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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 tales than 50 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 ver contamination associated with the release have been determined. Refer to 19.15.29.11 NMAC for specifics.	tical extents of soil
Characterization Report Checklist: Each of the following items must be included in the report.	

Characterization Report Checklist: Each of the following items must be included in the report.
 ⊠ Scaled site map showing impacted area, surface features, subsurface features, delineation points, and monitoring wells. ⊠ Field data
Data table of soil contaminant concentration data
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
Lacolatory 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.

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Incident ID	NAB1822127797
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I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to OCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the OCD does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment. In addition, OCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations.

Printed Name: Dale Woodall

Signature: Dale Woodall

Title: EHS Professional

Date: 1/4/2023

email: dale.woodall@dvn.com

Telephone: 575-748-1838

OCD Only

Received by: Jocelyn Harimon

Date: 01/04/2023

lew Mexico

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 it	tems must be included in the closure report.
☒ A scaled site and sampling diagram as described in 19.15.29.1	1 NMAC
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 should their operations have failed to adequately investigate and ren numan health or the environment. In addition, OCD acceptance of a	nditions. The responsible party acknowledges they must substantially nditions that existed prior to the release or their final land use in CD when reclamation and re-vegetation are complete. Title: EHS Professional
OCD Only	
Received by: Jocelyn Harimon	Date:01/04/2023
	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:	Date:
Printed Name:	Title:



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

January 3, 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	Constituent & Limits								
(Appendix A)	Chlorides	Chlorides Total TPH GRO+D		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

NMOCD						4 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 -	lwater is 51	100')
CI- D		EVON EN	VERGY - PA					
Sample Date	Depth	BTEX	Benzene	GRO GRO	DRO	MRO MRO	Total TPH	CI
Sumple to	(BGS)	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
S-1	0-6"	ND	ND	ND	ND	ND	ND	448
S-2	0-6"	ND	ND	ND	ND	ND	ND	640
100	0-6"	ND	ND	ND	ND	ND	ND	688
S-3	1'	ND	ND	ND	ND	ND	ND	160
	2'	ND	ND	ND	ND	ND	ND	112
	31	ND	ND	ND	ND	ND	ND	96
S-4	0-6"	ND	ND	ND	ND	ND	ND	1230
	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
2-13	11	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
5.10	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-	23-20	
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
1.0	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 Tal	ble 1 Clos	ure Criteria	19.15.29	NMAC (H	IGH KARS	T AREA)	
		Deve	on Energy - I	Parkway V	Vest SWD	1		
Sample Date 12	-31-20		N	IM Appro	ved Labora	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	able 1 C	losure Cr	riteria 19.1	5.29 NM	AC (Depth	to Ground	dwater is 51	-100')
		DEVON E	ENERGY - P.	ARKWAY	WEST UNI	T #1 SWD	i .	
Sample Date 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

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

NMOCD	Table 1	Closure C	Criteria 19.1	15.29 NM	AC (Depti	to Groun	ndwater is 51	L-100')	
		DEVON	ENERGY - F	PARKWAY	WEST UN	IT #1 SWI)		
Sample Date 2-9-21 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-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

NMOCD	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		
Sample Date	2-10-21	ved Labor	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

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.

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

Sample 10 CS-1 - CS-2 -	Depth (BGS)	BTEX mg/hg	Beacese	200	THE PERSON	CALL Y NO.	sults						
Sample ID CS-1	Depth (BGS)	mg/kg	Beacese	M Approx	red Labor	atory Re	sults						
CS-1	(BGS) 0 1'	mg/kg			Date 5/21/21 MM Approved Laboratory Results								
200	7	6.00	mg/kg	GRO mg/kg	DRO mg/kg	MRO mg/kg	Total TPH mg/kg	Cl mg/kg					
200	171	ND	ND	ND	ND	ND	ND	ND					
CS-2	0 1	ND	ND	ND	ND	ND	ND	ND					
	0	ND	ND	ND	ND	ND	ND	ND					
NO. ET	1	ND	- ND	ND	ND	ND	ND	5.68					
CS-3	0	ND	ND	ND	ND	ND	ND	ND					
(1025,772)	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					
1000	1	ND	ND	ND	ND	ND	ND	6.56					
CS-6	0	ND	ND	ND	ND	ND	ND	15.2					
10 CAT APP	1	ND	- ND	ND	ND	ND	ND	ND					
CS-7	0	ND	ND	ND	ND	ND	ND	ND					
100	1	ND	ND	ND	ND	ND	ND	ND					
CS-8	0	ND	ND	ND	ND	ND	ND	ND					
12.00 ART	1	ND	ND	ND	ND	ND	ND	ND					
CS-9	0	ND	ND	ND	ND	ND	ND	ND					
10000	1	ND	ND	ND	ND	ND	ND	ND					
CS-10	0	ND	ND	ND	ND	ND	ND	ND					
LACT YE	1	ND	ND	ND	ND	ND	ND	ND					
CS-11	0	ND	ND	ND	ND	ND	ND	ND					
77.0	1	ND	ND	ND	ND	ND	ND	ND					
CS-12	0	ND	0.0035	ND	ND	ND	ND	5.39					
-5. VW	1	ND	ND	ND	ND	ND	ND	6.73					
CS-13	0	ND	ND	ND	ND	ND	ND	ND					
15.72.71	1	ND	ND	ND	ND	ND	ND	ND					
CS-14	0	ND	ND	ND	ND	ND	ND	5.98					
7 - 7 - 9	1	ND	ND	ND	ND	ND	ND	173					
CS-15	0	ND	ND	ND	ND	ND	ND	10.4					
	0	ND	ND ND	ND	ND	ND	ND	5.21 ND					
CS-16	1		ND	ND ND	ND	ND ND	ND.						
	Ó	ND ND	ND	ND	ND ND	ND	ND ND	6.44 8.27					
CS-17	7	ND	ND	ND	ND	ND	ND	ND					
F-10-02/5	ů.	ND	ND	ND	ND	ND	ND	ND					
CS-18	T	ND	ND ND	ND	ND	ND	ND	ND					
	Ó	ND	ND	ND	ND	ND	ND	ND					
CS-19	7	ND	ND	ND	ND	ND	ND ND	ND					
	Ó	ND	ND	ND	ND	ND	ND	ND					
CS-20	7	ND	ND ND	ND	ND	ND	ND	ND					
Sec. 25	Ů.	ND	ND	ND	ND	ND	ND	18.4					
CS-21	7	ND	ND	ND	ND	ND	ND	ND					
200	Ů.	ND	ND	ND	ND	ND	ND	6.1					
CS-22	7	ND	ND ND	ND	ND	ND	ND	5.38					
Service -	Ů.	ND	ND	ND	ND	ND	ND	ND					
CS-23	7	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 and Geological Data

Appendix C - C-141 Form & 48-Hour Notification

Appendix D - Photographic Documentation

Appendix E - Laboratory Reports



Figures:

1-Location Map

2-Topographic Map

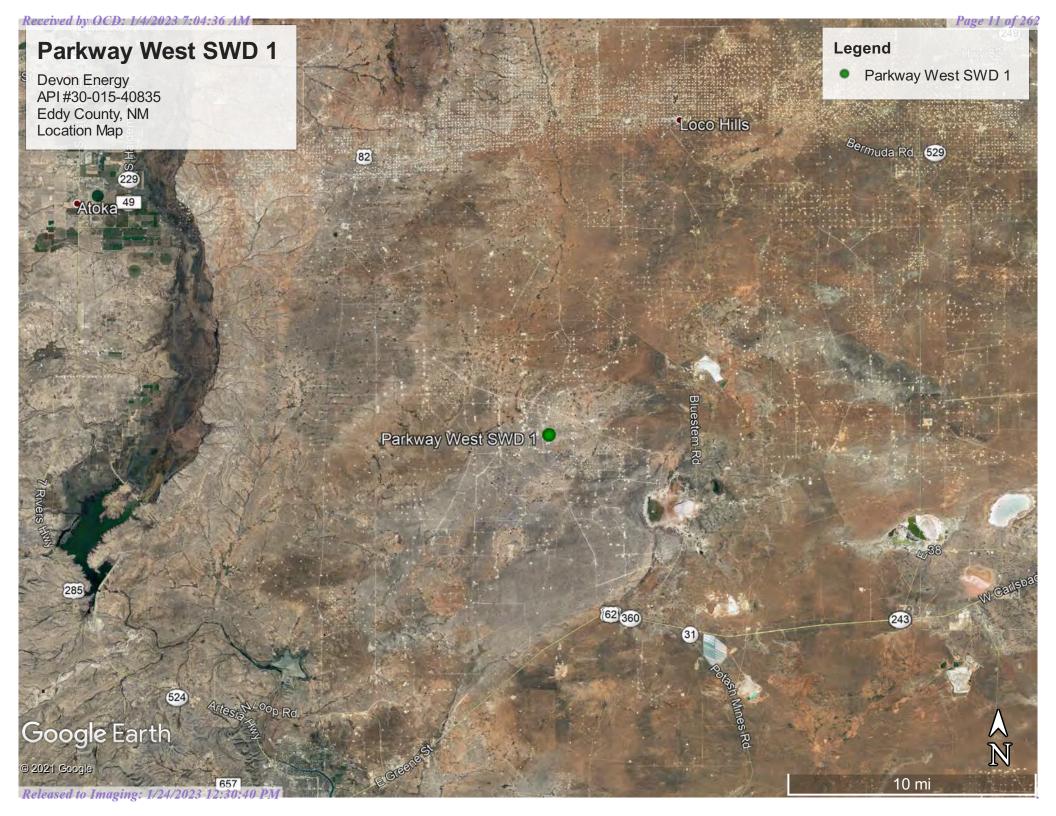
3-Karst Map

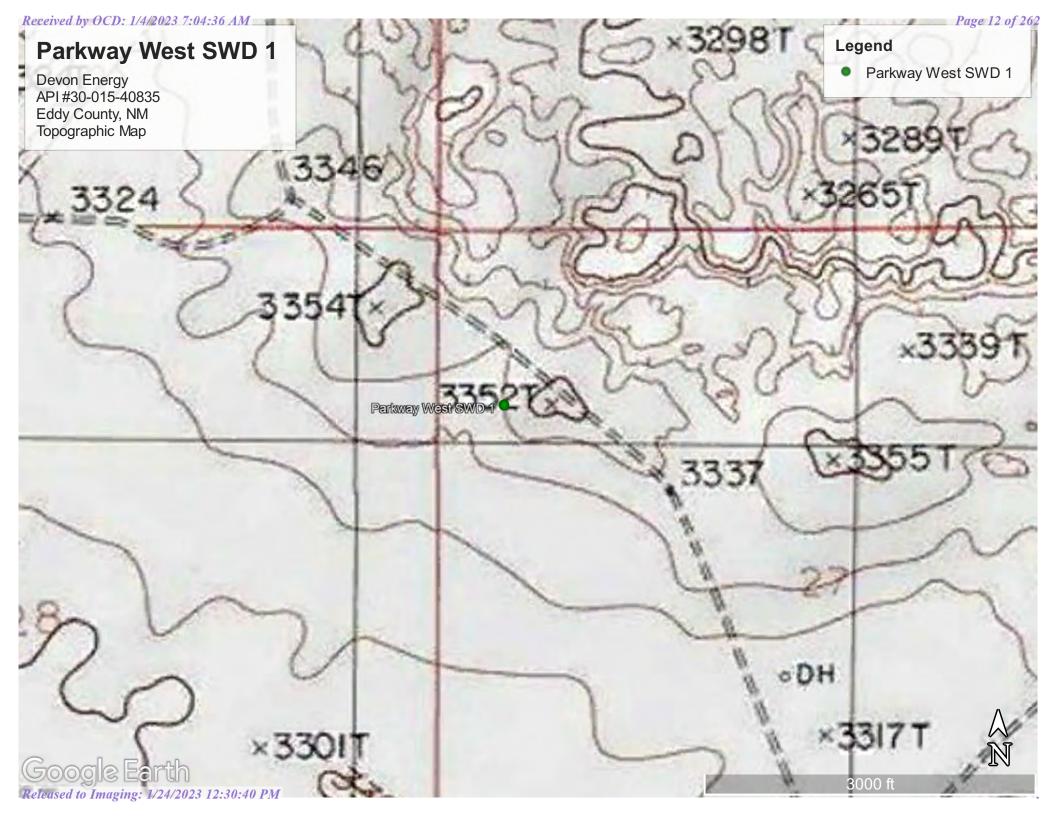
4-Site Map

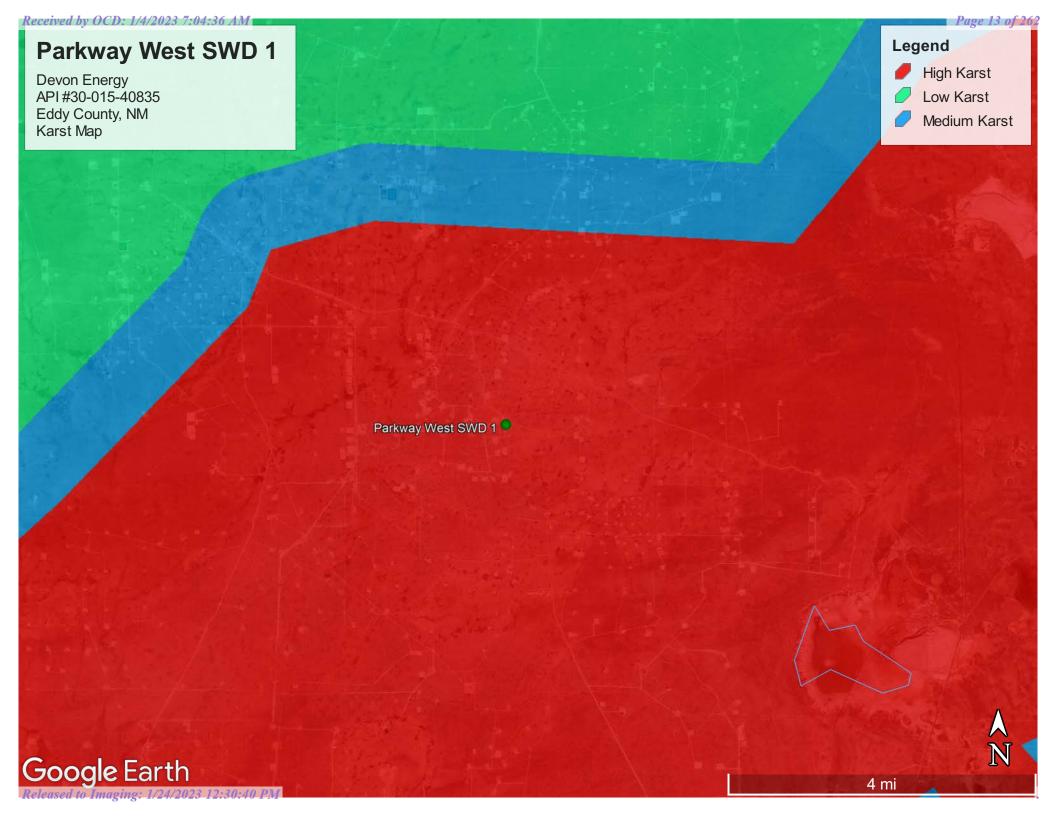
5-GeoProbe Map

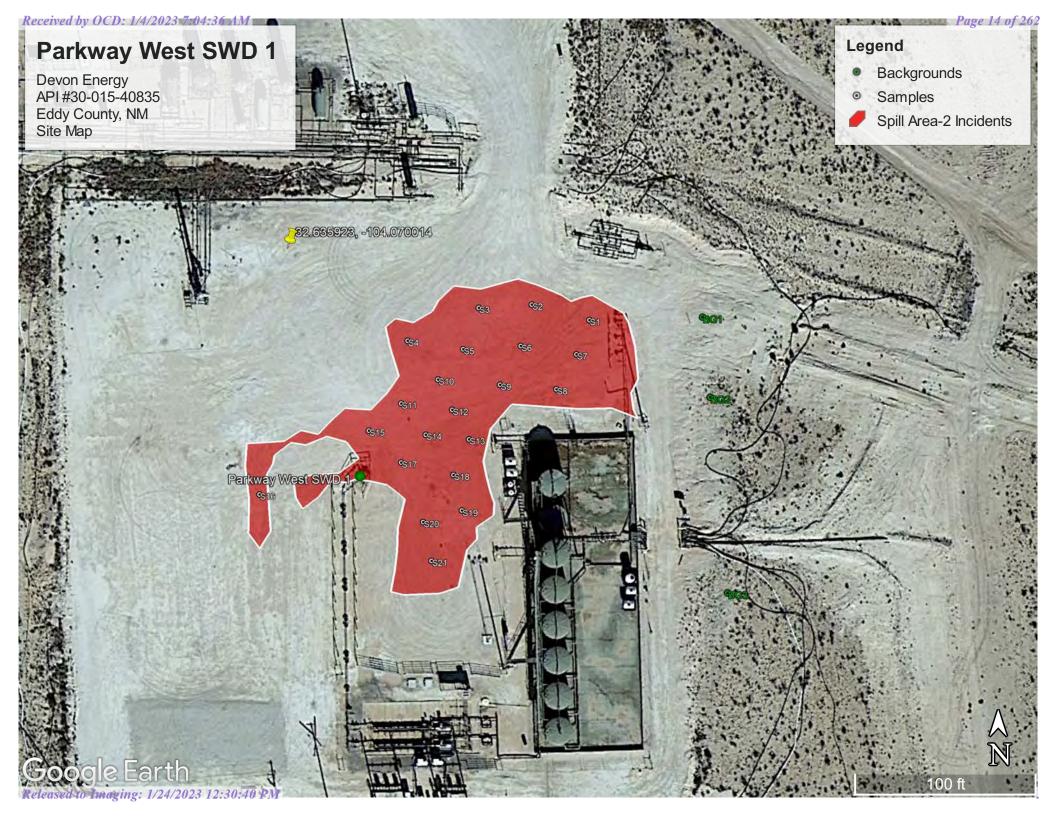
6-Excavation Map-Sidewalls

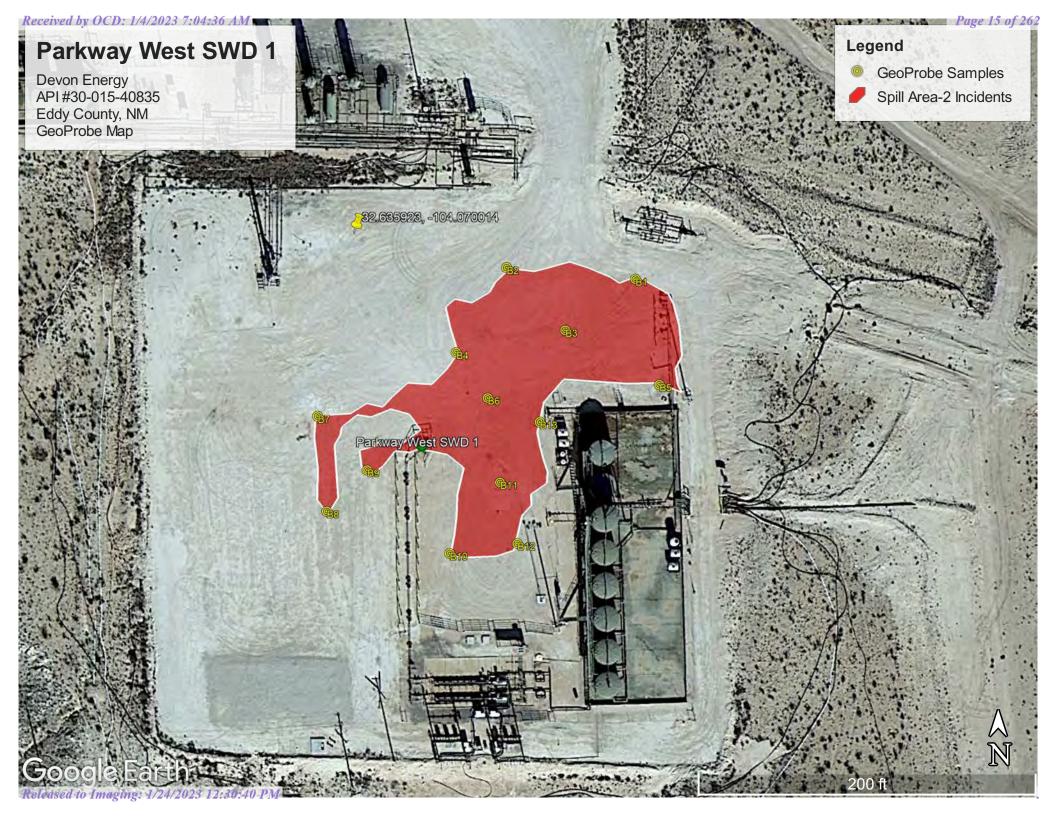
7-Confirmation Sample Map

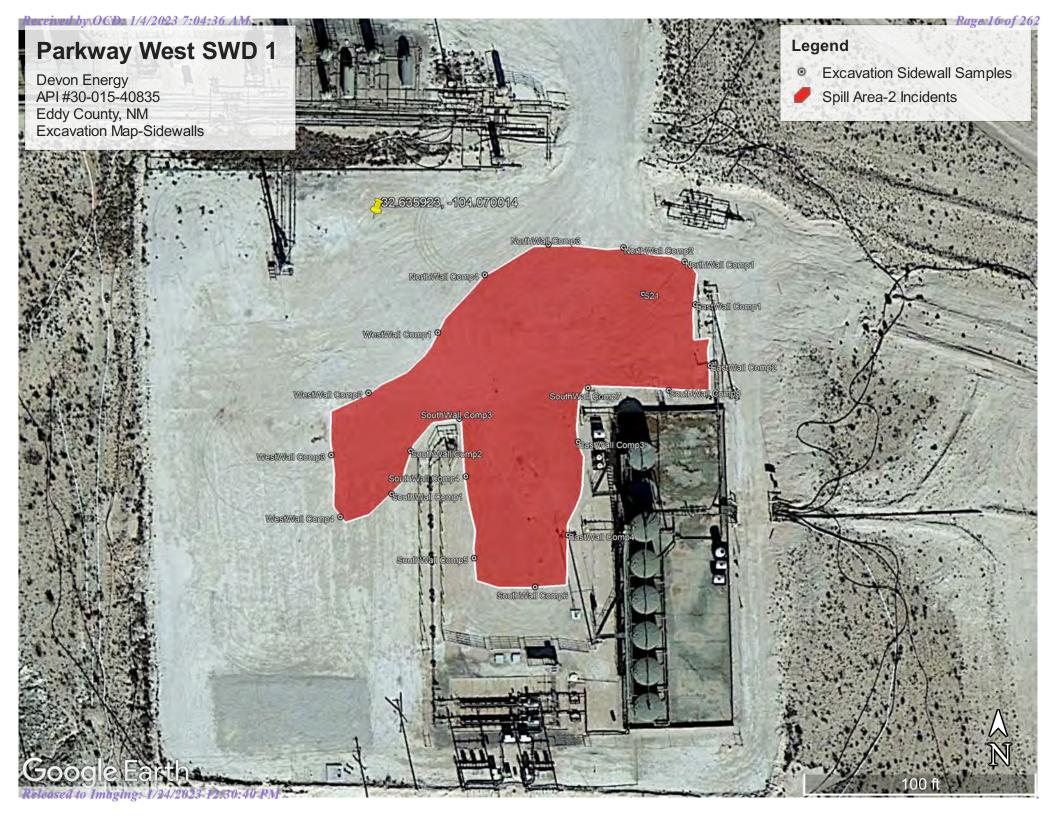


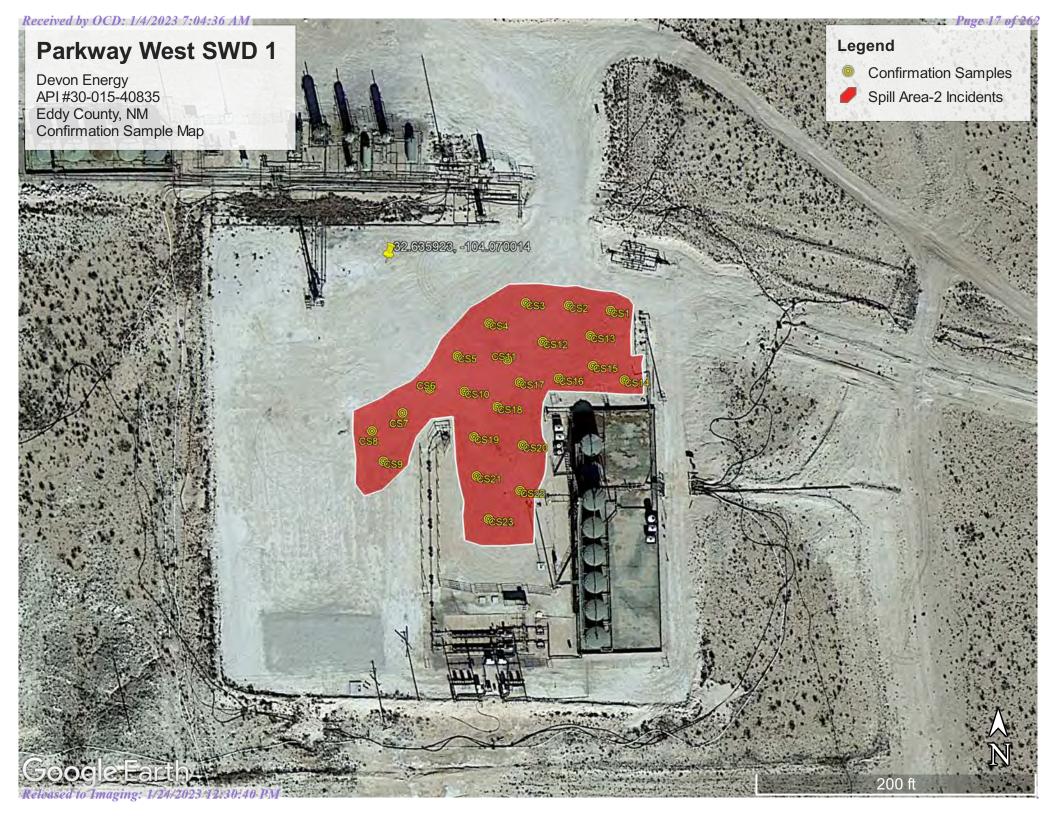














Appendix A

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	Vater
POD Number	Code	basin	County	64	16	4	Sec	Tws	Rng	X	Y	DistanceDep	thWellDep	thWater 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

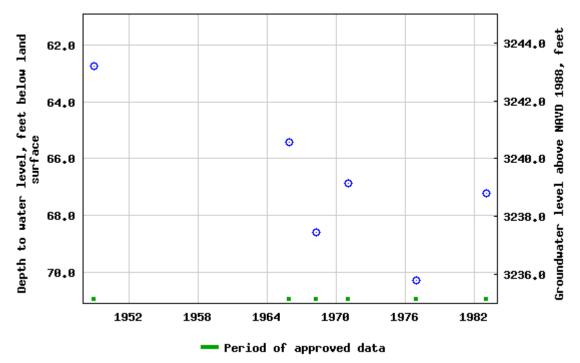
Available data for this site Groundwater: Field measurements

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
Automated retrievals
Help
Data Tips
Explanation of terms
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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)

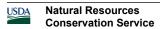
Sodium adsorption ratio, maximum: 1.0

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

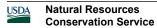
Gypsum, maximum content: 80 percent

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

National Flood Hazard Layer FIRMette



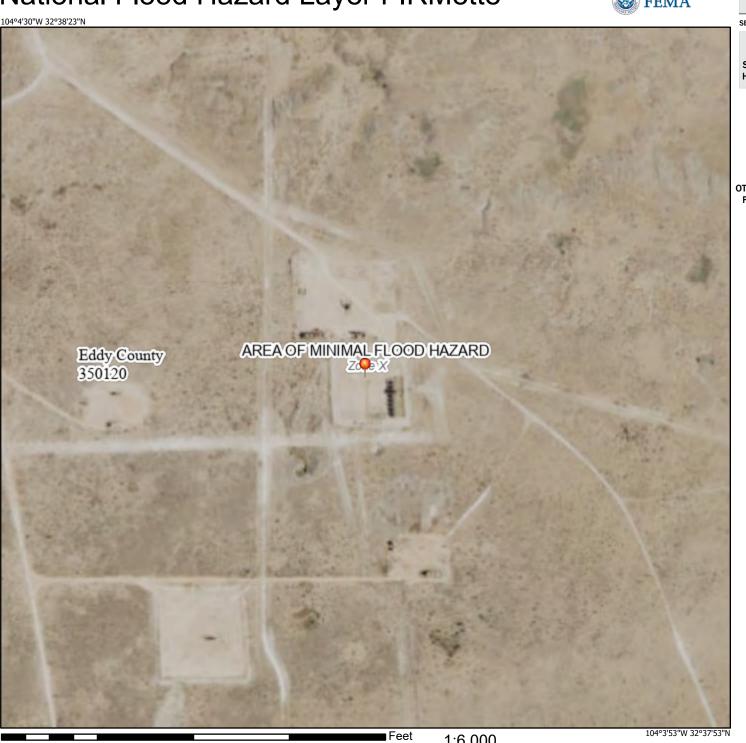


SEE FIS REPORT FOR DETAILED LEGEND AND INDEX MAP FOR FIRM PANEL LAYOUT Without Base Flood Elevation (BFE) With BFE or Depth Zone AE, AO, AH, VE, AR SPECIAL FLOOD HAZARD AREAS Regulatory Floodway 0.2% Annual Chance Flood Hazard, Areas of 1% annual chance flood with average depth less than one foot or 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 point selected by the user and does not represent an authoritative property location.

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

The flood hazard information is derived directly from the authoritative NFHL web services provided by FEMA. This map was exported on 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.

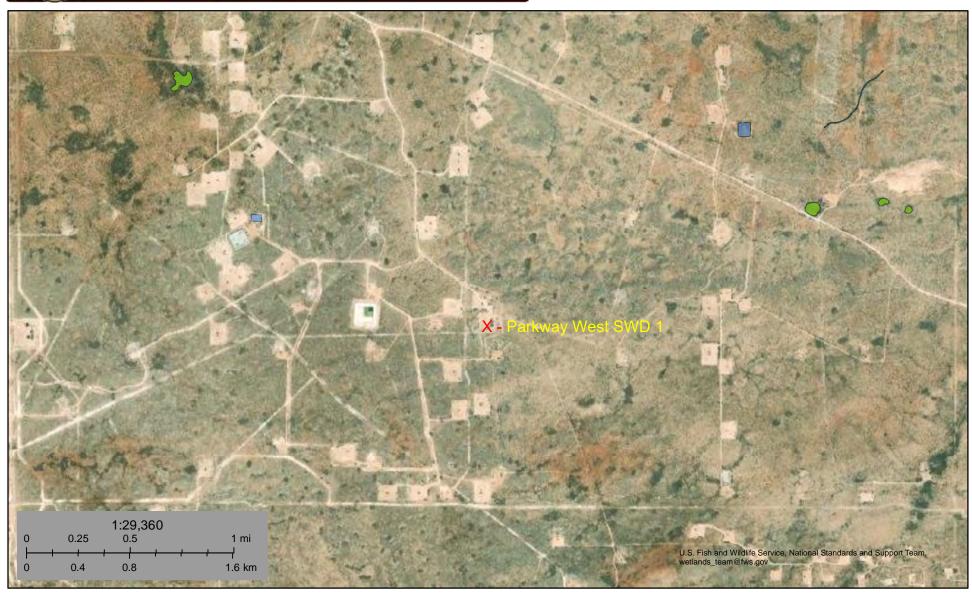
This map image is void if the one or more of the following map elements do not appear: basemap imagery, flood zone labels, legend, scale bar, map creation date, community identifiers, FIRM panel number, and FIRM effective date. Map images for unmapped and unmodernized areas cannot be used for regulatory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



2.000



Wetlands Map



December 16, 2022

Wetlands

Estuarine and Marine Deepwater

Estuarine and Marine Wetland

Freshwater Emergent Wetland

Freshwater Forested/Shrub Wetland

Freshwater Pond

Lake

Riverine

Other

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.

·			Rele	ease Notific	catio	n and Co	orrective A	ction		
NAB1822127797						OPERATOR Initial Report Final Report				
Name of Co	ompany De	evon Energy	Producti	on Company	137	Contact Aaron Kidd; Foreman Technical Services				
Address 64	88 Seven I	Rivers Hwy	Artesia, N				No. 575-748-33			
Facility Name Parkway West SWD 1					Facility Typ	e Salt Water Di	sposal			
Surface Owner State Mineral Owner S						State		API No	.30-015-40	0835
				LOCA	ATIO	N OF RE	LEASE			
						/South Line	Feet from the			
	- I		Latit	_		_	04.071270 W_1	NAD83		
(T) (T) 1		1.112		NA7	ΓURE	OF REL				
Type of Rele Source of Re							Release 73 BBL: Hour of Occurrence		Recovered 5 Hour of Dis	
Boulet of It		Line				1	@ 4:30 AM MST		8 @ 4:30 Al	
Was Immedi	iate Notice (Yes [] No ☐ Not R	equired	If YES, To Whom?				
By Whom?	Brett Fulks;	EHS Professi	onal			Date and Hour OCD and BLM 7/22/2018 @ 9:33 PM MST				
Was a Watercourse Reached? ☐ Yes ☒ No					If YES, Volume Impacting the Watercourse. N/A					
If a Waterco N/A	urse was Im	pacted, Descr	ribe Fully.	*		1				
		lem and Reme ne valve open		n Taken.* pproximately 73 l	barrels o	f produced w	ater.			
Describe Area Affected and Cleanup Action Taken.* Water released to location pad; immediately began recovering fluids. (PW: Spilled - 73 bbls., Rec 55 bbls., Lost - 18 bbls.)										
regulations a public health should their or the enviro	all operators n or the envi operations honment. In a	are required to ironment. The have failed to	to report a acceptan adequately DCD accep	nd/or file certain ce of a C-141 rep y investigate and	release r ort by th remedia	notifications a ne NMOCD m te contaminat	and perform correct parked as "Final Ricon that pose a thr	inderstand that pur ctive actions for rel deport" does not rel reat to ground wate responsibility for c	eases which ieve the ope r, surface w	n may endanger erator of liability ater, human health
							OIL CON	SERVATION	DIVISION	<u>N</u>
Signature: 7	amala J. Robi	ison								
Printed Name: Tamala J. Robison						Approved by Environmental Specialist: Maria Pruell				
Title: Field /	Admin Supp	oort				Approval Da	te: 8/1/18	Expiration	Date: N	<u>IA</u>
E-mail Addr	ess: Tamala	n.Robison@dv	n.com			Conditions of Approval:				
Date: 7/25/2018 Phone: 575-748-3371						Ble attached Allached Ro-4900				

* Attach Additional Sheets If Necessary

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

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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?	Yes No			
Are the lateral extents of the release within a 100-year floodplain?	☐ Yes ☒ No			
Did the release impact areas not on an exploration, development, production, or storage site?	☐ Yes 🛛 No			
Attach a comprehensive report (electronic submittals in .pdf format are preferred) demonstrating the lateral and vertical extents of soil contamination associated with the release have been determined. Refer to 19.15.29.11 NMAC for specifics.				
Characterization Report Checklist: Each of the following items must be included in the report. Scaled site map showing impacted area, surface features, subsurface features, delineation points, and monitoring wells. Field data				

Characterization Report Checklist: Each of the following items must be included in the report.
<u> </u>
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: 1/4/2023 7:04:36 AM State of New Mexico
Page 4 Oil Conservation Division

 Incident ID
 NAB1822127797

 Vision
 District RP
 2RP-4900

 Facility ID
 Facility ID

Application ID

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

Printed Name: Dale Woodall

Signature: Dale Woodall

Date: 1/4/2023

Email: dale.woodall@dvn.com

Telephone: 575-748-1838

Date: _______

Date: ______

Date: _______

Date: _______

State of New Mexico Incident ID NAS

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

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Closure

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

Closure Report Attachment Checklist: Each of the following is	items must be included in the closure report.					
A scaled site and sampling diagram as described in 19.15.29.11 NMAC						
Photographs of the remediated site prior to backfill or photos of the liner integrity if applicable (Note: appropriate OCD District office must be notified 2 days prior to liner inspection)						
■ Laboratory analyses of final sampling (Note: appropriate ODC District office must be notified 2 days prior to final sampling)						
□ Description of remediation activities						
and regulations all operators are required to report and/or file certain may endanger public health or the environment. The acceptance of should their operations have failed to adequately investigate and replacement human health or the environment. In addition, OCD acceptance of	ations. The responsible party acknowledges they must substantially onditions that existed prior to the release or their final land use in					
OCD Only						
Received by: OCD	Date:01/04/2023					
Closure approval by the OCD does not relieve the responsible party of liability should their operations have failed to adequately investigate and remediate contamination that poses a threat to groundwater, surface water, human health, or the environment nor does not relieve the responsible party of compliance with any other federal, state, or local laws and/or regulations.						
Closure Approved by: Ashley Maxwell	Date:					
Printed Name: Ashley Maxwell	Title: _ Environmental Specialist					

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

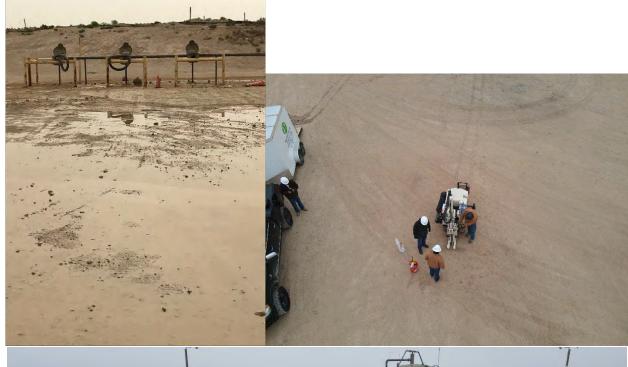
?

Pima Environmental Services, LLC

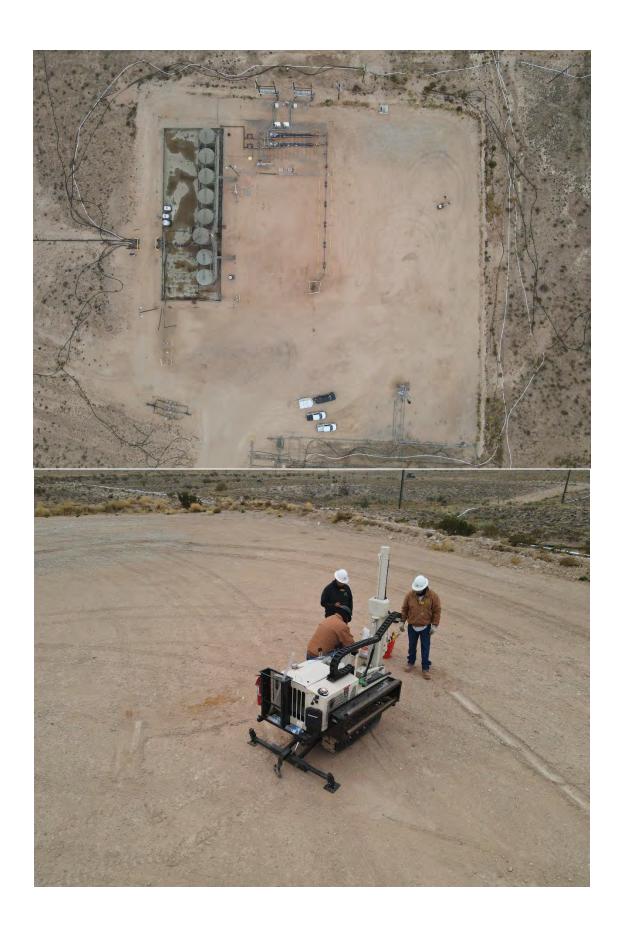


Appendix D

Photographic Documentation









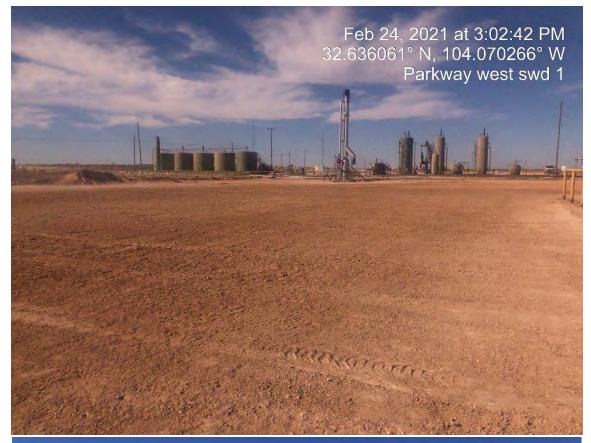


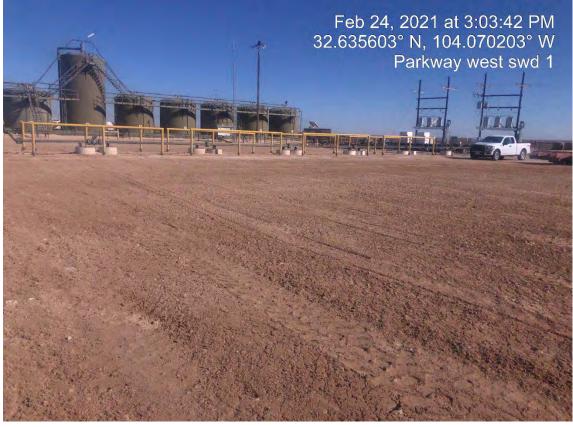


























Appendix E

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)

Celey D. Keine

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

PARKWAY WEST SWD

Project Name: PAR
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 - 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		Analyzed 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						

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

Cardinal Laboratories *=Accredited Analyte

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 client for analyses. All claims, including those for negligence and any other cause whistoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

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: MC

Project Location: DEVON - 32.635774-104.069381

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

RTFY 8021R

BIEX 8021B	mg,	/ kg	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	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	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	% 44.3-14	4						
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 - 3 - 0" - 6" (H002542-03)

BTEX 8021B	mg/kg		Analyze	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	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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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 - 1' (H002542-04)

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	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	d 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	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	124	% 44.3-14	4						
Surrogate: 1-Chlorooctadecane	125	% 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 - 3 - 2' (H002542-05)

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	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	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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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 - 3 - 3' (H002542-06)

RTFY 8021R

BIEX 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	105	% 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	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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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		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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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: Project Number: 49 Tamara Oldaker

Project Location: DEVON - 32.635774-104.069381

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

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	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	d 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	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	130	% 44.3-14	4						
Surrogate: 1-Chlorooctadecane	128	% 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 - 5 - 0" - 6" (H002542-09)

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, SM4500Cl-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 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 - 6 - 0" - 6" (H002542-10)

RTFY 8021R

BIEX 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	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

Analyzed By: MC

Project Location: DEVON - 32.635774-104.069381

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

RTFY 8021R

BIEX 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	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	1540	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	118	% 44.3-14	4						
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
Project Number: 49 Sample Received By: Tamara Oldaker

Applyzod By: MC

Project Location: DEVON - 32.635774-104.069381

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

RTFY 8021R

BIEX 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	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	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*	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	% 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 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 - 9 - 0" - 6" (H002542-13)

RTFY 8021R

BIEX 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	105	% 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	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	% 44.3-14	4						
Surrogate: 1-Chlorooctadecane	128	% 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 - 10 - 0" - 6" (H002542-14)

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	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	10600	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	09/25/2020	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	% 44.3-14	14						
Surrogate: 1-Chlorooctadecane	131	% 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 - 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	6 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	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 %	% 44.3-14	4						
Surrogate: 1-Chlorooctadecane	129 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 Sample Received By: Project Number: 49 Tamara Oldaker

Project Location: DEVON - 32.635774-104.069381

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

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, SM4500Cl-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	107 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

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 - 0" - 6" (H002542-17)

BIEX 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	101	% 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	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						

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: 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 - 13 - 1' (H002542-18)

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*	0.110	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 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	19200	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*	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 9	% 44.3-14	4						
Surrogate: 1-Chlorooctadecane	132 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

Applyzod By: MC

Project Location: DEVON - 32.635774-104.069381

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

RTFY 8021R

BIEX 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*	0.075	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	% 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	17000	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*	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	% 44.3-14	4						
Surrogate: 1-Chlorooctadecane	130	% 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

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 - 15 - 0" - 6" (H002542-20)

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	120	% 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	11000	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*	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	% 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: Cool & Intact Sample Received By: Tamara Oldaker

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 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	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 5	% 44.3-14	4						
Surrogate: 1-Chlorooctadecane	119 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 - 15 - 2' (H002542-22)

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	118	% 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	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	% 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

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 - 16 - 0" - 6" (H002542-23)

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 %	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	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 %	6 44.3-14	4						
Surrogate: 1-Chlorooctadecane	122 %	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: Coo

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 - 17 - 0" - 6" (H002542-24)

RTFY 8021R

Result	Danish a Limit							
	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
<0.050	0.050	09/25/2020	ND	1.90	95.0	2.00	2.46	
<0.050	0.050	09/25/2020	ND	1.95	97.6	2.00	2.11	
<0.050	0.050	09/25/2020	ND	1.93	96.3	2.00	2.29	
<0.150	0.150	09/25/2020	ND	6.09	102	6.00	1.73	
<0.300	0.300	09/25/2020	ND					
117 9	% 73.3-12	9						
mg/	'kg	Analyze	d By: GM					
Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
9860	16.0	09/28/2020	ND	416	104	400	0.00	
mg/	/kg	Analyze	d By: MS					
Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
<10.0	10.0	09/28/2020	ND	200	100	200	1.77	
<10.0	10.0	09/28/2020	ND	203	102	200	1.61	
<10.0	10.0	09/28/2020	ND					
121 9	% 44.3-14	4						
133 9	% 42.2-15	6						
	<0.050 <0.050 <0.050 <0.150 <0.300 117 9 mg/ Result 9860 mg/ Result <10.0 <10.0 <10.0	<0.050 0.050 <0.050 0.050 <0.150 0.150 <0.300 0.300 117 % 73.3-12 mg/kg Result Reporting Limit 9860 16.0 mg/kg Result Reporting Limit <10.0 10.0 <10.0 10.0 <10.0 10.0	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050

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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: me

Project Location: DEVON - 32.635774-104.069381

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

RTFY 8021R

Reporting Limit 0.050 0.050 0.050 0.150 0.300	Analyzed 09/25/2020 09/25/2020 09/25/2020 09/25/2020	Method Blank ND ND ND	BS 1.90 1.95	% Recovery 95.0 97.6	True Value QC 2.00 2.00	RPD 2.46	Qualifier
0.050 0.050 0.150	09/25/2020 09/25/2020	ND					
0.050 0.150	09/25/2020		1.95	97.6	2.00	2 11	
0.150		ND			2.00	2.11	
	00/25/2020		1.93	96.3	2.00	2.29	
0.300	03/23/2020	ND	6.09	102	6.00	1.73	
2.200	09/25/2020	ND					
% 73.3-12	9						
'kg	Analyze	d By: GM					
Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
16.0	09/28/2020	ND	416	104	400	0.00	
'kg	Analyze	d By: MS					
Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
10.0	09/28/2020	ND	200	100	200	1.77	
10.0	09/28/2020	ND	203	102	200	1.61	
10.0	09/28/2020	ND					
% 44.3-14	4						
0/ 12.2.15	6						
•	Reporting Limit 10.0 10.0 10.0 44.3-14	Reporting Limit Analyzed 10.0 09/28/2020 10.0 09/28/2020 10.0 09/28/2020 44.3-144	Reporting Limit Analyzed Method Blank 10.0 09/28/2020 ND 10.0 09/28/2020 ND 10.0 09/28/2020 ND 44.3-144	Reporting Limit Analyzed Method Blank BS 10.0 09/28/2020 ND 200 10.0 09/28/2020 ND 203 10.0 09/28/2020 ND 44.3-144	Reporting Limit Analyzed Method Blank BS % Recovery 10.0 09/28/2020 ND 200 100 10.0 09/28/2020 ND 203 102 10.0 09/28/2020 ND VIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIII	Reporting Limit Analyzed Method Blank BS % Recovery True Value QC 10.0 09/28/2020 ND 200 100 200 10.0 09/28/2020 ND 203 102 200 10.0 09/28/2020 ND 44.3-144	Reporting Limit Analyzed Method Blank BS % Recovery True Value QC RPD 10.0 09/28/2020 ND 200 100 200 1.77 10.0 09/28/2020 ND 203 102 200 1.61 10.0 09/28/2020 ND 44.3-144 44.3-144 44.3-144

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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 - 18 - 1' (H002542-26)

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	119	% 73.3-12	9						
Chloride, SM4500Cl-B	mg	mg/kg		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	% 42.2-15	6						

Analyzed By: me

Cardinal Laboratories *=Accredited Analyte

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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 - 18 - 2' (H002542-27)

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	118	% 73.3-12	9						
Chloride, SM4500CI-B	mg,	mg/kg		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 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 - 18 - 3' (H002542-28)

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, SM4500CI-B	mg,	mg/kg		d 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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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 - 19 - 0" - 6" (H002542-29)

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	115	% 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	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	% 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 - 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	mg/kg		d By: AC					
Analyte	Result			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

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: 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 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	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	% 44.3-14	4						
Surrogate: 1-Chlorooctadecane	127	% 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

mg/kg

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: BG - 2 (H002542-33)

BTEX 8021B

DILX OUZID	ıııg,	, kg	Andryzo	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*	0.063	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	% 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	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	115	% 44.3-14	4						
Surrogate: 1-Chlorooctadecane	125	% 42.2-15	6						

Analyzed By: ms

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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 - 3 (H002542-34)

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	119 %	6 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 %	6 44.3-14	4						
Surrogate: 1-Chlorooctadecane	130 %	6 42.2-15	6						

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Sample Received By:

09/15/2020

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 Sampling Condition: Cool & Intact

Project Number: 49

Project Location: DEVON - 32.635774-104.069381

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

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 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	256	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	113 9	% 44.3-14	4						
Surrogate: 1-Chlorooctadecane	123 9	% 42.2-15	6						

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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

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7:04:36

Received by OCD: 1/4/2023

Page 38 of 41

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

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

Company Name	Tima Environmental									BI	L	L TO							A	NA	LYS	SIS	RE	QL	JES	Т			
Project Manager	Chris Jones							P.O.	#:			905	19		T							T		1					
Address: //	N. Turner						- 1			-		evon																	
City: //o/o/o	State: NM	Zip): ·	88	324	16						Bynu										-							
Phone #: 57	5-631-6977 Fax#:							Add				- 91.00																	
Project#: 40	7 Project Owner		0	21/0	2			City:																					
	Parkway West SWD							State	e:		Z	ip:																	
Project Location	1: 32.635 774, -104	.6	69	39	71			Pho	ne #	# :																			
	Robert Green							Fax	#:					1	5		-	S.											
FOR LAB USE ONLY	100000		Г		M	ATRI)	(P	RES	SERV.	T	SAMP	LING	1	N		1	0											
Lab I.D. #002542 1	Sample I.D.	(G)RAB OR (C)OMP	# CONTAINERS	GROUNDWATER	WASTEWATER	SOIL	SLUDGE	OTHER:	ACID/BASE:	OTHER:		DATE	TIME	101	1111	BTE	1	CNO											
1	5-1-0"-6"	8				X					19	19/20			X	X	à	4				-		-	_		-	-	_
2	5-2-0"-6"	1	L			1			1	1	L	1	9:05	1	1	1					-	+		1	4		-	-	-
3	5-3-0"-6"	П						-		4	L	-	9:10	Н	1			-	-		-	+		+	+		-	+	+
4	5-3-1'	Н	L	-	Н			-	+	+	ŀ		9:15	Н	-	+		H	-		-	+		+	+		-	+	+
5	5-3-21		-	-				\perp	+	+	ŀ		9.20	Н	Н	-	-	H			-	+		+	+	_	-	+	+
6	5-3-3'	L		-				-	1	4	H	-	9:35	Н	+	+		+	-		+	+	_	+	+		-	+	+
7	5-4-04-611	H	-	-	Н			6	4	+	H	1	9:30	Н		+		Н	-		+	+		+	+		-	1	+
8	5-4-1'		-			1	1	11		+	1	1	9:35	H	-	1					1	+		+	+		-	+	
9	5-6-0"-6"	11	1	-	H	1		1			H	1	9:40			1						1			1			1	
PLEASE NOTE: Lishlify an	d Damages. Cardinal's liability and client's exclusive remedy for a	ny cla	im aris	ing wh	ether ba	sed in co	intract	or tort, s	shall be	e limited	to ti	he amount paid	by the client for	the	-			_				_		-					

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 analyses. All claims including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within 30 days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequental damages, including without limitables interruptions, loss of use, or loss of profile incidental control of the phone stated passons or otherwise.

Relinquished By:	Date:	Received By:	Make	Verbal Result: All Results are email	Yes ☐ No ed. Please pro	Add'l Phone #: wide Email address:
Relinquished By:	Date:	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

Page 39 of 41

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

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

Company Name	e: Pima Environental	Tromentel						BI	LL	L TO						AN	ALY	SIS	RE	QUI	EST				
i roject manage	Chris Jones							P.0	0. #:		_	9651	9	T			Т		T	T			T		T
Address: /6	ol N. Turner										\sim	evon		1,											
City: /4 665	State: NA	/ Zip	o: §	38-	של							Byno		12											
Phone #: 57	5-631-6977 Fax#:			00	210			-	dres		-	isy ni	m	10											
Project #:	H9 Project Own	er:	0	nu				Cit						1											
Project Name:	Parkway West SW n: 32.635 774, -104.0	N	,	00				Sta			Zir	n.		10											1
Project Location	n: 37. 635 774 - 101 6	69	3	C1					one:		21	μ.		R											
Sampler Name:	Robert Cope	101		0				Fax		#				Rul											T
FOR LAB USE ONLY	Diver Carpe	Т	П		M	ATRI	X	_	_	SERV.		SAMPL	LING	FY		1	V								
Lab I.D. HD025'42		(G)RAB OR (C)OM	# CONTAINERS	GROUNDWATER	WASTEWATER	OIL	SLUDGE	OTHER:	ACID/BASE:	OTHER:		DATE	TIME	+0 to	RTF	N / P	CHION								
11	5-7-0"-64	G			>	4					9	15/20	9:50	X	X	X	-								T
12	5-8-04-64	1			1							1	9:55		1	1									T
13	5-9-0"-6"	11											16:00												
14	5-10-04-64	\parallel	Ш										10:05												
15	5-11-04-64	11	Ш		1	1							10:10												Г
16	5-12-04-6"	11	Ш										16:15												
17	5-13-04-64	11											10,00												
18	5-13-1'	111	Ш	1									10:25												
17	5-14-04-64							1					10:30												
20	5-15-01-64 Damanes Carrina's liability and client's exclusive remode for	1			- 1							7	10:39	1	1	1 7									

analyses. All claims including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within 30 days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequent damages, including without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of exprisors between the control of the performance of the performance of exprisors between the control of the performance of

Relinquished By:	Date: 9/10/10 Recei	ived By: Authoria Allaha Ved By:	Verbal Result: Yes No Add'l Phone #:
Delivered By: (Circle One) Sampler - UPS - Bus - Other:	Time: Observed Temp. °C -2.7 Corrected Temp. °C		

Page 40 of

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

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

Time:

Corrected Temp. °C

Delivered By: (Circle One)

Sampler - UPS - Bus - Other:

Company Name	Pima Environma	extel							В	ILL TO					A	NALY	/SIS	REQ	UEST			_
roject manage	Chris Jones							P.O.	#: 2	8 969	-19	T				1	1	1120			Т	T
Address: 160	ol N. Turner									Devo		1					- 1					
City: /4/hh	S State: N	M Zi	0-	48	-	in		Attn	to.	Devo	71	1										
Phone #: < 2	5-631-6977 Fax#:	, (2.1		0 0	0	90				n By	num	1										
Project #: 4	10 6/77 FAX#.		0				-	Addr	ess:			1										
rioject#: 7	Project Ow	/ner:	1	ev	M			City:														1
Project Name:	Tank way West	SWL	0					State):	Zip:												
Project Location	Park way West 32635 774, -10	4.0	60	135	1			Phor	ne #:													
Sampler Name:	Robert Cape							Fax #	<u>+</u> .													
FOR LAB USE ONLY			Т		MA	TRIX	_		RESERV.	SAN	IPLING	1								1		
Lab I.D. 4002542	Sample I.D.	(G)RAB OR (C)OMP	# CONTAINERS	GROUNDWATER	SOIL	OIL	SLUDGE	ACID/BASE:	ICE / COOL OTHER:	DATE	TIME	TPH BY	Brex	Chloride								
21	5-15-1' 5-15-21 5-16-016"	6			1				+		10:40	-	d	K	_	+	-	+	+	+		\vdash
22 23 24 25 24 25 24 27 28 29	5-15-21	10			1		7	1	4	1/13/	10:45	1	1		-	+	-	-	+	-	-	-
23	5-16-01611							+			10:50	-H		+	-	-	-	-	-			
24	5-17-04-6+1	11					+	+			10:55	\mathbb{H}	-1	-H	-	+	-	-		-		
25	5-18-04-64	1)			1	Н	+					H	-1	+	-	-		-	-			L
26	5-18-11	11	Н	-	-		+	+	-	-	11:00	+		-11	_	_	-					
77	5-18-21	- 11	Н	-	-	Н	+	+		-	11:05			-11	_							
2.8	5-18-31	-H		-	+	Н	+	1	1	-	11:10		\perp									
79	8-19-04-611	+	-	-		Н	+	+		-	11:20	11										
30	5-30-011-611	-H		-	-		4	-		-	11:25											
EASE NOTE: Liability and lyses, All claims including	Damages, Cardinal's liability and client's exclusive remedy for those for negligence and any other cause whatevever shall	or any claim be deemed	arising waive	whether d unless	based made in	in contr writing	act or t	ort, shall ceived b	be limited to y Cardinal wit	the amount pai thin 30 days after	//:30 d by the client for the r completion of the	he applicable	1	7								
	out of or related to the performance of services hereunder b	by Cardinal.	regard	less of w	hether							es,										
I L	Date: 478/	20 Red	eiv	ed By		24		1	111	1/0	Verbal Res All Results		Yes ailed.	☐ N Please	Ado	d'I Pho Email a	ne #: ddress	:				
elinquished By:	Date:	-	1	lle	la	ra	4	ul	age	X												

Yes Yes
No No † Cardinal cannot accept verbal changes. Please email changes to celey.keene@cardinallabsnm.com

CHECKED BY:

(Initials)

Sample Condition

Yes Yes

Cool Intact

REMARKS:

Turnaround Time:

Thermometer ID #113

Standard

Rush

Bacteria (only) Sample Condition

Observed Temp. °C

Corrected Temp. °C

Cool Intact

Page 41 of

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

101 East Marland, Hobbs, NM 88240

Time:

Corrected Temp. °C

Observed Temp. °C -2.

Delivered By: (Circle One)

Sampler - UPS - Bus - Other:

(575) 393-2326 FAX (575) 393-2476					
Company Name: Pine Environmental		BILL TO		ANALYSIS REQUES	T
Project Manager: Chris Jones		P.O.#: 20890519			
Address: 160) N. Turner		Company: Devon			
City: Hebbs State: NMZip	0: 88240	Attn: Pom Bynun			
Phone #: 575-631-6977 Fax #:		Address:			
Project #: 49 Project Owner:	Devon	City:			
Project Name: Parkway West Sw	2	State: Zip:			
Project Location: 32, 635 774, -104-06	9381	Phone #:			
Sampler Name: Robert Carper	1301	Fax #:	1 0		
FOR LAB USE ONLY	MATRIX	PRESERV. SAMPLING	- X X		
Lab I.D. Sample I.D. #002842 31 5-21 - 0''-6" 32 86-1 33 66-3 34 66-3 35 S-5 ~ 1' G	# CONTAINERS GROUNDWATER WASTEWATER X SOIL OIL SLUDGE	ACID/BASE: ACID/B	35 x ~ 2 40 45		
Port 6. Time: 8:82	d waived unless made in writing and it t fimitation, business interruptions, low	received by Cardinal within 30 days after completion ass of use, or loss of profits incurred by client, its sub- is based upon any of the above stated reasons or othe	of the applicable addance, erwise. Result: Yes No Noults are emailed. Please pro	Add'l Phone #: vide Email address:	

CHECKED BY:

(Initials)

Sample Condition

☐ Yes ☐ Yes ☐ No ☐ No

Cool Intact

REMARKS:

Turnaround Time:

Thermometer ID #113

Correction Factor None

Standard

Bacteria (only) Sample Condition

Nc □ No Corrected Temp. °C

Observed Temp. °C

Cool Intact

☐Yes ☐ Yes

[†] 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 accredited 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

Reported:

01-Dec-20 16:46



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

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:

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

Cardinal Laboratories *=Accredited Analyte

Soil

Soil

H003117-26

H003117-27

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23-Nov-20 10:10

23-Nov-20 10:15

Celey D. Keine

B-9-2'

B-9-BOTTOM

Celey D. Keene, Lab Director/Quality Manager

24-Nov-20 14:10

24-Nov-20 14:10



Analytical Results For:

OBBS NM, 88240	Project Number: Project Manager: Fax To:		Reported: 01-Dec-20 16:46
- 10 - 1' H003117-28	Soil	23-Nov-20 10:20	24-Nov-20 14:10
- 10 - 2' H003117-29	Soil	23-Nov-20 10:25	24-Nov-20 14:10
- 10 - BOTTOM H003117-30	Soil	23-Nov-20 10:30	24-Nov-20 14:10
- 11 - 1' H003117-31	Soil	23-Nov-20 10:35	24-Nov-20 14:10
- 11 - 2' H003117-32	Soil	23-Nov-20 10:40	24-Nov-20 14:10
- 11 - BOTTOM H003117-33	Soil	23-Nov-20 10:45	24-Nov-20 14:10
- 12 - 1' H003117-34	Soil	23-Nov-20 10:50	24-Nov-20 14:10
- 12 - 2' H003117-35	Soil	23-Nov-20 10:55	24-Nov-20 14:10
- 12 - BOTTOM H003117-36	Soil	23-Nov-20 11:00	24-Nov-20 14:10
- 13 - 1' H003117-37	Soil	23-Nov-20 11:05	24-Nov-20 14:10
- 13 - 2' H003117-38	Soil	23-Nov-20 11:10	24-Nov-20 14:10
- 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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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-1-1' H003117-01 (Soil)

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

Cardinal Laboratories *=Accredited Analyte

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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

B-1-2'

H003117-02 (Soil)

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

Cardinal Laboratories *=Accredited Analyte

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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-1-BOTTOM

H003117-03 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
			Cardina	al Laborat	ories					

Inorganic Compounds

16.0 0112512 GM 30-Nov-20 4500-Cl-B Chloride 64.0 mg/kg

Cardinal Laboratories *=Accredited Analyte

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Celey D. Keene



1860

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

Analytical Results For:

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

Inorganic Compounds

Chloride

Project: PARKWAY WEST SWD #1

0112512

GM

30-Nov-20

Project Number: 49

Project Manager: CHRIS JONES

Fax To:

Reported: 01-Dec-20 16:46

4500-Cl-B

B-2-1' H003117-04 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
			Cardina	al Laborat	tories					

mg/kg

16.0

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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-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						

Cardinal Laboratories *=Accredited Analyte

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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

B-2-BOTTOM

H003117-06 (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 160 mg/kg

Cardinal Laboratories *=Accredited Analyte

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Celey D. Keine



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

Fax To:

Reported: 01-Dec-20 16:46

Project Manager: CHRIS JONES

B-3-2'

H003117-08 (Soil)

Analyte	Result	MDL	Limit Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
Cardinal Laboratories										
Inorganic Compounds										
Chloride	1010		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

Chloride

Project: PARKWAY WEST SWD #1

0113011

GM

30-Nov-20

Project Number: 49 Project Manager: CHRIS JONES

Fax To:

Reported: 01-Dec-20 16:46

4500-Cl-B

B-3-BOTTOM

H003117-09 (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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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-4-1'

H003117-10 (Soil)

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

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Reported:



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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

01-Dec-20 16:46 Project Manager: CHRIS JONES

Fax To:

B-4-2'

H003117-11 (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

Reported: 01-Dec-20 16:46

Project Number: 49

Project Manager: CHRIS JONES

Fax To:

B-4- BOTTOM

H003117-12 (Soil)

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

Cardinal Laboratories

Inorganic Compounds

Chloride 320 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-5-1'

H003117-13 (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

Reported: 01-Dec-20 16:46

Project Number: 49

Project Manager: CHRIS JONES

Fax To:

B-5-2'

H003117-14 (Soil)

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

Project Number: 49

Project Manager: CHRIS JONES

Fax To:

Reported: 01-Dec-20 16:46

B-5- BOTTOM

H003117-15 (Soil)

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

 Inorganic Compounds

 Chloride
 96.0
 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

Project Number: 49

Project Manager: CHRIS JONES

Fax To:

Reported: 01-Dec-20 16:46

B-6-1'

H003117-16 (Soil)

	Analyte	Result	MDL	Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
	Cardinal Laboratories										
Ir	Inorganic Compounds										
C	hloride	3920		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

i ax io.

B-6-2'

H003117-17 (Soil)

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

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
			Cardina	ıl Laborat	ories					
Inorganic Compounds										
Chloride	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

Fax To:

Reported: 01-Dec-20 16:46

B - 7 - 2'

H003117-20 (Soil)

	Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
				Cardina	l Laborat	ories					
]	Inorganic Compounds										
(Chloride	416		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-7-BOTTOM

H003117-21 (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 640 mg/kg

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192

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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

Reported: 01-Dec-20 16:46

4500-Cl-B

Fax To:

B - 8 - 1'

H003117-22 (Soil)

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

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 - 8 - 2'

H003117-23 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
			Cardin	al Laborat	ories					
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

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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-9-1'

H003117-25 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
			Cardina	al Laborat	tories					
Inorganic Compounds										
Chloride	96.0		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

Project Number: 49

Project Manager: CHRIS JONES

Fax To:

Reported: 01-Dec-20 16:46

B-9-2'

H003117-26 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
			Cardina	ıl Laborat	ories					
Inorganic Compounds										
Chloride	192		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-9-BOTTOM

H003117-27 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
			Cardina	ıl Laborat	ories					
Inorganic Compounds										
Chloride	352		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-10-1'

H003117-28 (Soil)

Analyte	Result		oorting imit U	nits Dilutio	n Batch	Analyst	Analyzed	Method	Notes
			Cardinal La	boratories					
Inorganic Compounds									
Chloride	656	1	6.0 mg	g/kg 4	0113012	GM	30-Nov-20	4500-Cl-B	

Cardinal Laboratories *=Accredited Analyte

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368

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

Project Number: 49

0113012

GM

30-Nov-20

Project Manager: CHRIS JONES

Fax To:

Reported: 01-Dec-20 16:46

4500-Cl-B

B-10-2' H003117-29 (Soil)

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

Reported: 01-Dec-20 16:46

Project Number: 49

Project Manager: CHRIS JONES

Fax To:

B-10-BOTTOM

H003117-30 (Soil)

Analyte	Result	Reporti MDL Limit	Units	Dilution	n Batch	Analyst	Analyzed	Method	Notes
		Ca	rdinal Labor	atories					
Inorganic Compounds									
Chloride	160	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-11-1'

H003117-31 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
			Cardin	al Laborat	ories					
Inorganic Compounds										
Chloride	1380		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 - 11 - 2'

H003117-32 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
			Cardin	al Labora	tories					

Inorganic Compounds 0113012 16.0 GM 30-Nov-20 4500-Cl-B Chloride 128 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-BOTTOM

H003117-33 (Soil)

	Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
				Cardina	l Laborat	ories					
I	norganic 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-12-1'

H003117-34 (Soil)

Analyte	Re	sult MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
			Cardin	al Laborat	ories					
Inorganic Con	npounds									
Chloride	2	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	Limit Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
			Cardina	al 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:

Project Number: 49

Project Manager: CHRIS JONES

01-Dec-20 16:46

Fax To:

B-12-BOTTOM

H003117-36 (Soil)

	Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
				Cardina	ıl Laborat	ories					
<u>I</u> 1	norganic Compounds										
C	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

B-13-1'

H003117-37 (Soil)

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

01-Dec-20 16:46

Reported:

B - 13 - 2'

H003117-38 (Soil)

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

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	al 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
Batch 0112512 - 1:4 DI Water										
Blank (0112512-BLK1)				Prepared &	: Analyzed:	25-Nov-20				
Chloride	ND	16.0	mg/kg	•						
LCS (0112512-BS1)				Prepared &	: Analyzed:	25-Nov-20				
Chloride	416	16.0	mg/kg	400		104	80-120			
LCS Dup (0112512-BSD1)				Prepared &	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 &	: Analyzed:	30-Nov-20				
Chloride	ND	16.0	mg/kg							
LCS (0113011-BS1)				Prepared &	Analyzed:	30-Nov-20				
Chloride	400	16.0	mg/kg	400		100	80-120			
LCS Dup (0113011-BSD1)				Prepared &	: 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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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:

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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Received by OCD: 1/4/2023 7:04:36 AM



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: Chris Somes			ILL TO	ALEXANDER CONTRACTOR		ANALYSIS	REQUES	т
Chris Jones		P.O. #: 26	28905	19		1 1	- IL GOLO	·
address: 1601 N. Turner STE 500		Company:						
city: Hobbs State: NA Zip: 8 82		Attn: Ton						
Phone #: 9 64 - 7740 Fax #:		Address:	,					
roject #: 49 Project Owner: Devon	_	City:						
roject Name: PACK WAY WATE - SUN #1		State:	Zip:		-			
roject Location: Eddy Miles		Phone #:	ZIP:					
ampler Name: Robert Cuiper								
UK LAB USE ONLY	MATRIX	Fax #: PRESERV	SAM	PLING	4.1			
		, ALOUNY,	JAN	LING	10			
1 3-1-1-1	SLUDGE	OTHER: ACID/BASE: ICE / COOL OTHER:	DATE	TIME	Chlori			
2 5-1-2FT			11/23	0850				
2 5-1- 2 FT 3 5-1- BOHOM 4 5-2-11 5 5-2-21 6 5-2-Bottom				0855				
4 3-2-1			4/23					
5 3-2-21			4/23	0905				
6 5-2- Botrom				09/0				
113-3-1			/	0915				
8 5-3-21 9 5-3-Roman				0520				
9 5-3 - BOTTOM				0925				
10 3 4 - 11				0930				
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service. In no event shall Cardinal be liable for incidental or consequental damages, including without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries,

Relinquished by:	Date: Receive	di Mens		
T	īme:	а ву:		REMARKS: ** Sample IDs revised as per Chris. 12/1/100
Complex UPO D	ved Temp. °C 4.1		(hitials)	Turnaround Time: Standard Rush Bacteria (only) Sample Condition Thermometer ID 997 11 3 Correction Factor + 0.4 °C Pres Pres

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

Received by OCD: 1/4/2023 7:04:36 AM



CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

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

P.O. #: 208 905 19 Company: Devon Attn: Tom Bynu Address: City: State: Zip:	
Company: Devon Attn: Tom Bynu Address: City: State: Zip:	
Attn: Tom Bywo Address: City: State: Zip:	yay .
Address: City: State: Zip:	
City: State: Zip:	
State: Zip:	
Phone #:	
	3
PRESERV. SAMPLING	, , , , , , , , , , , , , , , , , , , ,
ACID/BASE: ICE / COOL OTHER:	Op local
1 11/23 08	OST 4
11/23 080	5
11/23 081	0
11/23 081	5
11/23 081	20
11/23 082	25
11/23 08:	30
11/23 083	35-
11/23 064	10
11/23 084	R I
	11/23 080 11/23 080 11/23 081 11/23 081 11/23 081 11/23 081 11/23 081 11/23 081

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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: P) mn Enviro menti Project Manager: Chris Jones	4/			В	ILL TO			ANALYS	S REQU	FST	
Address: //an/ M/ T	- 500				1890			I	1120	TT	_
Address: 1601 N. Turner 3 City: Hobbe State Man	TE SOO		Comp	oany:	Dev	on					
	Zip: 88240)	Attn:	Tor	n By	NUM					
rdx #.			Addre								
	Devon	1	City:							1 1	
Project Name: PARKWAY WEST S	WD #	/	State:		Zip:						
Project Location: Eddy, Nm			Phone	e #:			1				
Project Location: Fully, Nm Sampler Name: Robert CAI PER FOR LAB USE ONLY			Fax #:								
SH DIE USE UNET		TRIX	PR	ESERV	SAN	IPLING	1 4				
Lab I.D. Sample I.D. HOD3119 21	# CONTAINERS # CONTAINERS GROUNDWATER WASTEWATER SOIL	OIL	OTHER: ACID/BASE:	- ICE / COOL OTHER:	DATE 4/23	TIME 0540	Chlori				
73 5					11/23	0945					4
14 5 - 8 - 2 11					11/27	0950					1
75 5- 9 Bottom					11/27	1000					1
2/2 5 - 5 - 2		-1-1			11/23	1005					1
71 5- 9- P		-14			11/23	1010				·	1
25 5 - 9 - 1' 24 5 - 9 - 80 70m 21 5 - 9 - Boyrom 28 5 - 10 - 1'						1015					1
29 5 - 10 - 2	++++	44			11/27						1
JUB - 10 - Pa trac		-	1		11/23						1
EASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any cla- silyses. All claims including those for negligence and any other cause whatsoever shall be deerm into a new other cause whatsoever shall cardinal be liable for incidental or consequental damages, including withouters or surrough.					11/23	103,					t

Date: Received By: Time: Delivered By: (Circle One) Observed Temp. °C Sample Condition CHECKED BY: Cool Intact Cool Intact Turnaround Time: Standard Bacteria (only) Sample Cool Intact Cool Intact Turnaround Time: Standard Rush Cool Intact Cool Intact Cool Intact Cool Intact The meants in the standard Rush Cool Intact Cool Int	☐ No Add'l Phone #: ease provide Email address:	es 🗆 No d. Please pr	Verbal Result: Y	Won	1 1 1	Time: 2.30	Relinquished By:
ampler - UPS - Bus - Other: Corrected Temp. °C Cool Intact CheckED By: Turnaround Time: Standard Bacteria (only) Sampler - UPS - Bus - Other: Cool Intact CheckED By: Turnaround Time: Standard Rush Cool Intact CheckED By: Turnaround Time: Standard Rush Cool Intact CheckED By: The Cool Intact CheckED By: Turnaround Time: Standard Rush			REMARKS:		red By:	Book	and the same of th
PORMI-000 R 3.1 00/04/20 No No Correction Factor None	ch Daotona (omy)		Thermometer ID #113		Cool Intact Yes Yes	1.1	ampler - UPS - Bus - Other:



CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

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

Company Name: Pima Environment	12/									BILL						ANA	LYSIS	REC	IIE	-	_
roject Manager: Chris Jones							F	2.0.	#: 20	189	05	19	T	T		T	1	, LLG	JULS		
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City: Hobbt State/Vi	n Z	ip:	88	- 20	40		A	ttn:	Ton	n 2	3,	ven									
Phone #: 764 - 77 40 Fax #:								ddre			4.		1								
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ASE NOTE: Liability and Damages, Cardinal's liability and client's exclusive remedy for ses, All claims, including those for negligence and any other cause whatsoever shall be	3			4	F	1	4	=	4	1-0				-							

Delivered By: (Circle One) Observed Temp. °C Sample Condition Cool Intact Co	affiliates of successors arising out of or related to the p Relinquished By: Relinquished By:	11/24/20 1	ai Sten	Verbal Result: Y	es No Ac d. Please provide	id'l Phone #: Email address:
Sampler - UPS - Bus - Other: Corrected Temp. °C Cool Intact Cool I			/ed By:	REMARKS:		
Corrected Temp °C		11.1	Cool Intact			Cool Intact Observed Temp. °C ☐ 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	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*	10.7	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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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: PA
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 #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	d 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	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	93.4	% 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: 12/31/2020 Reported: 01/06/2021

PARKWAY WEST SWD #1

ma/ka

Project Number: 49

Project Name:

RTFY 8021R

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)

BIEX 8021B	mg	/ Kg	Analyze	а ву: м5					
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, SM4500Cl-B	mg	/kg	Analyze	ed 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	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	91.6	% 44.3-14	14						
Surrogate: 1-Chlorooctadecane	87.6	% 42.2-15	6						

Applyzod By: MC

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Celeg D. Frene



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 #4 (H003369-04)

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	01/04/2021	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 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	64.0	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	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

01/06/2021 Sampling Type:
PARKWAY WEST SWD #1 Sampling Condition:

Project Name: PARKWAY Project Number: 49

Project Location: DEVON - 32.635774-104.069381

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

12/31/2020

Soil

Sampling Date:

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

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	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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Celey D. Keine



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

01/06/2021 Si PARKWAY WEST SWD #1 Si

Project Name: PA
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	% 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	96.4	% 44.3-14	14						
Surrogate: 1-Chlorooctadecane	91.9	% 42.2-15	6						

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

Sampling Date: 12/31/2020 Sampling Type: Soil

Project Name: PARKWAY WEST SWD #1 Sampling Condition: ** (See Notes) Sample Received By: Jodi Henson

Project Number: 49

Project Location: DEVON - 32.635774-104.069381

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 5	% 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	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	4						
Surrogate: 1-Chlorooctadecane	91.0	% 42.2-15	6						

Cardinal Laboratories

*=Accredited Analyte

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Celey D. Keine

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

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	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	102 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	1960	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	96.8	% 44.3-14	4						
Surrogate: 1-Chlorooctadecane	91.7	% 42.2-15	6						

Cardinal Laboratories *=Accredited Analyte

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Celey D. Keine



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

Cardinal Laboratories *=Accredited Analyte

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Celeg D. Freene



CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Page 11 of 11

Released to Imaging: 1/24/2023 12:30:40 PM

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

Company Name: Pima Exvironmental	BILL TO	ANALYSIS REQUEST
Project Manager: Chiris Jones	P.O. #: 2059 US19	
Address: 1601 N. Turner Ste 500	Company: Devon	
City: 14066 State:NMZip: 8824	O Attn: Wes Mathews	
Phone #: 575-631-6977 Fax #:	Address:	
Project #: 49 Project Owner: Devok	City:	
Project Name: PACKWAY West SWD #1	State: Zip:	
Project Location: EDDY County	Phone #:	
Sampler Name: MATK Newcomb	Fax #: RIX PRESERV. SAMPLING	0
FOR LAB USE ONLY	RIX PRESERV. SAMPLING	
# CONTAINERS GROUNDWATER WASTEWATER WASTEWATER GROUNDWATER WASTEWATER WASTEWATER	OTHER: ACID/BASE: ICE / COOL OTHER: AT P T P T -	Ch lorid
North Wall Comp #1	12/31/20 1	
2 North WALL Comp#2		
3 North WALL COMP#3		
4 North Wall Comp#4		
5 WEST WALL COMP#1 WEST WALL COMP#2		
West WALLCOMP#2		
8 West WAIL COMP #4	7 7 7	+
	In contract or tool, shall be limited to the amount paid by the client for the	

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Relinquished By:	Time: 50 CM	di Henson	Verbal Result: ☐ Yes ☐ No Add'l Phone #: All Results are emailed. Please provide Email address:
Relinquished By:	Date: Received	i By:	Bill to Devon
Delivered By: (Circle One) Sampler - UPS - Bus - Other:	Observed Temp. °C 14.3 Corrected Temp. °C	Sample Condition Cool Intact See Yes No No	Turnaround Time: Standard Rush Bacteria (only) Sample Condition Cool Intact Observed Temp. °C Thermometer ID #113 Correction Factor None Standard Rush Ook One Observed Temp. °C



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)

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

Project Name: PARKWAY WEST SWD #1

Project Number:

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

Sampling Type: Soil

** (See Notes) Sampling Condition:

Sample Received By: Tamara Oldaker

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

DTEV 0021D

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, SM4500Cl-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						

A .. . l. d D. .. MC

Cardinal Laboratories *=Accredited Analyte

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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: 01/08/2021 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, SM4500CI-B	mg/	'kg	Analyzed 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						

Cardinal Laboratories *=Accredited Analyte

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Celey D. Keine



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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CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

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

Company Name:	Dimo Edvironen		11				T			BI	LL TO					AN/	ALYSI	S RE	QUES	ST	,
	Chris Jones	,					Ī	P.0	. #:	20	8905	9									
Address: Kas	on N. Turner stes	50	0				_			_)evas						1			- 1	
City: 15-101	os State: NM	Zin	. 9	82	46)					MAH						1				
	-631-6977 Fax#:	p	. 0		•				ires												
Project #: 40		- i	10	VON	1			City	<i>i</i> :												
Project #: 9	PARKWAY SWD#1			,,,			- 1	Sta			Zip:								1 1		1
							- 1		one:				1						1 1		
	MARK NEWCOMB						_	Fax					1		2				1 1		
Sampler Name: FOR LAB USE ONLY	MAP & New Conces	Т			MA	TRIX	_			SERV.	SAM	PLING	X		0						
Lab I.D. #210056	Sample I.D.	(G)RAB OR (C)OMP	# CONTAINERS	GROUNDWATER	SOIL	OIL	SLUDGE	OTHER:	ACID/BASE:	OTHER:	DATE	TIME	- Hall	BTEX	-						
	WEST WAIL #3	11				1			\Box	1	1/8/21	1.12	+	-	H	-	+	+			
2	WEST WAIL # 4	1			1	+				7	1		1	4	*						
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Relinquished By:	Time: /3/5	Received By:	Oldaker	Verbal Results □ Yes □ No □ Add¹ Phone #: All Results are emailed. Please provide Email address:
Relinquished By:	Date: Time:	Received By:		Bill to Devon
Delivered By: (Circle One) Sampler - UPS - Bus - Other:	Observed Temp. °C Corrected Temp. °C	Cool Intact	CHECKED BY: (Initials)	Turnaround Time: Standard Rush Cool Intact Observed Temp. °C Thermometer ID #113 Correction Factor None Standard Rush 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

Released to Imaging: 1/24/2023 12:30:40 PM

Page 5 of



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

Cardinal Laboratories *=Accredited Analyte

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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

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,	кg	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	% 73.3-12	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	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						

Applyzod By: MC

Cardinal Laboratories *=Accredited Analyte

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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:

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: EAST WALL # 1 (H210085-03)

Result Reporting Limit Analyzed Method Blank BS % Recovery True Value QC RPD	BIEX 8021B	mg	/ kg	Anaiyze	а ву: м5					
Toluene* < 0.050	Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
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 % 73.3-129 Chloride, SM4500Cl-B mg/ky Analyzed By: GM Analyte Result Reporting Limit Analyzed Method Blank BS % Recovery True Value QC RPD Chloride 64.0 16.0 01/14/2021 ND 400 100 400 3.92 TH 8015M mg/ky Analyzed By: MS Analyte Result Reporting Limit Analyzed Method Blank BS % Recovery True Value QC RPD 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 % 44.3-144	Benzene*	<0.050	0.050	01/14/2021	ND	2.07	104	2.00	4.57	
Total Xylenes* <0.150 0.150 01/14/2021 ND 5.87 97.8 6.00 4.52 Total BTEX <0.300	Toluene*	<0.050	0.050	01/14/2021	ND	2.07	103	2.00	4.66	
Total BTEX <0.300 0.300 01/14/2021 ND Surrogate: 4-Bromofluorobenzene (PID 99.2 % 73.3-129 Chloride, SM4500Cl-B mg/ky Analyzed By: GM Chloride 64.0 16.0 01/14/2021 ND 400 100 400 3.92 TPH 8015M mg/ky Analyzed By: MS Method Blank BS % Recovery True Value QC RPD GRO C6-C10* <10.0	Ethylbenzene*	<0.050	0.050	01/14/2021	ND	2.01	100	2.00	4.93	
Surrogate: 4-Bromofluorobenzene (PID 99.2 % 73.3-129 Chloride, SM4500Cl-B mg/ky Analyzed By: GM Analyte Result Reporting Limit Analyzed ND 400 100 400 3.92 Chloride 64.0 16.0 01/14/2021 ND 400 100 400 3.92 TPH 8015M mg/ky Analyzed By: MS Analyte Result Reporting Limit Analyzed Method Blank BS Recovery True Value QC RPD RPD GRO C6-C10* <10.0 10.0 01/14/2021 ND 220 110 200 1.44	Total Xylenes*	<0.150	0.150	01/14/2021	ND	5.87	97.8	6.00	4.52	
Chloride, SM4500Cl-B mg/kg Analyzed by: GM Analyte Result Reporting Limit Analyzed Method Blank BS % Recovery True Value QC RPD Chloride 64.0 16.0 01/14/2021 ND 400 100 400 3.92 TPH 8015M mg/kg Analyzed By: MS Analyte Result Reporting Limit Reporting Limit Analyzed Method Blank BS % Recovery True Value QC RPD GRO C6-C10* <10.0	Total BTEX	<0.300	0.300	01/14/2021	ND					
Analyte Result Reporting Limit Analyzed Method Blank BS % Recovery True Value QC RPD Chloride 64.0 16.0 01/14/2021 ND 400 100 400 3.92 TPH 8015M	Surrogate: 4-Bromofluorobenzene (PID	99.2	% 73.3-12	9						
Chloride 64.0 16.0 01/14/2021 ND 400 100 400 3.92 TPH 8015M mg/kg Analyzed By: MS Analyte Result Reporting Limit Analyzed Method Blank BS % Recovery True Value QC RPD GRO C6-C10* <10.0	Chloride, SM4500CI-B	mg	/kg	Analyze	ed By: GM					
TPH 8015M mg/s Analyzed By: MS Analyte Result Reporting Limit Analyzed Method Blank BS % Recovery True Value QC RPD GRO C6-C10* <10.0	Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Analyte Result Reporting Limit Analyzed Method Blank BS % Recovery True Value QC RPD 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 % 44.3-144	Chloride	64.0	16.0	01/14/2021	ND	400	100	400	3.92	
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 % 44.3-144	TPH 8015M	mg	/kg	Analyze	ed By: MS					
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 % 44.3-144	Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
EXT DRO >C28-C36 <10.0 10.0 01/14/2021 ND Surrogate: 1-Chlorooctane 80.8 % 44.3-144	GRO C6-C10*	<10.0	10.0	01/14/2021	ND	220	110	200	1.44	
Surrogate: 1-Chlorooctane 80.8 % 44.3-144	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-Chlorooctadecane 78.7 % 42.2-156	Surrogate: 1-Chlorooctane	80.8	% 44.3-14	14						
	Surrogate: 1-Chlorooctadecane	78.7	% 42.2-15	6						

Applyzod By: 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

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: SOUTH WALL # 1 (H210085-04)

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	01/14/2021	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	101	% 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	96.0	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	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

PARKWAY WEST SWD #1

Project Number: 49

Project Name:

BTEX 8021B

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)

	9/	9	7111411720						
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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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:

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)

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	98.8	% 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	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	96.9	% 44.3-14	4						
Surrogate: 1-Chlorooctadecane	92.7	% 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: EAST WALL #3 (H210085-07)

B1EX 8021B	mg/	кg	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	98.8	% 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	64.0	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	93.3	% 44.3-14	4						
Surrogate: 1-Chlorooctadecane	91.7	% 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: 01/13/2021 Reported:

01/18/2021 PARKWAY WEST SWD #1

Project Name: Project Number:

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	101	% 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	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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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 # 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	100	% 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	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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Celey D. Keine

Celey D. Keene, Lab Director/Quality Manager

*=Accredited Analyte



Analytical Results For:

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

Received: 01/13/2021 Sampling Date: 01/08/2021

Reported: 01/18/2021 Sampling Type: Soil

Project Name: PARKWAY WEST SWD #1 Sampling Condition: Cool & Intact
Project Number: 49 Sample Received By: Jodi Henson

Project Location: DEVON - 32.635774-104.069381

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

RTFY 8021R

B1EX 8021B	mg/	кд	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	98.6	% 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	112	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	95.0	% 44.3-14	4						
Surrogate: 1-Chlorooctadecane	92.9	% 42.2-15	6						

Analyzed By: MC

Cardinal Laboratories *=Accredited Analyte

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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:

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	% 73.3-12	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	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	4						
Surrogate: 1-Chlorooctadecane	84.0	% 42.2-15	6						

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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 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 #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	% 73.3-12	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	81.3	% 44.3-14	4						
Surrogate: 1-Chlorooctadecane	77.6	% 42.2-15	6						

Analyzed By: MC

Cardinal Laboratories *=Accredited Analyte

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Celey D. Keine



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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Celeg D. Freene

Received by OCD: 1/4/2023 7:04:36

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	e: Pima Environmental			BILL TO											ANALYSIS REQUEST										
Project Manage	er: Chris Jones							P.(D. #:	20	280	205	19							T	T				
Address: 160	1 N. Turner Ste 500	-								iny:				1		Ī									
City: Hob!							Attn: Wes Matthew						1												
Phone #: 57	5-631-6977 Fax#:								dres		1.4			1											
Project #: 4°	Project Owner Parks	er:	1	Dev	or			Cit																	
Project Name:	2 de Material Park		41	034	_ <	Shir	2		ite:		Zip:														
Project Locatio	on: 150104	ung	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	-					one		Lip.														
Sampler Name:	-								x#:					1											
FOR LAB USE ONLY	Olb Come 2	Т	Т		M	ATRI	x			SERV.	1	SAME	LING	1											
Lab I.D. H210085	Sample I.D.	(G)RAB,OR (C)OMP	# CONTAINERS	GROUNDWATER	WASTEWATER	SOIL	SLUDGE	OTHER:	ACID/BASE:	ICE / COOL OTHER:	Di	ATE	TIME	TPH EX	BTEX	Chlasido		-							
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ID	-South Wat 45 nd Damages, Cardinal's liability and client's exclusive remedy for a	11				H	-				ا		10:30	1	2	4			1						

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affiliates or successors arising out of or related to the p Relinquished By:	Particular of services hereunder by Control Date:	Received By:	Mon	Verbal Result: Y		Add'l Phone #: vide 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 A yes A yes No 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

Page 16 of 16

Released to Imaging: 1/24/2023 12:30:40 PM

101 Fast Marland, Hobbs, NM 88240

Company Name: First Environmental Project Manager: Chris Fores Address: /60 N. Jurnar S. Company: Devon Address: /60 N. Jurnar S. Company: Devon City: /fabbs State: NM Zip: 88840 Address: Phone #: 575-63!-6777 Fax #: Project Owner: Devon City: Project Name: Park way West SWY) Project Location: Sampler Name: Company: Devon State: Zip: Phone #: Fax #: Sampler Name: Company: Devon Address: Address: Address: City: Phone #: Fax #: Sampler Name: Company: Devon Address: Addre	EQUEST
Address: /60 N. Turner 5 to 500 Company: Devon City: /tobbs State: NM Zip: 86040 Attn: Wes Mathews Phone #: 575 - 63t - 6977 Fax #: Project #: 49 Project Owner: Devon City: Project Name: Park way West SWY) Project Location: FDOY Sampler Name: Gip Garre = MATRIX PRESERV. SAMPLING MATRIX PRESERV. SAMPLING	
City: fabbs State: NM Zip: 88840 Attn: Wes Mathews Phone #: 575-631-6977 Fax #: Address: Project #: 49 Project Owner: Dovon City: Project Name: Park way West Swy) State: Zip: Project Location: FDM Phone #: Sampler Name: G: 6 Gove = MATRIX PRESERV. SAMPLING FOR LAB USE ONLY Sample I.D. Sample I.D	
Phone #: 575-631-6977 Fax #: Project #: 49 Project Owner: Dovor City: Project Name: Park way West SWY) Project Location: FDOY Sampler Name: Gio Gove Team (Marrix Preserv. Sampling Proposed Control of Contr	
Phone #: 575 - 63f - 6977 Fax #: Project #: 49 Project Owner: Dovor City: Project Name: Park way West SWY) Project Location: FDM Sampler Name: G:0 Garage Towns Town	
Project Name: Park way West SWY) Project Location: Phone #: Sampler Name: G:0 Gove = MATRIX PRESERV. SAMPLING FOR LAB USE ONLY Lab I.D. Sample I.D. Sample I.D.	
Project Name: Park way West SWY) Project Location: FD04 Sampler Name: G:6 Garre FOR LAB USE ONLY Lab I.D. Sample I.D. State: Zip: Phone #: Fax #: MATRIX PRESERV. SAMPLING WATRIX PRESERV. SAMPLING WATRIX PRESERV. SAMPLING WATRIX PRESERV. SAMPLING Phone #: FOR LAB USE ONLY Lab I.D. Sample I.D.	
Project Location: FDOY Sampler Name: Fax #: FOR LAB USE ONLY Lab I.D. Sample I.D. Sample I.D. PROJECT FOR LAB USE ONLY Lab I.D. Sample I.D. Project H.E.R.: Sampler Name: Fax #: FOR LAB USE ONLY MATRIX PRESERV. SAMPLING MATRIX PRESERV. SAMPLING MATRIX PRESERV. SAMPLING THE H.E.R.: 1	
Sampler Name: G:0 GOVO 6-2 FOR LAB USE ONLY Lab I.D. Sample I.D. Sample I.D. Sample I.D. Sample I.D. Sample I.D. Fax#: Lab I.D. Sample	
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service. In no event shall Cardinal be liable for incidental or consequence outlined as the second larger of whether such claim is based upon any of the above stated reasons or otherwise.	
Relinquished By: All Results are emailed. Please provide Email address Time: All Results are emailed. Please provide Email address	s:
REMARKS:	
Reiniquisited by.	
Time: Standard Bacteria ((only) Sample Condition
Delivered By: (Circle One) Observed Temp. °C 3. Sample Condition Cool Intact Cool Intac	act Observed Temp. °C Yes

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

For:

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

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Released to Imaging: 1/24/2023 12:30:40 PM

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

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Definitions/Glossary

Client: EOR/Ridgeway Arizona Oil Corp

Project/Site: Mizar 11 Fed Com 14

Job ID: 890-716-1

Qualifiers

GC VOA

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

Quanner	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.

HPLC/IC	
Qualifier	Qualifier Description
U	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
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis 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)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
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)

Eurofins Xenco, Carlsbad

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Toxicity Equivalent Quotient (Dioxin)

Too Numerous To Count

TEQ

TNTC

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

Job ID: 890-716-1

Project/Site: Mizar 11 Fed Com 14

Lab Sample ID: 890-716-1

Matrix: Solid

Client Sample ID: CS1-Surface

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

Amalusta								
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 Ran	ge Organics (Di	RO) (GC)						
		RO) (GC) Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
		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>D</u>	<u> </u>		Dil Fac
Analyte Gasoline Range Organics	Result	Qualifier U			<u>D</u>	<u> </u>		Dil Fac 1
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	Dil Fac
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	Dil Fac 1 1
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 08:49 05/25/21 08:49	05/26/21 00:12 05/26/21 00:12	1 1 1 1

o-Terphenyl	91		70 - 130				05/25/21 08:49	05/26/21 00:12	1
Method: 300.0 - Anions, Ion Chrom	atography -	Soluble							
Analyte	Result	Qualifier	RL	Ur	nit	D	Prepared	Analyzed	Dil Fac
Chloride	<5.04	U	5.04	mg	g/Kg			05/26/21 20:26	1

70 - 130

104

100

Client Sample ID: CS1-1'

1-Chlorooctane

Date Collected: 05/21/21 00:00

Date Received: 05/21/21 13:48

1,4-Difluorobenzene (Surr)

Lab	Sample	ID:	890-716-2
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05/26/21 00:12

05/25/21 08:49

Matrix: Solid

Method: 8021B - \	Volatile	Organic	Compounds	(GC)	

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

Method: 8015B NM - Diesel Range	Organics (DI	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 08:49	05/26/21 01:15	1
(GRO)-C6-C10								

70 - 130

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Job ID: 890-716-1

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

Client Sample ID: CS1-1'

Lab Sample ID: 890-716-2

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)	<49.8	U	49.8	mg/Kg		05/25/21 08:49	05/26/21 01:15	1
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
		Soluble	70 - 130			05/25/21 08:49	05/26/21 01:15	1
o-Terphenyl Method: 300.0 - Anions, Ion Chr. Analyte	omatography -	Soluble Qualifier	70 ₋ 130 RL	Unit	D	05/25/21 08:49 Prepared	05/26/21 01:15 Analyzed	1 Dil Fac

Client Sample ID: CS2-Surface Lab Sample ID: 890-716-3 Date Collected: 05/21/21 00:00

Date Received: 05/21/21 13:48

Matrix: Solid

Method: 8021B - Volatile Organic Compounds (GC) Analyte Result Qualifier RL Unit Prepared Analyzed Dil Fac Benzene <0.00199 U 0.00199 05/24/21 09:50 05/24/21 23:54 mg/Kg Toluene <0.00199 U 0.00199 mg/Kg 05/24/21 09:50 05/24/21 23:54 Ethylbenzene <0.00199 U 0.00199 mg/Kg 05/24/21 09:50 05/24/21 23:54 m-Xylene & p-Xylene <0.00398 U 0.00398 mg/Kg 05/24/21 09:50 05/24/21 23:54 o-Xylene <0.00199 U 0.00199 mg/Kg 05/24/21 09:50 05/24/21 23:54 Xylenes, Total <0.00398 U 0.00398 mg/Kg 05/24/21 09:50 05/24/21 23:54 Total BTEX <0.00398 U 0.00398 05/24/21 09:50 05/24/21 23:54 mg/Kg

	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
Į	1,4-Difluorobenzene (Surr)	97		70 - 130	05/24/21 09:50	05/24/21 23:54	1

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

Method. 00 13D MM - Dieser Kang	Je Organica (D	(GC)						
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics	<49.8	U	49.8	mg/Kg		05/25/21 08:49	05/26/21 01:37	1
(GRO)-C6-C10								
Diesel Range Organics (Over	<49.8	U	49.8	mg/Kg		05/25/21 08:49	05/26/21 01:37	1
C10-C28)								
OII 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	1
o-Terphenyl	102		70 - 130			05/25/21 08:49	05/26/21 01:37	1

Method: 300.0 - Anions, Ion Chromatography - 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

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Client Sample Results

Client: EOR/Ridgeway Arizona Oil Corp

Job ID: 890-716-1

Project/Site: Mizar 11 Fed Com 14

Lab Sample ID: 890-716-4

Matrix: Solid

Client Sample ID: CS2-1'
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 09:50	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	nge Organics (Di	RO) (GC)						
	• •	RO) (GC) Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Analyte Gasoline Range Organics	• •	Qualifier	RL 49.9	Unit mg/Kg	<u>D</u>	Prepared 05/25/21 08:49	Analyzed 05/26/21 01:57	Dil Fac
Analyte	Result	Qualifier U			<u>D</u>	<u>.</u>		Dil Fac
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 01:57	Dil Fac
Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28)	Result <49.9	Qualifier U	49.9	mg/Kg	<u> </u>	05/25/21 08:49	05/26/21 01:57	Dil Fac
(GRO)-C6-C10 Diesel Range Organics (Over	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 01:57 05/26/21 01:57	1 1 1 1

o-Terphenyl	100	70 - 130			05/25/21 08:49	05/26/21 01:57	1
Method: 300.0 - Anions, Ion Chror	natography - Soluble						
Analyte	Result Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac

5.02

mg/Kg

70 - 130

115

5.68

Client Sample ID: CS3-Surface

Date Collected: 05/21/21 00:00

1-Chlorooctane

Chloride

Date Received: 05/21/21 13:48

Lab Sample	ID: 890-716-5
	Matrix: Solid

05/26/21 21:00

05/26/21 01:57

05/25/21 08:49

Matrix: Solid

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 (Di	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

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4.0

111

13

14

/20/2021

Job ID: 890-716-1

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

Lab Sample ID: 890-716-5

Matrix: Solid

Client Sample ID: CS3-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
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8	mg/Kg		05/25/21 08:49	05/26/21 02:19	1
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
o-Terphenyl	98		70 - 130			05/25/21 08:49	05/26/21 02:19	1
Method: 300.0 - Anions, Ion Chro	omatography -	Soluble						
Analyte		Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac

5.35 Client Sample ID: CS3-1' Lab Sample ID: 890-716-6

mg/Kg

<5.35 U

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

Chloride

Matrix: Solid

05/26/21 21:05

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	Range Organics	(DRO) (GC)

Method. 00 130 MM - Diesei 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 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 Chrom	natography - Soluble						
Analyte	Result Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	5.71	4.97	mg/Kg			05/26/21 21:10	1

Eurofins Xenco, Carlsbad

Client Sample Results

Client: EOR/Ridgeway Arizona Oil Corp

Client Sample ID: CS4-Surface

Job ID: 890-716-1

Project/Site: Mizar 11 Fed Com 14

<0.00400 U

123

107

Lab Sample ID: 890-716-7

05/25/21 01:16

05/26/21 03:01

05/26/21 03:01

Matrix: Solid

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

Total BTEX

1-Chlorooctane

(GRO)-C6-C10

o-Terphenyl

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

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

0.00400

mg/Kg

05/24/21 09:50

05/25/21 08:49

05/25/21 08:49

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 03:01	1
(GRO)-C6-C10								
Diesel Range Organics (Over	<50.0	U	50.0	mg/Kg		05/25/21 08:49	05/26/21 03:01	1
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	1
Total TPH	<50.0	U	50.0	mg/Kg		05/25/21 08:49	05/26/21 03:01	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac

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

70 - 130

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: 1/24/2023 12:30:40 PM

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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Job ID: 890-716-1

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

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

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 03:22	1
C10-C28)								
OII 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						
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac

Client Sample ID: CS5-Surface

Lab Sample ID: 890-716-9

Date Collected: 05/21/21 00:00

Matrix: Solid

Date Received: 05/21/21 13:48

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

Surrogate	%Recovery Qual	alifier 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

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 03:43	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0	mg/Kg		05/25/21 08:49	05/26/21 03:43	1
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-Terphenvl	101		70 - 130			05/25/21 08:49	05/26/21 03:43	1

Method: 300.0 - Anions, Ion Chron	natography - Soluble						
Analyte	Result Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<4.99 U	4.99	mg/Kg			05/26/21 21:25	1

Eurofins Xenco, Carlsbad

2

3

4

6

9

10

12

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

Job ID: 890-716-1

Client Sample ID: CS5-1'

Lab Sample ID: 890-716-10

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	<0.00201	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 Rang	•							
Method: 8015B NM - Diesel Rang Analyte	Result	Qualifier	RL	Unit	<u>D</u>	Prepared	Analyzed	Dil Fac
Method: 8015B NM - Diesel Rang Analyte Gasoline Range Organics	•	Qualifier	RL	Unit mg/Kg	<u>D</u>	Prepared 05/25/21 08:49	Analyzed 05/26/21 04:04	Dil Fac
Method: 8015B NM - Diesel Rang Analyte Gasoline Range Organics (GRO)-C6-C10	Result < 50.0	Qualifier U	50.0	mg/Kg	<u>D</u>	05/25/21 08:49	05/26/21 04:04	1
Method: 8015B NM - Diesel Rang Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over	Result	Qualifier U			<u>D</u>	<u>·</u>		Dil Fac
Method: 8015B NM - Diesel Rang Analyte Gasoline Range Organics (GRO)-C6-C10	Result < 50.0	Qualifier U	50.0	mg/Kg	<u>D</u>	05/25/21 08:49	05/26/21 04:04	1
Method: 8015B NM - Diesel Rang Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28)	Result <50.0 <50.0	Qualifier U U U	50.0	mg/Kg	<u>D</u>	05/25/21 08:49 05/25/21 08:49	05/26/21 04:04 05/26/21 04:04	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)	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 04:04 05/26/21 04:04 05/26/21 04:04	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	Result <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 08:49 05/25/21 08:49 05/25/21 08:49 05/25/21 08:49	05/26/21 04:04 05/26/21 04:04 05/26/21 04:04 05/26/21 04:04	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	50.0 50.0 50.0 50.0 <i>Limits</i>	mg/Kg mg/Kg mg/Kg	<u> </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 04:04 05/26/21 04:04 05/26/21 04:04 05/26/21 04:04 Analyzed	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 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 04:04 05/26/21 04:04 05/26/21 04:04 05/26/21 04:04 Analyzed 05/26/21 04:04	1 1 1 1 1 1 1 Dil Fac

Client Sample ID: CS6-Surface Lab Sample ID: 890-716-11 Date Collected: 05/21/21 00:00 **Matrix: Solid**

4.97

mg/Kg

6.56

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 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
- Method: 8015B NM - Diesel Ra	ange 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 08:49	05/26/21 04:46	1

Eurofins Xenco, Carlsbad

05/26/21 21:30

Client: EOR/Ridgeway Arizona Oil Corp

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	U	49.8	mg/Kg		05/25/21 08:49	05/26/21 04:46	1
C10-C28)								
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			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	omatography -	Soluble						

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

4.96

mg/Kg

15.2

93

114

96

Date Collected: 05/21/21 00:00

4-Bromofluorobenzene (Surr)

1-Chlorooctane

o-Terphenyl

Chloride

Date Received: 05/21/21 13:48

Matrix: Solid

05/25/21 03:59

05/26/21 05:08

05/26/21 05:08

05/24/21 09:50

05/25/21 08:49

05/25/21 08:49

05/26/21 22:09

Method: 8021B - Volatile Org	anic 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

70 - 130

1,4-Difluorobenzene (Surr)	96		70 - 130			05/24/21 09:50	05/25/21 03:59	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 05:08	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9	mg/Kg		05/25/21 08:49	05/26/21 05:08	1
Oll Range Organics (Over C28-C36)	<49.9	U	49.9	mg/Kg		05/25/21 08:49	05/26/21 05:08	1
Total TPH	<49.9	U	49.9	mg/Kg		05/25/21 08:49	05/26/21 05:08	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac

Method: 300.0 - Anions, Ion Chron	natography - Soluble						
Analyte	Result Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<5.04 U	5.04	ma/Ka			05/26/21 22:24	1

70 - 130

70 - 130

Client: EOR/Ridgeway Arizona Oil Corp

Job ID: 890-716-1

Project/Site: Mizar 11 Fed Com 14

Client Sample ID: CS7-Surface Lab Sample ID: 890-716-13

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		05/24/21 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 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 49.9	Unit mg/Kg	<u>D</u>	Prepared 05/25/21 08:49	Analyzed 05/26/21 05:29	
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 05:29	1
Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over	Result	Qualifier U			<u> </u>			1
Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28)	Result <49.9	Qualifier U	49.9	mg/Kg	<u>D</u>	05/25/21 08:49 05/25/21 08:49	05/26/21 05:29 05/26/21 05:29	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	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 05:29 05/26/21 05:29 05/26/21 05:29	1
Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28)	Result <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 05:29 05/26/21 05:29	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 05:29 05/26/21 05:29 05/26/21 05:29	1
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	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 05:29 05/26/21 05:29 05/26/21 05:29 05/26/21 05:29	Dil Fac
Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Oll Range Organics (Over C28-C36) Total TPH Surrogate	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 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 05:29 05/26/21 05:29 05/26/21 05:29 05/26/21 05:29 Analyzed	Dil Fa
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 05:29 05/26/21 05:29 05/26/21 05:29 05/26/21 05:29 Analyzed 05/26/21 05:29	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 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 **Recovery 104 90 comatography -	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 05:29 05/26/21 05:29 05/26/21 05:29 05/26/21 05:29 Analyzed 05/26/21 05:29	Dil Fac

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
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 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 08:49	05/26/21 05:50	1

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

Lab Sample ID: 890-716-14

Matrix: Solid

Job ID: 890-716-1

Client Sample ID: CS7-1' 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	<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

Analyte Result Qualifier RL Unit Prepared Dil Fac D Analyzed Chloride <4.98 U 4.98 05/26/21 22:33 mg/Kg

Client Sample ID: CS8-Surface

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

Lab Sample ID: 890-716-15 Matrix: Solid

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result Qu	ualifior	RL	Unit	D	Prepared	Analyzed	Dil Fac
Analyte	Result Qu	uaiiiiei		OIIIL		гтератец	Allalyzeu	Dil Fac
Benzene	<0.00202 U		0.00202	mg/Kg		05/24/21 09:50	05/25/21 05:00	1
Toluene	<0.00202 U		0.00202	mg/Kg		05/24/21 09:50	05/25/21 05:00	1
Ethylbenzene	<0.00202 U		0.00202	mg/Kg		05/24/21 09:50	05/25/21 05:00	1
m-Xylene & p-Xylene	<0.00404 U		0.00404	mg/Kg		05/24/21 09:50	05/25/21 05:00	1
o-Xylene	<0.00202 U		0.00202	mg/Kg		05/24/21 09:50	05/25/21 05:00	1
Xylenes, Total	<0.00404 U		0.00404	mg/Kg		05/24/21 09:50	05/25/21 05:00	1
Total BTEX	<0.00404 U		0.00404	mg/Kg		05/24/21 09:50	05/25/21 05:00	1

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

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 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
C10-C28)								
OII Range Organics (Over C28-C36)	<50.0	U	50.0	mg/Kg		05/25/21 08:49	05/26/21 06:11	1
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	1
o-Ternhenyl	11.3		70 130			05/25/21 08:49	05/26/21 06:11	1

Method: 300.0 - Anions, Ion Chron	natography - Soluble							
Analyte	Result Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac	
Chloride	<4 99 U	4 99	ma/Ka			05/26/21 22:38		

Client: EOR/Ridgeway Arizona Oil Corp

Project/Site: Mizar 11 Fed Com 14

Lab Sample ID: 890-716-16

Matrix: Solid

Job ID: 890-716-1

Client Sample ID: CS8-1' 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	<0.00202	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	1
1,4-Difluorobenzene (Surr)	97		70 - 130			05/24/21 09:50	05/25/21 05:21	1

Method: 8015B NM - Diesel Range Organics (DRO) (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 06:32	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0	mg/Kg		05/25/21 08:49	05/26/21 06:32	1
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
1-Chlorooctane	112		70 - 130			05/25/21 08:49	05/26/21 06:32	1

Method: 300.0 - Anions, Ion Chrom	atography - Soluble						
Analyte	Result Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<5.00 II	5.00	ma/Ka			05/26/21 22:53	

70 - 130

97

Lab Sample ID: 890-716-17 Client Sample ID: CS9-urface Date Collected: 05/21/21 00:00 **Matrix: Solid**

Date Received: 05/21/21 13:48

o-Terphenyl

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
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 06:53	1

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Released to Imaging: 1/24/2023 12:30:40 PM

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

Client Sample ID: CS9-urface

Lab Sample ID: 890-716-17

Matrix: Solid

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

ì	The state of the s		
	Method: 8015B NM - Diesel Range	Organics (DRO) (GC) (Continued	d)
	Analyto	Posult Qualifier	DІ

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)								
Oll 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 08:4	9 05/26/21 06:53	1
o-Terphenyl	100		70 - 130	05/25/21 08:4	9 05/26/21 06:53	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 22:58	1

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

Matrix: Solid

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 09:50	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 - Diesei 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 07:14	1
(GRO)-C6-C10								
Diesel Range Organics (Over	<50.0	U	50.0	mg/Kg		05/25/21 08:49	05/26/21 07:14	1
C10-C28)								
OII Range Organics (Over C28-C36)	<50.0	U	50.0	mg/Kg		05/25/21 08:49	05/26/21 07:14	1
Total TPH	<50.0	U	50.0	mg/Kg		05/25/21 08:49	05/26/21 07:14	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane	112		70 - 130			05/25/21 08:49	05/26/21 07:14	1
o-Terphenyl	96		70 - 130			05/25/21 08:49	05/26/21 07:14	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 23:03	1

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

Job ID: 890-716-1

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 Ran	ge Organics (D	RO) (GC)						
Analyte	Result	Qualifier	RL	Unit	<u>D</u>	Prepared	Analyzed	Dil Fac
Analyte Gasoline Range Organics	• • •	Qualifier	RL 49.9	Unit mg/Kg	<u>D</u>	Prepared 05/25/21 08:49	Analyzed 05/26/21 07:36	Dil Fac
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 07:36	1
Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over	Result	Qualifier U			<u>D</u>			1
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 07:36	1
Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28)	Result <49.9	Qualifier U U U	49.9	mg/Kg	<u>D</u>	05/25/21 08:49 05/25/21 08:49	05/26/21 07:36 05/26/21 07:36	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 07:36 05/26/21 07:36 05/26/21 07:36	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	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 07:36 05/26/21 07:36 05/26/21 07:36 05/26/21 07:36	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	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 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
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 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 1

Client Sample ID: CS10-1' Lab Sample ID: 890-716-20 Date Collected: 05/21/21 00:00

5.04

mg/Kg

<5.04 U

Date Received: 05/21/21 13:48

Chloride

Method: 8021B - Volatile Orga	•	•	ъ.		_			D.: -
Analyte		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	<50.0	U	50.0	mg/Kg		05/25/21 08:49	05/26/21 07:57	1

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Matrix: Solid

05/26/21 23:08

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

Client Sample ID: CS10-1'

Lab Sample ID: 890-716-20

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	<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

Method: 300.0 - Anions, Ion Chromatography - Soluble									
	Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
	Chloride	<4.95	U	4.95	mg/Kg			05/26/21 23:13	1

70 - 130

Client Sample ID: CS11-Surface

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

o-Terphenyl

Lab Sample ID: 890-716-21

05/26/21 07:57

05/25/21 08:49

Matrix: Solid

Method: 8021B - Volatile Org	ganic Compounds (GC)						
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

motifod: of fob itm Biodol Italia	je Organies (B	, (00)						
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)								
Oll 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 Chromatography - Soluble								
	Analyte	Result Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
	Chloride	<4.95 U	4 95	ma/Ka			05/26/21 23:18	1

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

Job ID: 890-716-1

Client Sample ID: CS11-1'

Lab Sample ID: 890-716-22

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 09:37	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 Chromatography - Soluble									
	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	

Date Collected: 05/21/21 00:00

Lab Sample ID: 890-716-23 Client Sample ID: CS12-Surface **Matrix: Solid** Date Received: 05/21/21 13:48

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 (DI	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

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Released to Imaging: 1/24/2023 12:30:40 PM

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

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
Diesel Range Organics (Over	<49.8	U	49.8	mg/Kg		05/25/21 09:04	05/26/21 01:37	1
C10-C28)								
OII Range Organics (Over C28-C36)	<49.8	U	49.8	mg/Kg		05/25/21 09:04	05/26/21 01:37	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
Method: 300.0 - Anions, Ion Chro	omatography -	Soluble						
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	5.39	•	5.05	mg/Kg			05/26/21 23:37	

Client Sample ID: CS12-1' Lab Sample ID: 890-716-24

Date Collected: 05/21/21 00:00

Date Received: 05/21/21 13:48

Method: 8021B - Volatile Organic Compounds (GC)

Matrix: Solid

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fa
Benzene	<0.00198	U	0.00198	mg/Kg		05/24/21 09:37	05/25/21 00:14	
Toluene	<0.00198	U	0.00198	mg/Kg		05/24/21 09:37	05/25/21 00:14	
Ethylbenzene	<0.00198	U	0.00198	mg/Kg		05/24/21 09:37	05/25/21 00:14	
m-Xylene & p-Xylene	<0.00396	U	0.00396	mg/Kg		05/24/21 09:37	05/25/21 00:14	
o-Xylene	<0.00198	U	0.00198	mg/Kg		05/24/21 09:37	05/25/21 00:14	
Xylenes, Total	< 0.00396	U	0.00396	mg/Kg		05/24/21 09:37	05/25/21 00:14	
Total BTEX	<0.00396	U	0.00396	mg/Kg		05/24/21 09:37	05/25/21 00:14	
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fa
4-Bromofluorobenzene (Surr)	107		70 - 130			05/24/21 09:37	05/25/21 00:14	
1,4-Difluorobenzene (Surr)	115		70 - 130			05/24/21 09:37	05/25/21 00:14	
Method: 8015B NM - Diesel Rang	ge Organics (D	RO) (GC)						
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fa
Gasoline Range Organics	<49.9	U	49.9	mg/Kg		05/25/21 09:04	05/26/21 01:57	
(GRO)-C6-C10								
Diesel Range Organics (Over	<49.9	U	49.9	mg/Kg		05/25/21 09:04	05/26/21 01:57	
C10-C28)								
Oll Range Organics (Over C28-C36)	<49.9	U	49.9	mg/Kg		05/25/21 09:04	05/26/21 01:57	
Total TPH	<49.9	U	49.9	mg/Kg		05/25/21 09:04	05/26/21 01:57	
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fa
1-Chlorooctane	108		70 - 130			05/25/21 09:04	05/26/21 01:57	
o-Terphenyl	102		70 - 130			05/25/21 09:04	05/26/21 01:57	
Method: 300.0 - Anions, Ion Chro	omatography -	Soluble						
Analyte		Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fa

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

Job ID: 890-716-1

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

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

Analyte Result Qualifier RL Unit Prepared Analyzed Dil Fac Gasoline Range Organics <49.8 U 49.8 mg/Kg 05/25/21 09:04 05/26/21 02:19 (GRO)-C6-C10 Diesel Range Organics (Over <49.8 U 49.8 mg/Kg 05/25/21 09:04 05/26/21 02:19 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 1-Chlorooctane 100 70 - 130 05/25/21 09:04 05/26/21 02:19

o-Terphenyl	91		70 - 130			05/25/21 09:04	05/26/21 02:19	1
— 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

Client Sample ID: CS13-1' Lab Sample ID: 890-716-26 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	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	<49.9	U	49.9	mg/Kg		05/25/21 09:04	05/26/21 02:40	1

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Matrix: Solid

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

Client Sample ID: CS13-1'

Lab Sample ID: 890-716-26

Analyzed

05/26/21 02:40

05/26/21 02:40

Matrix: Solid

Dil Fac

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

Method: 8015B NM - Diesel Range	Organics (DI	RO) (GC) (Co	ntinued)			
Analyte	Result	Qualifier	RL	Unit	D	Prepared
Diesel Range Organics (Over	<49.9	U	49.9	mg/Kg		05/25/21 09:04
C10-C28)						
Oll Range Organics (Over C28-C36)	<49.9	U	49.9	mg/Kg		05/25/21 09:04

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

Method: 300.0 - Anions, Ion Chromatography - Soluble									
	Analyte	Result Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac	
	Chloride	<4.98 U	4.98	ma/Ka			05/27/21 00:02	1	

Client Sample ID: CS14-Surface Lab Sample ID: 890-716-27 Date Collected: 05/21/21 00:00

Matrix: Solid

Date Received: 05/21/21 13:48

Method: 8021B - Volatile Organic Compounds (GC)

Michiga. 002 ID - Volatile Of	garne compounds (5 0,						
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	Range	Organics	(DRO)	(GC)

Michiga. 00 10D 14M - Dieser Itali	je Organies (D	110) (00)						
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 03:01	1
(GRO)-C6-C10								
Diesel Range Organics (Over	<50.0	U	50.0	mg/Kg		05/25/21 09:04	05/26/21 03:01	1
C10-C28)								
OII Range Organics (Over C28-C36)	<50.0	U	50.0	mg/Kg		05/25/21 09:04	05/26/21 03:01	1
Total TPH	<50.0	U	50.0	mg/Kg		05/25/21 09:04	05/26/21 03:01	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane	87		70 - 130			05/25/21 09:04	05/26/21 03:01	1
o-Terphenyl	81		70 - 130			05/25/21 09:04	05/26/21 03:01	1

Method: 300.0 - Anions, Ion Chron	natography - Soluble							
Analyte	Result Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac	
Chloride	5 98	5.00	ma/Ka			05/27/21 00:07	1	

Client Sample Results

Client: EOR/Ridgeway Arizona Oil Corp

Project/Site: Mizar 11 Fed Com 14

Client Sample ID: CS14-1' Lab Sample ID: 890-716-28

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 09:37	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 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	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane	94		70 - 130			05/25/21 09:04	05/26/21 03:22	

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	94		70 - 130	05/25/21 09:04	05/26/21 03:22	1
o-Terphenyl	89		70 - 130	05/25/21 09:04	05/26/21 03:22	1

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

Client Sample ID: CS15-Surface Lab Sample ID: 890-716-29 Date Collected: 05/21/21 00:00

Date Received: 05/21/21 13:48

Released to Imaging: 1/24/2023 12:30:40 PM

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 R	ange 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 03:43	1

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Matrix: Solid

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

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)								
Oll 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 Chr	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

Date Received: 05/21/21 13:48

Total BTEX

05/25/21 02:18

05/24/21 09:37

Matrix: Solid

Method: 8021B - Volatile Organic Compounds (GC) Analyte Result Qualifier RL Unit Prepared Analyzed Dil Fac Benzene <0.00198 U 0.00198 05/24/21 09:37 05/25/21 02:18 mg/Kg Toluene <0.00198 U 0.00198 mg/Kg 05/24/21 09:37 05/25/21 02:18 05/24/21 09:37 05/25/21 02:18 Ethylbenzene <0.00198 U 0.00198 mg/Kg m-Xylene & p-Xylene <0.00397 U 0.00397 mg/Kg 05/24/21 09:37 05/25/21 02:18 o-Xylene <0.00198 U 0.00198 mg/Kg 05/24/21 09:37 05/25/21 02:18 Xylenes, Total <0.00397 U 0.00397 mg/Kg 05/24/21 09:37 05/25/21 02:18

Surrogate	%Recovery	Qualifier	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

0.00397

mg/Kg

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

<0.00397 U

Method. of 130 MM - Dieser Kang	Je Organics (D	NO) (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)								
Oll 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 Chrom	natography - Soluble						
Analyte	Result Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	5.21	5.05	mg/Kg			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

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

Lab Sample ID: 890-716-31

05/26/21 04:46

05/26/21 04:46

Matrix: Solid

Method: 8021B - Volatile Organ	nic Compounds (GC)						
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
-	Oi (D	BO) (GC)						
Method: 8015B NM - Diesel Ra	ום) nge Organics	NO) (GC)						
Method: 8015B NM - Diesel Ra Analyte	• • •	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Method: 8015B NM - Diesel Ra Analyte Gasoline Range Organics (GRO)-C6-C10	• • •	Qualifier	RL 49.8	Unit mg/Kg	<u>D</u>	Prepared 05/25/21 09:04	Analyzed 05/26/21 04:46	Dil Fac

Surrogate %Recovery Qualifier Limits Prepared Analyzed Dil Fac 1-Chlorooctane 80 70 - 130 05/25/21 09:04 05/26/21 04:46 o-Terphenyl 75 70 - 130 05/25/21 09:04 05/26/21 04:46

49.8

49.8

mg/Kg

mg/Kg

05/25/21 09:04

05/25/21 09:04

<49.8 U

<49.8 U

Method: 300.0 - Anions, Ion Chromatography - Soluble Analyte Result Qualifier RLUnit D Prepared Dil Fac Analyzed <4.96 U Chloride 4.96 mg/Kg 05/27/21 01:00

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

Oll Range Organics (Over C28-C36)

Total TPH

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 R	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

Client: EOR/Ridgeway Arizona Oil Corp

Project/Site: Mizar 11 Fed Com 14

Lab Sample ID: 890-716-32

Matrix: Solid

Client Sample ID: CS16-1' 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	<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
Method: 300.0 - Anions, Ion Chro	motography	Calubla						

Client Sample ID: CS17-Surface Lab Sample ID: 890-716-33 Date Collected: 05/21/21 00:00

5.00

mg/Kg

6.44

Date Received: 05/21/21 13:48

Chloride

Matrix: Solid

05/27/21 01:15

Method: 8021B - Volatile Organic Compounds (GC) Analyte Result Qualifier RL Unit Prepared Analyzed Dil Fac Benzene <0.00200 U 0.00200 05/25/21 08:50 05/25/21 17:40 mg/Kg Toluene <0.00200 U 0.00200 mg/Kg 05/25/21 08:50 05/25/21 17:40 mg/Kg Ethylbenzene <0.00200 U 0.00200 05/25/21 08:50 05/25/21 17:40 m-Xylene & p-Xylene <0.00399 U 0.00399 mg/Kg 05/25/21 08:50 05/25/21 17:40 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
1,4-Difluorobenzene (Surr)	99	70 - 130	05/25/21 08:50	05/25/21 17:40	1

Method: 80	15B NM - Diese	I Range	Organics	(DRO)	(GC)

Method: 8015B NM - Diesei Rang	ge Organics (ט	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 05:29	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

Method: 300.0 - Anions, Ion Chrom	natography - Soluble						
Analyte	Result Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	8.27	5.00	mg/Kg			05/27/21 01:20	1

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

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		05/25/21 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 Fac
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 Range Organics (DRO) (GC)

Method, ou lob Min - Diesel Kang	je Organics (Di	(00)						
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								
Diesel Range Organics (Over	<49.9	U	49.9	mg/Kg		05/25/21 09:04	05/26/21 05:50	1
C10-C28)								
Oll Range Organics (Over C28-C36)	<49.9	U	49.9	mg/Kg		05/25/21 09:04	05/26/21 05:50	1
Total TPH	<49.9	U	49.9	mg/Kg		05/25/21 09:04	05/26/21 05:50	1
Surrogate	%Recovery	Qualifier	l imits			Prenared	Analyzed	Dil Fac

Surrogate Analyzed 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

Method: 300.0 - Anions, Ion Chromatography - Soluble Analyte Result Qualifier RL Unit D Prepared Analyzed Dil Fac <4.99 U Chloride 4.99 mg/Kg 05/27/21 01:25

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

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 18:20	1
Toluene	<0.00199	U	0.00199	mg/Kg		05/25/21 08:50	05/25/21 18:20	1
Ethylbenzene	<0.00199	U	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	<50.0	U	50.0	mg/Kg		05/25/21 09:04	05/26/21 06:11	1

Eurofins Xenco, Carlsbad

(GRO)-C6-C10

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

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

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)								
OII 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 Chro	omatography -	Soluble						
	- 1 - 1	O	RL	Unit	D	Dropored	Analyzad	Dil Fac
Analyte	Result	Qualifier	KL	Ollit	U	Prepared	Analyzed	DII Fac

Client Sample ID: CS18-1' Lab Sample ID: 890-716-36 Date Collected: 05/21/21 00:00

Date Received: 05/21/21 13:48

Matrix: Solid

Method: 8021B - Volatile Orga	anic Compounds (0	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

Michiga. 00 10D Min - Dieser Kang	je Organies (D	110) (00)						
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)								
OII 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

Lab Sample ID: 890-716-37 Client Sample ID: CS19-Surface Date Collected: 05/21/21 00:00

Date Received: 05/21/21 13:48

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	Mate	ʻix	: S	bilo	

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	•	, , ,			_			
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	•
(GRO)-C6-C10								
Diesel Range Organics (Over	<49.9	U	49.9	mg/Kg		05/25/21 09:04	05/26/21 06:53	
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	•
Total TPH	<49.9	U	49.9	mg/Kg		05/25/21 09:04	05/26/21 06:53	•
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fa

Method: 300.0 - Anions, Ion Chron	natography - Soluble				
o-Terphenyl	79	70 - 130	05/25/21 09:04	05/26/21 06:53	1
1-Chlorooctane	85	70 - 130	05/25/21 09:04	05/26/21 06:53	1

Client Comple ID: CC40 4!						Lab Car	male ID: 000	746 20
Chloride	<4.98	U	4.98	mg/Kg			05/27/21 01:49	1
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	DII Fac

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 Range Organics (DRO) (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 07:14	1
	(GRO)-C6-C10								

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

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

Method: 8015B NM - Diesel Range C	(Octional Continued)
mothodi co ice im Biccoi italigo c	rigamos (Brits) (GG) (GG) (minaga)

<4.97 U

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)								
Oll 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 Method: 300.0 - Anions, Ion Chromatography - Soluble Analyte Result Qualifier Unit D RLPrepared Analyzed Dil Fac

4.97

mg/Kg

Client Sample ID: CS20-Surface

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

Chloride

05/27/21 01:54 Lab Sample ID: 890-716-39

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 08:50	05/25/21 19:42	1
Toluene	<0.00200	U	0.00200	mg/Kg		05/25/21 08:50	05/25/21 19:42	1
Ethylbenzene	<0.00200	U	0.00200	mg/Kg		05/25/21 08:50	05/25/21 19:42	1
m-Xylene & p-Xylene	<0.00400	U	0.00400	mg/Kg		05/25/21 08:50	05/25/21 19:42	1
o-Xylene	<0.00200	U	0.00200	mg/Kg		05/25/21 08:50	05/25/21 19:42	1
Xylenes, Total	<0.00400	U	0.00400	mg/Kg		05/25/21 08:50	05/25/21 19:42	1
Total BTEX	<0.00400	U	0.00400	mg/Kg		05/25/21 08:50	05/25/21 19:42	1

Surrogate	%Recovery Qua	alifier Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	89	70 - 130	05/25/21 08:50	05/25/21 19:42	1
1,4-Difluorobenzene (Surr)	97	70 - 130	05/25/21 08:50	05/25/21 19:42	1

Method: 8015B NM - Diesei 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 07:36	1
(GRO)-C6-C10								
Diesel Range Organics (Over	<49.9	U	49.9	mg/Kg		05/25/21 09:04	05/26/21 07:36	1
C10-C28)								
OII Range Organics (Over C28-C36)	<49.9	U	49.9	mg/Kg		05/25/21 09:04	05/26/21 07:36	1
Total TPH	<49.9	U	49.9	mg/Kg		05/25/21 09:04	05/26/21 07:36	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane	75		70 - 130			05/25/21 09:04	05/26/21 07:36	1
o-Terphenyl	67	S1-	70 - 130			05/25/21 09:04	05/26/21 07:36	1

	natography - Soluble						
Analyte	Result Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<4.99 U	4.99	mg/Kg			05/27/21 01:59	1

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 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		05/25/21 08:50	05/25/21 20:02	
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
1,4-Difluorobenzene (Surr) Method: 8015B NM - Diesel Rang Analyte	ge Organics (DI	RO) (GC) Qualifier	70 - 130 R L	Unit	D	05/25/21 08:50 Prepared	05/25/21 20:02 Analyzed	1 Dil Fac
: Method: 8015B NM - Diesel Rang	ge Organics (DI	Qualifier		Unit mg/Kg	<u>D</u>			·
Method: 8015B NM - Diesel Rang Analyte Gasoline Range Organics	ge Organics (DI	Qualifier U	RL		<u>D</u>	Prepared	Analyzed	,
Method: 8015B NM - Diesel Rang Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over	ge Organics (DI Result <50.0	Qualifier U	RL 50.0	mg/Kg	<u>D</u>	Prepared 05/25/21 09:04	Analyzed 05/26/21 07:57	Dil Fac
Method: 8015B NM - Diesel Rang Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28)	ge Organics (DI Result <50.0	Qualifier U U	RL 50.0	mg/Kg	<u>D</u>	Prepared 05/25/21 09:04 05/25/21 09:04	Analyzed 05/26/21 07:57	Dil Fac 1
Method: 8015B NM - Diesel Ranç Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Oll Range Organics (Over C28-C36)	ge Organics (DI Result <50.0 <50.0 <50.0	Qualifier U U U U	RL 50.0 50.0 50.0	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 07:57 05/26/21 07:57	Dil Fac 1 1
Method: 8015B NM - Diesel Ranç 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 <50.0 <50.0 <50.0 <50.0	Qualifier U U U U	RL 50.0 50.0 50.0 50.0	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 07:57 05/26/21 07:57 05/26/21 07:57 05/26/21 07:57	Dil Fac 1 1 1 1

	Method: 300.0 - Anions, Ion Chrom	atography - S	Soluble						
l	Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
	Chloride	<5.02	U	5.02	mg/Kg			05/27/21 02:04	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

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	ange Organics (D	RO) (GC)						
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics	<50.0	U	50.0	mg/Kg		05/24/21 16:09	05/25/21 20:45	1

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Matrix: Solid

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

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 Chr	omatography -	Soluble						
Method: 300.0 - Anions, Ion Chr Analyte	0	Soluble Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac

Client Sample ID: CS21-1' Lab Sample ID: 890-716-42 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		05/25/21 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 Rar	nge Organics	(DRO) (GC)

Method: 8015B NM - Diesei 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		05/24/21 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	ma/Ka			05/27/21 02:23		

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

Job ID: 890-716-1

Client Sample ID: CS22-Surface

Lab Sample ID: 890-716-43 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 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	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		05/24/21 16:09	05/25/21 21:28	•
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9	mg/Kg		05/24/21 16:09	05/25/21 21:28	•
Oll Range Organics (Over C28-C36)	<49.9	U	49.9	mg/Kg		05/24/21 16:09	05/25/21 21:28	•
Total TPH	<49.9	U	49.9	mg/Kg		05/24/21 16:09	05/25/21 21:28	,
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fa
1-Chlorooctane	101		70 - 130			05/24/21 16:09	05/25/21 21:28	

Method: 300.0 - Anions, Ion Chrom	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

Client Sample ID: CS22-1' Lab Sample ID: 890-716-44 Date Collected: 05/21/21 00:00 Matrix: Solid

Date Received: 05/21/21 13:48

o-Terphenyl

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	U	50.0	mg/Kg		05/24/21 16:09	05/25/21 21:49	1

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05/25/21 21:28

05/24/21 16:09

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

Lab Sample ID: 890-716-44

Matrix: Solid

Client Sample ID: CS22-1'

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 C10-C28)	<50.0	U	50.0	mg/Kg		05/24/21 16:09	05/25/21 21:49	1
Oll Range Organics (Over C28-C36)	<50.0	U	50.0	mg/Kg		05/24/21 16:09	05/25/21 21:49	1
Total TPH	<50.0	U	50.0	mg/Kg		05/24/21 16:09	05/25/21 21:49	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane	92		70 - 130			05/24/21 16:09	05/25/21 21:49	1
o-Terphenyl	91		70 - 130			05/24/21 16:09	05/25/21 21:49	1
- Method: 300.0 - Anions, Ion Chro	matography -	Soluble						
Analyte		Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac

Client Sample ID: CS23-Surface Lab Sample ID: 890-716-45 Date Collected: 05/21/21 00:00

4.96

mg/Kg

Date Received: 05/21/21 13:48

Chloride

Matrix: Solid

05/27/21 02:43

5.38

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00198	U	0.00198	mg/Kg		05/25/21 10:23	05/26/21 00:02	1
Toluene	<0.00200	U	0.00200	mg/Kg		05/24/21 13:00	05/25/21 08:16	1
Ethylbenzene	<0.00200	U	0.00200	mg/Kg		05/24/21 13:00	05/25/21 08:16	1
m-Xylene & p-Xylene	<0.00401	U	0.00401	mg/Kg		05/24/21 13:00	05/25/21 08:16	1
o-Xylene	<0.00200	U	0.00200	mg/Kg		05/24/21 13:00	05/25/21 08:16	1
Xylenes, Total	<0.00401	U	0.00401	mg/Kg		05/24/21 13:00	05/25/21 08:16	1
Total BTEX	<0.00401	U	0.00401	mg/Kg		05/24/21 13:00	05/25/21 08:16	1

Surrogate	%Recovery	Qualifier L	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	115		70 - 130	05/24/21 13:00	05/25/21 08:16	1
1,4-Difluorobenzene (Surr)	101	7	70 - 130	05/24/21 13:00	05/25/21 08:16	1

Method: 8015B NW - Diesei Rang	ge Organics (D	RU) (GC)						
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics	<49.9	U	49.9	mg/Kg		05/24/21 16:09	05/25/21 22:11	1
(GRO)-C6-C10								
Diesel Range Organics (Over	<49.9	U	49.9	mg/Kg		05/24/21 16:09	05/25/21 22:11	1
C10-C28)								
Oll Range Organics (Over C28-C36)	<49.9	U	49.9	mg/Kg		05/24/21 16:09	05/25/21 22:11	1
Total TPH	<49.9	U	49.9	mg/Kg		05/24/21 16:09	05/25/21 22:11	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane	116		70 - 130			05/24/21 16:09	05/25/21 22:11	1
o-Ternhenyl	107		70 130			05/24/21 16:09	05/25/21 22:11	1

Method: 300.0 - Anions, Ion Chromatography - Soluble Analyte Result Qualifier RI Unit D Prepared Analyzed Dil Fac							
Analyte	Result Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<4.95	4 95	ma/Ka			05/27/21 02:48	

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

Job ID: 890-716-1

Client Sample ID: CS23-1'

Date Received: 05/21/21 13:48

Chloride

Lab Sample ID: 890-716-46 Date Collected: 05/21/21 00:00

Matrix: Solid

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 (DI	RO) (GC)						
: Method: 8015B NM - Diesel Rang	ge Organics (DI	RO) (GC)						
Analyte	Result	Qualifier	RL	Unit	<u>D</u>	Prepared 05/04/01 16:00	Analyzed	Dil Fac
Analyte Gasoline Range Organics	• •	Qualifier	RL 50.0	Unit mg/Kg	<u>D</u>	Prepared 05/24/21 16:09	Analyzed 05/25/21 22:32	
Analyte Gasoline Range Organics (GRO)-C6-C10	Result	Qualifier U		mg/Kg	<u>D</u>			
Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over	Result < 50.0	Qualifier U	50.0		<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	50.0	mg/Kg	<u>D</u>	05/24/21 16:09	05/25/21 22:32	1
	Result <50.0 <50.0	Qualifier 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
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 1 1
Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) OII Range Organics (Over C28-C36) Total TPH	Result <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>	05/24/21 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 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	Result	Qualifier U U U U	50.0 50.0 50.0 50.0 Limits	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 Prepared	05/25/21 22:32 05/25/21 22:32 05/25/21 22:32 05/25/21 22:32 Analyzed	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	50.0 50.0 50.0 50.0 50.0 Limits 70 - 130	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 Prepared 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 Analyzed 05/25/21 22:32	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1

5.04

mg/Kg

5.44

05/27/21 02:53

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

Job ID: 890-716-1

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	CS9-1'	90	98	
890-716-19	CS10-Surface	87	96	
890-716-20	CS10-1'	92	101	
890-716-21	CS11-Surface	99	112	
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	CS10-1	93	99	
890-716-33	CS17-Surface CS17-1'	93 92	99	
890-716-35	CS17-1 CS18-Surface	92 97	99 101	
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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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 Re
		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	
390-716-42	CS21-1'	115	100	
390-716-43	CS22-Surface	98	89	
390-716-44	CS22-1'	133 S1+	80	
390-716-45	CS23-Surface	115	101	
390-716-46	CS23-1'	137 S1+	90	
_CS 880-3389/1-A	Lab Control Sample	107	92	
LCS 880-3390/1-A	Lab Control Sample	95	120	
LCS 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	
MB 880-3334/5-A	Method Blank	84	98	
MB 880-3385/5-A	Method Blank	94	99	
MB 880-3388/8	Method Blank	107	93	
MB 880-3389/5-A	Method Blank	108	91	
MB 880-3390/5-A	Method Blank	98	92	
MB 880-3392/5-A	Method Blank	87	94	
MB 880-3445/5-A	Method Blank	86	96	
MB 880-3457/5-A	Method Blank	69 S1-	79	
MB 880-3460/8	Method Blank	69 S1-	81	
Surrogate Legend				

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	
390-716-5	CS3-Surface	112	98	
890-716-6	CS3-1'	115	99	
390-716-7	CS4-Surface	123	107	
390-716-8	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)
		1CO1	OTPH1	
Lab Sample ID	Client Sample ID	(70-130)	(70-130)	
90-716-9	CS5-Surface	115	101	
90-716-10	CS5-1'	115	101	
90-716-11	CS6-Surface	112	96	
90-716-12	CS6-1'	114	96	
90-716-13	CS7-Surface	104	90	
90-716-14	CS7-1'	113	96	
90-716-15	CS8-Surface	134 S1+	113	
90-716-16	CS8-1'	112	97	
90-716-17	CS9-urface	115	100	
90-716-18	CS9-1'	112	96	
90-716-19	CS10-Surface	113	97	
90-716-20	CS10-1'	114	99	
90-716-21	CS11-Surface	93	89	
90-716-21 MS	CS11-Surface	83	70	
90-716-21 MSD	CS11-Surface	88	74	
90-716-22	CS11-1'	91	85	
90-716-23	CS12-Surface	86	80	
	CS12-3unace CS12-1'			
90-716-24		108	102	
90-716-25	CS13-Surface	100	91	
90-716-26	CS13-1'	103	101	
90-716-27	CS14-Surface	87	81	
90-716-28	CS14-1'	94	89	
90-716-29	CS15-Surface	91	86	
90-716-30	CS15-1'	85	80	
90-716-31	CS16-Surface	80	75	
90-716-32	CS16-1'	95	80	
90-716-33	CS17-Surface	110	102	
90-716-34	CS17-1'	102	93	
90-716-35	CS18-Surface	91	84	
90-716-36	CS18-1'	87	82	
90-716-37	CS19-Surface	85	79	
90-716-38	CS19-1'	64 S1-	56 S1-	
90-716-39	CS20-Surface	75	67 S1-	
90-716-40	CS20-1'	91	83	
90-716-41	CS21-Surface	106	110	
90-716-42	CS21-1'	104	114	
90-716-43	CS22-Surface	101	98	
90-716-44	CS22-1'	92	91	
90-716-45	CS23-Surface	116	107	
90-716-46	CS23-1'	111	104	
CS 880-3429/2-A	Lab Control Sample	110	107	
CS 880-3444/2-A	Lab Control Sample	114	101	
CS 880-3450/2-A	Lab Control Sample	103	95	
CS 880-3539/2-A	Lab Control Sample	106	87	
CSD 880-3429/3-A	Lab Control Sample Dup	115	106	
CSD 880-3444/3-A	Lab Control Sample Dup	119	100	
CSD 880-3450/3-A	Lab Control Sample Dup	106	97	
CSD 880-3539/3-A	Lab Control Sample Dup	96	78	
IB 880-3429/1-A	Method Blank	101	107	
1B 880-3444/1-A	Method Blank	101	10/	

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				

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Client: EOR/Ridgeway Arizona Oil Corp Job ID: 890-716-1

Project/Site: Mizar 11 Fed Com 14

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 880-3334/5-A

Client Sample ID: Method Blank

Analyzed	Dil Fac
05/24/21 12:01	1
05/24/21 12:01	1
05/24/21 12:01	1
05/24/21 12:01	1
	05/24/21 12:01 05/24/21 12:01 05/24/21 12:01

Prep Type: Total/NA

Prep Batch: 3385

Matrix: Solid Analysis Batch: 3386							Prep Type: 1 Prep Bate	
	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
	MB	MB						
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	84		70 - 130			05/24/21 08:30	05/24/21 12:01	1
1,4-Difluorobenzene (Surr)	98		70 - 130			05/24/21 08:30	05/24/21 12:01	1

Lab Sample ID: MB 880-3385/5-A Client Sample ID: Method Blank **Matrix: Solid**

Analysis Batch: 3387

MD MD

	IVID	IVID						
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

MB M	В
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	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
l	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

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	Prepared	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

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Client Sample ID: Method Blank

Prep Type: Total/NA

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

Analysis Batch: 3388

Matrix: Solid

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 3389

	MB	MB						
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

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

Client Sample ID: Lab Control Sample

Matrix: Solid

Analysis Batch: 3388

Lab Sample ID: LCS 880-3389/1-A

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

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Analysis Batch: 3388

Matrix: Solid

Lab Sample ID: LCSD 880-3389/2-A

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 Client Sample ID: Matrix Spike

Matrix: Solid

Analysis Batch: 3388

Prep Batch: 3389 Spike MS MS Sample Sample %Rec. Analyte Result Qualifier Added Result Qualifier Unit %Rec Limits Benzene <0.00200 UF1 0.100 0.08179 mg/Kg 82 70 - 130

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Prep Type: Total/NA

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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: 3389

Client Sample ID: Matrix Spike

Method: 8021B - Volatile Organic Compounds (GC) (Continued)

Lab Sample ID: 820-756-A-11-G MS

Matrix: Solid

Analysis Batch: 3388

	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

Lab Sample ID: 820-756-A-11-H MSD

Matrix: Solid

Analysis Batch: 3388

Client Sample	ID: Matrix	Spike	Duplicate
	_	_	

Prep Type: Total/NA

Prep Batch: 3389

	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

Lab Sample ID: MB 880-3390/5-A

Matrix: Solid

Analysis Batch: 3387

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 3390

MB MB

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	

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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 880-3390/1-A **Matrix: Solid**

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analysis Batch: 3387

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

Lab Sample ID: LCSD 880-3390/2-A **Matrix: Solid**

Prep Type: Total/NA

Prep Batch: 3390

Analysis Batch: 3387

	Spike	LCSD	LCSD				%Rec.		RPD
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Benzene	0.100	0.08321		mg/Kg		83	70 - 130	7	35
Toluene	0.100	0.08729		mg/Kg		87	70 - 130	0	35
Ethylbenzene	0.100	0.08469		mg/Kg		85	70 - 130	2	35
m-Xylene & p-Xylene	0.200	0.1699		mg/Kg		85	70 - 130	5	35
o-Xylene	0.100	0.08503		mg/Kg		85	70 - 130	5	35

LCSD LCSD

Surrogate	%Recovery Qualifier	Limits
4-Bromofluorobenzene (Surr)	90	70 _ 130
1.4-Difluorobenzene (Surr)	111	70 - 130

Client Sample ID: CS11-Surface

Prep Type: Total/NA Prep Batch: 3390

Lab Sample ID: 890-716-21 MS **Matrix: Solid**

Lab Sample ID: 890-716-21 MSD

Matrix: Solid

Analysis Batch: 3387

	Sample	Sample	Spike	MS	MS				%Rec.	
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	
Benzene	<0.00198	U F1	0.0996	0.05882	F1	mg/Kg		58	70 - 130	
Toluene	<0.00198	U F1	0.0996	0.03150	F1	mg/Kg		32	70 - 130	
Ethylbenzene	<0.00198	U F1	0.0996	0.04090	F1	mg/Kg		41	70 - 130	
m-Xylene & p-Xylene	<0.00397	U F1	0.199	0.07466	F1	mg/Kg		37	70 - 130	
o-Xylene	<0.00198	U F1	0.0996	0.05677	F1	mg/Kg		57	70 - 130	

MS MS

Surrogate	%Recovery Qualifier	Limits
4-Bromofluorobenzene (Surr)	100	70 - 130
1,4-Difluorobenzene (Surr)	126	70 - 130

Client Sample ID: CS11-Surface

Prep Type: Total/NA

Analysis Batch: 3387									Pre	p Batch:	: 3390
	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	Qualifier	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

	Spike	LCS	LCS				%Rec.	
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits	
Benzene	0.100	0.08965		mg/Kg		90	70 - 130	
Toluene	0.100	0.09013		mg/Kg		90	70 - 130	
Ethylbenzene	0.100	0.09712		mg/Kg		97	70 - 130	
m-Xylene & p-Xylene	0.200	0.2035		mg/Kg		102	70 - 130	
o-Xylene	0.100	0.1041		mg/Kg		104	70 - 130	

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 Limit Added Result Qualifier Unit D %Rec Limits **RPD** Benzene 0.100 0.08341 mg/Kg 83 70 - 130 35 0.100 0.08222 Toluene 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 87 70 - 130 mg/Kg 16 35 o-Xylene 0.100 0.08849 mg/Kg 70 - 130

LCSD LCSD

Surrogate	%Recovery Qualifier	Limits
4-Bromofluorobenzene (Surr)	98	70 - 130
1,4-Difluorobenzene (Surr)	103	70 - 130

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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 Type: Total/NA

Client Sample ID: CS1-Surface

Method: 8021B - Volatile Organic Compounds (GC) (Continued)

Lab Sample ID: 890-716-1 MS

Analysis Batch: 3386

Matrix: Solid

Prep Batch: 3392 Sample Sample Spike MS MS Result Qualifier Analyte Added Result Qualifier Unit %Rec Limits Benzene <0.00202 U F1 F2 0.100 0.04811 F1 mg/Kg 48 70 - 130 Toluene <0.00202 UF1 0.100 0.02738 F1 mg/Kg 27 70 - 130 Ethylbenzene <0.00202 UF1 0.100 0.03452 F1 mg/Kg 34 70 - 130 0.201 70 - 130 m-Xylene & p-Xylene <0.00403 UF1 0.06084 F1 mg/Kg 30 70 - 130 o-Xylene <0.00202 UF1 0.100 0.04803 F1 mg/Kg 48

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

Analysis Batch: 3306									Pre	р вассп	: 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 Qualit	fier 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	mg/Kg		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

LCS LCS

0.1096

Result Qualifier

Unit

mg/Kg

D

%Rec

110

Lab Sample ID: LCS 880-3445/1-A

Matrix: Solid

Analyte

Benzene

Analysis Batch: 3448

Client Sample ID: Lab Control Sample Prep Type: Total/NA Prep Batch: 3445

> %Rec. Limits 70 - 130

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Spike

Added

0.100

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 **Client Sample ID: Lab Control Sample Matrix: Solid** Prep Type: Total/NA **Analysis Batch: 3448** 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 %Recovery Qualifier Limits Surrogate 70 - 130 4-Bromofluorobenzene (Surr) 109 1,4-Difluorobenzene (Surr) 104 70 - 130

Lab Sample ID: LCSD 880-3445/2-A Client Sample ID: Lab Control Sample Dup

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

LCSD LCSD %Recovery Qualifier Surrogate Limits 70 - 130 4-Bromofluorobenzene (Surr) 102 1,4-Difluorobenzene (Surr) 104 70 - 130

Lab Sample ID: 880-2390-A-1-H MS Client Sample ID: Matrix Spike **Matrix: Solid** Prep Type: Total/NA

Analysis Batch: 3448 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	Qualifier	Limits
4-Bromofluorobenzene (Surr)	104		70 - 130
1.4-Difluorobenzene (Surr)	107		70 - 130

Lab Sample ID: 880-2390-A-1-I MSD Client Sample ID: Matrix Spike Duplicate Prep Type: Total/NA

Matrix: Solid Analysis Patch: 2449

Analysis Batch: 3448	nalysis Batch: 3448								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	

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 D 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 70 - 130 1,4-Difluorobenzene (Surr) 100

Lab Sample ID: MB 880-3457/5-A

Matrix: Solid

Analysis Batch: 3460

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 3457

MD MD

	IND	IVID						
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	

LCS LCS

Surrogate	%Recovery Qualifier	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-Xylene	0.100	0.07541		mg/Kg		75	70 - 130	17	35

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Client: EOR/Ridgeway Arizona Oil Corp

Job ID: 890-716-1

Prep Batch: 3457

Project/Site: Mizar 11 Fed Com 14

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 Prep Type: Total/NA

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 Surrogate %Recovery Qualifier Limits 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

	Sample	Sample	Spike	MSD	MSD				%Rec.		RPD
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Benzene	<0.00202	U	0.0998	0.09873		mg/Kg		99	70 - 130	34	35
Toluene	<0.00202	U F1	0.0998	0.06591	F1	mg/Kg		66	70 - 130	12	35
Ethylbenzene	<0.00202	U F1	0.0998	0.07136		mg/Kg		72	70 - 130	22	35
m-Xylene & p-Xylene	<0.00403	U F1	0.200	0.1340	F1	mg/Kg		67	70 - 130	23	35
o-Xylene	<0.00202	U F1	0.0998	0.07390		mg/Kg		74	70 - 130	20	35

	MSD				
Surrogate	%Recovery	Qualifier	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

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	IVID	IVID						
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

	МВ	МВ				
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

Project/Site: Mizar 11 Fed Com 14

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

Lab Sample ID: MB 880-3429/1-A **Matrix: Solid**

Analysis Batch: 3438

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 3429

	MB	MR						
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

мв мв

MD MD

	Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
	1-Chlorooctane	101		70 - 130	05/24/21 16:09	05/25/21 13:27	1
Į	o-Terphenyl	107		70 - 130	05/24/21 16:09	05/25/21 13:27	1

Lab Sample ID: LCS 880-3429/2-A

Matrix: Solid

Analysis Batch: 3438

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 3429

LCS LCS Spike %Rec. Added Result Qualifier Analyte Unit %Rec Limits Gasoline Range Organics 1000 831.1 83 70 - 130 mg/Kg (GRO)-C6-C10 Diesel Range Organics (Over 1000 1099 mg/Kg 110 70 - 130

C10-C28)

LCS LCS

Surrogate	%Recovery Qualifier	Limits
1-Chlorooctane	110	70 - 130
o-Terphenyl	107	70 - 130

Lab Sample ID: LCSD 880-3429/3-A

Matrix: Solid

Analysis Batch: 3438

Client	Sample	ID: Lah	Control	Sample	Dun
OHEHL	Januare	ID. Lab	COLLIG	Januare	Dub

Prep Type: Total/NA

Prep Batch: 3429

	Spike	LCSD	LCSD				%Rec.		RPD
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Gasoline Range Organics	1000	850.2		mg/Kg		85	70 - 130	2	20
(GRO)-C6-C10									
Diesel Range Organics (Over	1000	1106		mg/Kg		111	70 - 130	1	20
C10-C28)									

LCSD LCSD

Surrogate	%Recovery Qualifier	Limits
1-Chlorooctane	115	70 - 130
o-Terphenyl	106	70 - 130

Lab Sample ID: 890-715-A-1-E MS

Matrix: Solid

Analysis Batch: 3438

Client Sample ID: Matrix Spike	
--------------------------------	--

Prep Type: Total/NA

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

Lab Sample ID: 890-715-A-1-E MS

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

Prep Type: Total/NA

Prep Batch: 3429

Lab Sample ID: 890-715-A-1-F MSD **Matrix: Solid**

Lab Sample ID: MB 880-3444/1-A

Matrix: Solid

Analysis Batch: 3440

Analysis Batch: 3438

	Sample	Sample	Spike	MSD	MSD				%Rec.	•	RPD
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Gasoline Range Organics	<49.9	U	996	874.8		mg/Kg		85	70 - 130	0	20
(GRO)-C6-C10											
Diesel Range Organics (Over	<49.9	U	996	1162		mg/Kg		117	70 - 130	2	20
C10-C28)											

MSD MSD Surrogate %Recovery Qualifier Limits 1-Chlorooctane 103 70 - 130 o-Terphenyl 93 70 - 130

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 3444

MD MD

	IVID	IVID						
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	1
(GRO)-C6-C10								
Diesel Range Organics (Over	<50.0	U	50.0	mg/Kg		05/25/21 08:49	05/25/21 23:09	1
C10-C28)								
Oll Range Organics (Over C28-C36)	<50.0	U	50.0	mg/Kg		05/25/21 08:49	05/25/21 23:09	1
Total TPH	<50.0	U	50.0	mg/Kg		05/25/21 08:49	05/25/21 23:09	1

	MB	MB					
Surrogate	%Recovery	Qualifier	Limits		Prepared	Analyzed	Dil Fac
1-Chlorooctane	112		70 - 130	0	5/25/21 08:49	05/25/21 23:09	1
o-Terphenyl	105		70 - 130	O	05/25/21 08:49	05/25/21 23:09	1

Lab Sample ID: LCS 880-3444/2-A

Matrix Analys

Sample ID: LCS 880-3444/2-A			Client Sample ID: Lab Control Sample
x: Solid			Prep Type: Total/NA
ysis Batch: 3440			Prep Batch: 3444
	Spike	LCS LCS	%Rec.

	Бріке	LCS	LCS			%Rec.	
Analyte	Added	Result	Qualifier Unit	D	%Rec	Limits	
Gasoline Range Organics	1000	853.2	mg/K	g	85	70 - 130	
(GRO)-C6-C10							
Diesel Range Organics (Over	1000	1022	mg/K	g	102	70 - 130	
C10-C28)							

	LCS	LCS	
Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane	114		70 - 130
o-Terphenyl	101		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: 8015B NM - Diesel Range Organics (DRO) (GC) (Continued)

Lab Sample ID: LCSD 880-3444/3-A

Matrix: Solid Analysis Batch: 3440 Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA Prep Batch: 3444

Spike LCSD LCSD RPD RPD Limit Analyte babbA Result Qualifier Unit D %Rec Limits Gasoline Range Organics 1000 890.1 mg/Kg 89 70 - 130 4 20 (GRO)-C6-C10 1000 Diesel Range Organics (Over 1015 mg/Kg 102 70 - 130 20

C10-C28)

	LCSD	LCSD	
Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane	119		70 - 130
o-Terphenyl	100		70 - 130

Client Sample ID: CS1-Surface

Prep Type: Total/NA

Prep Batch: 3444

Lab Sample ID: 890-716-1 MS **Matrix: Solid Analysis Batch: 3440**

Spike MS MS %Rec. Sample Sample Analyte Result Qualifier Added Result Qualifier Unit D %Rec Limits 996 70 - 130 Gasoline Range Organics <49.9 U 755.9 mg/Kg 76 (GRO)-C6-C10 Diesel Range Organics (Over <49.9 U 996 925.4 mg/Kg 93 70 - 130

C10-C28)

MS MS Qualifier Limits Surrogate %Recovery 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

%Rec. RPD Limit Limits RPD

Sample Sample Spike MSD MSD Analyte Result Qualifier Added Result Qualifier Unit %Rec <49.9 U 996 840.4 84 20 Gasoline Range Organics 70 - 130 11 mg/Kg (GRO)-C6-C10 996 1038 104 70 - 130 20 Diesel Range Organics (Over <49.9 L mg/Kg 11 C10-C28)

Matrix: Solid

Analysis Batch: 3442

MSD MSD Surrogate Qualifier Limits %Recovery 1-Chlorooctane 101 70 - 130 70 - 130 o-Terphenyl 80

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 3450

	MB	MR						
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	05/25/21 23:09	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0	mg/Kg		05/25/21 09:04	05/25/21 23:09	1
OII Range Organics (Over C28-C36)	<50.0	U	50.0	mg/Kg		05/25/21 09:04	05/25/21 23:09	1
Total TPH	<50.0	U	50.0	mg/Kg		05/25/21 09:04	05/25/21 23:09	1

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Lab Sample ID: MB 880-3450/1-A

Client: EOR/Ridgeway Arizona Oil Corp

Job ID: 890-716-1

Project/Site: Mizar 11 Fed Com 14

Lab Sample ID: MB 880-3450/1-A

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

Matrix: Solid

Analysis Batch: 3442

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 3450

MB MB

	Surrogate	%Recovery	Qualifier	Limits	Prepare	d Analyze	ed Dil Fac
	1-Chlorooctane	102		70 - 130	05/25/21 0	9:04 05/25/21 2	23:09 1
l	o-Terphenyl	102		70 - 130	05/25/21 0	9:04 05/25/21 2	23:09 1

Lab Sample ID: LCS 880-3450/2-A **Client Sample ID: Lab Control Sample**

Matrix: Solid

Analysis Batch: 3442

Prep Type: Total/NA Prep Batch: 3450

	Spike	LCS	LCS			%Rec.	
Analyte	Added	Result	Qualifier L	Unit D	%Rec	Limits	
Gasoline Range Organics	1000	889.8	n	mg/Kg	89	70 - 130	
(GRO)-C6-C10							
Diesel Range Organics (Over	1000	951.3	n	mg/Kg	95	70 - 130	
C10-C28)							

LCS LCS

Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane	103		70 - 130
o-Terphenyl	95		70 - 130

Lab Sample ID: LCSD 880-3450/3-A Client Sample ID: Lab Control Sample Dup

Matrix: Solid

Analysis Batch: 3442

Prep Type: Total/NA

Prep Batch: 3450

	Spike	LCSD	LCSD				%Rec.		RPD
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Gasoline Range Organics (GRO)-C6-C10	1000	830.7		mg/Kg		83	70 - 130	7	20
Diesel Range Organics (Over	1000	973.8		mg/Kg		97	70 - 130	2	20
C10-C28)									

LCSD LCSD %Recovery Qualifier Limits Surrogate 70 - 130 1-Chlorooctane 106 70 - 130 o-Terphenyl 97

Lab Sample ID: 890-716-21 MS Client Sample ID: CS11-Surface

Matrix: Solid

Analysis Batch: 3442

Prep Type: Total/NA

Prep Batch: 3450

	Sample	Sample	Spike	MS	MS				%Rec.		
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits		
Gasoline Range Organics	<49.9	U	996	767.9		mg/Kg		75	70 - 130		
(GRO)-C6-C10											
Diesel Range Organics (Over	<49.9	U	996	883.9		mg/Kg		89	70 - 130		
C10-C28)											

MS MS

Surrogate	%Recovery Qualifier	Limits
1-Chlorooctane	83	70 - 130
o-Terphenyl	70	70 - 130

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: 890-716-21 MSD

Matrix: Solid Analysis Batch: 3442 Client Sample ID: CS11-Surface Prep Type: Total/NA

Prep Batch: 3450

	Sample	Sample	Spike	MSD	MSD				%Rec.		RPD
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Gasoline Range Organics	<49.9	U	996	758.6		mg/Kg		74	70 - 130	1	20
(GRO)-C6-C10											
Diesel Range Organics (Over	<49.9	U	996	935.2		mg/Kg		94	70 - 130	6	20
C10-C28)											

MSD MSD

Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane	88		70 - 130
o-Terphenyl	74		70 - 130

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 3539

Lab Sample ID: MB 880-3539/1-A

Matrix: Solid

Analysis Batch: 3502

	MB	MB						
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics	<50.0	U	50.0	mg/Kg		05/26/21 14:55	05/26/21 22:25	1
(GRO)-C6-C10								
Diesel Range Organics (Over	<50.0	U	50.0	mg/Kg		05/26/21 14:55	05/26/21 22:25	1
C10-C28)								
Oll Range Organics (Over C28-C36)	<50.0	U	50.0	mg/Kg		05/26/21 14:55	05/26/21 22:25	1
Total TPH	<50.0	U	50.0	mg/Kg		05/26/21 14:55	05/26/21 22:25	1

MB MB

Surrogate	%Recovery Qualifie	er Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	93	70 - 130	05/26/21 14:55	05/26/21 22:25	1
o-Terphenyl	86	70 - 130	05/26/21 14:55	05/26/21 22:25	1

Lab Sample ID: LCS 880-3539/2-A **Client Sample ID: Lab Control Sample**

Matrix: Solid

Analysis Batch: 3502

		Prep Type: Total/NA Prep Batch: 3539
Spike	LCS LCS	%Rec.

	Spike	LUS	LUG				MCC.	
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits	
Gasoline Range Organics	1000	969.2		mg/Kg		97	70 - 130	
(GRO)-C6-C10								
Diesel Range Organics (Over	1000	1108		mg/Kg		111	70 - 130	
C10-C28)								

	LCS LCS	
Surrogate	%Recovery Qualifier	Limits
1-Chlorooctane	106	70 - 130
o-Terphenyl	87	70 - 130

Lab Sample ID: LCSD 880-3539/3-A Client Sample ID: Lab Control Sample Dup **Matrix: Solid** Prep Type: Total/NA

Analysis Batch: 3502

	Spike	LCSD LCSD					RPD		
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Gasoline Range Organics	1000	872.1		mg/Kg		87	70 - 130	11	20
(GRO)-C6-C10									
Diesel Range Organics (Over	1000	996.4		mg/Kg		100	70 - 130	11	20

C10-C28)

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Prep Batch: 3539

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)

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

%Recovery Qualifier Surrogate 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

Analysis Batch: 3502 Sample Sample MSD MSD RPD 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

MSD MSD %Recovery Qualifier Surrogate Limits 70 - 130 1-Chlorooctane 89 o-Terphenyl 70 - 130 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	D	%Rec	Limits	
Chloride	250	254.3		mg/Kg	_	102	90 - 110	

Client: EOR/Ridgeway Arizona Oil Corp Job ID: 890-716-1

Project/Site: Mizar 11 Fed Com 14

Method: 300.0 - Anions, Ion Chromatography (Continued)
--

Lab Sample ID: LCSD 880-3424/3-A Client Sample ID: Lab Control Sample Dup **Matrix: Solid Prep Type: Soluble**

Analysis Batch: 3485

Spike LCSD LCSD %Rec. RPD 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

Sample Sample Spike MS MS %Rec. Result Qualifier Added Analyte Result Qualifier Unit D %Rec Limits Chloride <5.04 ш 252 262.1 mg/Kg 102 90 - 110

Lab Sample ID: 890-716-1 MSD Client Sample ID: CS1-Surface **Prep Type: Soluble**

Matrix: Solid

Analysis Batch: 3485

MSD MSD %Rec. RPD Sample Sample Spike 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

Lab Sample ID: 890-716-11 MS Client Sample ID: CS6-Surface

Matrix: Solid

Analysis Batch: 3486

MS MS %Rec. Sample Sample Spike 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

Analysis Batch: 3486

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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

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Prep Type: Soluble

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

Job ID: 890-716-1

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: 890-716-21 MS Matrix: Solid

Client Sample ID: CS11-Surface **Prep Type: Soluble**

Analysis Batch: 3486

ı		Sample	Sample	Spike	MS	MS				%Rec.	
	Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	
l	Chloride	<4.95	U	248	253.6		mg/Kg		100	90 - 110	

Lab Sample ID: 890-716-21 MSD

Client Sample ID: CS11-Surface **Prep Type: Soluble**

Matrix: Solid

Analysis Batch: 3486

	Sample	Sample	Spike	MSD	MSD				%Rec.		RPD	
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit	
Chloride	<4.95	U	248	254.0		mg/Kg		101	90 - 110	0	20	

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 Qualific	er RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<5.00 U	5.00	mg/Kg			05/27/21 00:46	1

Lab Sample ID: LCS 880-3455/2-A

Client Sample ID: Lab Control Sample

Prep Type: Soluble

Matrix: Solid

Analysis Batch: 3533

	Spike	LCS	LCS				%Rec.	
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits	
Chloride	250	257.1		mg/Kg		103	90 - 110	

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	LUGD				MREC.		KFD	
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit	
Chloride	250	256.9		mg/Kg		103	90 - 110	0	20	

Lab Sample ID: 890-716-31 MS

Client Sample ID: CS16-Surface

Prep Type: Soluble

Analysis Batch: 3533

Matrix: Solid

	Sample	Sample	Spike	MS	MS				%Rec.	
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	
Chloride	<4.96	U	248	256.9		ma/Ka	_	102	90 - 110	

Lab Sample ID: 890-716-31 MSD

Client Sample ID: CS16-Surface

Prep Type: Soluble

Analysis Batch: 3533

Matrix: Solid

	Sample	Sample	Spike	MSD	MSD				%Rec.		RPD	
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit	
Chloride	<4.96	U	248	256.9		mg/Kg		102	90 - 110	0	20	

Lab Sample ID: 890-716-41 MS

Client Sample ID: CS21-Surface

Prep Type: Soluble

Matrix: Solid

Analysis Ratch: 3533

Alialysis battii. 3033										
	Sample	Sample	Spike	MS	MS				%Rec.	
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	
Chloride	18 4		250	272 7		ma/Ka	_	102	90 - 110	

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				%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

GC VOA

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 Batch
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 Batcl
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	

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 Batcl
890-716-1	CS1-Surface	Total/NA	Solid	8015B NM	344
890-716-2	CS1-1'	Total/NA	Solid	8015B NM	344
890-716-3	CS2-Surface	Total/NA	Solid	8015B NM	344
890-716-4	CS2-1'	Total/NA	Solid	8015B NM	3444
890-716-5	CS3-Surface	Total/NA	Solid	8015B NM	344
890-716-6	CS3-1'	Total/NA	Solid	8015B NM	344
890-716-7	CS4-Surface	Total/NA	Solid	8015B NM	344
890-716-8	CS4-1'	Total/NA	Solid	8015B NM	344
890-716-9	CS5-Surface	Total/NA	Solid	8015B NM	344
890-716-10	CS5-1'	Total/NA	Solid	8015B NM	344
890-716-11	CS6-Surface	Total/NA	Solid	8015B NM	344
890-716-12	CS6-1'	Total/NA	Solid	8015B NM	344
890-716-13	CS7-Surface	Total/NA	Solid	8015B NM	344
890-716-14	CS7-1'	Total/NA	Solid	8015B NM	344
890-716-15	CS8-Surface	Total/NA	Solid	8015B NM	344
890-716-16	CS8-1'	Total/NA	Solid	8015B NM	344
890-716-17	CS9-urface	Total/NA	Solid	8015B NM	344
890-716-18	CS9-1'	Total/NA	Solid	8015B NM	344
890-716-19	CS10-Surface	Total/NA	Solid	8015B NM	344
890-716-20	CS10-1'	Total/NA	Solid	8015B NM	344
MB 880-3444/1-A	Method Blank	Total/NA	Solid	8015B NM	344
LCS 880-3444/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	344
LCSD 880-3444/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	344
890-716-1 MS	CS1-Surface	Total/NA	Solid	8015B NM	344
890-716-1 MSD	CS1-Surface	Total/NA	Solid	8015B NM	344

Analysis Batch: 3442

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 Batcl
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

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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	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-716-1	CS1-Surface	Soluble	Solid	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 Batcl
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 Batch
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	3458
890-716-37	CS19-Surface	Soluble	Solid	300.0	345
890-716-38	CS19-1'	Soluble	Solid	300.0	3455
890-716-39	CS20-Surface	Soluble	Solid	300.0	3458
890-716-40	CS20-1'	Soluble	Solid	300.0	345
890-716-41	CS21-Surface	Soluble	Solid	300.0	3458
890-716-42	CS21-1'	Soluble	Solid	300.0	345
890-716-43	CS22-Surface	Soluble	Solid	300.0	345
890-716-44	CS22-1'	Soluble	Solid	300.0	3455
890-716-45	CS23-Surface	Soluble	Solid	300.0	345
890-716-46	CS23-1'	Soluble	Solid	300.0	345
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	345
890-716-31 MS	CS16-Surface	Soluble	Solid	300.0	345
890-716-31 MSD	CS16-Surface	Soluble	Solid	300.0	345
890-716-41 MS	CS21-Surface	Soluble	Solid	300.0	345
890-716-41 MSD	CS21-Surface	Soluble	Solid	300.0	345

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Job ID: 890-716-1

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

Lab Sample ID: 890-716-2

05/26/21 20:26 CH

Matrix: Solid

XEN MID

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

Client Sample ID: CS1-1'

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			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

CS2-Surface Lab Sample ID: 890-716-3
(21 00:00 Matrix: Solid

3485

	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	05/24/21 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

	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	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

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Lab Sample ID: 890-716-4

Matrix: Solid

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

Job ID: 890-716-1

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	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 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

Client Sample ID: CS3-1'

Date Collected: 05/21/21 00:00

Date Received: 05/21/21 13:48

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	Analysis	8021B		1	5 mL	5 mL	3386	05/25/21 00:55	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 02:40	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 21:10	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	Type	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 Project/Site: Mizar 11 Fed Com 14 Job ID: 890-716-1

Project/Site: Mizar 11 Fed Com 14

Client Sample ID: CS5-Surface

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

Lab Sample ID: 890-716-9

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	05/25/21 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		1			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	CH	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
Total/NA	Analysis	8021B		1	5 mL	5 mL	3386	05/25/21 02:17	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 04:04	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 21:30	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	Type	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

Lab Sample ID:	890-716-12	
	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

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

Job ID: 890-716-1

Client Sample ID: CS7-Surface

Date Collected: 05/21/21 00:00 Date Received: 05/21/21 13:48 Lab Sample ID: 890-716-13

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	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

Client Sample ID: CS7-1'

Date Collected: 05/21/21 00:00 Date Received: 05/21/21 13:48 Lab Sample ID: 890-716-14

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	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

Client Sample ID: CS8-Surface

Date Collected: 05/21/21 00:00

Date Received: 05/21/21 13:48

ab	Sam	ple	ID:	890-716-15
un	Ouiii	P. 0		000 / 10 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			4.95 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'

Date Collected: 05/21/21 00:00

Date Received: 05/21/21 13:48

Lab Sample ID	: 890-716-16	
	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	05/25/21 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

Client: EOR/Ridgeway Arizona Oil Corp

Project/Site: Mizar 11 Fed Com 14

Lab Sample ID: 890-716-17

Job ID: 890-716-1

Client Sample ID: CS9-urface 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			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	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 06:22	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

	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

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

Job ID: 890-716-1

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
Soluble	Analysis	300.0		1			3486	05/26/21 23:18	CH	XEN MID

Client Sample ID: CS11-1'

Date Collected: 05/21/21 00:00 Date Received: 05/21/21 13:48 Lab Sample ID: 890-716-22

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	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

Date Collected: 05/21/21 00:00 Date Received: 05/21/21 13:48 Lab Sample ID: 890-716-23

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	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

Date Received: 05/21/21 13:48

Lab Sample	ID: 890-716-24
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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			5.05 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

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**

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	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

Client Sample ID: CS13-1'

Date Collected: 05/21/21 00:00 Date Received: 05/21/21 13:48 Lab Sample ID: 890-716-26

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			4.95 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

Client Sample ID: CS14-Surface

Date Collected: 05/21/21 00:00 Date Received: 05/21/21 13:48 Lab Sample ID: 890-716-27

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'

Date Collected: 05/21/21 00:00

Date Received: 05/21/21 13:48

Lab	Sample	ID:	890-716-28	
			Matrix: Solid	

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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

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

Job ID: 890-716-1

Client Sample ID: CS15-Surface

Lab Sample ID: 890-716-29 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			4.99 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 01:57	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 03:43	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	05/27/21 00:16	CH	XEN MID

Client Sample ID: CS15-1'

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

Lab Sample ID: 890-716-30 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 8021B Total/NA 5 mL 3387 05/25/21 02:18 KL XEN MID Analysis 1 5 mL Total/NA 05/25/21 09:04 Prep 8015NM Prep 10.00 q 10 mL 3450 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

	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 00:0	00								Matrix: Solid
Date Received:	05/21/21 13:4	18								
	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
a.a		00045					0.4.40	0=10=101 1= 10	1.01	VEN 1415

Total/NA Analysis 8021B 1 5 ml 5 mL 3448 05/25/21 17:19 ΚI XFN MID Total/NA 8015NM Prep 10.03 g 3539 05/26/21 14:55 DM XEN MID Prep 10 mL 8015B NM Total/NA 3502 05/27/21 06:05 XEN MID Analysis AJ 1 Soluble Leach DI Leach 50 mL 3455 05/25/21 10:05 SC XEN MID 5 g 300.0 XEN MID Soluble Analysis 3533 05/27/21 01:15 CH

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

Job ID: 890-716-1

Client Sample ID: CS17-Surface

Lab Sample ID: 890-716-33

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			5.01 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

Lab Sample ID: 890-716-34

Client Sample ID: CS17-1' 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			5.00 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

Lab Sample ID: 890-716-35

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	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'

Lab Sample ID: 890-716-36

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	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 Project/Site: Mizar 11 Fed Com 14

Job ID: 890-716-1

Client Sample ID: CS19-Surface

Lab Sample ID: 890-716-37

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			5.03 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

Lab Sample ID: 890-716-38

Prepared

Client Sample ID: CS19-1' Date Collected: 05/21/21 00:00

Matrix: Solid

Date Received: 05/21/21 13:48

Batch

Batch

Analyst	Lab
KL	XEN MID
KL	XEN MID
DM	XEN MID
ΔΜ	YEN MID

Prep Type Туре Method Run Factor Amount Amount Number or Analyzed Total/NA Prep 5035 5.02 g 5 mL 3445 05/25/21 08:50 Total/NA 8021B Analysis 5 mL 5 mL 3448 05/25/21 19:22 1 Total/NA Prep 8015NM Prep 10.01 g 10 mL 05/25/21 09:04 3450 Total/NA 8015B NM Analysis 3442 05/26/21 07:14 XEN MID Soluble 50 mL 3455 Leach DI Leach 5.03 g 05/25/21 10:05 SC XEN MID 300.0 Soluble Analysis 1 3533 05/27/21 01:54 CH XEN MID

Initial

Final

Batch

Dil

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

	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'

Lab Sample ID: 890-716-40

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			5.04 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

Job ID: 890-716-1

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

	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	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

Client Sample ID: CS21-1' Lab Sample ID: 890-716-42

Initial

Amount

4.98 g

5 mL

5.01 a

5 mL

10.00 g

4.96 g

Final

Amount

5 mL

5 mL

5 mL

5 mL

10 mL

50 mL

3455

3533

Dil

1

1

Factor

Run

Date Collected: 05/21/21 00:00

Date Received: 05/21/21 13:48

Prep Type

Total/NA

Total/NA

Total/NA

Total/NA

Total/NA

Total/NA

Soluble

Soluble

Batch

Type

Prep

Prep

Prep

Analysis

Analysis

Analysis

Analysis

Leach

Batch

Method

5035

8021B

5035

8021B

8015NM Prep

8015B NM

DI Leach

300.0

Batch	Prepared		
Number	or Analyzed	Analyst	Lab
3389	05/24/21 13:00	MR	XEN MID
3388	05/25/21 07:15	MR	XEN MID
3457	05/25/21 10:23	MR	XEN MID
3460	05/25/21 22:45	MR	XEN MID
3429	05/24/21 16:09	DM	XEN MID
3438	05/25/21 21:06	AM	XEN MID

SC

05/25/21 10:05

05/27/21 02:23 CH

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

	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	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
Soluble	Analysis	300.0		1			3533	05/27/21 02:28	CH	XEN MID

Client Sample ID: CS22-1' Lab Sample ID: 890-716-44

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			5.02 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

Eurofins Xenco, Carlsbad

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Matrix: Solid

XEN MID

XEN MID

Matrix: Solid

Matrix: Solid

Client: EOR/Ridgeway Arizona Oil Corp

Job ID: 890-716-1

Project/Site: Mizar 11 Fed Com 14

Client Sample ID: CS22-1' Lab Sample ID: 890-716-44 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			5.03 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 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

Lab Sample ID: 890-716-45 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			4.99 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 08:16	MR	XEN MID
Total/NA	Prep	5035			5.06 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 00:02	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 22:11	AM	XEN MID
Soluble	Leach	DI Leach			5.05 g	50 mL	3455	05/25/21 10:05	SC	XEN MID
Soluble	Analysis	300.0		1			3533	05/27/21 02:48	CH	XEN MID

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

	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	3389	05/24/21 13:00	MR	XEN MID
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 MIC
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

Laboratory: Eurofins Xenco, Midland

Job ID: 890-716-1

Project/Site: Mizar 11 Fed Com 14

Unless otherwise noted, all analytes for this laboratory were covered under each accreditation/certification below.

Authority	Program	Identification Number	Expiration Date
Texas	NELAP	T104704400-20-21	06-30-21

The following analytes are included in this report, but the laboratory is not certified by the governing authority. This list may include analytes for which the agency does not offer certification.

Analysis Method	Prep Method	Matrix	Analyte	
8015B NM	8015NM Prep	Solid	Total TPH	
8021B	5035	Solid	Total BTEX	

Method Summary

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

30-7 10-1

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

9

10

11

13

Sample Summary

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

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Asset ID
390-716-1	CS1-Surface	Solid	05/21/21 00:00	05/21/21 13:48	
390-716-2	CS1-1'	Solid	05/21/21 00:00	05/21/21 13:48	
390-716-3	CS2-Surface	Solid	05/21/21 00:00	05/21/21 13:48	
390-716-4	CS2-1'	Solid	05/21/21 00:00	05/21/21 13:48	
390-716-5	CS3-Surface	Solid	05/21/21 00:00	05/21/21 13:48	
390-716-6	CS3-1'	Solid	05/21/21 00:00	05/21/21 13:48	
390-716-7	CS4-Surface	Solid	05/21/21 00:00	05/21/21 13:48	
390-716-8	CS4-1'	Solid	05/21/21 00:00	05/21/21 13:48	
90-716-9	CS5-Surface	Solid	05/21/21 00:00	05/21/21 13:48	
90-716-10	CS5-1'	Solid	05/21/21 00:00	05/21/21 13:48	
390-716-11	CS6-Surface	Solid	05/21/21 00:00	05/21/21 13:48	
90-716-12	CS6-1'	Solid	05/21/21 00:00	05/21/21 13:48	
90-716-13	CS7-Surface	Solid	05/21/21 00:00	05/21/21 13:48	
390-716-14	CS7-1'	Solid	05/21/21 00:00	05/21/21 13:48	
390-716-15	CS8-Surface	Solid	05/21/21 00:00	05/21/21 13:48	
390-716-16	CS8-1'	Solid	05/21/21 00:00	05/21/21 13:48	
390-716-17	CS9-urface	Solid	05/21/21 00:00	05/21/21 13:48	
390-716-18	CS9-1'	Solid	05/21/21 00:00	05/21/21 13:48	
390-716-19	CS10-Surface	Solid	05/21/21 00:00	05/21/21 13:48	
90-716-20	CS10-1'	Solid	05/21/21 00:00	05/21/21 13:48	
90-716-21	CS11-Surface	Solid	05/21/21 00:00	05/21/21 13:48	
90-716-22	CS11-1'	Solid	05/21/21 00:00	05/21/21 13:48	
90-716-23	CS12-Surface	Solid	05/21/21 00:00	05/21/21 13:48	
90-716-24	CS12-1'	Solid	05/21/21 00:00	05/21/21 13:48	
90-716-25	CS13-Surface	Solid	05/21/21 00:00	05/21/21 13:48	
90-716-26	CS13-1'	Solid	05/21/21 00:00	05/21/21 13:48	
90-716-27	CS14-Surface	Solid	05/21/21 00:00	05/21/21 13:48	
90-716-28	CS14-1'	Solid	05/21/21 00:00	05/21/21 13:48	
90-716-29	CS15-Surface	Solid	05/21/21 00:00	05/21/21 13:48	
90-716-30	CS15-1'	Solid	05/21/21 00:00	05/21/21 13:48	
90-716-31	CS16-Surface	Solid	05/21/21 00:00	05/21/21 13:48	
90-716-32	CS16-1'	Solid	05/21/21 00:00	05/21/21 13:48	
90-716-33	CS17-Surface	Solid	05/21/21 00:00	05/21/21 13:48	
390-716-34	CS17-1'	Solid	05/21/21 00:00	05/21/21 13:48	
90-716-35	CS18-Surface	Solid	05/21/21 00:00	05/21/21 13:48	
390-716-36	CS18-1'	Solid	05/21/21 00:00	05/21/21 13:48	
390-716-37	CS19-Surface	Solid	05/21/21 00:00	05/21/21 13:48	
90-716-38	CS19-1'	Solid	05/21/21 00:00	05/21/21 13:48	
90-716-39	CS20-Surface	Solid	05/21/21 00:00	05/21/21 13:48	
90-716-40	CS20-1'	Solid	05/21/21 00:00	05/21/21 13:48	
90-716-41	CS21-Surface	Solid	05/21/21 00:00	05/21/21 13:48	
90-716-42	CS21-1'	Solid	05/21/21 00:00	05/21/21 13:48	
90-716-43	CS22-Surface	Solid	05/21/21 00:00	05/21/21 13:48	
390-716-44	CS22-1'	Solid	05/21/21 00:00	05/21/21 13:48	
390-716-45	CS23-Surface	Solid	05/21/21 00:00	05/21/21 13:48	
390-716-46	CS23-1'	Solid	05/21/21 00:00	05/21/21 13:48	

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:	ork Order No:	
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Project Manager:	Tom B	nun	2		Bill to: (if differe	nt)	8	eve	n	Ene	797						Wo	ork O	rder C	Comments	
Company Name:	PIMA	Company Nam	e:					07			Pr	ogram:	UST/PS	T 🗌 P	RP[]	Brown	nfields RR0	Superfund 🗌			
Address:	1601 IV	Ten	ner St		Address:									St	ate of Pi	oject:					
City, State ZIP:	Hobbs				City, State ZIP:									Re	porting:	Level II	Lev	/el III [☐ PS	T/UST 🗌 TRR	RP Level IV
Phone:	,,,,,,		000.0.	Email:										De	eliverable	s: EDE			ADaP1	Γ □ Othe	er:
Project Name:	Parkway V	last	56101	Turr	Around	T						ANAL	YSIS RE	QUE	ST					Preserv	ative Codes
Project Number:	ruirway v	1601	0,00 /	Routine	Rush	Pres.			П	T	T									None: NO	DI Water: H₂O
Project Location:				Due Date:	<u> </u>	Code		_						+						Cool: Cool	MeOH: Me
Sampler's Name:					e day received by				<u> </u>	-				+	+-	+				HCL: HC	HNO ₃ : HN
PO #:					ceived by 4:30pm]	I	ı	1	1				H ₂ SO ₄ : H ₂	NaOH: Na
SAMPLE RECE	IPT Temp I	Blank:	Yes No	Wet Ice:	Yes No	meters		,				111								H₃PO₄: HP	
Samples Received In	ntact: Yes	No	Thermome	-	NIM-DO:			†	1			- 111		WH						NaHSO₄: NAE	
Cooler Custody Seal	ls: Yes No	N/A	Correction	Factor:	-0.2	_ <u>a</u>	14	N	1			- 111		MH			1			Na ₂ S ₂ O ₃ : NaS	-
Sample Custody Sea	als: Yes No	N/A	Temperatu	re Reading:	24.4		0,	K	1	7]			11111111111111111111111111111111111111	hain d	f Custo	dy	• '			Zn Acetate+N	
Total Containers:			Corrected	Temperature:	24.2		1	6	1			. 08	0-710 0							NaOH+Ascort	bic Acid: SAPC
Sample Ider	ntification	Matrix	Date Sampled	Time Sampled		# of Cont	,,	٧)										Sample	Comments
CS1-S	vrface	Soul	5/21/2	,	G				П					L							
CS1 -	1 1		1			1			Ш				_	\perp		↓					
CS2 -	Surface							Ш	Ц					\perp		 					
C52-1	1							Ш	Ш					\bot	_	-			<u> </u>		
C53-5	whose					11			Ц					\perp		↓			<u> </u>	<u> </u>	
C53-1								Ш	Ц					\perp					ļ		
CS4-5-	rface								Ц	1_	<u> </u>	1_1		\perp		<u> </u>			├		
C54-1'	1								\sqcup	1_		\sqcup		\perp					<u> </u>		
C35-5w	rface								\sqcup	4_				\perp		1_			 	 	
C55-11								oxed						\bot		1	L			<u> </u>	
Total 200.7 / 60	010 200.8 / 6	020:	8	RCRA 13P	PM Texas 11	AI S	b As	Ва	Be E	Cd (Ca Cr	Co C	u Fe P	b Mg	Mn M	lo Ni	K Se	Ag S	SiO ₂ I	Na Sr Ti Sn	U V <i>7</i> n
Circle Method(s) s					DI D 40-10- RD															/ 245.1 / 7470	

Notice: Signature of this document and relinquishment of samples constitutes a valid purchase order from client company to Eurofins Xenco, its affiliates and subcontractors. It assigns standard terms and conditions of service. Eurofins Xenco will be liable only for the cost of samples and shall not assume any responsibility for any losses or expenses incurred by the client if such losses are due to circumstances beyond the control of Eurofins Xenco. A minimum charge of \$85.00 will be applied to each project and a charge of \$5 for each sample submitted to Eurofins Xenco, but not analyzed. These terms will be enforced unless previously negotiated.

Relinquished by: (8ignature)	Received by: (Şignature)	Date/Time	Relinquished by: (Signature)	Received by: (Signature)	Date/Time
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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

Work Order No:	Work Order No:	
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www.xenco.com

Project Manager:	Bill to: (if different)													W	ork O	rder	Comments	
Project Manager: Company Name: Address:	Company Name:	-									_	ram: U of Pro		т [] F	'RP[]	Brow	nfields RRC	Superfund [
City, State ZIP:	City, State ZIP:										Repo	rting: L	evel II	Le	vel III [☐ PS	T/UST 🗌 TRRP	Level IV
Phone: Ema											Deliv	erables	EDI			ADaP	T Other:	
Project Name: Tu	rn Around	T						ANAL	YSIS	REC	UEST	r					Preserva	tive Codes
Project Number: Routine		res. ode															None: NO	DI Water: H₂O
Project Location: Due Date									ļ								Cool: Cool	MeOH: Me
	the day received by	\dashv			-	-				_							HCL: HC	HNO ₃ : HN
PO #: the lab, if r	eceived by 4:30pm	2			1						ļ					l	H₂S0₄: H₂	NaOH: Na
SAMPLE RECEIPT Temp Blank: Yes No Wet Ice:	Yes No	Parameters]]								H₃PO₄: HP	
Samples Received Intact: Yes No Thermometer ID:		arai	1		1				1								NaHSO₄: NABIS	
Cooler Custody Seals: Yes No N/A Correction Factor	٥	×	7	N	V												Na ₂ S ₂ O ₃ : NaSC	· 1
Sample Custody Seals: Tes No N/A Temperature Reading:			X	1	1 < 1						1						Zn Acetate+Nat	
Total Containers: Corrected Temperature	:		1	0	71	1			1		İ			1			NaOH+Ascorbio	Acid: SAPC
Sample Identification Matrix Date Sampled Sampled	Depth Grab/ #		' '														Sample (Comments
CSG-Surface Soil 5/21/21	61																	
CS6-11		Ш			Ш													
CS7-Surfuel		Ш									<u> </u>	<u>L_</u>						
cs7-1'		\prod									<u> </u>							
CS8-Sorture												<u> </u>				<u> </u>		
C38-11				\coprod	Ш													
CS9-Surface											<u> </u>							
CS9-1'																		
CS10-Surface					П											L		
c\$10-1'																		
Total 200.7 / 6010 200.8 / 6020: 8RCRA 13	PPM Texas 11 A	l St	As	Ва	Be B	Cd C	Ca Cr	Co C	u Fe	Pb	Mg N	/In Mo	Ni l	K Se	Ag S	iO ₂ 1	Na Sr TI Sn U	J 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
Veleaslean C.	(we auto	5-21-21 1348	2		
3			4		
5			6		

eurofins

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

Work	Order	No:	
AAOIV	Oluci	140.	

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Project Manager:		Bill to: (if different)														Wo	rk Ord	der Co	omments					
Company Name:					Company	Name:										Progr	am: U	ST/PST	P	RP B	rownf	ields 🗌 RRC	Superfund	1 🔲
Address:		1		/	Address:											State	of Pro	ject:						İ
City, State ZIP:	04		$\overline{}$		City, State	7IP·										Repoi	ting: L	evel II [Lev	el III 🗌	PST/	UST 🗌 TRR	P 📗 Level IV	
Phone:	*		/	Email:												Delive	rables	: EDD		Al	DaPT	☐ Othe	r:	
		-				-													=	_		-	-Aire Codes	三
Project Name:					Around	-	Pres.			_			ANA	YSIS	REQ	UEST		— Т		- T			ative Codes	
Project Number:				Routine	Rush		Code			-												lone: NO	DI Water: H	20
Project Location:				Due Date:						1		1										Cool: Cool	MeOH: Me	-
Sampler's Name:				TAT_starts th			-			\vdash		_							-	- 1	- 1	HCL: HC	HNO ₃ : HN	
PO #:				the lab, if re	ceived by 4:3	0pm	2		ł											- 1	- 1	H ₂ SO ₄ : H ₂	NaOH: Na	
SAMPLE RECEI	Temp	Blank:	Yes N	No Wet Ice:	Yes N	VO.	Parameters			1			l									H₃PO₄: HP		
Samples Received In	tact: Yes	No	Thermo	meter ID:			arar	\	7	1		ļ							Ì	1	1	NaHSO₄: NAB		
Cooler Custody Seals	: Yes N	O N/A	Correcti	on Factor	Ц		ď	17	11/1	1										l	- 1	Na ₂ S ₂ O ₃ : NaS		
Sample Custody Seal	s: Yes N	o N/A	Temper	ature Reading:	Ľ			V,	1	10,	'										-	Zn Acetate+Na		
Total Containers:			Correcte	ed Temperature:				X	0	0		ļ	ļ)	I	IaOH+Ascorb	oic Acid: SAPC	
Sample Ident	ification	Matrix	Date Sample			Grab/ Comp		V	1/2													Sample	Comments	
C511-S	orface	Soil	5/21/	21		6	1																	_
CSII-										Ш														_
CS12-5							\perp	\mathcal{L}																_
C512-						\prod	П		П	П														_
C813-3						\prod	Π		П	П	ΤΤ													_
CS13-						\top			П	П														
CS14-5	orface	\Box							П	П														
cs14-								\top		17														$_ _ oxed$
CS15-5.						T				\sqcap														
CS15-1						11		\top		\sqcap	†													
Total 200.7 / 60		6020:		8RCRA 13P	PM Texas	s 11	AL S	b As	Ba	Be B	Cd C	Ca Cr	Co	Cu Fe	Pb	Mg N	in Mo	Ni K	Se	Ag Si	O ₂ Na	a Sr Tl Sn	U V Zn	\Box
Circle Method(s) an			zed		PLP 6010:					_												245.1 / 7470		

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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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5			6		2020

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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.	xence	com.	Page	of
Project Manager:						Bill to: (if	differen	t)												Wo	ork O	rder C	Comments	
Company Name:		1	$\overline{}$			Company											Progra	ım: U	ST/PS	Т 🗌 Р	RP	Brown	nfields RRC	Superfund [
Address:		T	1			Address:										- 1	State	•						_
City, State ZIP:	QQ.			/		City, Stat	e ZIP:																	Level IV
Phone:	1.1				Email:												Delive	rables	EDD			ADaPT	Other:	
Project Name:			7		Turn	Around								ANAL	YSIS	REQ	UEST						Preserva	tive Codes
Project Number:		$\overline{/}$			Routine	Rush		Pres. Code															None: NO	DI Water: H ₂ O
Project Location:				Du	e Date:																		Cool: Cool	MeOH: Me
Sampler's Name:				TA	T starts the	day recei	ved by	_	-														HCL: HC	HNO ₃ : HN
PO#:				the	e lab, if rec	eived by 4	:30pm	2					l	İ					- !			į	H₂SO₄: H₂	NaOH: Na
SAMPLE RECEIPT	Temp I	Blank:	Yes	No V	Vet Ice:	/ Yes	No	ete					- 1							į			H₃PO₄: HP	
Samples Received Intact:	Yes	No	Therm	ometer IE)://	5		Paran	1	[l										NaHSO₄: NABIS	3
Cooler Custody Seals:	Yes No	N/A	Correc	tion Fact	or:	4/		E.					1						- 1				Na₂S₂O₃: NaSO	3
Sample Custody Seals:	Yes No	N/A	Tempe	erature Re	eading:	9.									ļ	:		l	}				Zn Acetate+Na0	DH: Zn
Total Containers:			Correc	ted Temp	perature:					ŀ								- (ļ				NaOH+Ascorbio	Acid: SAPC
Sample Identifica	ition	Matrix	Date		Time ampled	Depth	Grab/ Comp																Sample 0	Comments
CS16-5001	lace	50,1	5/21	/21			61	1																
CS16-1'								\coprod																
C517-Suf	acl								1															
C317-1'																							l	
CS18-50fo	ace																							
CS18-1'																								
CS19-5-1	nce	\prod					T																	
C319-11							T								j				1	}				
C520-Sun	lace							П																
CS20-11																								
Total 200.7 / 6010	200.8 / 6	020:		8RCF	RA 13PF	M Tex	as 11	AI :	Sb As	Ba E	Be B	Cd C	a Cr	Co C	Cu Fe	Pb	Mg M	n Mo	Ni K	Se	Ag S	SiO ₂ N	Na Sr TI Sn L	J V <i>7</i> n

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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		

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

Revised Date: 08/25/2020 Rev 2020 2

Environment Testing

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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:	

		Hobbs	, NM (575)	392-7550, Carls	bad, NM (575	5) 988-319	99		v	ww.xenc	o.com Pa	ge 5	of		
Project Manager:		Bill to: (if different							*		order Comm				
Company Name:		Company Name						Program	: UST/PST	PRP[Brownfields	RRC[] Superfund [
Address:		Address:		Pa	i			State of Project:							
City, State ZIP:		City, State ZIP:						Reporting: Level II Level III PST/UST TRRP Level IV							
Phone:							Deliverab	les: EDD		ADaPT 🗆	Other:				
Project Name:	Turr	Around				ANAL	YSIS REC	UEST			P	Preservative Codes			
Project Number:	Routine	Rush	Pres. Code								None:	NO	DI Water: H₂O		
Project Location:	Due Date:										Cool: C	Cool	MeOH: Me		
Sampler's Name:		e day received by			+	+			+-+		HCL: F	IC	HNO ₃ : HN		
PO #:		ceived by 4:30pm	ي		1 1						H ₂ S0 ₄ :	H ₂	NaOH: Na		
SAMPLE RECEIPT Temp Blank:	Yes No Wette:	Yes No	Parameters					<u> </u>	1 1	- 1	H₃PO₄	HP			
Samples Received Intact: Yes No	Thermometer ID:	4	Ta l			1 1					NaHS	D₄: NABIS			
Cooler Custody Seals: Yes No N/A	Correction Factor:	D	g.								Na ₂ S ₂ (O ₃ : NaSO	3		
Sample Custody Seals: Yee No N/A	Temperature Reading:			1 1	1 1	1 1					Zn Ace	tate+NaC	H: Zn		
Total Containers:	Corrected Temperature:				1 ([NaOH-	Ascorbic	Acid: SAPC		
Sample Identification Matrix	Date Time Sampled Sampled	Depth Grab/									s	ample C	omments		
CS21-Surface Soil	5/21/21	6	1												
CS21-1'															
CS 22 - Suface						7									
C522-1'			7												
CS23-Service				T											
csa3-1'															
			-												
Total 200.7 / 6010 200.8 / 6020:	9DCDA 12D	PM Texas 11	Al Ch A	o Po Po P	C4 C2 C	r Co C	u Eo Ph	Ma Mp	Mo Ni K	Se Ag	SiO. Na Sr	TI Sn II	V Zn		
		PLP 6010: 8RC									1631 / 245.1				
Circle Method(s) and Metal(s) to be analyz												, , , , , , , , , , , , , , , , , , , ,	· · · · · · · · · · · · · · · · · · ·		
Notice: Signature of this document and relinquishment of of service. Eurofins Xenco will be liable only for the cost of Eurofins Xenco. A minimum charge of \$85.00 will be a	of samples and shall not asse	ıme any responsibilit	y for any los	ses or expenses	incurred by th	ne client if s	such losses a	re due to circ	cumstances l	eyond the o	ontrol				
Relingaished by: (Signature)	Received by: (Signa	ature)	Dat	e/Time	Relinqu	uished b	y: (Signati	ıre)	Receiv	ed by: (S	ignature)		Date/Time		
eleasteurs ()	100 Cit		5:21.	21 134	2										

Eurofins Xenco, Carlsbad

1089 N Canal St. Carlsbad, NM 88220

Chain of Custody Record



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5/28/2021

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Released to Imaging: 1/24/2023 12:30:40 PM

Phone 5/5-988-3199 Fax: 5/5-988-3199																						
Client Information (Sub Contract Lab) Client Contact:	Sampler	PM /lor, H	M or, Holly							Carrier Tracking No(s)						COC No: 890-232.1						
Client Contact: Shipping/Receiving	Phone: E-Ma												State of Origin: New Mexico						Page: Page 1 of 6			
Company ⁻				11011		Accreditations Required (See note)								AGAN IAIGYIOO					Job#:			
Eurofins Xenco Address.	IDua Data Danuari	- 4				NELAP - Texas 890-716-1											***************************************					
1211 W Florida Ave, ,	Due Date Request 5/27/2021	eu							Α	naly	sis	Req	ues	ted					Preservation Code			
City Midland	TAT Requested (d	ays)				N	T	T	T	T		İ	T		T		T		A HCL B NaOH	M - Hexane N - None		
State, Zip:																			C - Zn Acetate D - Nitric Acid	O AsNaO2 P Na2O4S		
TX, 79701																				Q Na2SO3		
Phone ⁻ 432-704-5440(Tel)	PO#							Ħ											G Amchlor	R - Na2S2O3 S H2SO4 T TSP Dodecahydrati		
Email	WO #:				ON NO	١	Chloric	Pp Full										v	l Ice J DIWater	U - Acetone V MCAA		
Project Name: Mızar 11 Fed Com 14	Project #: 89000051				اقًا	۶ ×	잘	1	İ									ine		W pH 4-5 Z other (specify)		
Site:	SSOW#:			·	뷥	(Yes c	🖔	N N										containers	Other:	· · · · · · · · · · · · · · · · · · ·		
						2 3	Calc 80/Di		Calc 8D/DI 3016N		8015				1					7		
Sample Identification - Client ID (Lab ID)	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water S=solid, O=waste/oli, BT=Tissue, A=Air	Field Filtered	Perform MS/N 8021B/6036FP	300_ORGFM_28D/DI_LEACH Chloride	8015MOD_NM/8015NM_S_Prep Fuil	TTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTT									Total Number	Special Inc	tructions/Note:		
		><	COMPANIES CONTRACTOR C	ation Code:	첳	٦					N	S-Mary	rir sparne		Sectoral Sector	roman en		Ż	Special IIIs	tructions/Note.		
CS1-Surface (890-716-1)	5/21/21	Mountain		Solid	Ħ	X	×	Х	N turniba	B 3. a	a community	[manasa]	manyan ye		35			1		and the same of a second to the second to		
CS1-1' (890-716-2)	5/21/21	Mountain		Solid	11	×	×	х		1							1	1				
CS2-Surface (890-716-3)	5/21/21	Mountain		Solid	Π	×	×	x										1				
CS2-1' (890-716-4)	5/21/21	Mountain		Solid	П	X	×	х										1				
CS3-Surface (890-716-5)	5/21/21	Mountain		Solid	П	×	×	х										1				
CS3-1' (890-716-6)	5/21/21	Mountain		Solid	\coprod	X	×	х										1				
CS4-Surface (890-716-7)	5/21/21	Mountain		Solid		х	X	х										1				
CS4-1' (890-716-8)	5/21/21	Mountain		Solid	Ш	X	X	x										1				
CS5-Surface (890-716-9)	5/21/21	Mountain		Solid	Ш	x	X	x										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 LLC attention immediately If all requested accreditations are current to date ret	peing analyzed the s	samoles must h	ne shinned ha	ck to the Furnti	ine Xei	nco III	`lahars	aton, c	t labora or othe	atories er instr	s. This ruction:	s samp s will b	le shi e pro	pment vided.	is fon Any o	warded change	under s to acc	chain-c credital	of-custody If the laboration status should be br	atory does not currently ought to Eurofins Xenc		
Possible Hazard Identification					\Box	Samp	le Dis	pos	al (A	fee	may	be a	sses	sed	if sa	mples	are i	retain	ned longer than 1	month)		
Unconfirmed							Retur	n To	Clie	nt		\Box_{D}	ispo.	sal B	y Lal	b .] Arci	hive For	Months		
Deliverable Requested I II III IV Other (specify)	Primary Deliver	able Rank	2			Specia	al Insti	ructio	ons/C	QC R	equir	emen	its				······					
Empty Kit Relinquished by		Date			Tim			L		1	201			Metho		Shipmer						
Relinquished by 621	Date/Time:			Company		B	eived	Ph	U			The state of the s				Date	me W	1-21	Millam	Company		
Relinquished by:	Date/Time:			Company		Re	ceived	by.			·					Date/Ti	me [.]		<u>,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,</u>	Company		
Relinquished by	Date/Time:			Company		Rei	Received by							Date/Time ⁻				Company				
Custody Seals Intact Custody Seal No Δ Yes Δ No				L		Со	oler Te	mpera	ature(s	s)°C a	ind Ott	ner Re	marks	S						L		

Eurofins Xenco, Carlsbad

1089 N Canal St. Carlsbad, NM 88220

Chain of Custody Record

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Environment Testing America 5/28/2021

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Phone 575-988-3199 Fax: 575-988-3199																			,	America	
Client Information (Sub Contract Lab)	Sampler -				PM vlor. F	M Carr						Carrier Tracking No(s)						COC No: 890-232 3			
Client Contact:	Phone ⁻			E-M		State of Orig)rigin:					Page			
Shipping/Receiving Company				hol		taylor@eurofinset.com New Mexico							exico					Page 3 of 6			
Eurofins Xenco						Accreditations Required (See note) NELAP - Texas 890-716-1															
Address 1211 W Florida Ave	Due Date Reques 5/27/2021	Oue Date Requested																	Preservation Code	S	
City	TAT Requested (d	avs).				~~~		T	AI	nalysi	s K	eque	stec	1				20000000		M - Hexane	į
Midland]																			N None O - AsNaO2	
State, Zip: TX, 79701																			D - Nitric Acid	P Na2O4S Q - Na2SO3	
Phone: 432-704-5440(Tel)	PO #:						<u>.</u>	Ӗ											G - Amchlor	R Na2S2O3 S H2SO4	
Email	WO #:				၂원		lo i	Full TPH												T - TSP Dodecahı U Acetone	ydrate
Project Name:	Project #:				اۋاـ	2	5	Prep					1					10		V MCAA W pH 4-5	
Mizar 11 Fed Com 14	89000051				ΙŠΙ	្តីដ្ឋ	EAC	S										E		Z other (specify)	,
Site:	SSOW#:				ᄀ림	5 اچ	1	N.S										containers	Other [.]		
			<u> </u>	1	- 2	ğ 5	28D/	/801			ı										
Sample Identification - Client ID (Lab ID)	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water S=solid, O=waste/oil, BT=Tissue, A=Ali	Field Filters	Perform MS/MSD (Yes o 8021B/6036FP_Calc BTEX	300_ORGFM_28D/DI_LEACH Chloride	8015MOD_NM/8015NM_S_										Total Number of	Snacial Inc	tructions/Note	0.
		><		ation Code:		XI T						-	100			(**40*02*)		Ż	Opeciarins	i actions/Not	3.
CS10-Surface (890-716-19)	5/21/21	Mountain		Solid	П	X	x	x	84. stslS4.d	Section of the	dell'iso		A Stronger and the Co	nii saasaa iibi	<u> </u>	Company No.	K	n			Andreas St. May St.
CS10-1' (890-716-20)	5/21/21	Mountain		Solid	TT	X	×	x			\dagger	+		T	<u> </u>		I	1			***************************************
CS11-Surface (890-716-21)	5/21/21	Mountain		Solid	\prod	T _x	×	x				\top	T	1				1			
CS11-1' (890-716-22)	5/21/21	Mountain		Solid	Π	X	×	X					ļ				T	1			
CS12-Surface (890-716-23)	5/21/21	Mountain		Solid	Π	×	×	Х			T	1		T			 	1			
CS12-1' (890-716-24)	5/21/21	Mountain		Solid	П	х	×	x									1	1			***************************************
CS13-Surface (890-716-25)	5/21/21	Mountain		Solid	П	х	×	х										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	Ш	x	x	х										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 LLC attention immediately If all requested accreditations are current to date ret	places the ownershi being analyzed the urn the signed Chain	p of method ar samples must b of Custody atte	nalyte & accre be shipped ba esting to said	ditation compli ck to the Eurof complicance to	iance u ins Xer Eurofi	pon out nco LLC ins Xend	subcor labora co LLC	ntract i itory o	labora r other	tories. T	his sa ons w	imple s vill be p	hipmei ovided	nt is fo d Any	rwarde chan	ed un ges to	der ch	nain-o editati	of-custody If the laboration status should be bro	tory does not curr ought to Eurofins)	ently Xenco
Possible Hazard Identification					1:	Sampl	e Dis	posa	i (A	fee m	av b	2 255	SSAC	d if s	amni	es a	re re	tain	ed longer than 1	nonth)	——
Unconfirmed							Returi							By La		[ive For	Months	
Deliverable Requested I II III IV Other (specify)	Primary Deliver	able Rank.	2							C Req	uirer	nents	oour .	<i></i>	·~			711011	WC T OF	_ MOIRIS	
Empty Kit Relinquished by		Date		***************************************	Tim	ie.	/	/		//		1	Meti	hod of	Shipm	ent:					
Relinquished by Giz 1, 2	Date/Time:			Company		20	eived	1/10	1)	TAIL					Date	Time	U-1	2.1	(0:00 m)	Company	
Relinquished by	Date/Time:			Company		Rec	Soved	by:	<u></u>	e significant de la constant de la c	L. E.			***************************************		Time		<u> </u>	W.CO.T.	Company	
Relinquished by	Date/Time:			Company		Red	eived I	by [.]			************				Date	Time	ŗ			Company	
Custody Seals Intact Custody Seal No			······································	L		Cod	oler Ter	npera	ture(s)	°C and	Other	Remar	ks		1				l		

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	

Eurofins Xenco, Carlsbad

Released to Imaging: 1/24/2023 12:30:40 PM

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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	

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<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 172038

CONDITIONS

Operator:	OGRID:
DEVON ENERGY PRODUCTION COMPANY, LP	6137
333 West Sheridan Ave.	Action Number:
Oklahoma City, OK 73102	172038
	Action Type:
	[C-141] Release Corrective Action (C-141)

CONDITIONS

Created B	y Condition	Condition Date
amaxw	None None	1/24/2023