lab Sample ID: 890-716-13

Matrix: Solid

Client Sample ID: CS7-Surface Date Collected: 05/21/21 00:00

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.01 g	5 mL	3392	05/24/21 09:50	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	3386	05/25/21 04:20	KL	XEN MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	3444	05/25/21 08:49	DM	XEN MID
Total/NA	Analysis	8015B NM		1			3440	05/26/21 05:29	AJ	XEN MID
Soluble	Leach	DI Leach			4.98 g	50 mL	3451	05/25/21 10:02	SC	XEN MID
Soluble	Analysis	300.0		1			3486	05/26/21 22:29	CH	XEN MID

Lab Sample ID: 890-716-14

Matrix: Solid

Client Sample ID: CS7-1' Date Collected: 05/21/21 00:00 Date Received: 05/21/21 13:48

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.01 g	5 mL	3392	05/24/21 09:50	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	3386	05/25/21 04:40	KL	XEN MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	3444	05/25/21 08:49	DM	XEN MID
Total/NA	Analysis	8015B NM		1			3440	05/26/21 05:50	AJ	XEN MID
Soluble	Leach	DI Leach			5.02 g	50 mL	3451	05/25/21 10:02	SC	XEN MID
Soluble	Analysis	300.0		1			3486	05/26/21 22:33	CH	XEN MID

Lab Sample ID: 890-716-15 Client Sample ID: CS8-Surface

Matrix: Solid

Date Collected: 05/21/21 00:00 Date Received: 05/21/21 13:48

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.95 g	5 mL	3392	05/24/21 09:50	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	3386	05/25/21 05:00	KL	XEN MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	3444	05/25/21 08:49	DM	XEN MID
Total/NA	Analysis	8015B NM		1			3440	05/26/21 06:11	AJ	XEN MID
Soluble	Leach	DI Leach			5.01 g	50 mL	3451	05/25/21 10:02	SC	XEN MID
Soluble	Analysis	300.0		1			3486	05/26/21 22:38	CH	XEN MID

Client Sample ID: CS8-1' Lab Sample ID: 890-716-16

Date Collected: 05/21/21 00:00 **Matrix: Solid** Date Received: 05/21/21 13:48

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.96 g	5 mL	3392	05/24/21 09:50	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	3386	05/25/21 05:21	KL	XEN MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	3444	05/25/21 08:49	DM	XEN MID
Total/NA	Analysis	8015B NM		1			3440	05/26/21 06:32	AJ	XEN MID
Soluble	Leach	DI Leach			5 g	50 mL	3451	05/25/21 10:02	SC	XEN MID
Soluble	Analysis	300.0		1			3486	05/26/21 22:53	CH	XEN MID

Lab Chronicle

Client: EOR/Ridgeway Arizona Oil Corp

Project/Site: Mizar 11 Fed Com 14

Lab Sample ID: 890-716-17

Matrix: Solid

Job ID: 890-716-1

Client Sample ID: CS9-urface Date Collected: 05/21/21 00:00 Date Received: 05/21/21 13:48

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.96 g	5 mL	3392	05/24/21 09:50	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	3386	05/25/21 05:41	KL	XEN MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	3444	05/25/21 08:49	DM	XEN MID
Total/NA	Analysis	8015B NM		1			3440	05/26/21 06:53	AJ	XEN MID
Soluble	Leach	DI Leach			5 g	50 mL	3451	05/25/21 10:02	SC	XEN MID
Soluble	Analysis	300.0		1			3486	05/26/21 22:58	CH	XEN MID

Client Sample ID: CS9-1'

Date Collected: 05/21/21 00:00 Date Received: 05/21/21 13:48 Lab Sample ID: 890-716-18

Matrix: Solid

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.04 g	5 mL	3392	05/24/21 09:50	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	3386	05/25/21 06:02	KL	XEN MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	3444	05/25/21 08:49	DM	XEN MID
Total/NA	Analysis	8015B NM		1			3440	05/26/21 07:14	AJ	XEN MID
Soluble	Leach	DI Leach			5 g	50 mL	3451	05/25/21 10:02	SC	XEN MID
Soluble	Analysis	300.0		1			3486	05/26/21 23:03	CH	XEN MID

Client Sample ID: CS10-Surface

Date Collected: 05/21/21 00:00 Date Received: 05/21/21 13:48 Lab Sample ID: 890-716-19

Matrix: Solid

_	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.04 g	5 mL	3392	05/24/21 09:50	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	3386	05/25/21 06:22	KL	XEN MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	3444	05/25/21 08:49	DM	XEN MID
Total/NA	Analysis	8015B NM		1			3440	05/26/21 07:36	AJ	XEN MID
Soluble	Leach	DI Leach			4.96 g	50 mL	3451	05/25/21 10:02	SC	XEN MID
Soluble	Analysis	300.0		1			3486	05/26/21 23:08	CH	XEN MID

Client Sample ID: CS10-1'

Date Collected: 05/21/21 00:00

Date Received: 05/21/21 13:48

Lab	Sample	ID:	890-716-20
			Matrix: Solid

Matrix: Solid

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.00 g	5 mL	3392	05/24/21 09:50	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	3386	05/25/21 06:43	KL	XEN MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	3444	05/25/21 08:49	DM	XEN MID
Total/NA	Analysis	8015B NM		1			3440	05/26/21 07:57	AJ	XEN MID
Soluble	Leach	DI Leach			5.05 g	50 mL	3451	05/25/21 10:02	SC	XEN MID
Soluble	Analysis	300.0		1			3486	05/26/21 23:13	CH	XEN MID

Job ID: 890-716-1

Client: EOR/Ridgeway Arizona Oil Corp Project/Site: Mizar 11 Fed Com 14

Client Sample ID: CS11-Surface

Date Collected: 05/21/21 00:00 Date Received: 05/21/21 13:48 Lab Sample ID: 890-716-21

Matrix: Solid

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.04 g	5 mL	3390	05/24/21 09:37	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	3387	05/24/21 23:12	KL	XEN MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	3450	05/25/21 09:04	DM	XEN MID
Total/NA	Analysis	8015B NM		1			3442	05/26/21 00:12	AM	XEN MID
Soluble	Leach	DI Leach			5.05 g	50 mL	3451	05/25/21 10:02	SC	XEN MID

3486

Lab Sample ID: 890-716-22

05/26/21 23:18 CH

Matrix: Solid

XEN MID

Date Collected: 05/21/21 00:00 Date Received: 05/21/21 13:48

Client Sample ID: CS11-1'

Analysis

300.0

Soluble

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.00 g	5 mL	3390	05/24/21 09:37	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	3387	05/24/21 23:32	KL	XEN MID
Total/NA	Prep	8015NM Prep			10.05 g	10 mL	3450	05/25/21 09:04	DM	XEN MID
Total/NA	Analysis	8015B NM		1			3442	05/26/21 01:15	AM	XEN MID
Soluble	Leach	DI Leach			4.96 g	50 mL	3451	05/25/21 10:02	SC	XEN MID
Soluble	Analysis	300.0		1			3486	05/26/21 23:32	CH	XEN MID

Client Sample ID: CS12-Surface Lab Sample ID: 890-716-23

Date Collected: 05/21/21 00:00 Date Received: 05/21/21 13:48

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.05 g	5 mL	3390	05/24/21 09:37	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	3387	05/24/21 23:53	KL	XEN MID
Total/NA	Prep	8015NM Prep			10.05 g	10 mL	3450	05/25/21 09:04	DM	XEN MID
Total/NA	Analysis	8015B NM		1			3442	05/26/21 01:37	AM	XEN MID
Soluble	Leach	DI Leach			4.95 g	50 mL	3451	05/25/21 10:02	SC	XEN MID
Soluble	Analysis	300.0		1			3486	05/26/21 23:37	CH	XEN MID

Client Sample ID: CS12-1'

Date Collected: 05/21/21 00:00

Matrix: Solid

Date Received: 05/21/21 13:48

_	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.05 g	5 mL	3390	05/24/21 09:37	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	3387	05/25/21 00:14	KL	XEN MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	3450	05/25/21 09:04	DM	XEN MID
Total/NA	Analysis	8015B NM		1			3442	05/26/21 01:57	AM	XEN MID
Soluble	Leach	DI Leach			5.03 g	50 mL	3451	05/25/21 10:02	SC	XEN MID
Soluble	Analysis	300.0		1			3486	05/26/21 23:52	CH	XEN MID

Eurofins Xenco, Carlsbad

2

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5

7

9

11

13

14

0. 74C 04

Matrix: Solid

3/20

Job ID: 890-716-1

Client: EOR/Ridgeway Arizona Oil Corp

Project/Site: Mizar 11 Fed Com 14

Lab Sample ID: 890-716-25

Client Sample ID: CS13-Surface Date Collected: 05/21/21 00:00

Date Received: 05/21/21 13:48

Matrix: Solid

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.03 g	5 mL	3390	05/24/21 09:37	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	3387	05/25/21 00:34	KL	XEN MID
Total/NA	Prep	8015NM Prep			10.05 g	10 mL	3450	05/25/21 09:04	DM	XEN MID
Total/NA	Analysis	8015B NM		1			3442	05/26/21 02:19	AM	XEN MID
Soluble	Leach	DI Leach			5.01 g	50 mL	3451	05/25/21 10:02	SC	XEN MID
Soluble	Analysis	300.0		1			3486	05/26/21 23:57	CH	XEN MID

Lab Sample ID: 890-716-26

Date Collected: 05/21/21 00:00 Date Received: 05/21/21 13:48

Client Sample ID: CS13-1'

Matrix: Solid

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.95 g	5 mL	3390	05/24/21 09:37	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	3387	05/25/21 00:55	KL	XEN MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	3450	05/25/21 09:04	DM	XEN MID
Total/NA	Analysis	8015B NM		1			3442	05/26/21 02:40	AM	XEN MID
Soluble	Leach	DI Leach			5.02 g	50 mL	3451	05/25/21 10:02	SC	XEN MID
Soluble	Analysis	300.0		1			3486	05/27/21 00:02	CH	XEN MID

Lab Sample ID: 890-716-27 Client Sample ID: CS14-Surface

Date Collected: 05/21/21 00:00 Date Received: 05/21/21 13:48 **Matrix: Solid**

_	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.02 g	5 mL	3390	05/24/21 09:37	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	3387	05/25/21 01:16	KL	XEN MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	3450	05/25/21 09:04	DM	XEN MID
Total/NA	Analysis	8015B NM		1			3442	05/26/21 03:01	AM	XEN MID
Soluble	Leach	DI Leach			5 g	50 mL	3451	05/25/21 10:02	SC	XEN MID
Soluble	Analysis	300.0		1			3486	05/27/21 00:07	CH	XEN MID

Client Sample ID: CS14-1' Lab Sample ID: 890-716-28 Date Collected: 05/21/21 00:00

Date Received: 05/21/21 13:48

Released to Imaging: 2/2/2023 8:12:44 AM

Matrix: Solid

_	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.97 g	5 mL	3390	05/24/21 09:37	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	3387	05/25/21 01:36	KL	XEN MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	3450	05/25/21 09:04	DM	XEN MID
Total/NA	Analysis	8015B NM		1			3442	05/26/21 03:22	AM	XEN MID
Soluble	Leach	DI Leach			5 g	50 mL	3451	05/25/21 10:02	SC	XEN MID
Soluble	Analysis	300.0		1			3486	05/27/21 00:11	CH	XEN MID

Initial

Amount

4.99 g

5 mL

10.01 g

4.96 g

Final

Amount

5 mL

5 mL

10 mL

50 mL

3442

3451

3486

Dil

1

1

Factor

Job ID: 890-716-1

Client: EOR/Ridgeway Arizona Oil Corp Project/Site: Mizar 11 Fed Com 14

Client Sample ID: CS15-Surface

Batch

Туре

Prep

Prep

Analysis

Analysis

Analysis

Leach

Batch

Method

5035

8021B

8015NM Prep

8015B NM

DI Leach

300.0

Date Collected: 05/21/21 00:00 Date Received: 05/21/21 13:48

Prep Type

Total/NA

Total/NA

Total/NA

Total/NA

Soluble

Soluble

Lab Sample ID: 890-716-29

Matrix: Solid

Batch Prepared Number or Analyzed Analyst Lab 3390 05/24/21 09:37 KL XEN MID 3387 05/25/21 01:57 KL XEN MID 3450 05/25/21 09:04 DM XEN MID

AM

SC

СН

05/26/21 03:43

05/25/21 10:02

05/27/21 00:16

Lab Sample ID: 890-716-30

Matrix: Solid

XEN MID

XEN MID

XEN MID

Client Sample ID: CS15-1' Date Collected: 05/21/21 00:00 Date Received: 05/21/21 13:48

Run

Batch Batch Dil Initial Final Batch Prepared Prep Type Туре Method Run Factor Amount Amount Number or Analyzed Analyst Lab Total/NA Prep 5035 5.04 g 5 mL 3390 05/24/21 09:37 KL XEN MID 8021B Total/NA 5 mL 3387 05/25/21 02:18 KL XEN MID Analysis 1 5 mL Total/NA Prep 8015NM Prep 10.00 q 10 mL 3450 05/25/21 09:04 DM XEN MID Total/NA 8015B NM Analysis 3442 05/26/21 04:04 AM XEN MID Soluble Leach DI Leach 4.95 g 50 mL 3451 05/25/21 10:02 SC XEN MID Soluble Analysis 300.0 1 3486 05/27/21 00:21 CH XEN MID

Client Sample ID: CS16-Surface

Date Collected: 05/21/21 00:00 Date Received: 05/21/21 13:48

Lab Sample ID: 890-716-31

Lab Sample ID: 890-716-32

Matrix: Solid

Matrix: Solid

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.05 g	5 mL	3445	05/25/21 08:50	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	3448	05/25/21 16:59	KL	XEN MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	3450	05/25/21 09:04	DM	XEN MID
Total/NA	Analysis	8015B NM		1			3442	05/26/21 04:46	AM	XEN MID
Soluble	Leach	DI Leach			5.04 g	50 mL	3455	05/25/21 10:05	SC	XEN MID
Soluble	Analysis	300.0		1			3533	05/27/21 01:00	CH	XEN MID

Client Sample ID: CS16-1'

Date Collected: 05/21/21 00:00

Date Received: 05/21/21 13:48

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035	_		5.01 g	5 mL	3445	05/25/21 08:50	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	3448	05/25/21 17:19	KL	XEN MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	3539	05/26/21 14:55	DM	XEN MID
Total/NA	Analysis	8015B NM		1			3502	05/27/21 06:05	AJ	XEN MID
Soluble	Leach	DI Leach			5 g	50 mL	3455	05/25/21 10:05	SC	XEN MID
Soluble	Analysis	300.0		1			3533	05/27/21 01:15	CH	XEN MID

Job ID: 890-716-1

Client: EOR/Ridgeway Arizona Oil Corp

Project/Site: Mizar 11 Fed Com 14

Lab Sample ID: 890-716-33

Client Sample ID: CS17-Surface Date Collected: 05/21/21 00:00

Matrix: Solid Date Received: 05/21/21 13:48

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.01 g	5 mL	3445	05/25/21 08:50	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	3448	05/25/21 17:40	KL	XEN MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	3450	05/25/21 09:04	DM	XEN MID
Total/NA	Analysis	8015B NM		1			3442	05/26/21 05:29	AM	XEN MID
Soluble	Leach	DI Leach			5 g	50 mL	3455	05/25/21 10:05	SC	XEN MID
Soluble	Analysis	300.0		1			3533	05/27/21 01:20	CH	XEN MID

Client Sample ID: CS17-1'

Date Collected: 05/21/21 00:00 Date Received: 05/21/21 13:48 Lab Sample ID: 890-716-34 **Matrix: Solid**

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.00 g	5 mL	3445	05/25/21 08:50	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	3448	05/25/21 18:00	KL	XEN MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	3450	05/25/21 09:04	DM	XEN MID
Total/NA	Analysis	8015B NM		1			3442	05/26/21 05:50	AM	XEN MID
Soluble	Leach	DI Leach			5.01 g	50 mL	3455	05/25/21 10:05	SC	XEN MID
Soluble	Analysis	300.0		1			3533	05/27/21 01:25	CH	XEN MID

Client Sample ID: CS18-Surface

Date Collected: 05/21/21 00:00 Date Received: 05/21/21 13:48 Lab Sample ID: 890-716-35

Matrix: Solid

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.02 g	5 mL	3445	05/25/21 08:50	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	3448	05/25/21 18:20	KL	XEN MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	3450	05/25/21 09:04	DM	XEN MID
Total/NA	Analysis	8015B NM		1			3442	05/26/21 06:11	AM	XEN MID
Soluble	Leach	DI Leach			4.96 g	50 mL	3455	05/25/21 10:05	SC	XEN MID
Soluble	Analysis	300.0		1			3533	05/27/21 01:30	CH	XEN MID

Client Sample ID: CS18-1'

Date Collected: 05/21/21 00:00 Date Received: 05/21/21 13:48 Lab Sample ID: 890-716-36

Matrix: Solid

-	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.97 g	5 mL	3445	05/25/21 08:50	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	3448	05/25/21 18:41	KL	XEN MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	3450	05/25/21 09:04	DM	XEN MID
Total/NA	Analysis	8015B NM		1			3442	05/26/21 06:32	AM	XEN MID
Soluble	Leach	DI Leach			4.95 g	50 mL	3455	05/25/21 10:05	SC	XEN MID
Soluble	Analysis	300.0		1			3533	05/27/21 01:44	CH	XEN MID

Client: EOR/Ridgeway Arizona Oil Corp

Job ID: 890-716-1

Project/Site: Mizar 11 Fed Com 14

Client Sample ID: CS19-Surface Lab Sample ID: 890-716-37

Matrix: Solid

Date Collected: 05/21/21 00:00 Date Received: 05/21/21 13:48

_	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.03 g	5 mL	3445	05/25/21 08:50	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	3448	05/25/21 19:01	KL	XEN MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	3450	05/25/21 09:04	DM	XEN MID
Total/NA	Analysis	8015B NM		1			3442	05/26/21 06:53	AM	XEN MID
Soluble	Leach	DI Leach			5.02 g	50 mL	3455	05/25/21 10:05	SC	XEN MID
Soluble	Analysis	300.0		1			3533	05/27/21 01:49	CH	XEN MID

Client Sample ID: CS19-1'

Date Collected: 05/21/21 00:00 Date Received: 05/21/21 13:48 Lab Sample ID: 890-716-38

Matrix: Solid

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.02 g	5 mL	3445	05/25/21 08:50	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	3448	05/25/21 19:22	KL	XEN MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	3450	05/25/21 09:04	DM	XEN MID
Total/NA	Analysis	8015B NM		1			3442	05/26/21 07:14	AM	XEN MID
Soluble	Leach	DI Leach			5.03 g	50 mL	3455	05/25/21 10:05	SC	XEN MID
Soluble	Analysis	300.0		1			3533	05/27/21 01:54	CH	XEN MID

Client Sample ID: CS20-Surface

Date Collected: 05/21/21 00:00 Date Received: 05/21/21 13:48

Lab Sample ID: 890-716-39

Matrix: Solid

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.00 g	5 mL	3445	05/25/21 08:50	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	3448	05/25/21 19:42	KL	XEN MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	3450	05/25/21 09:04	DM	XEN MID
Total/NA	Analysis	8015B NM		1			3442	05/26/21 07:36	AM	XEN MID
Soluble	Leach	DI Leach			5.01 g	50 mL	3455	05/25/21 10:05	SC	XEN MID
Soluble	Analysis	300.0		1			3533	05/27/21 01:59	CH	XEN MID

Client Sample ID: CS20-1'

Date Collected: 05/21/21 00:00

Date Received: 05/21/21 13:48

Lab Sample ID	D: 890-716-40
	Matrix: Solid

_	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.04 g	5 mL	3445	05/25/21 08:50	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	3448	05/25/21 20:02	KL	XEN MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	3450	05/25/21 09:04	DM	XEN MID
Total/NA	Analysis	8015B NM		1			3442	05/26/21 07:57	AM	XEN MID
Soluble	Leach	DI Leach			4.98 g	50 mL	3455	05/25/21 10:05	SC	XEN MID
Soluble	Analysis	300.0		1			3533	05/27/21 02:04	CH	XEN MID

Lab Chronicle

Client: EOR/Ridgeway Arizona Oil Corp Project/Site: Mizar 11 Fed Com 14

Job ID: 890-716-1

Client Sample ID: CS21-Surface

Lab Sample ID: 890-716-41

Date Collected: 05/21/21 00:00 Date Received: 05/21/21 13:48

Matrix: Solid

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.99 g	5 mL	3389	05/24/21 13:00	MR	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	3388	05/25/21 06:54	MR	XEN MID
Total/NA	Prep	5035			5.03 g	5 mL	3457	05/25/21 10:23	MR	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	3460	05/25/21 22:20	MR	XEN MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	3429	05/24/21 16:09	DM	XEN MID
Total/NA	Analysis	8015B NM		1			3438	05/25/21 20:45	AM	XEN MID
Soluble	Leach	DI Leach			5 g	50 mL	3455	05/25/21 10:05	SC	XEN MID
Soluble	Analysis	300.0		1			3533	05/27/21 02:09	CH	XEN MID

Lab Sample ID: 890-716-42

Client Sample ID: CS21-1' Date Collected: 05/21/21 00:00

Matrix: Solid

Date Received: 05/21/21 13:48

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.98 g	5 mL	3389	05/24/21 13:00	MR	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	3388	05/25/21 07:15	MR	XEN MID
Total/NA	Prep	5035			5.01 g	5 mL	3457	05/25/21 10:23	MR	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	3460	05/25/21 22:45	MR	XEN MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	3429	05/24/21 16:09	DM	XEN MID
Total/NA	Analysis	8015B NM		1			3438	05/25/21 21:06	AM	XEN MID
Soluble	Leach	DI Leach			4.96 g	50 mL	3455	05/25/21 10:05	SC	XEN MID
Soluble	Analysis	300.0		1			3533	05/27/21 02:23	CH	XEN MID

Client Sample ID: CS22-Surface

Lab Sample ID: 890-716-43

Date Collected: 05/21/21 00:00 Date Received: 05/21/21 13:48

Matrix: Solid

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.01 g	5 mL	3389	05/24/21 13:00	MR	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	3388	05/25/21 07:35	MR	XEN MID
Total/NA	Prep	5035			5.02 g	5 mL	3457	05/25/21 10:23	MR	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	3460	05/25/21 23:10	MR	XEN MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	3429	05/24/21 16:09	DM	XEN MID
Total/NA	Analysis	8015B NM		1			3438	05/25/21 21:28	AM	XEN MID
Soluble	Leach	DI Leach			4.98 g	50 mL	3455	05/25/21 10:05	SC	XEN MID

3533

1

Client Sample ID: CS22-1'

Analysis

300.0

Soluble

Lab Sample ID: 890-716-44

05/27/21 02:28 CH

Date Collected: 05/21/21 00:00 Date Received: 05/21/21 13:48

Matrix: Solid

XEN MID

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.02 g	5 mL	3389	05/24/21 13:00	MR	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	3388	05/25/21 07:56	MR	XEN MID

Lab Chronicle

Client: EOR/Ridgeway Arizona Oil Corp Project/Site: Mizar 11 Fed Com 14

Job ID: 890-716-1

Client Sample ID: CS22-1'

Lab Sample ID: 890-716-44

Matrix: Solid

Date Collected: 05/21/21 00:00 Date Received: 05/21/21 13:48

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8021B		1	5 mL	5 mL	3460	05/25/21 23:36	MR	XEN MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	3429	05/24/21 16:09	DM	XEN MID
Total/NA	Analysis	8015B NM		1			3438	05/25/21 21:49	AM	XEN MID
Soluble	Leach	DI Leach			5.04 g	50 mL	3455	05/25/21 10:05	SC	XEN MID
Soluble	Analysis	300.0		1			3533	05/27/21 02:43	CH	XEN MID

Client Sample ID: CS23-Surface

Batch

Lab Sample ID: 890-716-45 Date Collected: 05/21/21 00:00 Matrix: Solid

Initial

Final

Batch

Prepared

Date Received: 05/21/21 13:48

Batch

Analyst Lab MR XEN MID MR XEN MID MR XEN MID XEN MID MR

Prep Type Туре Method Run Factor Amount Amount Number or Analyzed Total/NA Prep 5035 4.99 g 5 mL 3389 05/24/21 13:00 Total/NA 8021B 5 mL 5 mL 3388 05/25/21 08:16 Analysis Total/NA 5035 Prep 5.06 q 5 mL 3457 05/25/21 10:23 Total/NA 8021B 5 mL 5 mL 3460 05/26/21 00:02 Analysis Total/NA Prep 8015NM Prep 10.03 g 10 mL 3429 05/24/21 16:09 DM XEN MID Total/NA Analysis 8015B NM 3438 05/25/21 22:11 AM XEN MID 50 mL 05/25/21 10:05 SC XEN MID Soluble Leach DI Leach 5.05 g 3455 Soluble Analysis 300.0 1 3533 05/27/21 02:48 CH XEN MID

Dil

Client Sample ID: CS23-1' Lab Sample ID: 890-716-46 Date Collected: 05/21/21 00:00 Matrix: Solid

Date Received: 05/21/21 13:48

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8021B		1	5 mL	5 mL	3388	05/25/21 08:36	MR	XEN MID
Total/NA	Prep	5035			5.07 g	5 mL	3457	05/25/21 10:23	MR	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	3460	05/26/21 00:27	MR	XEN MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	3429	05/24/21 16:09	DM	XEN MID
Total/NA	Analysis	8015B NM		1			3438	05/25/21 22:32	AM	XEN MID
Soluble	Leach	DI Leach			4.96 g	50 mL	3455	05/25/21 10:05	SC	XEN MID
Soluble	Analysis	300.0		1			3533	05/27/21 02:53	CH	XEN MID

Laboratory References:

XEN MID = Eurofins Xenco, Midland, 1211 W. Florida Ave, Midland, TX 79701, TEL (432)704-5440

Accreditation/Certification Summary

Client: EOR/Ridgeway Arizona Oil Corp Job ID: 890-716-1

Project/Site: Mizar 11 Fed Com 14

Laboratory: Eurofins Xenco, Midland

Unless otherwise noted, all analytes for this laboratory were covered under each accreditation/certification below.

uthority		ogram	Identification Number	Expiration Date 06-30-21	
Texas	xas NELA		T104704400-20-21		
The following analytes the agency does not of	' '	t the laboratory is not certifi	ied by the governing authority. This list ma	ay include analytes for	
Analysis Method	Prep Method	Matrix	Analyte		
8015B NM	004511145	Solid	T-4-LTDU		
OU IOD INIVI	8015NM Prep	Solid	Total TPH		

Eurofins Xenco, Carlsbad

Method Summary

Client: EOR/Ridgeway Arizona Oil Corp Project/Site: Mizar 11 Fed Com 14 Job ID: 890-716-1

2

Method	Method Description	Protocol	Laboratory
8021B	Volatile Organic Compounds (GC)	SW846	XEN MID
8015B NM	Diesel Range Organics (DRO) (GC)	SW846	XEN MID
300.0	Anions, Ion Chromatography	MCAWW	XEN MID
5035	Closed System Purge and Trap	SW846	XEN MID
8015NM Prep	Microextraction	SW846	XEN MID
DI Leach	Deionized Water Leaching Procedure	ASTM	XEN MID

Protocol References:

ASTM = ASTM International

MCAWW = "Methods For Chemical Analysis Of Water And Wastes", EPA-600/4-79-020, March 1983 And Subsequent Revisions. SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

Laboratory References:

XEN MID = Eurofins Xenco, Midland, 1211 W. Florida Ave, Midland, TX 79701, TEL (432)704-5440

8

11

12

14

Sample Summary

Client: EOR/Ridgeway Arizona Oil Corp Project/Site: Mizar 11 Fed Com 14 Job ID: 890-716-1

2

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Asset ID
890-716-1	CS1-Surface	Solid	05/21/21 00:00	05/21/21 13:48	
890-716-2	CS1-1'	Solid	05/21/21 00:00	05/21/21 13:48	
890-716-3	CS2-Surface	Solid	05/21/21 00:00	05/21/21 13:48	
890-716-4	CS2-1'	Solid	05/21/21 00:00	05/21/21 13:48	
890-716-5	CS3-Surface	Solid	05/21/21 00:00	05/21/21 13:48	
890-716-6	CS3-1'	Solid	05/21/21 00:00	05/21/21 13:48	
890-716-7	CS4-Surface	Solid	05/21/21 00:00	05/21/21 13:48	
890-716-8	CS4-1'	Solid	05/21/21 00:00	05/21/21 13:48	
890-716-9	CS5-Surface	Solid	05/21/21 00:00	05/21/21 13:48	
890-716-10	CS5-1'	Solid	05/21/21 00:00	05/21/21 13:48	
890-716-11	CS6-Surface	Solid	05/21/21 00:00	05/21/21 13:48	
890-716-12	CS6-1'	Solid	05/21/21 00:00	05/21/21 13:48	
890-716-13	CS7-Surface	Solid	05/21/21 00:00	05/21/21 13:48	
890-716-14	CS7-1'	Solid	05/21/21 00:00	05/21/21 13:48	
890-716-15	CS8-Surface	Solid	05/21/21 00:00	05/21/21 13:48	
890-716-16	CS8-1'	Solid	05/21/21 00:00	05/21/21 13:48	
890-716-17	CS9-urface	Solid	05/21/21 00:00	05/21/21 13:48	
890-716-18	CS9-1'	Solid	05/21/21 00:00	05/21/21 13:48	
890-716-19	CS10-Surface	Solid	05/21/21 00:00	05/21/21 13:48	
890-716-20	CS10-1'	Solid	05/21/21 00:00	05/21/21 13:48	
890-716-21	CS11-Surface	Solid	05/21/21 00:00	05/21/21 13:48	
890-716-22	CS11-1'	Solid	05/21/21 00:00	05/21/21 13:48	
890-716-23	CS12-Surface	Solid	05/21/21 00:00	05/21/21 13:48	
890-716-24	CS12-1'	Solid	05/21/21 00:00	05/21/21 13:48	
890-716-25	CS13-Surface	Solid	05/21/21 00:00	05/21/21 13:48	
890-716-26	CS13-1'	Solid	05/21/21 00:00	05/21/21 13:48	
890-716-27	CS14-Surface	Solid	05/21/21 00:00	05/21/21 13:48	
890-716-28	CS14-1'	Solid	05/21/21 00:00	05/21/21 13:48	
890-716-29	CS15-Surface	Solid	05/21/21 00:00	05/21/21 13:48	
890-716-30	CS15-1'	Solid	05/21/21 00:00	05/21/21 13:48	
890-716-31	CS16-Surface	Solid	05/21/21 00:00	05/21/21 13:48	
890-716-32	CS16-1'	Solid	05/21/21 00:00	05/21/21 13:48	
890-716-33	CS17-Surface	Solid	05/21/21 00:00	05/21/21 13:48	
890-716-34	CS17-1'	Solid	05/21/21 00:00	05/21/21 13:48	
890-716-35	CS18-Surface	Solid	05/21/21 00:00	05/21/21 13:48	
890-716-36	CS18-1'	Solid	05/21/21 00:00	05/21/21 13:48	
890-716-37	CS19-Surface	Solid	05/21/21 00:00	05/21/21 13:48	
890-716-38	CS19-1'	Solid	05/21/21 00:00	05/21/21 13:48	
890-716-39	CS20-Surface	Solid	05/21/21 00:00	05/21/21 13:48	
890-716-40	CS20-1'	Solid	05/21/21 00:00	05/21/21 13:48	
890-716-41	CS21-Surface	Solid	05/21/21 00:00	05/21/21 13:48	
890-716-42	CS21-1'	Solid	05/21/21 00:00	05/21/21 13:48	
890-716-43	CS22-Surface	Solid	05/21/21 00:00	05/21/21 13:48	
	CS22-1'	Solid	05/21/21 00:00	05/21/21 13:48	

05/21/21 13:48

05/21/21 13:48

05/21/21 00:00

05/21/21 00:00

Solid

Solid

CS23-Surface

CS23-1'

890-716-45

890-716-46

Environment Testing

Xenco

Chain of Custody

Houston, TX (281) 240-4200, Dallas, TX (214) 902-0300 Midland, TX (432) 704-5440, San Antonio, TX (210) 509-3334 EL Paso, TX (915) 585-3443, Lubbock, TX (806) 794-1296 Hobbs, NM (575) 392-7550, Carlsbad, NM (575) 988-3199

Work Order	No:	

Project Manager: Tom Bynum Bill to: (if different)				nt) Deven Energy				Work Order Comments													
Company Name: PIMA Company Name:				e:				•					Progran	n: UST/P	ST 🗌 F	RP	Brown	nfields 🗌 RRC	Superfund		
Address:	1601 IV	1. 7.00	ner 8t		Address:									7	State of Project:						
City, State ZIP:	Hobbs				City, State ZIP										Reportin	ıg: Level	II 🗌 Le	vel III [] PS1	I/UST 🗌 TRRI	P ☐ Level IV ☐
Phone:	,,,,,,	7	- DODGE	Email:											Delivera	bles: ED	D 🔲	/	ADaPT	Other	:
	Parkway V	lost	SUD1	Turn	Around							ANAL	YSIS	REC	UEST					Preserva	ative Codes
Project Number:	Funkung V	1601	3710 /	Routine	Rush	Pres.			П	T										None: NO	DI Water: H₂O
Project Location:				Due Date:		Code														Cool: Cool	MeOH: Me
Sampler's Name:					e day received by		<u> </u>		↓_		├		\rightarrow				+		$\neg \neg$	HCL: HC	HNO ₃ : HN
PO #:					ceived by 4:30pm							}	,			1	-			H₂SO₄: H₂	NaOH: Na
SAMPLE RECE	IPT Temp	Blank:	Yes No	Wet Ice:	Yes No	meters					1	111	AMAN NAST							H₃PO₄: HP	
Samples Received I	ntact: Yes	No	Thermomet	er ID:	NM-DO	7 5		1	1		İ	₩	III III	Ш		H irin nu	₩			NaHSO₄: NABI	IS
Cooler Custody Sea	ls: Yes No	N/A	Correction I	actor:	-0.2		14	1,10						WI			lli .			Na ₂ S ₂ O ₃ : NaS(-
Sample Custody Sea	als: Yes No	N/A	Temperatur		24.4		0,	16	1	1		II			ain of Cut	stody				Zn Acetate+Na	
Total Containers:			Corrected T	emperature:	24.2		12	(4)	1	,	l	. 8	90-716		11110104					NaOH+Ascorb	ic Acid: SAPC
Sample Ide	ntification	Matrix	Date Sampled	Time Sampled	Donth	# of Cont	'\	٧		١										Sample	Comments
CS1-S	urface	Soil	5/21/21		G				П								<u> </u>				
CS1 -	1 1		1			1	11_		Ш								ļ				
CS2-	Surface				1		Ш		Ш						-		↓				
C52-1	<u>'</u>						Ш		Ш								ļ				
cs3-5	irface	Ш					Ш		Ц								<u> </u>				
C53-1									Ц								<u> </u>				
CS4-50		\prod									<u> </u>										
C54-1																					
C35-5.																			<u> </u>		
C55-1'																					
Total 200.7 / 6		020:	81	RCRA 13P	PM Texas 11	AI S	Sb As	Ва	Be E	3 Cd (Ca Cr	Co (Cu Fe	Pb	Mg Mn	Mo Ni	K Se	Ag S	SiO ₂ N	Na Sr Ti Sn	U V Zn
Circle Method(s) a					PLP 6010: 8R													Hg: 1	631 /	245.1 / 7470	/ 7471

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Relinquished by: (8ignature)	Received by: (Signature)	Date/Time	Relinquished by: (Signature)	Received by: (Signature)	Date/Time
recosteun C.	Croe Ceuts	5-21-21 134	8		
3			4		
5			6		avised Date: 08/25/2020 Rev. 2020.2

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Environment Testing Xenco

Chain of Custody

Houston, TX (281) 240-4200, Dallas, TX (214) 902-0300 Midland, TX (432) 704-5440, San Antonio, TX (210) 509-3334 EL Paso, TX (915) 585-3443, Lubbock, TX (806) 794-1296 Hobbs, NM (575) 392-7550, Carlsbad, NM (575) 988-3199

Work Order No:	

			www.xenco.com ragoor
Project Manager:	Bill to: (if different)		Work Order Comments
Company Name: 29	Company Name:		Program: UST/PST PRP Brownfields RRC Superfund
Address:	Address:		State of Project:
City, State ZIP:	City, State ZIP:		Reporting: Level II Level III PST/UST TRRP Level IV
Phone:	Email:		Deliverables: EDD ☐ ADaPT ☐ Other:
Project Name:	Turn Around	ANALYSIS RE	QUEST Preservative Codes
	Routine Rush Pres.		None: NO DI Water: H ₂ O
	ue Date:		Cool: Cool MeOH: Me
Sampler's Name: TAT	AT starts the day received by		HCL: HC HNO ₃ : HN
PO#: the	ne lab, if received by 4:30pm		H ₂ S0 ₄ ; H ₂ NaOH: Na
SAMPLE RECEIPT Temp Blank: Yes No W	Net Ice: No		H₃PO₄: HP
Samples Received Intact: Yes No Thermometer ID	aran	12/4	NaHSO₄: NABIS
Cooler Custody Seals: Yes No N/A Correction Factor		0 14 1	Na ₂ S ₂ O ₃ : NaSO ₃
Sample Custody Seals: Yes No N/A Temperature Re	eading:		Zn Acetate+NaOH: Zn
Total Containers: Corrected Temp	perature:	110011	NaOH+Ascorbic Acid: SAPC
Cample Identification Matrix	Time Depth Grab/ # of Comp Cont	,, , , , , , , , , , , , , , , , , , , ,	Sample Comments
CSG-Surface Soil 5/21/21	6 (
CS6-11			
CS7-Surfuel			
CS7-1'			
CS8-Sorface			
C38-11			
CS9-Surface			
CS9-1'			
CS10-Sufuel			
c\$10-1'			
Total 200.7 / 6010 200.8 / 6020: 8RCR	RA 13PPM Texas 11 Al S	b As Ba Be B Cd Ca Cr Co Cu Fe P	b Mg Mn Mo Ni K Se Ag SiO₂ Na Sr Tl Sn U V Zn

TCLP / SPLP 8010. 8RCRA Sp As Ba Be Cd Cr Co Cu Pb Mn Mo Ni Se Ag TI U

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	Relinquished by (Signature)	Received by; (Signature)	Date/Time	Relinquished by: (Signature)	Received by: (Signature)	Date/Time
	Leleaslean C.	(we cuto	5-21-21 1348	2		
//	3			4		
	5			6		wired Date 08/25/2020 Sev 2020 2

Page 86 of 92

Environment Testing

Chain of Custody

Houston, TX (281) 240-4200, Dallas, TX (214) 902-0300 Midland, TX (432) 704-5440, San Antonio, TX (210) 509-3334 EL Paso, TX (915) 585-3443, Lubbock, TX (806) 794-1296 Hobbs, NM (575) 392-7550, Carlshad, NM (575) 988-3199

Work Order	No:	
Work Order	NO:	

	TIODDS, MW (5/5) 392-7550, Cansbad, NM (5/5) 900-3199	www.xenco.com	Page 5 of		
Project Manager:	Bill to: (if different)		Work Order (Comments		
Company Name:	Company Name:		Program: UST/PST PRP Brownfields RRC Superfund			
Address:	Address:		State of Project:			
City, State ZIP:	City, State ZIP:		Reporting: Level II Level III PS			
Phone: Em	il:		Deliverables: EDD ADaP	T Other:		
Project Name: To	rn Around	ANALYSIS RE	QUEST	Preservative Codes		
Project Number: Routin	Rush Pres.			None: NO DI Water: H₂O		
Project Location: Due Date	:			Cool: Cool MeOH: Me		
	the day received by			HCL: HC HNO ₃ : HN		
PO#: the lab, if	received by 4:30pm			H ₂ SO ₄ : H ₂ NaOH: Na		
SAMPLE RECEIPT Temp Blank: Yes No Wet Ice	Aes No Aes No			H ₃ PO ₄ : HP		
Samples Received Intact: Yes No Thermometer ID:	ara			NaHSO₄: NABIS		
Cooler Custody Seals: Yes No N/A Correction Factor				Na ₂ S ₂ O ₃ : NaSO ₃		
Sample Custody Seals: Yes No N/A Temperature Reading		10/12/01		Zn Acetate+NaOH: Zn NaOH+Ascorbic Acid: SAPC		
Total Containers: Corrected Temperatur	e:	1/10/10/11		NaOH+Ascorbic Acid. SAFC		
Sample Identification Matrix Date Sampled Sample	Depth Grab/ # of Comp Cont			Sample Comments		
GS11-Surface Soil 5/21/21	61					
CSIL-1'						
CS12-Surface						
C512-1'						
CS13-Surface	1 1 1 1 1					
CS13-1'	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1					
CS14-Surface				 		
cs14-1'						
CS15-Sortace						
C515-1'						
		b As Ba Be B Cd Ca Cr Co Cu Fe P		Na Sr Tl Sn U V Zn		
Circle Method(s) and Metal(s) to be analyzed TCLP /	SPLP 6010: 8RCRA	Sb As Ba Be Cd Cr Co Cu Pb Mn Mo	Ni Se Ag TI U Hg: 1631	/ 245.1 / 7470 / 7471		

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Relinquished by: (Signature)	Received by: (Signature)	Date/Time	Relinquished by: (Signature)	Received by: (Signature)	Date/Time
Velecolean C.	(los Cuts	5.21.21 1348	+		
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Environment Testing

Chain of Custody

Houston, TX (281) 240-4200, Dallas, TX (214) 902-0300 Midland, TX (432) 704-5440, San Antonio, TX (210) 509-3334 EL Paso, TX (915) 585-3443, Lubbock, TX (806) 794-1296 Hobbs, NM (575) 392-7550, Carlsbad, NM (575) 988-3199

WOIR CIGET NO.	Work Order I	No:	
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		www.xenco.	com Page of
Project Manager:	Bill to: (if different)	Work Orc	der Comments
Company Name:	Company Name:	Program: UST/PST PRP B	Brownfields ☐ RRC ☐ Superfund ☐
Address:	Address:	State of Project:	
City, State ZIP:	City, State ZIP:	Reporting: Level II Level III] PST/UST [] TRRP [] Level IV
Phone:	Email:	Deliverables: EDD A	DaPT ☐ Other:
		ANALYSIS DEGUEST	Preservative Codes
Project Name:	Turn Around Pres.	ANALYSIS REQUEST	None: NO DI Water: H ₂ O
Project Number:	Routine Rush Code		
	e Date:		Cool: Cool MeOH: Me HCL: HC HNO ₃ : HN
	T starts the day received by		HCL: HC HNO ₃ : HN H ₂ SO ₄ : H ₂ NaOH: Na
PO#.	2 in the state of		H ₃ PO ₄ : HP
	Vet Ice: Yes No		NaHSO₄: NABIS
Samples Received Intact: Yes No Thermometer ID Cooler Custody Seals: Yes No N/A Correction Factor			Na ₂ S ₂ O ₃ : NaSO ₃
Cooler Custody Seals: Yes No N/A Correction Factor Sample Custody Seals: Yes No N/A Temperature Re			Zn Acetate+NaOH: Zn
Total Containers: Corrected Temp			NaOH+Ascorbic Acid: SAPC
	Time Grab/#of		
Sample Identification Matrix	ampled Depth Comp Cont		Sample Comments
CS/6-Surface Soil 5/21/21	61		
CS16-1'			
C517-Surface			
C317-1'			
CS18-Sinface			
c518-1'			
CS19-Surface			
C319-11			
CS20-Surface			
CS20-1'			
	RA 13PPM Texas 11 Al Sb As Ba Be	B Cd Ca Cr Co Cu Fe Pb Mg Mn Mo Ni K Se Ag Si	O ₂ Na Sr Tl Sn U V Zn
			631 / 245.1 / 7470 / 7471
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Retinguished by: (Signature)	Received by: (Signature)	Date/Time	Relinquished by: (Signature)	Received by: (Signature)	Date/Time
alousteum .	(we (wh	5-21-21 1348	2		
3			4		
5			6		00050000 Bay 20

Revised Date: 08/25/2020 Rev 2020 2

Environment Testing

Xenco

Chain of Custody

Houston, TX (281) 240-4200, Dallas, TX (214) 902-0300 Midland, TX (432) 704-5440, San Antonio, TX (210) 509-3334 EL Paso, TX (915) 585-3443, Lubbock, TX (806) 794-1296 Hobbs, NM (575) 392-7550, Carlsbad, NM (575) 988-3199

Work	Order I	No:			

								,		·	,						www.x	enco.co	m Page	<u> </u>				
Project Manager:					Bill to: (if	differen	it)				_						Wor	k Orde	r Comments					
Company Name:					Compan	y Name	ن	-						P	rogram:	UST/PS1	Γ∏ PR	P Bro	ownfields RR	C Superfund				
Address:					Address	:			42	ī				1 1	State of Project:									
City, State ZIP:					City, Sta	te ZIP:								│ R	eporting:	Level II	Leve	el III 🗌 F	PST/UST 🗌 TR	RP Level IV				
Phone:				Email] [eliverabl	es: EDD		ADa	PT Oth	er:				
Project Name:				Turr	n Around							ANAL	YSIS I	REQUI	ST				Preser	vative Codes				
Project Number:				Routine	Rush	1	Pres. Code												None: NO	DI Water: H₂O				
Project Location:		_		Due Date:												1 1	1		Cool: Cool	MeOH: Me				
Sampler's Name:				TAT starts th	ne day rece	ived by	-		-	+-	-					1 1			HCL: HC	HNO₃: HN				
PO #:				the lab, if re	ceived by 4	:30pm	ည									1 1			H₂S0₄: H₂	NaOH: Na				
SAMPLE RECEIPT	Temp BI	ank:	Yes No	Wet-Ice:	Yes	No	Parameters									1 1	ĺ		H₃PO₄: HP					
Samples Received Intact:	Yes	No	Thermom	eter ID:	1/		ıaı.					1				1 1			NaHSO₄: NA	BIS				
Cooler Custody Seals:	Yes No	NA	Correction	Factor:	D] &									1 1			Na ₂ S ₂ O ₃ : Na	SO₃				
Sample Custody Seals:	Yee No	N/A	Temperat	ure Reading:						}	1								Zn Acetate+I	NaOH: Zn				
Total Containers:			Corrected	Temperature:			1		ļ							1 1			NaOH+Asco	rbic Acid: SAPC				
Sample Identificat	tion	Matrix	Date Sampled	Time Sampled	Depth	Grab/ Comp													Sampl	e Comments				
CS21-Sun	Luce	Soil	5/21/2	1		6	1																	
CS21-1'		T																						
CS 22-Su	Love	T				П	П																	
(522 - 1	,					П																		
CS23-S	tace						П																	
CS23-11	,	$\neg \neg$																						
		-				•	T'-																	
Total 200.7 / 6010	200.8 / 60	20:		DCDA 12D	DM Tax	(op 11	ΛΙ 6	b As	Ba Bo	B C4	Cac	Co	L Ec	Ph M	n Mn A	lo Ni K	Se /	n SiO-	Na Sr Tl Sr	U V Zn				
Circle Method(s) and Me				TCLP/S															1 / 245.1 / 747					
Notice: Signature of this docume of service. Eurofins Xenco will b of Eurofins Xenco. A minimum c	e liable only fo	r the cos	at of samples	and shall not ass	ume any res	ponsibil	ity for a	ny losses	or expens	ses incur	ed by the	client if	such los	ses are o	ue to circi	mstances	beyond t	the contro	ı					
Relingaished by: (Sig	nature)	7	Receiv	red by: (Signa	ature)			Date/T	ime	F	Relinqu	shed I	oy: (Sig	nature)	Receiv	ved by	: (Signa	iture)	Date/Time				
eleastean	0		100	Cip			5:	21.2	1134	182														

Released to Imaging: 2/2/2023 8:12:44 AM

5/28/2021

Eurofins Xenco, Carlsbad

1089 N Canal St. Carlsbad, NM 88220

Chain of Custody Record

eurofins | Environment Testing America

FIIONE 373-900-3199 Fax. 373-900-3199																									
Client Information (Sub Contract Lab)	Sampler ⁻				PM ylor,	Holly							ľ	Carrie	er Trac	king	No(s)				DC No: 90-232.1				
Client Contact: Shipping/Receiving	Phone:				Mail:	ylor@e	eurofi	inse	et con	n					of Ori			·····		Pag	ige: age 1 of 6				
Company ⁻				110		creditati					ote)			NEW	IVICA		*				b#:				
Eurofins Xenco Address.	15. 5 : 5				N	ELAP -	- Tex	as													90-716-1	**********			
1211 W Florida Ave, ,	Due Date Request 5/27/2021	ea								An	alys	sis I	Rea	ues	ted					1	eservation Co				
City Midland	TAT Requested (d	ays)					T	Т	T									T		В	HCL NaOH	N	Λ - Hexane ۱ - None		
State, Zip:	1							ı												D.	- Zn Acetate - Nitric Acid	P	AsNaO2 Na2O4S	3	
TX, 79701 Phone	PO#				-			ı	_											F	- NaHSO4 MeOH	R	Na2SO3 R - Na2S2O		
432-704-5440(Tel) Email	WO #:			***************************************	_ g		1 8	201	H TPH										3	Н		I T	H2SO4		ate
					وَ	2	1 5		ep F	١									e	J	D. 114(0)	٧	J - Acetone / MCAA		
Project Name: Mızar 11 Fed Com 14	Project #: 89000051				3	ا ق	X 5	5	S P				1						euis		- EDTA EDA		V pH 4-5 cother (sp		
Site:	SSOW#:				٦ď	٤	Calc BTEX	5	16NM										Conta	98888	her				
Sample Identification - Client ID (Lab ID)	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water S=solid, O=waste/oll, BT=Tissue, A=A	Field Filtered Sa		8021B/6036FP_Calc BTEX	SUU_UKGFW_ZSU	8016MOD_NM/8016NM_S_Prep Fuil										Total Number of	3833	Special	Inst	ructions	s/Note:	
		><	PROCESSOR STATEMENT OF THE PROCESSOR OF	tion Code:	STREET SMILES	X	4 3.5	.1	Val.			1		ir sparne		Pro-cell			Š	1					- Adding
CS1-Surface (890-716-1)	5/21/21	Mountain		Solid			x >	x	x						2.000-0000				1			1-15, 55500-5	in him dealers beginning MCS	SAVAGEMENT	2000
CS1-1' (890-716-2)	5/21/21	Mountain		Solid			x ;	x	x	7								\top	1	1					
CS2-Surface (890-716-3)	5/21/21	Mountain		Solid	1		x ;	×	x									7	1						
CS2-1' (890-716-4)	5/21/21	Mountain		Solid			x ;	×	х				1					\neg	1	Ť					
CS3-Surface (890-716-5)	5/21/21	Mountain		Solid			x ;	x	х									1	1	Ť					
CS3-1' (890-716-6)	5/21/21	Mountain		Solid			x ;	x	х										,	đ					
CS4-Surface (890-716-7)	5/21/21	Mountain		Solid			x ;	×	х										1	T	***************************************				
CS4-1' (890-716-8)	5/21/21	Mountain		Solid			x ;	x	х									1	,	1					
CS5-Surface (890-716-9)	5/21/21	Mountain		Solid	T		x ;	x	х										١,	丰					
Note: Since laboratory accreditations are subject to change, Eurofins Xenco LLC maintain accreditation in the State of Origin listed above for analysis/tests/matrix LLC attention immediately If all requested accreditations are current to date re	being analyzed the	samnles must t	ha chinnad had	rk to the Fur	ofine Y	anco II	Clahe	arota	ract lal	borat	tories. instru	This ctions	samp will b	le shi e pro	pmen vided	t is fo	rwarde chang	d unde	er chain ccredit	1-of-cu lation	ustody If the la status should b	aborat se bro	ory does no	ot curren	itly nco
Possible Hazard Identification	*****				****	Sam	ple D	isp	osal	(A	fee n	nay	be a	sses	sed	if sa	mple	s are	retai	ined	l longer thar	n 1 n	nonth)		
Unconfirmed							Ret	urn	То С	lien	t		\Box_D	ispo	sal E	<u>y L</u> a	b		Arc	chive	e For		_ Months	s _	
Deliverable Requested I II III IV Other (specify)	Primary Deliver	able Rank	2			Spec	al In	stru	ction	s/Q	C Re	quire	emen	ts											***************************************
Empty Kit Relinquished by		Date			Ti	me				_	1.				Meth	od of	Shipm	ent:		-	Name of the last o			(*************************************	15000000000000000000000000000000000000
Relinquished by 6.21	DatesTime:			Company		12	ereive	1/2	20				No. of the last of				Date	ime	1-21		Mynan	7	Company		
Relinquished by:	Date/Time:	·		Company		R	ecelve	d by	<u> </u>	-					·		Date/	Time:		<u> </u>	V 1 V 0- 1	1	Company		
Relinquished by	Date/Time:			Company		R	eceive	ed by	r			*		••••••••			Date/	Time [.]		***************************************		+	Company		
Custody Seals Intact Custody Seal No						С	ooler	Tem	peratu	re(s)	°C an	d Oth	er Re	mark	S	***************************************	<u></u>			***************************************					

Eurofins Xenco, Carlsbad

Phone 575-988-3199 Fax: 575-988-3199

1089 N Canal St. Carlsbad, NM 88220

Chain of Custody Record

💸 eurofins

Environment Testing America 5/28/2021

Client Information (Sub Contract Lab)	Sampler			Lab P Tavk	M or, H	oliv						Carr	ier Tra	cking l	No(s)				COC No: 890-232 3			
Client Contact: Shipping/Receiving	Phone ⁻			E-Mai	ı	· ·							of Or					1	Page			
Company				nolly		or@eu editation				ite)		Nev	v Mex	(ico					Page 3 of 6 Job#:			
Eurofins Xenco						AP - T			Jee 110	n o)									300 #: 890-716-1			
Address 1211 W Florida Ave ,	Due Date Request 5/27/2021	ed							An	alysis	s Re	que	sted						Preservation Code	s		
City ⁻ Midland	TAT Requested (d	ays)·									T							9	B NaOH	M - Hexane N None		
State, Zip: TX, 79701																			D - Nitric Acid	O - AsNaO2 P Na2O4S Q - Na2SO3		
Phone: 432-704-5440(Tel)	PO #:				H			표										Ŋ	F MeOH	R Na2S2O3 S H2SO4		
Email	WO #:				r No)		hloride	Full TPH								١			H Ascorbic Acid	T - TSP Dodecahydrate U Acetone		
Project Name:	Project #:				Sey o		O HO	P. Pe										2	K - EDTA	V MCAA W pH 4-5		
Mizar 11 Fed Com 14 Site:	89000051 SSOW#:					BTE	LEA	S										21	L EDA :	Z other (specify)		
					Sam		3D/D	8016										နို <u>[</u>	outer			
		Sample	Sample Type (C=comp,	Matrix (w=water S=solid, O=waste/oil,	id Filtered	8021B/6036FP_Calc BTEX	300_ORGFM_28D/DI_LEACH Chloride	8015MOD_NM/8015NM_S_Prep			-							Total Number of				
Sample Identification - Client ID (Lab ID)	Sample Date	Time	G=grab)	BT≖Tissue, A≖Air)		802	300	801										8	Special Inst	tructions/Note:		
		\sim	Preserva	tion Code:	X	<u> </u>					3	1				- 10 (10 (10 (10 (10 (10 (10 (10 (10 (10		X	100 March 1980			
CS10-Surface (890-716-19)	5/21/21	Mountain		Solid		X	х	х										1				
CS10-1' (890-716-20)	5/21/21	Mountain		Solid		Х	x	х										1				
CS11-Surface (890-716-21)	5/21/21	Mountain		Solid		Х	х	х										1				
CS11-1' (890-716-22)	5/21/21	Mountain		Solid		х	х	х			T					1		1				
CS12-Surface (890-716-23)	5/21/21	Mountain		Solid		×	х	х	\neg							7	7.7	1				
CS12-1' (890-716-24)	5/21/21	Mountain		Solid		X	х	х										1				
CS13-Surface (890-716-25)	5/21/21	Mountain		Solid	П	х	х	х			1							1				
CS13-1' (890-716-26)	5/21/21	Mountain		Solid		х	х	х										1				
CS14-Surface (890-716-27)	5/21/21	Mountain		Solid		X	х	х			\dagger							1				
Note. Since laboratory accreditations are subject to change, Eurofins Xenco LLC maintain accreditation in the State of Origin listed above for analysis/tests/matrix t LLC attention immediately If all requested accreditations are current to date retu	places the ownership being analyzed the s rn the signed Chain	o of method an amples must b of Custody atte	alyte & accred e shipped bac esting to said o	ditation complian ok to the Eurofins complicance to E	nce up s Xend urofin	on out s co LLC I ss Xenco	subcon laborat o LLC.	tract la	borato other i	ories. The	nis sar ons wil	nple sh I be pro	ipmen	is for	warde chang	d unde	er chair accredi	n-of- itatio	-custody If the labora on status should be bro	tory does not currently bught to Eurofins Xenco		
Possible Hazard Identification					s	ample	Dis	oosal	(A1	ee ma	y be	asse	ssed	if sa	mple	s are	reta	ine	ed longer than 1 i	month)		
Unconfirmed Deliverable Requested	Primary Deliver	ahle Rank 3)		۱,		Return			C Requ		Dispo	sal B	y Lai	b		-	chi	ve For	Months		
Empty Kit Relinquished by	-	Date				***************************************	111511	dello	15/Q	z Kequ	e	ents 1	T. e . e .	6 6	No. i							
	Date/Time:	Date	T	Company	Time		ivorth	/_		4,	#	n/	weth		Shipme		·····			0-		
Relinquished by B. 21, 21						1/	ived/6	1111	1				*		Date/		1-2		(0:00.m)	Company		
V	Date/Time:			Company		Reda	oved b	iy.	Ü	11- 2					Date/	Time:				Company		
Relinquished by	Date/Time:			Company		Rece	eived b	y.	···				•		Date/	rime [.]				Company		
Custody Seals Intact					***********	Cool	er Tem	nperatu	ıre(s) °	°C and C	Other F	Remark	s	1								

Login Sample Receipt Checklist

Client: EOR/Ridgeway Arizona Oil Corp

Job Number: 890-716-1

SDG Number:

Login Number: 716 List Source: Eurofins Xenco, Carlsbad

List Number: 1 Creator: Clifton, Cloe

Question	Answer	Comment
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	N/A	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	N/A	

Page 91 of 92 5/28/2021

Login Sample Receipt Checklist

Client: EOR/Ridgeway Arizona Oil Corp

Job Number: 890-716-1

SDG Number:

List Source: Eurofins Xenco, Midland
List Number: 2
List Creation: 05/24/21 10:13 AM

Creator: Copeland, Tatiana

Question	Answer	Comment
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is	True	

1

5/28/2021

<6mm (1/4").

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

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 180262

CONDITIONS

Operator:	OGRID:
DEVON ENERGY PRODUCTION COMPANY, LP	6137
333 West Sheridan Ave.	Action Number:
Oklahoma City, OK 73102	180262
	Action Type:
	[C-141] Release Corrective Action (C-141)

CONDITIONS

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