

Incident ID	NAPP2209759646
District RP	
Facility ID	
Application ID	

Closure

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

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

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

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

Printed Name: Connor Walker Title: Sr. Engineer
 Signature:  Date: 46 6/17/2022
 email: cwalker@enrnewbome.com Telephone: 806-202-5281

OCD Only

Received by: Robert Hamlet Date: 10/26/2022

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

Closure Approved by: Robert Hamlet Date: 10/26/2022

Printed Name: Robert Hamlet Title: Environmental Specialist - Advanced

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

State of New Mexico
Energy Minerals and Natural
Resources Department

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

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

Incident ID	
District RP	
Facility ID	
Application ID	

Release Notification

Responsible Party

Responsible Party	Mewbourne Oil Company	OGRID	14744
Contact Name	Connor Walker	Contact Telephone	806-202-5281
Contact email	cwalker@mewbourne.com	Incident # (assigned by OCD)	nAPP2209759646
Contact mailing address	4801 Business Park Blvd, Hobbs, NM 88240		

Location of Release Source

Latitude 32.519058 _____ Longitude -104.221201 _____
(NAD 83 in decimal degrees to 5 decimal places)

Site Name	Roscoe 6 B3AD Fed Com #1H	Site Type	Pipeline
Date Release Discovered	3/23/2022	API# (if applicable)	

Unit Letter	Section	Township	Range	County
H	6	21S	27E	Eddy

Surface Owner: State Federal Tribal Private (Name: M&W Water Sales _____)

Nature and Volume of Release

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

<input checked="" type="checkbox"/> Crude Oil	Volume Released (bbls) 7	Volume Recovered (bbls) 0
<input checked="" type="checkbox"/> Produced Water	Volume Released (bbls) 16	Volume Recovered (bbls) 0
	Is the concentration of dissolved chloride in the produced water >10,000 mg/l?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
<input type="checkbox"/> Condensate	Volume Released (bbls)	Volume Recovered (bbls)
<input type="checkbox"/> Natural Gas	Volume Released (Mcf)	Volume Recovered (Mcf)
<input type="checkbox"/> Other (describe)	Volume/Weight Released (provide units)	Volume/Weight Recovered (provide units)

Cause of Release

A dump valve on the separation equipment failed causing fluid to be released through a relief valve.

State of New Mexico
Oil Conservation Division

Incident ID	
District RP	
Facility ID	
Application ID	

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

Initial Response

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

<input checked="" type="checkbox"/> The source of the release has been stopped. <input checked="" type="checkbox"/> The impacted area has been secured to protect human health and the environment. <input checked="" type="checkbox"/> Released materials have been contained via the use of berms or dikes, absorbent pads, or other containment devices. <input checked="" type="checkbox"/> All free liquids and recoverable materials have been removed and managed appropriately.
If all the actions described above have <u>not</u> been undertaken, explain why:
Per 19.15.29.8 B. (4) NMAC the responsible party may commence remediation immediately after discovery of a release. If remediation has begun, please attach a narrative of actions to date. If remedial efforts have been successfully completed or if the release occurred within a lined containment area (see 19.15.29.11(A)(5)(a) NMAC), please attach all information needed for closure evaluation.
I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to OCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the OCD does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment. In addition, OCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations.
Printed Name: <u>Connor Walker</u> Title: <u>Sr. Engineer</u>
Signature:  Date: <u>3/29/2022</u>
email: <u>cwalker@mewbourne.com</u> Telephone: <u>806-202-5281</u>
<u>OCD Only</u> Received by: _____ Date: _____



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

April 25th, 2022

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

Bureau of Land Management
 620 East Green Street
 Carlsbad, NM 88220

Re: Site Assessment, Remediation, and Closure Report
Roscoe 6 B3AD Fed Com 1H
API No. 30-015-43168
GPS: Latitude 32.519058 Longitude -104.221201
UL "H" Sec. 6, T21S, R27E
Eddy County, NM
NMOCD Ref. No. NAPP2209759646

Mewbourne Oil Company (Mewbourne) has contracted Pima Environmental Services, LLC. (Pima) to perform a spill assessment, remediation, and submit this closure report for a crude oil release that occurred at the Roscoe 6 B3AD Fed Com 1H (Roscoe). The initial C-141 was submitted on March 29th, 2022 (Appendix C). This incident was assigned Incident ID NAPP2209759646, by the New Mexico Oil Conservation Division (NMOCD).

Site Characterization

The Roscoe is located approximately four (4) miles North of Carlsbad, NM. This spill site is in Unit H, Section 6, Township 21S, Range 27E, Latitude 32.519058 Longitude -104.221201, Eddy County, NM. Figure 1 references a Location Map.

Per the New Mexico Bureau of Geology and Mineral Resources, the geology in this area is made up of scattered lacustrine, playa, and alluvial deposits of the Tahoka, Double Tanks, Tule, Blanco, Blackwater Draw, and Gatuna Formations, the latter of which may be Pliocene at base; outcrops, however, are basically Quaternary deposits. The soil in this area is made up of Tonuco-Berino loamy sands, 0 to 5 percent slopes, according to the United States Department of Agriculture Natural Resources Conservation Service soil survey (Appendix B). The drainage courses in this area are well drained. There is a medium potential for karst geology to be present around the Roscoe (Figure 3).

According to the New Mexico Office of the State Engineer, depth to the nearest groundwater in this area is 175 feet below grade surface (BGS). According to the United States Geological Survey (USGS), the nearest groundwater in this area is 193 feet BGS. The closest waterway is Lake Avalon located approximately 1.52 miles to the east of this location. See Appendix A for referenced water surveys.

Table 1 – Closure criteria for soils impacted by a release – NMAC 19.15.29					
Depth to Groundwater (Appendix A)	Constituent & Limits				
	Chlorides	Total TPH	GRO+DRO	BTEX	Benzene
<50'	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

NAPP2209759646: On March 23rd, 2022, A dump valve on the separation equipment failed causing fluid to be release through a relief valve. The total volume of fluid released was calculated to be approximately 7 barrels (bbls) of crude oil and approximately 16 bbls of produced water. No fluid was able to be recovered.

Site Assessment and Soil Sampling Results

On March 25th, 2022, Pima Environmental mobilized personnel to the site to assess the area. We sampled the affected area in the pasture. Laboratory results of this sampling event can be found in the following data table. A Site Map can be found in Figure 4.

3-25-22 Soil Sample Results

NMOCD Table 1 Closure Criteria 19.15.29 NMAC - Depth to GW is >100'								
MEWBOURNE OIL - Roscoe 6 B3AD Federal Com #1H								
Date: 3/25/2022		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
S1	Surf	339	4.98	5790	18100	2700	26590	112
	2'	ND	ND	ND	19.6	ND	19.6	48
S2	Surf	13.7	ND	238	7540	1290	9068	32
	2'	ND	ND	ND	28.1	ND	28.1	16
S3	Surf	467	7.34	7980	29500	4360	41840	32
	2'	ND	ND	ND	43.7	ND	43.7	16
S4	Surf	31.4	ND	565	13300	2040	15905	64
	2'	ND	ND	ND	10.5	ND	10.5	32
S5	Surf	3.71	ND	40.5	3510	687	4237.5	ND
	2'	ND	ND	ND	60.1	ND	60.1	64
S6	Surf	1.19	ND	37.8	3400	651	4088.8	32
	2'	ND	ND	ND	ND	ND	0	32
SW 1	Surf	ND	ND	ND	ND	ND	0	16
SW 2	Surf	ND	ND	ND	ND	ND	0	32
SW 3	Surf	ND	ND	ND	ND	ND	0	32
SW 4	Surf	ND	ND	ND	ND	ND	0	16
SW 5	Surf	ND	ND	ND	ND	ND	0	16

ND- Analyte Not Detected

3-31-22 Soil Sample Results

NMOCD Table 1 Closure Criteria 19.15.29 NMAC - Depth to GW is >100'								
MEWBOURNE OIL - Roscoe 6 B3AD Federal Com #1H								
Date: 3/31/2022		NM Approved Laboratory Results						
Sample ID	Depth (BGS)	BTEX mg/kg	Benzene mg/kg	GRO mg/kg	DRO mg/kg	MRO mg/kg	Total TPH mg/kg	Cl mg/kg
BG-1	0-6"	ND	ND	ND	ND	ND	0	48
BG-2	0-6"	ND	ND	ND	ND	ND	0	32

ND- Analyte Not Detected

Remediation Activities

On April 12th, 2022, Pima mobilized personnel and equipment to conduct remedial activities. We excavated the contaminated area to 1-foot BGS. Bottom and sidewall composite samples were obtained to ensure that the horizontal and vertical extents of the contamination had been removed. Photographic documentation can be found in Appendix D.

On April 14th, 2022, after sending a 48-hour notification, Pima returned to the site to collect confirmation samples of the excavated area. The results of this sampling event can be found in the following data table.

4-14-22 Confirmation Soil Sample Results

Mewbourne- Roscoe 6 B3AD Fed Com 1H								
Date 4-14-22		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
CSW-1	1'	ND	ND	ND	403	131	534	48
CSW-2	1'	ND	ND	ND	ND	ND	0	48
CSW-3	1'	ND	ND	ND	ND	ND	0	48
CSW-4	1'	ND	ND	ND	ND	ND	0	32
CSW-5	1'	ND	ND	ND	ND	ND	0	16
CSW-6	1'	ND	ND	ND	ND	ND	0	32
CSW-7	1'	ND	ND	ND	ND	ND	0	32
CSW-8	1'	ND	ND	ND	ND	ND	0	0
CS-1	1'	ND	ND	ND	225	67.8	292.8	16
CS-2	1'	ND	ND	ND	160	50.5	210.5	32
CS-3	1'	ND	ND	ND	128	37.9	165.9	16
CS-4	1'	ND	ND	ND	183	57.2	240.2	32
CS-5	1'	ND	ND	ND	145	42.7	187.7	16
CS-6	1'	ND	ND	ND	269	71.2	340.2	32
CS-7	1'	ND	ND	ND	296	79.5	375.5	32
CS-8	1'	ND	ND	ND	170	44	214	32
CS-9	1'	ND	ND	ND	ND	ND	0	16
CS-10	1'	ND	ND	ND	175	45.1	220.1	16
CS-11	1'	ND	ND	ND	168	41.4	209.4	ND
CS-12	1'	ND	ND	ND	ND	ND	0	ND
CS-13	1'	ND	ND	ND	ND	ND	0	ND
CS-14	1'	ND	ND	ND	416	123	539	ND
CS-15	1'	ND	ND	ND	190	56.6	246.6	32
CS-16	1'	ND	ND	ND	ND	13.3	13.3	ND
CS-17	1'	ND	ND	ND	277	82.9	359.9	16
CS-18	1'	ND	ND	ND	ND	ND	0	16
CS-19	1'	ND	ND	ND	276	81.4	357.4	32
CS-20	1'	ND	ND	ND	ND	ND	0	ND
CS-21	1'	ND	ND	ND	197	62	259	ND
CS-22	1'	ND	ND	ND	223	75.5	298.5	ND
CS-23	1'	ND	ND	ND	323	98.7	421.7	ND

ND- Analyte Not Detected

On April 28th, 2022, Pima returned to the site to further excavate and confirm the contaminated areas. Laboratory results of this sampling event can be found in the following data table. Photographic documentation can be found in Appendix D.

4-28-22 Confirmation Soil Sample Results

NMOCD Table 1 Closure Criteria 19.15.29 NMAC 51-100'								
Mewbourne- Roscoe 6 B3AD Fed Com 1H								
Date 4-28-22		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
CSW-1	1.5'	ND	ND	ND	ND	ND	0	ND
CSW-8	1.5'	ND	ND	ND	ND	ND	0	ND
CS-1	1.5'	ND	ND	ND	258	85.5	343.5	ND
CS-1	2'	ND	ND	ND	ND	ND	0	ND
CS-2	1.5'	ND	ND	ND	296	91.4	387.4	16
CS-2	2'	ND	ND	ND	ND	ND	0	ND
CS-3	1.5'	ND	ND	ND	384	101	485	16
CS-3	2'	ND	ND	ND	ND	ND	0	ND
CS-4	1.5'	ND	ND	ND	701	176	877	32
CS-4	2'	ND	ND	ND	ND	ND	0	ND
CS-5	1.5'	ND	ND	ND	809	218	1027	ND
CS-5	2'	ND	ND	ND	ND	ND	0	ND
CS-6	1.5'	ND	ND	ND	802	200	1002	ND
CS-6	2'	ND	ND	ND	ND	ND	0	ND
CS-7	1.5'	ND	ND	ND	696	179	875	32
CS-7	2'	ND	ND	ND	ND	ND	0	ND
CS-8	1.5'	ND	ND	ND	15.5	12.4	27.9	16
CS-10	1.5'	ND	ND	ND	149	49.5	198.5	16
CS-10	2'	ND	ND	ND	ND	ND	0	ND
CS-11	1.5'	ND	ND	ND	ND	ND	0	ND
CS-14	1.5'	ND	ND	ND	180	65.2	245.2	32
CS-14	2'	ND	ND	ND	ND	ND	0	ND
CS-17	1.5'	ND	ND	ND	ND	ND	0	16
CS-19	1.5'	ND	ND	ND	ND	ND	0	ND
CS-21	1.5'	ND	ND	ND	ND	ND	0	ND
CS-22	1.5'	ND	ND	ND	ND	ND	0	ND
CS-23	1.5'	ND	ND	ND	15.1	ND	15.1	ND

ND- Analyte Not Detected

Complete Laboratory reports can be found in Appendix E.

Based on the sample results, the bottom and sidewalls were below NMOCD Closure Criteria 19.15.29 NMAC. The contaminated material was transported to R360 Hobbs Transportation Facility, an NMOCD approved disposal site. The excavation was then backfilled with clean like material, machine compacted and contoured to match the surrounding terrain. A Confirmation Sample Map can be found in Figure 5.

Closure Request

After careful review, Pima requests that this incident, NAPP2209759646 be closed. Mewbourne 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 Gio Gomez at 806-782-1151 or gio@pimaoil.com.

Respectfully,

Gio Gomez

Gio Gomez
Environmental Project Manager
Pima Environmental Services, LLC

Attachments

Figures:

- 1- Location Map
- 2- Topographic Map
- 3- Karst Map
- 4- Site Map
- 5- 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



Pima Environmental Services

Figures:

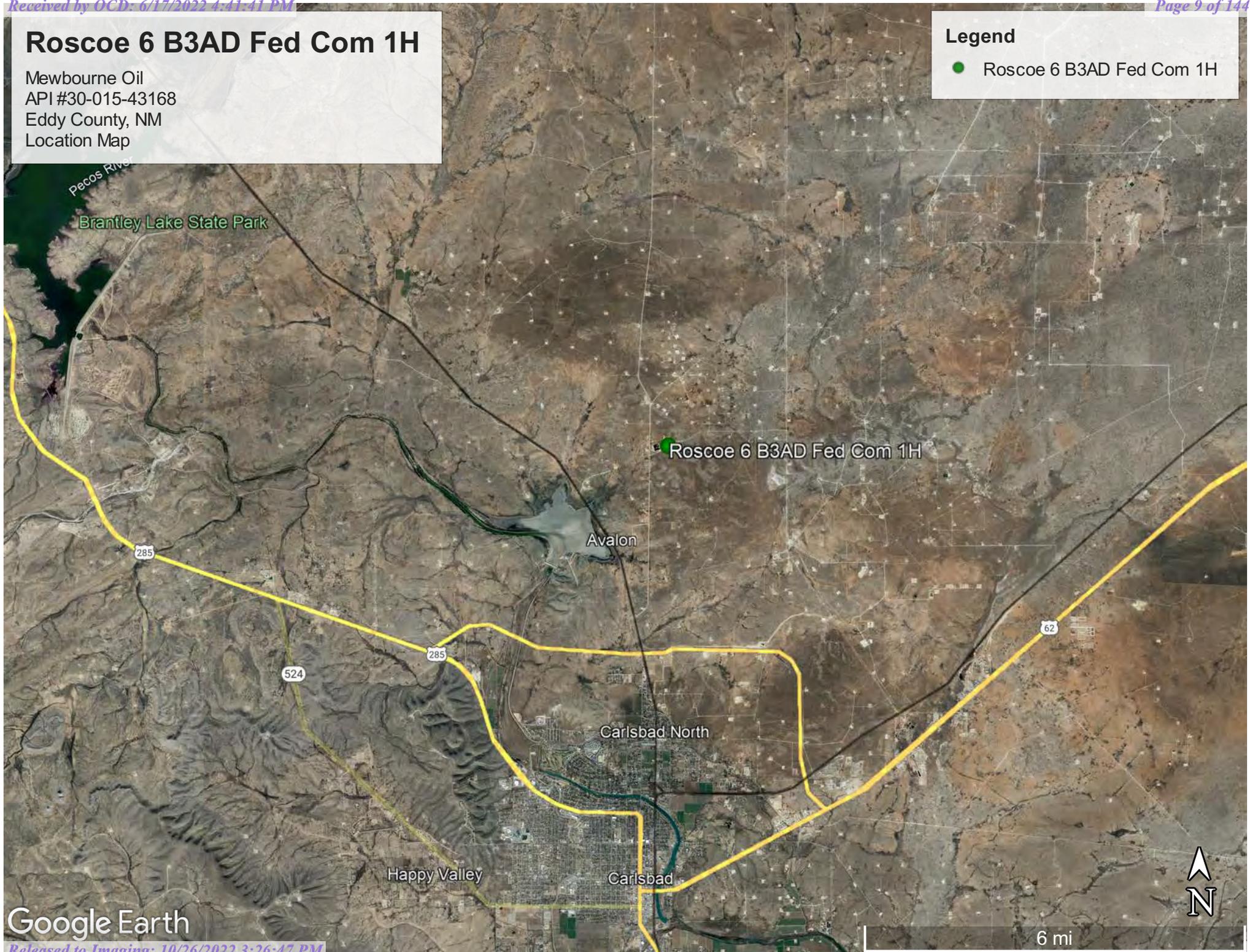
- 1 - Location Map
- 2 - Topographic Map
- 3 - Karst Map
- 4 - Site Map
- 5 – Confirmation Site Map

Roscoe 6 B3AD Fed Com 1H

Mewbourne Oil
API #30-015-43168
Eddy County, NM
Location Map

Legend

- Roscoe 6 B3AD Fed Com 1H

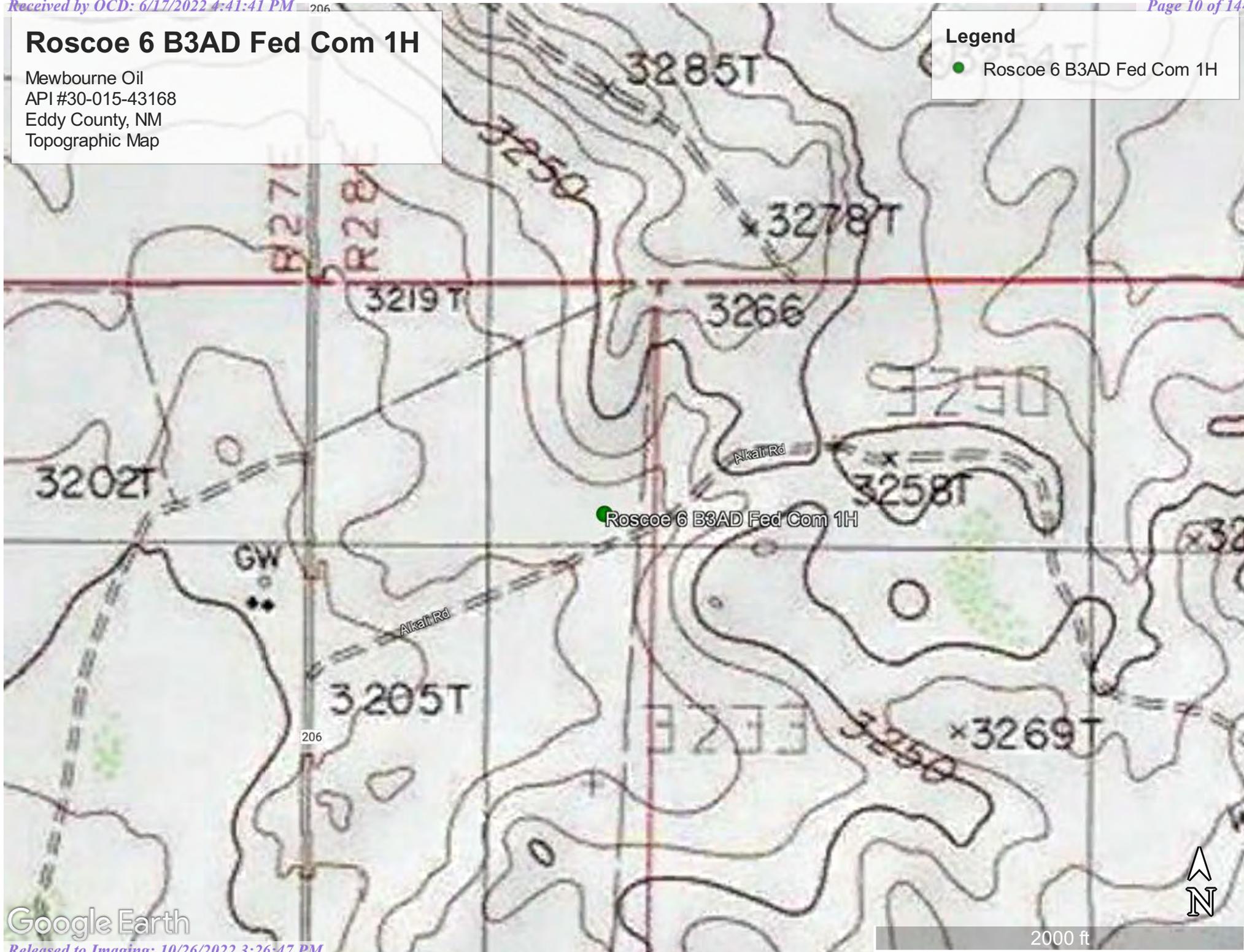


Roscoe 6 B3AD Fed Com 1H

Mewbourne Oil
API #30-015-43168
Eddy County, NM
Topographic Map

Legend

- Roscoe 6 B3AD Fed Com 1H

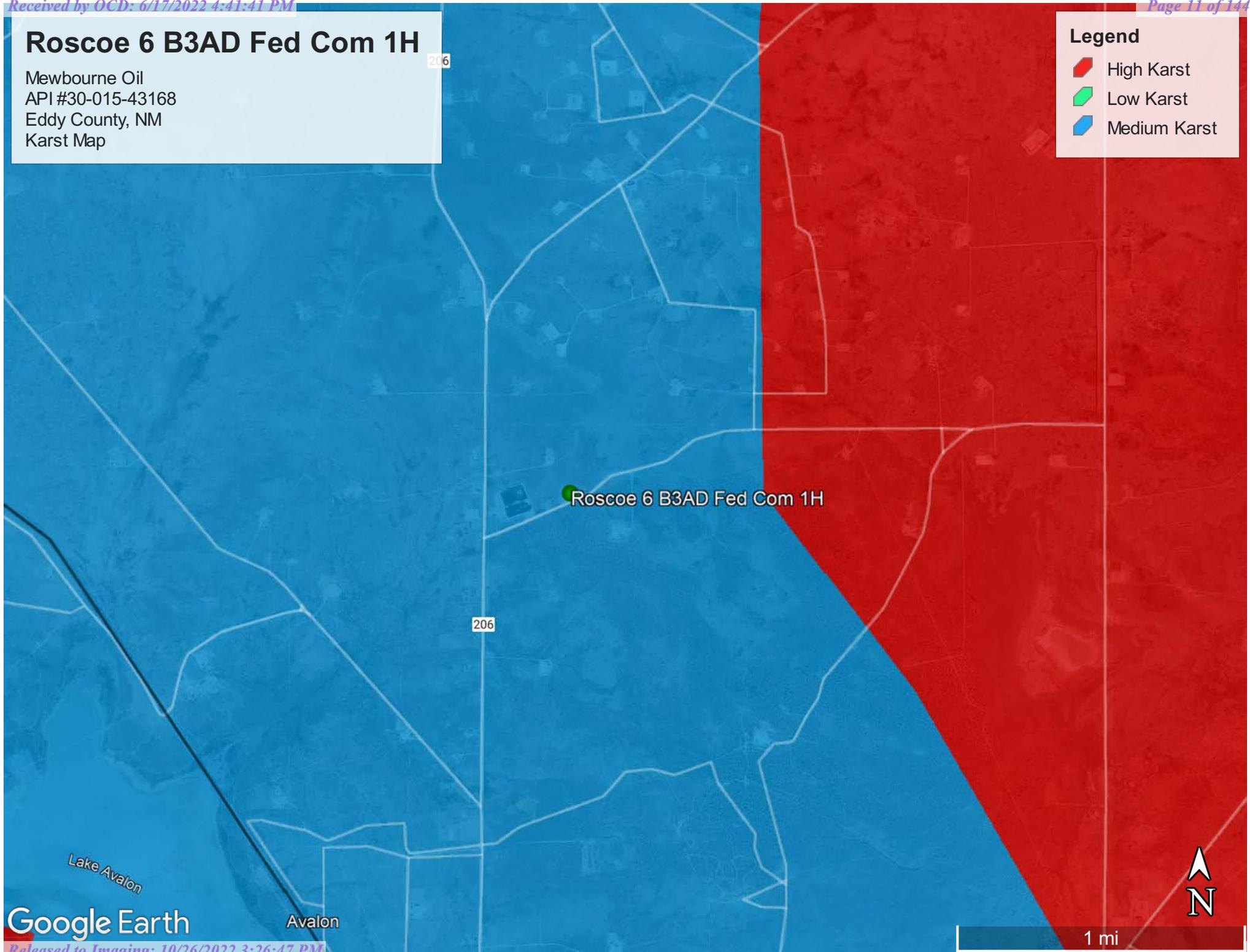


Roscoe 6 B3AD Fed Com 1H

Mewbourne Oil
API #30-015-43168
Eddy County, NM
Karst Map

Legend

-  High Karst
-  Low Karst
-  Medium Karst



Google Earth

1 mi

Roscoe 6 B3AD Fed Com 1H

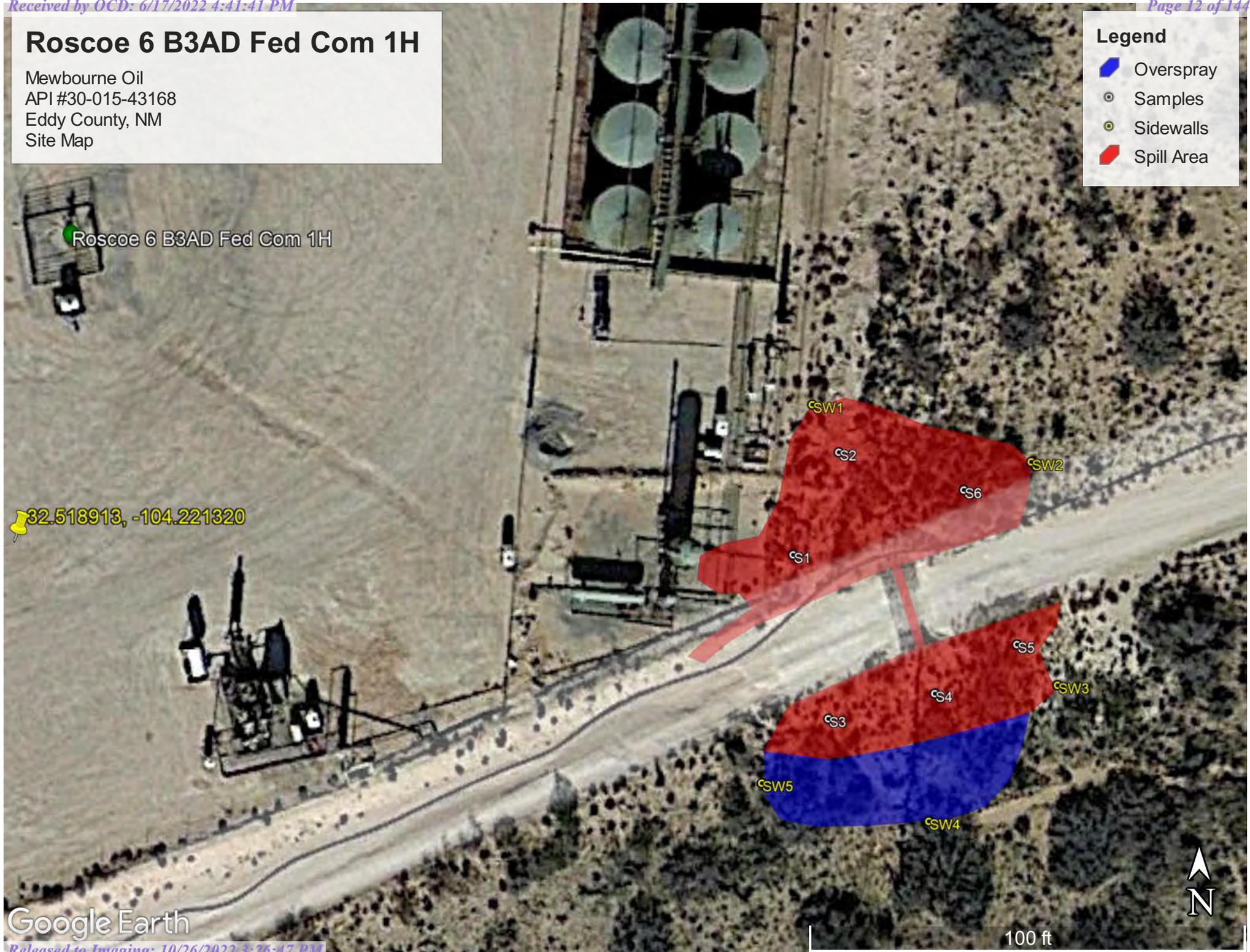
Mewbourne Oil
API #30-015-43168
Eddy County, NM
Site Map

Legend

-  Overspray
-  Samples
-  Sidewalls
-  Spill Area

Roscoe 6 B3AD Fed Com 1H

 32.518913, -104.221320

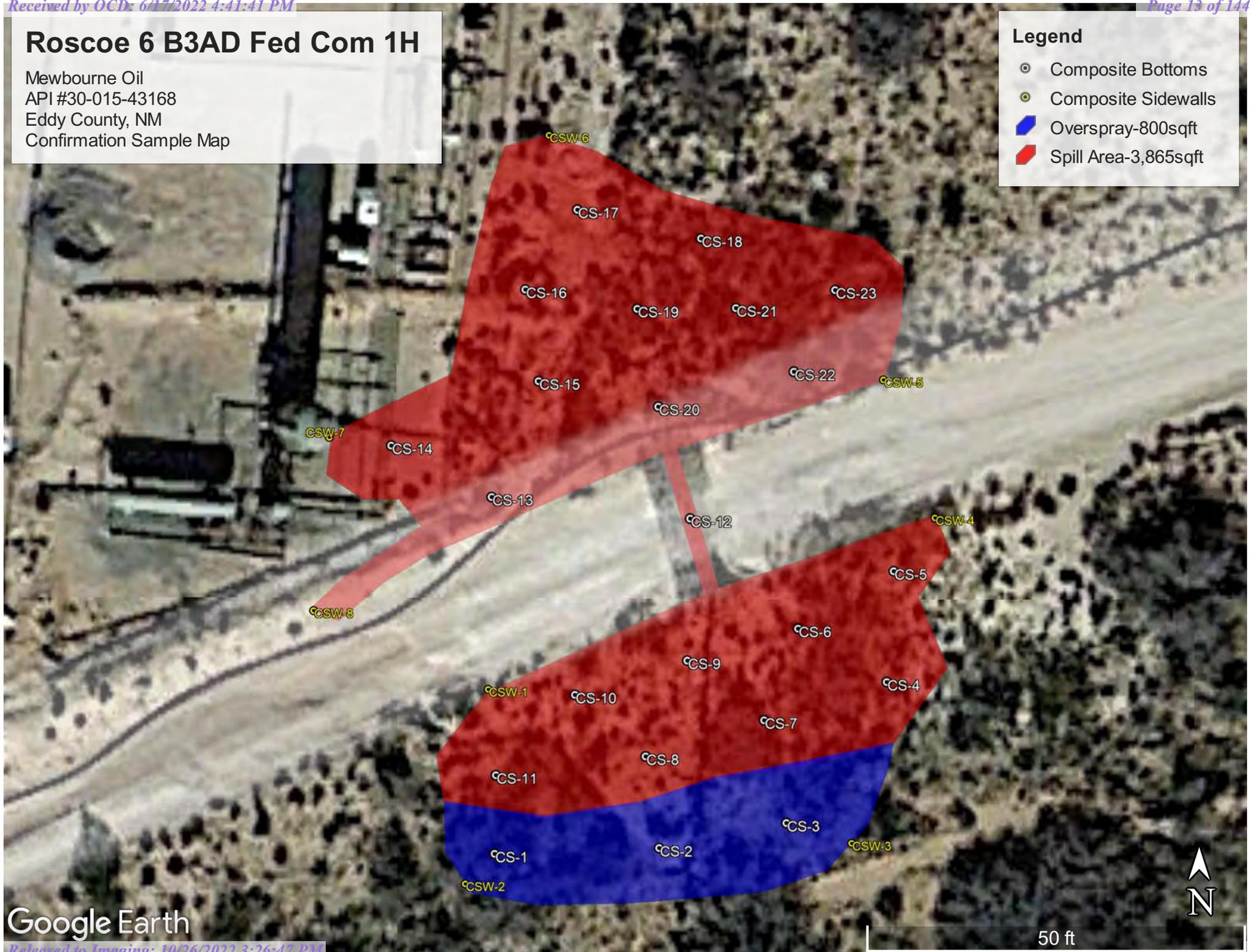


Roscoe 6 B3AD Fed Com 1H

Mewbourne Oil
API #30-015-43168
Eddy County, NM
Confirmation Sample Map

Legend

- ⊙ Composite Bottoms
- ⊙ Composite Sidewalls
- ▭ Overspray-800sqft
- ▭ Spill Area-3,865sqft



Google Earth



50 ft



Pima Environmental Services

Appendix A

Water Surveys:

OSE

USGS

Surface Water Map



New Mexico Office of the State Engineer

Water Column/Average Depth to Water

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

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

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

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

(In feet)

POD Number	POD Code	Sub-basin	County	Q 64	Q 16	Q 4	Sec	Tws	Rng	X	Y	Distance	DepthWell	DepthWater	Water Column
C_03163		C	ED	2	1	2	06	21S	27E	572693	3598138	450	440	175	265
C_03912 POD1		C	ED	3	1	2	06	21S	27E	572581	3598046	581	85	55	30
C_04445 POD1		C	ED	2	3	2	06	21S	27E	572624	3597893	607	180		
C_04322 POD1	R	C	ED	3	3	2	06	21S	27E	572609	3597785	683	220	100	120
C_03825 POD1		C	ED	3	1	2	06	21S	27E	572607	3597676	758	392	330	62
C_04446 POD1		C	ED	1	3	2	06	21S	27E	572463	3597825	780	180		
C_03834 POD1		C	ED	4	2	1	06	21S	27E	572302	3597613	1031	372	360	12
C_04461 POD1		C	ED	1	1	4	06	21S	27E	572548	3597339	1060	180		
C_01923		C	ED		2	4	36	20S	27E	572469	3599224*	1203	400		
C_00376	C	CUB	ED	4	1	06	21S	27E	572211	3597303*	1303				
C_03835 POD1		C	ED	3	1	4	06	21S	27E	572605	3596913	1411	122	68	54
C_01333		C	ED	1	1	4	05	21S	27E	574128	3597045*	1540	400	350	50
C_04436 POD1		C	ED	3	1	2	06	21S	27E	572599	3596642	1668	136	124	12
C_04213 POD1		C	ED	4	3	4	06	21S	27E	572632	3596510	1784	105	67	38
C_04425 POD15		CUB	ED	3	1	1	04	21S	27E	574951	3598180	1816	47		
C_04425 POD16		CUB	ED	3	1	1	04	21S	27E	574954	3598094	1823	51		
CP 00851		CP	ED	4	1	2	31	20S	28E	573791	3599940*	1838	255	115	140
C_04425 POD18		CUB	ED	3	1	1	04	21S	27E	575011	3598207	1875	38		
C_04425 POD14		CUB	ED	3	1	1	04	21S	27E	575013	3598241	1877	37		
C_04462 POD1		C	ED	3	3	4	06	21S	27E	572536	3596402	1915	200		
C_04425 POD17		CUB	ED	4	1	1	04	21S	27E	575054	3598173	1919	38		
C_04425 POD13		CUB	ED	3	1	1	04	21S	27E	575059	3598259	1923	33		

Average Depth to Water: **174 feet**
 Minimum Depth: **55 feet**
 Maximum Depth: **360 feet**

Record Count: 22

UTM NAD83 Radius Search (in meters):

Eastings (X): 573135

Northing (Y): 3598222.22

Radius: 2000

*UTM location was derived from PLSS - see Help

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



New Mexico Office of the State Engineer

Point of Diversion Summary

		(quarters are 1=NW 2=NE 3=SW 4=SE)							
		(quarters are smallest to largest)				(NAD83 UTM in meters)			
Well Tag	POD Number	Q64	Q16	Q4	Sec	Tws	Rng	X	Y
C	03163	2	1	2	06	21S	27E	572693	3598138

Driller License: 1314	Driller Company: M & M EXCAVATING, INC.	
Driller Name: MALEY, JASON R.		
Drill Start Date: 03/05/2005	Drill Finish Date: 03/10/2005	Plug Date:
Log File Date: 03/06/2006	PCW Rev Date:	Source: Shallow
Pump Type:	Pipe Discharge Size:	Estimated Yield: 75 GPM
Casing Size: 6.00	Depth Well: 440 feet	Depth Water: 175 feet

Water Bearing Stratifications:	Top	Bottom	Description
	435	440	Basalt/Rhyolite/Tuff

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.

3/29/22 4:23 PM

POINT OF DIVERSION SUMMARY



USGS Home
Contact USGS
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National Water Information System: Web Interface

USGS Water Resources

Data Category:

Groundwater

Geographic Area:

United States

GO

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- Explore the *NEW* [USGS National Water Dashboard](#) interactive map to access real-time water data from over 13,500 stations nationwide.
- [Full News](#) 

Groundwater levels for the Nation

 Important: [Next Generation Monitoring Location Page](#)

Search Results -- 1 sites found

site_no list =

- 323022104122501

Minimum number of levels = 1

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

USGS 323022104122501 21S.27E.05.41412

Available data for this site

Groundwater: Field measurements

GO

Eddy County, New Mexico

Hydrologic Unit Code 13060011

Latitude 32°30'51.1", Longitude 104°12'34.9" NAD83

Land-surface elevation 3,284 feet above NAVD88

The depth of the well is 2,565 feet below land surface.

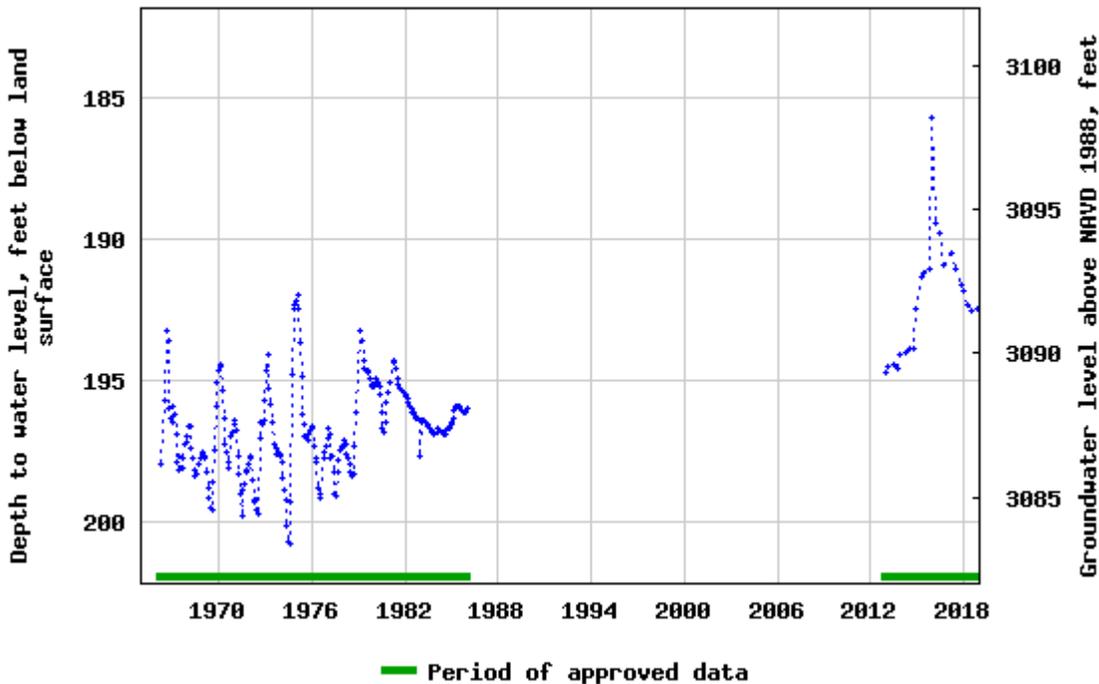
This well is completed in the Other aquifers (N9999OTHER) national aquifer.

This well is completed in the Capitan Limestone (313CPTN) local aquifer.

Output formats

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

USGS 323022104122501 21S.27E.05.41412



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

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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: [USGS Water Data Support Team](#)

Page Last Modified: 2022-03-29 18:25:06 EDT

0.67 0.55 nadww02



USGS Home
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National Water Information System: Web Interface

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Data Category:

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United States

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Groundwater levels for the Nation

Important: [Next Generation Monitoring Location Page](#)

Search Results -- 1 sites found

site_no list =

- 323042104135201

Minimum number of levels = 1

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

USGS 323042104135201 21S.27E.06.14143

Available data for this site

Groundwater: Field measurements

GO

Eddy County, New Mexico

Hydrologic Unit Code 13060011

Latitude 32°30'42", Longitude 104°13'52" NAD27

Land-surface elevation 3,181 feet above NAVD88

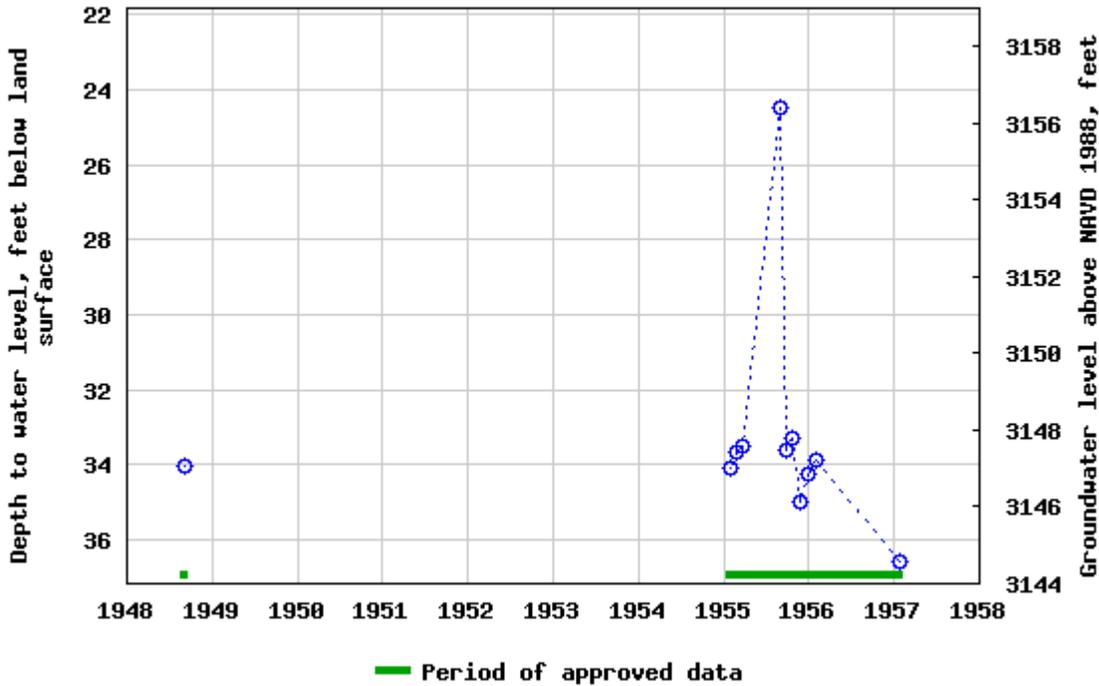
This well is completed in the Other aquifers (N9999OTHER) national aquifer.

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 323042104135201 21S.27E.06.14143



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

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Title: Groundwater for USA: Water Levels

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



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

Page Last Modified: 2022-03-29 18:25:43 EDT

0.72 0.5 nadww02

Roscoe 6 B3AD Fed Com 1H
 Mewbourne Oil
 API #30-015-43168
 Eddy County, NM
 Surface Water Map

Legend

-  1.52 Miles
-  Lake Avalon



Lake Avalon
 Google Earth



Pima Environmental Services

Appendix B

Soil Survey & Geological Data

FEMA Flood Map

Map Unit Description: Tonuco-Berino loamy sands, 0 to 5 percent slopes---Eddy Area, New Mexico

Eddy Area, New Mexico

TO—Tonuco-Berino loamy sands, 0 to 5 percent slopes

Map Unit Setting

National map unit symbol: 1w63
Elevation: 2,000 to 5,700 feet
Mean annual precipitation: 6 to 14 inches
Mean annual air temperature: 57 to 70 degrees F
Frost-free period: 180 to 260 days
Farmland classification: Not prime farmland

Map Unit Composition

Tonuco and similar soils: 60 percent
Berino and similar soils: 30 percent
Minor components: 10 percent
Estimates are based on observations, descriptions, and transects of the mapunit.

Description of Tonuco

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: loamy sand
H2 - 5 to 15 inches: loamy fine sand
H3 - 15 to 19 inches: indurated

Properties and qualities

Slope: 0 to 3 percent
Depth to restrictive feature: 6 to 20 inches to petrocalcic
Drainage class: Excessively 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
Maximum salinity: Nonsaline (0.0 to 1.0 mmhos/cm)
Sodium adsorption ratio, maximum: 1.0
Available water supply, 0 to 60 inches: Very low (about 1.1 inches)

Interpretive groups

Land capability classification (irrigated): None specified
Land capability classification (nonirrigated): 7e
Hydrologic Soil Group: D
Ecological site: R042XC004NM - Sandy

Map Unit Description: Tonuco-Berino loamy sands, 0 to 5 percent slopes---Eddy Area, New Mexico

Hydric soil rating: No

Description of Berino

Setting

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

Typical profile

H1 - 0 to 17 inches: loamy sand
H2 - 17 to 50 inches: sandy clay loam
H3 - 50 to 60 inches: clay loam

Properties and qualities

Slope: 0 to 5 percent
Depth to restrictive feature: More than 80 inches
Drainage class: Well drained
Runoff class: Medium
Capacity of the most limiting layer to transmit water (Ksat): Moderately high to high (0.60 to 2.00 in/hr)
Depth to water table: More than 80 inches
Frequency of flooding: None
Frequency of ponding: None
Calcium carbonate, maximum content: 40 percent
Maximum salinity: Very slightly saline to slightly saline (2.0 to 4.0 mmhos/cm)
Sodium adsorption ratio, maximum: 1.0
Available water supply, 0 to 60 inches: Moderate (about 7.3 inches)

Interpretive groups

Land capability classification (irrigated): 3e
Land capability classification (nonirrigated): 7e
Hydrologic Soil Group: B
Ecological site: R042XC003NM - Loamy Sand
Hydric soil rating: No

Minor Components

Tonuco

Percent of map unit: 5 percent
Ecological site: R042XC004NM - Sandy
Hydric soil rating: No

Pajarito

Percent of map unit: 5 percent
Ecological site: R042XC003NM - Loamy Sand

Map Unit Description: Tonuco-Berino loamy sands, 0 to 5 percent slopes---Eddy Area, New Mexico

Hydric soil rating: No

Data Source Information

Soil Survey Area: Eddy Area, New Mexico
Survey Area Data: Version 17, Sep 12, 2021

National Flood Hazard Layer FIRMette



104°13'36"W 32°31'24"N



Legend

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

SPECIAL FLOOD HAZARD AREAS		Without Base Flood Elevation (BFE) Zone A, V, A99
		With BFE or Depth Zone AE, AO, AH, VE, AR
		Regulatory Floodway

OTHER AREAS OF FLOOD HAZARD		0.2% Annual Chance Flood Hazard, Areas of 1% annual chance flood with average depth less than one foot or with drainage areas of less than one square mile Zone X
		Future Conditions 1% Annual Chance Flood Hazard Zone X
		Area with Reduced Flood Risk due to Levee. See Notes. Zone X
		Area with Flood Risk due to Levee Zone D

OTHER AREAS		NO SCREEN Area of Minimal Flood Hazard Zone X
		Effective LOMRs
		Area of Undetermined Flood Hazard Zone D

GENERAL STRUCTURES		Channel, Culvert, or Storm Sewer
		Levee, Dike, or Floodwall

OTHER FEATURES		Cross Sections with 1% Annual Chance Water Surface Elevation
		Coastal Transect
		Base Flood Elevation Line (BFE)
		Limit of Study
		Jurisdiction Boundary
		Coastal Transect Baseline
		Profile Baseline
		Hydrographic Feature

MAP PANELS		Digital Data Available
		No Digital Data Available
		Unmapped



The pin displayed on the map is an approximate point selected by the user and does not represent an authoritative property location.

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

The flood hazard information is derived directly from the authoritative NFHL web services provided by FEMA. This map was exported on 3/29/2022 at 6:33 PM and does not reflect changes or amendments subsequent to this date and time. The NFHL and effective information may change or become superseded by new data over time.

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



Pima Environmental Services

Appendix C

C-141 Form

48-Hour Notification

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

State of New Mexico
Energy Minerals and Natural
Resources Department

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

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

Incident ID	NAPP2209759646
District RP	
Facility ID	
Application ID	

Release Notification

Responsible Party

Responsible Party	Mewbourne Oil Company	OGRID	14744
Contact Name	Connor Walker	Contact Telephone	806-202-5281
Contact email	cwalker@mewbourne.com	Incident # (assigned by OCD)	nAPP2209759646
Contact mailing address	4801 Business Park Blvd, Hobbs, NM 88240		

Location of Release Source

Latitude 32.519058 _____ Longitude -104.221201 _____
(NAD 83 in decimal degrees to 5 decimal places)

Site Name	Roscoe 6 B3AD Fed Com #1H	Site Type	Pipeline
Date Release Discovered	3/23/2022	API# (if applicable)	

Unit Letter	Section	Township	Range	County
H	6	21S	27E	Eddy

Surface Owner: State Federal Tribal Private (Name: M&W Water Sales _____)

Nature and Volume of Release

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

<input checked="" type="checkbox"/> Crude Oil	Volume Released (bbls) 7	Volume Recovered (bbls) 0
<input checked="" type="checkbox"/> Produced Water	Volume Released (bbls) 16	Volume Recovered (bbls) 0
	Is the concentration of dissolved chloride in the produced water >10,000 mg/l?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
<input type="checkbox"/> Condensate	Volume Released (bbls)	Volume Recovered (bbls)
<input type="checkbox"/> Natural Gas	Volume Released (Mcf)	Volume Recovered (Mcf)
<input type="checkbox"/> Other (describe)	Volume/Weight Released (provide units)	Volume/Weight Recovered (provide units)

Cause of Release

A dump valve on the separation equipment failed causing fluid to be released through a relief valve.

State of New Mexico
Oil Conservation Division

Incident ID	NAPP2209759646
District RP	
Facility ID	
Application ID	

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

Initial Response

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

<input checked="" type="checkbox"/> The source of the release has been stopped. <input checked="" type="checkbox"/> The impacted area has been secured to protect human health and the environment. <input checked="" type="checkbox"/> Released materials have been contained via the use of berms or dikes, absorbent pads, or other containment devices. <input checked="" type="checkbox"/> All free liquids and recoverable materials have been removed and managed appropriately.
If all the actions described above have <u>not</u> been undertaken, explain why:
Per 19.15.29.8 B. (4) NMAC the responsible party may commence remediation immediately after discovery of a release. If remediation has begun, please attach a narrative of actions to date. If remedial efforts have been successfully completed or if the release occurred within a lined containment area (see 19.15.29.11(A)(5)(a) NMAC), please attach all information needed for closure evaluation.
I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to OCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the OCD does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment. In addition, OCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations.
Printed Name: <u>Connor Walker</u> Title: <u>Sr. Engineer</u>
Signature:  Date: <u>3/29/2022</u>
email: <u>cwalker@mewbourne.com</u> Telephone: <u>806-202-5281</u>
OCD Only Received by: <u>Jocelyn Harimon</u> Date: <u>04/07/2022</u>

Incident ID	NAPP2209759646
District RP	
Facility ID	
Application ID	

Site Assessment/Characterization

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

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

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

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

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

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

State of New Mexico
Oil Conservation Division

Page 4

Incident ID	
District RP	
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: Connor Walker Title: Sr. Engineer
 Signature:  Date: 6/17/2022
 email: cwalker@mewbourne.com Telephone: 806-202-5281

OCD Only

Received by: _____ Date: _____

Incident ID	
District RP	
Facility ID	
Application ID	

Closure

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

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

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

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

Printed Name: Connor Walker Title: Sr. Engineer

Signature:  Date: 6/17/2022

email: cwalker@mewbourne.com Telephone: 806-202-5281

OCD Only

Received by: _____ Date: _____

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: _____ Date: _____

Printed Name: _____ Title: _____



Gio PimaOil <gio@pimaoil.com>

NAPP2209759646 Sampling Confirmation

1 message

Gio PimaOil <gio@pimaoil.com>

Tue, Apr 12, 2022 at 9:47 AM

To: ocdonline@state.nm.us, Tom Pima Oil <tom@pimaoil.com>, Ned Pima Oil <ned@pimaoil.com>

Good morning,

Pima Environmental would like to notify you that we will be collecting confirmation samples at the Roscoe 6 B3AD Fed Com 1H for incident NAPP2209759646. Pima personnel are scheduled to be on site for this sampling event at approximately 7:30 a.m. on Thursday, April 14, 2022. If you have any questions or concerns, please let me know. Thank you.

Gio Gomez
Environmental Project Manager
cell-806-782-1151
Office- 575-964-7740
Pima Environmental Services, LLC.

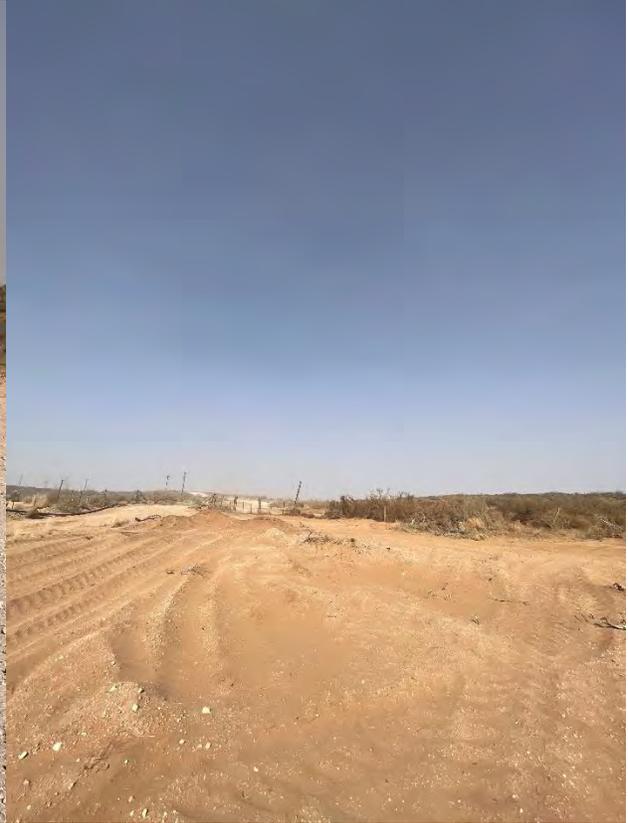


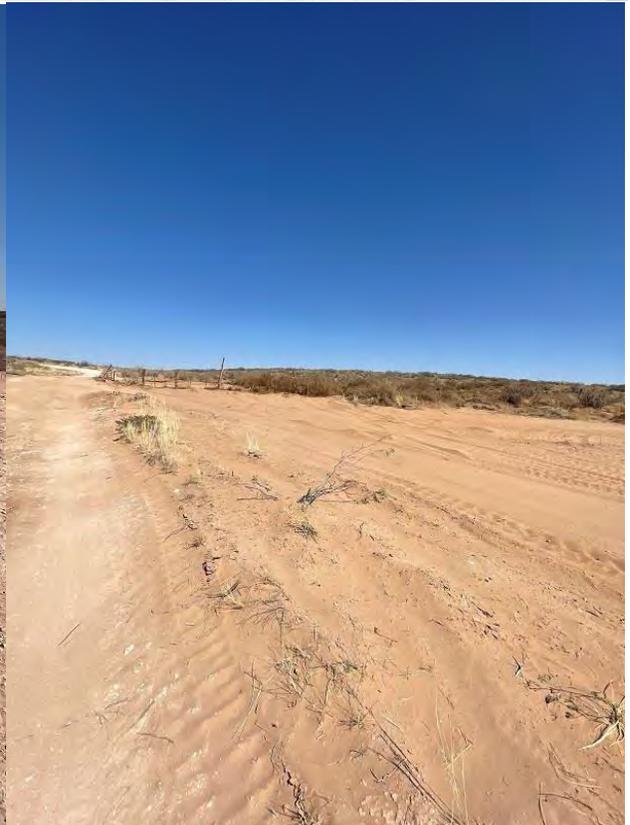
Pima Environmental Services

Appendix D

Photographic Documentation









Pima Environmental Services

Appendix E

Laboratory Reports



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

March 30, 2022

TOM BYNUM

PIMA ENVIROMENTAL

1601 N TURNER STE. 500

HOBBS, NM 88240

RE: ROSCOE 6 B3AD FEDERAL COM #001H

Enclosed are the results of analyses for samples received by the laboratory on 03/25/22 14:26.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-21-14. 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/qa/lab_accred_certif.html.

Cardinal Laboratories is accredited 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.

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,

A handwritten signature in black ink that reads "Celey D. Keene".

Celey D. Keene

Lab Director/Quality Manager



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

Analytical Results For:

PIMA ENVIROMENTAL
 TOM BYNUM
 1601 N TURNER STE. 500
 HOBBS NM, 88240
 Fax To:

Received:	03/25/2022	Sampling Date:	03/25/2022
Reported:	03/30/2022	Sampling Type:	Soil
Project Name:	ROSCOE 6 B3AD FEDERAL COM #001H	Sampling Condition:	** (See Notes)
Project Number:	NONE GIVEN	Sample Received By:	Shalyn Rodriguez
Project Location:	MEWBOURNE		

Sample ID: S 1 - SURFACE (H221200-01)

BTEX 8021B		mg/kg		Analyzed By: MS\				S-04	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	4.98	0.500	03/30/2022	ND	2.11	105	2.00	4.22	
Toluene*	63.8	0.500	03/30/2022	ND	2.09	105	2.00	3.46	
Ethylbenzene*	30.4	0.500	03/30/2022	ND	2.08	104	2.00	4.13	
Total Xylenes*	240	1.50	03/30/2022	ND	6.43	107	6.00	3.98	
Total BTEX	339	3.00	03/30/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 211 % 69.9-140

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM				S-06	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	112	16.0	03/29/2022	ND	416	104	400	3.77	

TPH 8015M		mg/kg		Analyzed By: MS				S-06	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	5790	50.0	03/29/2022	ND	196	97.9	200	4.21	
DRO >C10-C28*	18100	50.0	03/29/2022	ND	188	93.8	200	3.64	
EXT DRO >C28-C36	2700	50.0	03/29/2022	ND					

Surrogate: 1-Chlorooctane 918 % 66.9-136

Surrogate: 1-Chlorooctadecane 713 % 59.5-142

Cardinal Laboratories

*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

PIMA ENVIROMENTAL
 TOM BYNUM
 1601 N TURNER STE. 500
 HOBBS NM, 88240
 Fax To:

Received:	03/25/2022	Sampling Date:	03/25/2022
Reported:	03/30/2022	Sampling Type:	Soil
Project Name:	ROSCOE 6 B3AD FEDERAL COM #001H	Sampling Condition:	** (See Notes)
Project Number:	NONE GIVEN	Sample Received By:	Shalyn Rodriguez
Project Location:	MEWBOURNE		

Sample ID: S 1 - 2' (H221200-02)

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	03/29/2022	ND	2.11	105	2.00	4.22		
Toluene*	<0.050	0.050	03/29/2022	ND	2.09	105	2.00	3.46		
Ethylbenzene*	<0.050	0.050	03/29/2022	ND	2.08	104	2.00	4.13		
Total Xylenes*	<0.150	0.150	03/29/2022	ND	6.43	107	6.00	3.98		
Total BTEX	<0.300	0.300	03/29/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 105 % 69.9-140

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	48.0	16.0	03/29/2022	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	<10.0	10.0	03/29/2022	ND	179	89.7	200	1.13		
DRO >C10-C28*	19.6	10.0	03/29/2022	ND	235	117	200	1.38		
EXT DRO >C28-C36	<10.0	10.0	03/29/2022	ND						

Surrogate: 1-Chlorooctane 89.5 % 66.9-136

Surrogate: 1-Chlorooctadecane 96.1 % 59.5-142

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

PIMA ENVIROMENTAL
 TOM BYNUM
 1601 N TURNER STE. 500
 HOBBS NM, 88240
 Fax To:

Received:	03/25/2022	Sampling Date:	03/25/2022
Reported:	03/30/2022	Sampling Type:	Soil
Project Name:	ROSCOE 6 B3AD FEDERAL COM #001H	Sampling Condition:	** (See Notes)
Project Number:	NONE GIVEN	Sample Received By:	Shalyn Rodriguez
Project Location:	MEWBOURNE		

Sample ID: S 2 - SURFACE (H221200-03)

BTEX 8021B		mg/kg		Analyzed By: MS\				S-04	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/29/2022	ND	2.11	105	2.00	4.22	
Toluene*	0.772	0.050	03/29/2022	ND	2.09	105	2.00	3.46	
Ethylbenzene*	1.10	0.050	03/29/2022	ND	2.08	104	2.00	4.13	
Total Xylenes*	11.9	0.150	03/29/2022	ND	6.43	107	6.00	3.98	
Total BTEX	13.7	0.300	03/29/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 228 % 69.9-140

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM				S-04	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	03/29/2022	ND	416	104	400	3.77	

TPH 8015M		mg/kg		Analyzed By: MS				S-04	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	238	10.0	03/30/2022	ND	179	89.7	200	1.13	
DRO >C10-C28*	7540	10.0	03/30/2022	ND	235	117	200	1.38	
EXT DRO >C28-C36	1290	10.0	03/30/2022	ND					

Surrogate: 1-Chlorooctane 205 % 66.9-136

Surrogate: 1-Chlorooctadecane 412 % 59.5-142

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

PIMA ENVIROMENTAL
 TOM BYNUM
 1601 N TURNER STE. 500
 HOBBS NM, 88240
 Fax To:

Received:	03/25/2022	Sampling Date:	03/25/2022
Reported:	03/30/2022	Sampling Type:	Soil
Project Name:	ROSCOE 6 B3AD FEDERAL COM #001H	Sampling Condition:	** (See Notes)
Project Number:	NONE GIVEN	Sample Received By:	Shalyn Rodriguez
Project Location:	MEWBOURNE		

Sample ID: S 2 - 2' (H221200-04)

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	03/29/2022	ND	2.11	105	2.00	4.22		
Toluene*	<0.050	0.050	03/29/2022	ND	2.09	105	2.00	3.46		
Ethylbenzene*	<0.050	0.050	03/29/2022	ND	2.08	104	2.00	4.13		
Total Xylenes*	<0.150	0.150	03/29/2022	ND	6.43	107	6.00	3.98		
Total BTEX	<0.300	0.300	03/29/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 104 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	16.0	16.0	03/29/2022	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	<10.0	10.0	03/29/2022	ND	179	89.7	200	1.13		
DRO >C10-C28*	28.1	10.0	03/29/2022	ND	235	117	200	1.38		
EXT DRO >C28-C36	<10.0	10.0	03/29/2022	ND						

Surrogate: 1-Chlorooctane 91.8 % 66.9-136

Surrogate: 1-Chlorooctadecane 98.6 % 59.5-142

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

PIMA ENVIROMENTAL
 TOM BYNUM
 1601 N TURNER STE. 500
 HOBBS NM, 88240
 Fax To:

Received:	03/25/2022	Sampling Date:	03/25/2022
Reported:	03/30/2022	Sampling Type:	Soil
Project Name:	ROSCOE 6 B3AD FEDERAL COM #001H	Sampling Condition:	** (See Notes)
Project Number:	NONE GIVEN	Sample Received By:	Shalyn Rodriguez
Project Location:	MEWBOURNE		

Sample ID: S 3 - SURFACE (H221200-05)

BTEX 8021B		mg/kg		Analyzed By: MS\				S-04	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	7.34	1.00	03/30/2022	ND	2.11	105	2.00	4.22	
Toluene*	90.1	1.00	03/30/2022	ND	2.09	105	2.00	3.46	
Ethylbenzene*	37.8	1.00	03/30/2022	ND	2.08	104	2.00	4.13	
Total Xylenes*	331	3.00	03/30/2022	ND	6.43	107	6.00	3.98	
Total BTEX	467	6.00	03/30/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 157 % 69.9-140

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM				S-06	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	03/29/2022	ND	416	104	400	3.77	

TPH 8015M		mg/kg		Analyzed By: MS				S-06	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	7980	50.0	03/30/2022	ND	179	89.7	200	1.13	
DRO >C10-C28*	29500	50.0	03/30/2022	ND	235	117	200	1.38	
EXT DRO >C28-C36	4360	50.0	03/30/2022	ND					

Surrogate: 1-Chlorooctane 1390 % 66.9-136

Surrogate: 1-Chlorooctadecane 1130 % 59.5-142

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

PIMA ENVIROMENTAL
 TOM BYNUM
 1601 N TURNER STE. 500
 HOBBS NM, 88240
 Fax To:

Received:	03/25/2022	Sampling Date:	03/25/2022
Reported:	03/30/2022	Sampling Type:	Soil
Project Name:	ROSCOE 6 B3AD FEDERAL COM #001H	Sampling Condition:	** (See Notes)
Project Number:	NONE GIVEN	Sample Received By:	Shalyn Rodriguez
Project Location:	MEWBOURNE		

Sample ID: S 3 - 2' (H221200-06)

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	03/29/2022	ND	2.11	105	2.00	4.22		
Toluene*	<0.050	0.050	03/29/2022	ND	2.09	105	2.00	3.46		
Ethylbenzene*	<0.050	0.050	03/29/2022	ND	2.08	104	2.00	4.13		
Total Xylenes*	<0.150	0.150	03/29/2022	ND	6.43	107	6.00	3.98		
Total BTEX	<0.300	0.300	03/29/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 106 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	16.0	16.0	03/29/2022	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	<10.0	10.0	03/29/2022	ND	179	89.7	200	1.13		
DRO >C10-C28*	43.7	10.0	03/29/2022	ND	235	117	200	1.38		
EXT DRO >C28-C36	<10.0	10.0	03/29/2022	ND						

Surrogate: 1-Chlorooctane 88.4 % 66.9-136

Surrogate: 1-Chlorooctadecane 95.2 % 59.5-142

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Analytical Results For:

PIMA ENVIROMENTAL
 TOM BYNUM
 1601 N TURNER STE. 500
 HOBBS NM, 88240
 Fax To:

Received:	03/25/2022	Sampling Date:	03/25/2022
Reported:	03/30/2022	Sampling Type:	Soil
Project Name:	ROSCOE 6 B3AD FEDERAL COM #001H	Sampling Condition:	** (See Notes)
Project Number:	NONE GIVEN	Sample Received By:	Shalyn Rodriguez
Project Location:	MEWBOURNE		

Sample ID: S 4 - SURFACE (H221200-07)

BTEX 8021B		mg/kg		Analyzed By: MS\				S-04	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/29/2022	ND	2.11	105	2.00	4.22	
Toluene*	2.15	0.050	03/29/2022	ND	2.09	105	2.00	3.46	
Ethylbenzene*	2.70	0.050	03/29/2022	ND	2.08	104	2.00	4.13	
Total Xylenes*	26.6	0.150	03/29/2022	ND	6.43	107	6.00	3.98	
Total BTEX	31.4	0.300	03/29/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 294 % 69.9-140

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM				S-06	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	64.0	16.0	03/29/2022	ND	416	104	400	3.77	

TPH 8015M		mg/kg		Analyzed By: MS				S-06	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	565	100	03/30/2022	ND	179	89.7	200	1.13	
DRO >C10-C28*	13300	100	03/30/2022	ND	235	117	200	1.38	
EXT DRO >C28-C36	2040	100	03/30/2022	ND					

Surrogate: 1-Chlorooctane 596 % 66.9-136

Surrogate: 1-Chlorooctadecane 1200 % 59.5-142

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

PIMA ENVIROMENTAL
 TOM BYNUM
 1601 N TURNER STE. 500
 HOBBS NM, 88240
 Fax To:

Received:	03/25/2022	Sampling Date:	03/25/2022
Reported:	03/30/2022	Sampling Type:	Soil
Project Name:	ROSCOE 6 B3AD FEDERAL COM #001H	Sampling Condition:	** (See Notes)
Project Number:	NONE GIVEN	Sample Received By:	Shalyn Rodriguez
Project Location:	MEWBOURNE		

Sample ID: S 4 - 2' (H221200-08)

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	03/29/2022	ND	2.11	105	2.00	4.22		
Toluene*	<0.050	0.050	03/29/2022	ND	2.09	105	2.00	3.46		
Ethylbenzene*	<0.050	0.050	03/29/2022	ND	2.08	104	2.00	4.13		
Total Xylenes*	<0.150	0.150	03/29/2022	ND	6.43	107	6.00	3.98		
Total BTEX	<0.300	0.300	03/29/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 105 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	32.0	16.0	03/29/2022	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	<10.0	10.0	03/29/2022	ND	179	89.7	200	1.13		
DRO >C10-C28*	10.5	10.0	03/29/2022	ND	235	117	200	1.38		
EXT DRO >C28-C36	<10.0	10.0	03/29/2022	ND						

Surrogate: 1-Chlorooctane 78.8 % 66.9-136

Surrogate: 1-Chlorooctadecane 85.0 % 59.5-142

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

PIMA ENVIROMENTAL
 TOM BYNUM
 1601 N TURNER STE. 500
 HOBBS NM, 88240
 Fax To:

Received:	03/25/2022	Sampling Date:	03/25/2022
Reported:	03/30/2022	Sampling Type:	Soil
Project Name:	ROSCOE 6 B3AD FEDERAL COM #001H	Sampling Condition:	** (See Notes)
Project Number:	NONE GIVEN	Sample Received By:	Shalyn Rodriguez
Project Location:	MEWBOURNE		

Sample ID: S 5 - SURFACE (H221200-09)

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/29/2022	ND	2.09	105	2.00	4.24	
Toluene*	0.248	0.050	03/29/2022	ND	2.07	103	2.00	8.24	
Ethylbenzene*	0.523	0.050	03/29/2022	ND	2.15	108	2.00	7.53	
Total Xylenes*	2.94	0.150	03/29/2022	ND	6.45	107	6.00	7.57	
Total BTEX	3.71	0.300	03/29/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 130 % 69.9-140

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	03/29/2022	ND	416	104	400	3.77	

TPH 8015M		mg/kg		Analyzed By: MS						S-04
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	40.5	10.0	03/30/2022	ND	179	89.7	200	1.13		
DRO >C10-C28*	3510	10.0	03/30/2022	ND	235	117	200	1.38		
EXT DRO >C28-C36	687	10.0	03/30/2022	ND						

Surrogate: 1-Chlorooctane 129 % 66.9-136

Surrogate: 1-Chlorooctadecane 437 % 59.5-142

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

PIMA ENVIROMENTAL
TOM BYNUM
1601 N TURNER STE. 500
HOBBS NM, 88240
Fax To:

Received:	03/25/2022	Sampling Date:	03/25/2022
Reported:	03/30/2022	Sampling Type:	Soil
Project Name:	ROSCOE 6 B3AD FEDERAL COM #001H	Sampling Condition:	** (See Notes)
Project Number:	NONE GIVEN	Sample Received By:	Shalyn Rodriguez
Project Location:	MEWBOURNE		

Sample ID: S 5 - 2' (H221200-10)

BTEX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	03/29/2022	ND	2.09	105	2.00	4.24		
Toluene*	<0.050	0.050	03/29/2022	ND	2.07	103	2.00	8.24		
Ethylbenzene*	<0.050	0.050	03/29/2022	ND	2.15	108	2.00	7.53		
Total Xylenes*	<0.150	0.150	03/29/2022	ND	6.45	107	6.00	7.57		
Total BTEX	<0.300	0.300	03/29/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 104 % 69.9-140

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	64.0	16.0	03/29/2022	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	<10.0	10.0	03/29/2022	ND	179	89.7	200	1.13		
DRO >C10-C28*	60.1	10.0	03/29/2022	ND	235	117	200	1.38		
EXT DRO >C28-C36	<10.0	10.0	03/29/2022	ND						

Surrogate: 1-Chlorooctane 89.1 % 66.9-136

Surrogate: 1-Chlorooctadecane 100 % 59.5-142

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

PIMA ENVIROMENTAL
 TOM BYNUM
 1601 N TURNER STE. 500
 HOBBS NM, 88240
 Fax To:

Received:	03/25/2022	Sampling Date:	03/25/2022
Reported:	03/30/2022	Sampling Type:	Soil
Project Name:	ROSCOE 6 B3AD FEDERAL COM #001H	Sampling Condition:	** (See Notes)
Project Number:	NONE GIVEN	Sample Received By:	Shalyn Rodriguez
Project Location:	MEWBOURNE		

Sample ID: S 6 - SURFACE (H221200-11)

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/29/2022	ND	2.09	105	2.00	4.24	
Toluene*	<0.050	0.050	03/29/2022	ND	2.07	103	2.00	8.24	
Ethylbenzene*	0.253	0.050	03/29/2022	ND	2.15	108	2.00	7.53	
Total Xylenes*	0.940	0.150	03/29/2022	ND	6.45	107	6.00	7.57	
Total BTEX	1.19	0.300	03/29/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 140 % 69.9-140

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	03/29/2022	ND	400	100	400	7.69	

TPH 8015M		mg/kg		Analyzed By: MS						S-04
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	37.8	10.0	03/30/2022	ND	179	89.7	200	1.13		
DRO >C10-C28*	3400	10.0	03/30/2022	ND	235	117	200	1.38		
EXT DRO >C28-C36	651	10.0	03/30/2022	ND						

Surrogate: 1-Chlorooctane 113 % 66.9-136

Surrogate: 1-Chlorooctadecane 392 % 59.5-142

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

PIMA ENVIROMENTAL
 TOM BYNUM
 1601 N TURNER STE. 500
 HOBBS NM, 88240
 Fax To:

Received:	03/25/2022	Sampling Date:	03/25/2022
Reported:	03/30/2022	Sampling Type:	Soil
Project Name:	ROSCOE 6 B3AD FEDERAL COM #001H	Sampling Condition:	** (See Notes)
Project Number:	NONE GIVEN	Sample Received By:	Shalyn Rodriguez
Project Location:	MEWBOURNE		

Sample ID: S 6 - 2' (H221200-12)

BTEX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	03/29/2022	ND	2.09	105	2.00	4.24		
Toluene*	<0.050	0.050	03/29/2022	ND	2.07	103	2.00	8.24		
Ethylbenzene*	<0.050	0.050	03/29/2022	ND	2.15	108	2.00	7.53		
Total Xylenes*	<0.150	0.150	03/29/2022	ND	6.45	107	6.00	7.57		
Total BTEX	<0.300	0.300	03/29/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 101 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	32.0	16.0	03/29/2022	ND	400	100	400	7.69		

TPH 8015M		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	<10.0	10.0	03/29/2022	ND	179	89.7	200	1.13		
DRO >C10-C28*	<10.0	10.0	03/29/2022	ND	235	117	200	1.38		
EXT DRO >C28-C36	<10.0	10.0	03/29/2022	ND						

Surrogate: 1-Chlorooctane 80.6 % 66.9-136

Surrogate: 1-Chlorooctadecane 85.9 % 59.5-142

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

Analytical Results For:

PIMA ENVIROMENTAL
 TOM BYNUM
 1601 N TURNER STE. 500
 HOBBS NM, 88240
 Fax To:

Received:	03/25/2022	Sampling Date:	03/25/2022
Reported:	03/30/2022	Sampling Type:	Soil
Project Name:	ROSCOE 6 B3AD FEDERAL COM #001H	Sampling Condition:	** (See Notes)
Project Number:	NONE GIVEN	Sample Received By:	Shalyn Rodriguez
Project Location:	MEWBOURNE		

Sample ID: SW 1 (H221200-13)

BTEX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	03/29/2022	ND	2.09	105	2.00	4.24		
Toluene*	<0.050	0.050	03/29/2022	ND	2.07	103	2.00	8.24		
Ethylbenzene*	<0.050	0.050	03/29/2022	ND	2.15	108	2.00	7.53		
Total Xylenes*	<0.150	0.150	03/29/2022	ND	6.45	107	6.00	7.57		
Total BTEX	<0.300	0.300	03/29/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 101 % 69.9-140

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	16.0	16.0	03/29/2022	ND	400	100	400	7.69		

TPH 8015M		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	<10.0	10.0	03/29/2022	ND	179	89.7	200	1.13		
DRO >C10-C28*	<10.0	10.0	03/29/2022	ND	235	117	200	1.38		
EXT DRO >C28-C36	<10.0	10.0	03/29/2022	ND						

Surrogate: 1-Chlorooctane 91.9 % 66.9-136

Surrogate: 1-Chlorooctadecane 97.9 % 59.5-142

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

PIMA ENVIROMENTAL
 TOM BYNUM
 1601 N TURNER STE. 500
 HOBBS NM, 88240
 Fax To:

Received:	03/25/2022	Sampling Date:	03/25/2022
Reported:	03/30/2022	Sampling Type:	Soil
Project Name:	ROSCOE 6 B3AD FEDERAL COM #001H	Sampling Condition:	** (See Notes)
Project Number:	NONE GIVEN	Sample Received By:	Shalyn Rodriguez
Project Location:	MEWBOURNE		

Sample ID: SW 2 (H221200-14)

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/29/2022	ND	2.09	105	2.00	4.24	
Toluene*	<0.050	0.050	03/29/2022	ND	2.07	103	2.00	8.24	
Ethylbenzene*	<0.050	0.050	03/29/2022	ND	2.15	108	2.00	7.53	
Total Xylenes*	<0.150	0.150	03/29/2022	ND	6.45	107	6.00	7.57	
Total BTEX	<0.300	0.300	03/29/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 102 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	03/29/2022	ND	400	100	400	7.69	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/30/2022	ND	179	89.7	200	1.13	
DRO >C10-C28*	<10.0	10.0	03/30/2022	ND	235	117	200	1.38	
EXT DRO >C28-C36	<10.0	10.0	03/30/2022	ND					

Surrogate: 1-Chlorooctane 100 % 66.9-136

Surrogate: 1-Chlorooctadecane 104 % 59.5-142

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

PIMA ENVIROMENTAL
 TOM BYNUM
 1601 N TURNER STE. 500
 HOBBS NM, 88240
 Fax To:

Received:	03/25/2022	Sampling Date:	03/25/2022
Reported:	03/30/2022	Sampling Type:	Soil
Project Name:	ROSCOE 6 B3AD FEDERAL COM #001H	Sampling Condition:	** (See Notes)
Project Number:	NONE GIVEN	Sample Received By:	Shalyn Rodriguez
Project Location:	MEWBOURNE		

Sample ID: SW 3 (H221200-15)

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/29/2022	ND	2.09	105	2.00	4.24	
Toluene*	<0.050	0.050	03/29/2022	ND	2.07	103	2.00	8.24	
Ethylbenzene*	<0.050	0.050	03/29/2022	ND	2.15	108	2.00	7.53	
Total Xylenes*	<0.150	0.150	03/29/2022	ND	6.45	107	6.00	7.57	
Total BTEX	<0.300	0.300	03/29/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 101 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	03/29/2022	ND	400	100	400	7.69	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/30/2022	ND	179	89.7	200	1.13	
DRO >C10-C28*	<10.0	10.0	03/30/2022	ND	235	117	200	1.38	
EXT DRO >C28-C36	<10.0	10.0	03/30/2022	ND					

Surrogate: 1-Chlorooctane 101 % 66.9-136

Surrogate: 1-Chlorooctadecane 106 % 59.5-142

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

PIMA ENVIROMENTAL
 TOM BYNUM
 1601 N TURNER STE. 500
 HOBBS NM, 88240
 Fax To:

Received:	03/25/2022	Sampling Date:	03/25/2022
Reported:	03/30/2022	Sampling Type:	Soil
Project Name:	ROSCOE 6 B3AD FEDERAL COM #001H	Sampling Condition:	** (See Notes)
Project Number:	NONE GIVEN	Sample Received By:	Shalyn Rodriguez
Project Location:	MEWBOURNE		

Sample ID: SW 4 (H221200-16)

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/29/2022	ND	2.09	105	2.00	4.24	
Toluene*	<0.050	0.050	03/29/2022	ND	2.07	103	2.00	8.24	
Ethylbenzene*	<0.050	0.050	03/29/2022	ND	2.15	108	2.00	7.53	
Total Xylenes*	<0.150	0.150	03/29/2022	ND	6.45	107	6.00	7.57	
Total BTEX	<0.300	0.300	03/29/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 106 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	16.0	16.0	03/29/2022	ND	400	100	400	7.69	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/30/2022	ND	179	89.7	200	1.13	
DRO >C10-C28*	<10.0	10.0	03/30/2022	ND	235	117	200	1.38	
EXT DRO >C28-C36	<10.0	10.0	03/30/2022	ND					

Surrogate: 1-Chlorooctane 98.2 % 66.9-136

Surrogate: 1-Chlorooctadecane 103 % 59.5-142

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

PIMA ENVIROMENTAL
 TOM BYNUM
 1601 N TURNER STE. 500
 HOBBS NM, 88240
 Fax To:

Received:	03/25/2022	Sampling Date:	03/25/2022
Reported:	03/30/2022	Sampling Type:	Soil
Project Name:	ROSCOE 6 B3AD FEDERAL COM #001H	Sampling Condition:	** (See Notes)
Project Number:	NONE GIVEN	Sample Received By:	Shalyn Rodriguez
Project Location:	MEWBOURNE		

Sample ID: SW 5 (H221200-17)

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/29/2022	ND	2.09	105	2.00	4.24	
Toluene*	<0.050	0.050	03/29/2022	ND	2.07	103	2.00	8.24	
Ethylbenzene*	<0.050	0.050	03/29/2022	ND	2.15	108	2.00	7.53	
Total Xylenes*	<0.150	0.150	03/29/2022	ND	6.45	107	6.00	7.57	
Total BTEX	<0.300	0.300	03/29/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 106 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	16.0	16.0	03/29/2022	ND	400	100	400	7.69	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/30/2022	ND	179	89.7	200	1.13	
DRO >C10-C28*	<10.0	10.0	03/30/2022	ND	235	117	200	1.38	
EXT DRO >C28-C36	<10.0	10.0	03/30/2022	ND					

Surrogate: 1-Chlorooctane 101 % 66.9-136

Surrogate: 1-Chlorooctadecane 105 % 59.5-142

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Celey D. Keene, Lab Director/Quality Manager



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

Notes and Definitions

- S-06 The recovery of this surrogate is outside control limits due to sample dilution required from high analyte concentration and/or matrix interference's.
S-04 The surrogate recovery for this sample is outside of established control limits due to a sample matrix effect.
QM-07 The spike recovery was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS recovery.
ND Analyte NOT DETECTED at or above the reporting limit
RPD Relative Percent Difference
** Samples not received at proper temperature of 6°C or below.
*** Insufficient time to reach temperature.
- Chloride by SM4500Cl-B does not require samples be received at or below 6°C
Samples reported on an as received basis (wet) unless otherwise noted on report

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Celey D. Keene

Celey D. Keene, Lab Director/Quality Manager



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

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Company Name: Pima Environmental Services		BILL TO		ANALYSIS REQUEST									
Project Manager: Tom Bynum		P.O. #:		BTEX (8031) TPH: 8015D CL									
Address: 5614 N. Lovington Hwy		Company: <i>Mexbourne</i>											
City: Hobbs		Attn:											
State: NM Zip: 88240		Address:											
Phone #: 575-964-7740		City:											
Fax #:		State: Zip:											
Project #:		Phone #:											
Project Owner:		Fax #:											
Project Name: <i>Roscoe 6 B3AD Federal Com #001H</i>													
Project Location:													
Sampler Name: <i>Sebastian Orzco</i>													

Lab I.D.	Sample I.D.	(G)RAB OR (C)OMP.	# CONTAINERS	MATRIX					PRESERV.			SAMPLING		
				GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER:	ACID/BASE:	ICE / COOL	OTHER:	DATE	TIME
<i>H221800</i>														
1	S1-Surface	G	1			X				X			3/25/22	800
2	S1-2'													805
3	S2-Surface													810
4	S2-2'													815
5	S3-Surface													820
6	⁵⁰ S4-S3-2'													825
7	S4-Surface													830
8	S4-2'													835
9	S5-Surface													840
10	S5-2'													845

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Relinquished By: <i>Sebastian J.</i>	Date: <i>3/25/22</i>	Received By: <i>Shodki guez</i>	Phone Result: <input type="checkbox"/> Yes <input type="checkbox"/> No	Add'l Phone #:
Relinquished By:	Time: <i>1420</i>	Received By:	Fax Result: <input type="checkbox"/> Yes <input type="checkbox"/> No	Add'l Fax #:
Delivered By: (Circle One) <i>7.7c</i>	<i>C-0.5c</i>	Sample Condition	CHECKED BY: (Initials) <i>SK</i>	
Sampler - UPS - Bus - Other: <i>7.2c #113</i>		Cool Intact		
		<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		

† Cardinal cannot accept verbal changes. Please fax written changes to (575) 393-2326



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

April 06, 2022

TOM BYNUM

PIMA ENVIROMENTAL

1601 N TURNER STE. 500

HOBBS, NM 88240

RE: ROSCOE 6 B3AD FEDERAL COM #001H

Enclosed are the results of analyses for samples received by the laboratory on 03/31/22 16:00.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-21-14. 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/qa/lab_accred_certif.html.

Cardinal Laboratories is accredited 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.

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,

A handwritten signature in black ink that reads "Celey D. Keene".

Celey D. Keene

Lab Director/Quality Manager



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

Analytical Results For:

PIMA ENVIROMENTAL
 TOM BYNUM
 1601 N TURNER STE. 500
 HOBBS NM, 88240
 Fax To:

Received:	03/31/2022	Sampling Date:	03/31/2022
Reported:	04/06/2022	Sampling Type:	Soil
Project Name:	ROSCOE 6 B3AD FEDERAL COM #001H	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	MEWBOURNE		

Sample ID: BG - 1 (H221299-01)

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	04/04/2022	ND	2.12	106	2.00	11.5		
Toluene*	<0.050	0.050	04/04/2022	ND	2.09	105	2.00	12.1		
Ethylbenzene*	<0.050	0.050	04/04/2022	ND	1.98	99.2	2.00	11.2		
Total Xylenes*	<0.150	0.150	04/04/2022	ND	6.19	103	6.00	11.6		
Total BTEX	<0.300	0.300	04/04/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 102 % 69.9-140

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	48.0	16.0	04/05/2022	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	<10.0	10.0	04/04/2022	ND	166	83.2	200	6.59		
DRO >C10-C28*	<10.0	10.0	04/04/2022	ND	157	78.6	200	12.8		
EXT DRO >C28-C36	<10.0	10.0	04/04/2022	ND						

Surrogate: 1-Chlorooctane 95.7 % 66.9-136

Surrogate: 1-Chlorooctadecane 101 % 59.5-142

Cardinal Laboratories

* = Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

PIMA ENVIROMENTAL
 TOM BYNUM
 1601 N TURNER STE. 500
 HOBBS NM, 88240
 Fax To:

Received:	03/31/2022	Sampling Date:	03/31/2022
Reported:	04/06/2022	Sampling Type:	Soil
Project Name:	ROSCOE 6 B3AD FEDERAL COM #001H	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	MEWBOURNE		

Sample ID: BG - 2 (H221299-02)

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	04/04/2022	ND	2.12	106	2.00	11.5	
Toluene*	<0.050	0.050	04/04/2022	ND	2.09	105	2.00	12.1	
Ethylbenzene*	<0.050	0.050	04/04/2022	ND	1.98	99.2	2.00	11.2	
Total Xylenes*	<0.150	0.150	04/04/2022	ND	6.19	103	6.00	11.6	
Total BTEX	<0.300	0.300	04/04/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 103 % 69.9-140

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	04/05/2022	ND	416	104	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/04/2022	ND	166	83.2	200	6.59	
DRO >C10-C28*	<10.0	10.0	04/04/2022	ND	157	78.6	200	12.8	
EXT DRO >C28-C36	<10.0	10.0	04/04/2022	ND					

Surrogate: 1-Chlorooctane 93.4 % 66.9-136

Surrogate: 1-Chlorooctadecane 98.5 % 59.5-142

Cardinal Laboratories

*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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Notes and Definitions

- BS-3 Blank spike recovery outside of lab established statistical limits, but still within method limits. Data is not adversely affected.
- 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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*=Accredited Analyte

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Celey D. Keene

Celey D. Keene, Lab Director/Quality Manager



CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

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

Form with sections: Company Name: Pima Environmental Services, Project Manager: Tom Bynum, Address: 5614 N. Lovington Hwy, City: Hobbs, State: NM, Zip: 88240. Includes BILL TO and ANALYSIS REQUEST columns.

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.

Signature and Date section: Relinquished By: Sebastian I., Received By: Tamara Oldenberger, Date: 3-30-22, Time: 1:00. Includes checkboxes for Phone Result, Fax Result, and Sample Condition.

† Cardinal cannot accept verbal changes. Please fax written changes to (575) 393-2326



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

April 21, 2022

TOM BYNUM

PIMA ENVIROMENTAL

1601 N TURNER STE. 500

HOBBS, NM 88240

RE: ROSCOE 6 B3AD FEDERAL COM #001H

Enclosed are the results of analyses for samples received by the laboratory on 04/14/22 15:46.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-21-14. 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/qa/lab_accred_certif.html.

Cardinal Laboratories is accredited 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.

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,

A handwritten signature in black ink that reads "Celey D. Keene".

Celey D. Keene

Lab Director/Quality Manager



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

Analytical Results For:

PIMA ENVIROMENTAL
 TOM BYNUM
 1601 N TURNER STE. 500
 HOBBS NM, 88240
 Fax To:

Received:	04/14/2022	Sampling Date:	04/14/2022
Reported:	04/21/2022	Sampling Type:	Soil
Project Name:	ROSCOE 6 B3AD FEDERAL COM #001H	Sampling Condition:	Cool & Intact
Project Number:	12-83	Sample Received By:	Shalyn Rodriguez
Project Location:	MEWBOURNE - EDDY CO NM		

Sample ID: CSW - 1 (H221576-01)

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	04/20/2022	ND	2.01	100	2.00	1.56	
Toluene*	<0.050	0.050	04/20/2022	ND	2.00	100	2.00	2.27	
Ethylbenzene*	<0.050	0.050	04/20/2022	ND	1.99	99.7	2.00	1.48	
Total Xylenes*	<0.150	0.150	04/20/2022	ND	6.22	104	6.00	1.41	
Total BTEX	<0.300	0.300	04/20/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 103 % 69.9-140

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	320	16.0	04/20/2022	ND	416	104	400	0.00	

TPH 8015M		mg/kg		Analyzed By: CK						S-04
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	<10.0	10.0	04/19/2022	ND	211	106	200	0.463		
DRO >C10-C28*	<10.0	10.0	04/19/2022	ND	214	107	200	1.23		
EXT DRO >C28-C36	<10.0	10.0	04/19/2022	ND						

Surrogate: 1-Chlorooctane 132 % 66.9-136

Surrogate: 1-Chlorooctadecane 149 % 59.5-142

Cardinal Laboratories

*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

PIMA ENVIROMENTAL
 TOM BYNUM
 1601 N TURNER STE. 500
 HOBBS NM, 88240
 Fax To:

Received:	04/14/2022	Sampling Date:	04/14/2022
Reported:	04/21/2022	Sampling Type:	Soil
Project Name:	ROSCOE 6 B3AD FEDERAL COM #001H	Sampling Condition:	Cool & Intact
Project Number:	12-83	Sample Received By:	Shalyn Rodriguez
Project Location:	MEWBOURNE - EDDY CO NM		

Sample ID: CSW - 2 (H221576-02)

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	04/20/2022	ND	2.01	100	2.00	1.56	
Toluene*	<0.050	0.050	04/20/2022	ND	2.00	100	2.00	2.27	
Ethylbenzene*	<0.050	0.050	04/20/2022	ND	1.99	99.7	2.00	1.48	
Total Xylenes*	<0.150	0.150	04/20/2022	ND	6.22	104	6.00	1.41	
Total BTEX	<0.300	0.300	04/20/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 104 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	240	16.0	04/20/2022	ND	416	104	400	0.00	

TPH 8015M		mg/kg		Analyzed By: CK						S-04
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	<10.0	10.0	04/20/2022	ND	211	106	200	0.463		
DRO >C10-C28*	<10.0	10.0	04/20/2022	ND	214	107	200	1.23		
EXT DRO >C28-C36	<10.0	10.0	04/20/2022	ND						

Surrogate: 1-Chlorooctane 126 % 66.9-136

Surrogate: 1-Chlorooctadecane 144 % 59.5-142

Cardinal Laboratories

*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

PIMA ENVIROMENTAL
 TOM BYNUM
 1601 N TURNER STE. 500
 HOBBS NM, 88240
 Fax To:

Received:	04/14/2022	Sampling Date:	04/14/2022
Reported:	04/21/2022	Sampling Type:	Soil
Project Name:	ROSCOE 6 B3AD FEDERAL COM #001H	Sampling Condition:	Cool & Intact
Project Number:	12-83	Sample Received By:	Shalyn Rodriguez
Project Location:	MEWBOURNE - EDDY CO NM		

Sample ID: CSW - 3 (H221576-03)

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	04/20/2022	ND	2.01	100	2.00	1.56		
Toluene*	<0.050	0.050	04/20/2022	ND	2.00	100	2.00	2.27		
Ethylbenzene*	<0.050	0.050	04/20/2022	ND	1.99	99.7	2.00	1.48		
Total Xylenes*	<0.150	0.150	04/20/2022	ND	6.22	104	6.00	1.41		
Total BTEX	<0.300	0.300	04/20/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 104 % 69.9-140

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	112	16.0	04/20/2022	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: CK						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	<10.0	10.0	04/20/2022	ND	211	106	200	0.463		
DRO >C10-C28*	<10.0	10.0	04/20/2022	ND	214	107	200	1.23		
EXT DRO >C28-C36	<10.0	10.0	04/20/2022	ND						

Surrogate: 1-Chlorooctane 121 % 66.9-136

Surrogate: 1-Chlorooctadecane 139 % 59.5-142

Cardinal Laboratories

*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

PIMA ENVIROMENTAL
 TOM BYNUM
 1601 N TURNER STE. 500
 HOBBS NM, 88240
 Fax To:

Received:	04/14/2022	Sampling Date:	04/14/2022
Reported:	04/21/2022	Sampling Type:	Soil
Project Name:	ROSCOE 6 B3AD FEDERAL COM #001H	Sampling Condition:	Cool & Intact
Project Number:	12-83	Sample Received By:	Shalyn Rodriguez
Project Location:	MEWBOURNE - EDDY CO NM		

Sample ID: CSW - 4 (H221576-04)

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	04/20/2022	ND	2.01	100	2.00	1.56	
Toluene*	<0.050	0.050	04/20/2022	ND	2.00	100	2.00	2.27	
Ethylbenzene*	<0.050	0.050	04/20/2022	ND	1.99	99.7	2.00	1.48	
Total Xylenes*	<0.150	0.150	04/20/2022	ND	6.22	104	6.00	1.41	
Total BTEX	<0.300	0.300	04/20/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 104 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	320	16.0	04/20/2022	ND	416	104	400	0.00	

TPH 8015M		mg/kg		Analyzed By: CK						S-04
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	<10.0	10.0	04/20/2022	ND	211	106	200	0.463		
DRO >C10-C28*	<10.0	10.0	04/20/2022	ND	214	107	200	1.23		
EXT DRO >C28-C36	<10.0	10.0	04/20/2022	ND						

Surrogate: 1-Chlorooctane 125 % 66.9-136

Surrogate: 1-Chlorooctadecane 145 % 59.5-142

Cardinal Laboratories

*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

PIMA ENVIROMENTAL
 TOM BYNUM
 1601 N TURNER STE. 500
 HOBBS NM, 88240
 Fax To:

Received:	04/14/2022	Sampling Date:	04/14/2022
Reported:	04/21/2022	Sampling Type:	Soil
Project Name:	ROSCOE 6 B3AD FEDERAL COM #001H	Sampling Condition:	Cool & Intact
Project Number:	12-83	Sample Received By:	Shalyn Rodriguez
Project Location:	MEWBOURNE - EDDY CO NM		

Sample ID: CSW - 5 (H221576-05)

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	04/20/2022	ND	2.01	100	2.00	1.56	
Toluene*	<0.050	0.050	04/20/2022	ND	2.00	100	2.00	2.27	
Ethylbenzene*	<0.050	0.050	04/20/2022	ND	1.99	99.7	2.00	1.48	
Total Xylenes*	<0.150	0.150	04/20/2022	ND	6.22	104	6.00	1.41	
Total BTEX	<0.300	0.300	04/20/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 103 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	208	16.0	04/20/2022	ND	416	104	400	0.00	

TPH 8015M		mg/kg		Analyzed By: CK						S-04
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	<10.0	10.0	04/20/2022	ND	211	106	200	0.463		
DRO >C10-C28*	<10.0	10.0	04/20/2022	ND	214	107	200	1.23		
EXT DRO >C28-C36	<10.0	10.0	04/20/2022	ND						

Surrogate: 1-Chlorooctane 122 % 66.9-136

Surrogate: 1-Chlorooctadecane 145 % 59.5-142

Cardinal Laboratories

*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

PIMA ENVIROMENTAL
 TOM BYNUM
 1601 N TURNER STE. 500
 HOBBS NM, 88240
 Fax To:

Received:	04/14/2022	Sampling Date:	04/14/2022
Reported:	04/21/2022	Sampling Type:	Soil
Project Name:	ROSCOE 6 B3AD FEDERAL COM #001H	Sampling Condition:	Cool & Intact
Project Number:	12-83	Sample Received By:	Shalyn Rodriguez
Project Location:	MEWBOURNE - EDDY CO NM		

Sample ID: CSW - 6 (H221576-06)

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	04/20/2022	ND	2.01	100	2.00	1.56		
Toluene*	<0.050	0.050	04/20/2022	ND	2.00	100	2.00	2.27		
Ethylbenzene*	<0.050	0.050	04/20/2022	ND	1.99	99.7	2.00	1.48		
Total Xylenes*	<0.150	0.150	04/20/2022	ND	6.22	104	6.00	1.41		
Total BTEX	<0.300	0.300	04/20/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 103 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	320	16.0	04/20/2022	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: CK						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	<10.0	10.0	04/20/2022	ND	211	106	200	0.463		
DRO >C10-C28*	<10.0	10.0	04/20/2022	ND	214	107	200	1.23		
EXT DRO >C28-C36	<10.0	10.0	04/20/2022	ND						

Surrogate: 1-Chlorooctane 115 % 66.9-136

Surrogate: 1-Chlorooctadecane 135 % 59.5-142

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

PIMA ENVIROMENTAL
 TOM BYNUM
 1601 N TURNER STE. 500
 HOBBS NM, 88240
 Fax To:

Received:	04/14/2022	Sampling Date:	04/14/2022
Reported:	04/21/2022	Sampling Type:	Soil
Project Name:	ROSCOE 6 B3AD FEDERAL COM #001H	Sampling Condition:	Cool & Intact
Project Number:	12-83	Sample Received By:	Shalyn Rodriguez
Project Location:	MEWBOURNE - EDDY CO NM		

Sample ID: CSW - 7 (H221576-07)

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	04/20/2022	ND	2.01	100	2.00	1.56		
Toluene*	<0.050	0.050	04/20/2022	ND	2.00	100	2.00	2.27		
Ethylbenzene*	<0.050	0.050	04/20/2022	ND	1.99	99.7	2.00	1.48		
Total Xylenes*	<0.150	0.150	04/20/2022	ND	6.22	104	6.00	1.41		
Total BTEX	<0.300	0.300	04/20/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 104 % 69.9-140

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	272	16.0	04/20/2022	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: CK							S-04
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier		
GRO C6-C10*	<10.0	10.0	04/20/2022	ND	211	106	200	0.463			
DRO >C10-C28*	<10.0	10.0	04/20/2022	ND	214	107	200	1.23			
EXT DRO >C28-C36	<10.0	10.0	04/20/2022	ND							

Surrogate: 1-Chlorooctane 133 % 66.9-136

Surrogate: 1-Chlorooctadecane 150 % 59.5-142

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

PIMA ENVIROMENTAL
TOM BYNUM
1601 N TURNER STE. 500
HOBBS NM, 88240
Fax To:

Received:	04/14/2022	Sampling Date:	04/14/2022
Reported:	04/21/2022	Sampling Type:	Soil
Project Name:	ROSCOE 6 B3AD FEDERAL COM #001H	Sampling Condition:	Cool & Intact
Project Number:	12-83	Sample Received By:	Shalyn Rodriguez
Project Location:	MEWBOURNE - EDDY CO NM		

Sample ID: CSW - 8 (H221576-08)

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	04/20/2022	ND	2.01	100	2.00	1.56	
Toluene*	<0.050	0.050	04/20/2022	ND	2.00	100	2.00	2.27	
Ethylbenzene*	<0.050	0.050	04/20/2022	ND	1.99	99.7	2.00	1.48	
Total Xylenes*	<0.150	0.150	04/20/2022	ND	6.22	104	6.00	1.41	
Total BTEX	<0.300	0.300	04/20/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 104 % 69.9-140

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	128	16.0	04/20/2022	ND	416	104	400	0.00	

TPH 8015M		mg/kg		Analyzed By: CK						S-04
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	<10.0	10.0	04/20/2022	ND	211	106	200	0.463		
DRO >C10-C28*	<10.0	10.0	04/20/2022	ND	214	107	200	1.23		
EXT DRO >C28-C36	<10.0	10.0	04/20/2022	ND						

Surrogate: 1-Chlorooctane 136 % 66.9-136

Surrogate: 1-Chlorooctadecane 153 % 59.5-142

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

PIMA ENVIROMENTAL
 TOM BYNUM
 1601 N TURNER STE. 500
 HOBBS NM, 88240
 Fax To:

Received:	04/14/2022	Sampling Date:	04/14/2022
Reported:	04/21/2022	Sampling Type:	Soil
Project Name:	ROSCOE 6 B3AD FEDERAL COM #001H	Sampling Condition:	Cool & Intact
Project Number:	12-83	Sample Received By:	Shalyn Rodriguez
Project Location:	MEWBOURNE - EDDY CO NM		

Sample ID: CS - 1 (H221576-09)

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	04/20/2022	ND	2.01	100	2.00	1.56	
Toluene*	<0.050	0.050	04/20/2022	ND	2.00	100	2.00	2.27	
Ethylbenzene*	<0.050	0.050	04/20/2022	ND	1.99	99.7	2.00	1.48	
Total Xylenes*	<0.150	0.150	04/20/2022	ND	6.22	104	6.00	1.41	
Total BTEX	<0.300	0.300	04/20/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 104 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	272	16.0	04/20/2022	ND	416	104	400	0.00	

TPH 8015M		mg/kg		Analyzed By: CK						S-04
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	<10.0	10.0	04/20/2022	ND	211	106	200	0.463		
DRO >C10-C28*	<10.0	10.0	04/20/2022	ND	214	107	200	1.23		
EXT DRO >C28-C36	<10.0	10.0	04/20/2022	ND						

Surrogate: 1-Chlorooctane 135 % 66.9-136

Surrogate: 1-Chlorooctadecane 152 % 59.5-142

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

PIMA ENVIROMENTAL
 TOM BYNUM
 1601 N TURNER STE. 500
 HOBBS NM, 88240
 Fax To:

Received:	04/14/2022	Sampling Date:	04/14/2022
Reported:	04/21/2022	Sampling Type:	Soil
Project Name:	ROSCOE 6 B3AD FEDERAL COM #001H	Sampling Condition:	Cool & Intact
Project Number:	12-83	Sample Received By:	Shalyn Rodriguez
Project Location:	MEWBOURNE - EDDY CO NM		

Sample ID: CS - 2 (H221576-10)

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	04/20/2022	ND	2.01	100	2.00	1.56	
Toluene*	<0.050	0.050	04/20/2022	ND	2.00	100	2.00	2.27	
Ethylbenzene*	<0.050	0.050	04/20/2022	ND	1.99	99.7	2.00	1.48	
Total Xylenes*	<0.150	0.150	04/20/2022	ND	6.22	104	6.00	1.41	
Total BTEX	<0.300	0.300	04/20/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 104 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	432	16.0	04/20/2022	ND	416	104	400	0.00	

TPH 8015M		mg/kg		Analyzed By: CK						S-04
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	<10.0	10.0	04/20/2022	ND	211	106	200	0.463		
DRO >C10-C28*	<10.0	10.0	04/20/2022	ND	214	107	200	1.23		
EXT DRO >C28-C36	<10.0	10.0	04/20/2022	ND						

Surrogate: 1-Chlorooctane 143 % 66.9-136

Surrogate: 1-Chlorooctadecane 160 % 59.5-142

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

PIMA ENVIROMENTAL
 TOM BYNUM
 1601 N TURNER STE. 500
 HOBBS NM, 88240
 Fax To:

Received:	04/14/2022	Sampling Date:	04/14/2022
Reported:	04/21/2022	Sampling Type:	Soil
Project Name:	ROSCOE 6 B3AD FEDERAL COM #001H	Sampling Condition:	Cool & Intact
Project Number:	12-83	Sample Received By:	Shalyn Rodriguez
Project Location:	MEWBOURNE - EDDY CO NM		

Sample ID: CS - 3 (H221576-11)

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	04/20/2022	ND	2.01	100	2.00	1.56	
Toluene*	<0.050	0.050	04/20/2022	ND	2.00	100	2.00	2.27	
Ethylbenzene*	<0.050	0.050	04/20/2022	ND	1.99	99.7	2.00	1.48	
Total Xylenes*	<0.150	0.150	04/20/2022	ND	6.22	104	6.00	1.41	
Total BTEX	<0.300	0.300	04/20/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 103 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	160	16.0	04/20/2022	ND	416	104	400	0.00	

TPH 8015M		mg/kg		Analyzed By: CK						S-04
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	<10.0	10.0	04/20/2022	ND	211	106	200	0.463		
DRO >C10-C28*	<10.0	10.0	04/20/2022	ND	214	107	200	1.23		
EXT DRO >C28-C36	<10.0	10.0	04/20/2022	ND						

Surrogate: 1-Chlorooctane 125 % 66.9-136

Surrogate: 1-Chlorooctadecane 143 % 59.5-142

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

PIMA ENVIROMENTAL
 TOM BYNUM
 1601 N TURNER STE. 500
 HOBBS NM, 88240
 Fax To:

Received:	04/14/2022	Sampling Date:	04/14/2022
Reported:	04/21/2022	Sampling Type:	Soil
Project Name:	ROSCOE 6 B3AD FEDERAL COM #001H	Sampling Condition:	Cool & Intact
Project Number:	12-83	Sample Received By:	Shalyn Rodriguez
Project Location:	MEWBOURNE - EDDY CO NM		

Sample ID: CS - 4 (H221576-12)

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	04/20/2022	ND	1.99	99.7	2.00	1.68	
Toluene*	<0.050	0.050	04/20/2022	ND	2.01	101	2.00	1.36	
Ethylbenzene*	<0.050	0.050	04/20/2022	ND	1.97	98.6	2.00	1.67	
Total Xylenes*	<0.150	0.150	04/20/2022	ND	6.09	102	6.00	2.27	
Total BTEX	<0.300	0.300	04/20/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 105 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	272	16.0	04/20/2022	ND	416	104	400	0.00	

TPH 8015M		mg/kg		Analyzed By: CK						S-04
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	<10.0	10.0	04/20/2022	ND	211	106	200	0.463		
DRO >C10-C28*	<10.0	10.0	04/20/2022	ND	214	107	200	1.23		
EXT DRO >C28-C36	<10.0	10.0	04/20/2022	ND						

Surrogate: 1-Chlorooctane 138 % 66.9-136

Surrogate: 1-Chlorooctadecane 161 % 59.5-142

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

PIMA ENVIROMENTAL
 TOM BYNUM
 1601 N TURNER STE. 500
 HOBBS NM, 88240
 Fax To:

Received:	04/14/2022	Sampling Date:	04/14/2022
Reported:	04/21/2022	Sampling Type:	Soil
Project Name:	ROSCOE 6 B3AD FEDERAL COM #001H	Sampling Condition:	Cool & Intact
Project Number:	12-83	Sample Received By:	Shalyn Rodriguez
Project Location:	MEWBOURNE - EDDY CO NM		

Sample ID: CS - 5 (H221576-13)

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	04/20/2022	ND	1.99	99.7	2.00	1.68	
Toluene*	<0.050	0.050	04/20/2022	ND	2.01	101	2.00	1.36	
Ethylbenzene*	<0.050	0.050	04/20/2022	ND	1.97	98.6	2.00	1.67	
Total Xylenes*	<0.150	0.150	04/20/2022	ND	6.09	102	6.00	2.27	
Total BTEX	<0.300	0.300	04/20/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 104 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	256	16.0	04/20/2022	ND	416	104	400	0.00	

TPH 8015M		mg/kg		Analyzed By: CK						S-04
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	<10.0	10.0	04/20/2022	ND	211	106	200	0.463		
DRO >C10-C28*	<10.0	10.0	04/20/2022	ND	214	107	200	1.23		
EXT DRO >C28-C36	<10.0	10.0	04/20/2022	ND						

Surrogate: 1-Chlorooctane 131 % 66.9-136

Surrogate: 1-Chlorooctadecane 152 % 59.5-142

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

PIMA ENVIROMENTAL
 TOM BYNUM
 1601 N TURNER STE. 500
 HOBBS NM, 88240
 Fax To:

Received:	04/14/2022	Sampling Date:	04/14/2022
Reported:	04/21/2022	Sampling Type:	Soil
Project Name:	ROSCOE 6 B3AD FEDERAL COM #001H	Sampling Condition:	Cool & Intact
Project Number:	12-83	Sample Received By:	Shalyn Rodriguez
Project Location:	MEWBOURNE - EDDY CO NM		

Sample ID: CS - 6 (H221576-14)

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	04/20/2022	ND	1.99	99.7	2.00	1.68	
Toluene*	<0.050	0.050	04/20/2022	ND	2.01	101	2.00	1.36	
Ethylbenzene*	<0.050	0.050	04/20/2022	ND	1.97	98.6	2.00	1.67	
Total Xylenes*	<0.150	0.150	04/20/2022	ND	6.09	102	6.00	2.27	
Total BTEX	<0.300	0.300	04/20/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 105 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	256	16.0	04/20/2022	ND	416	104	400	0.00	

TPH 8015M		mg/kg		Analyzed By: CK						S-04
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	<10.0	10.0	04/20/2022	ND	211	106	200	0.463		
DRO >C10-C28*	<10.0	10.0	04/20/2022	ND	214	107	200	1.23		
EXT DRO >C28-C36	<10.0	10.0	04/20/2022	ND						

Surrogate: 1-Chlorooctane 141 % 66.9-136

Surrogate: 1-Chlorooctadecane 163 % 59.5-142

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

PIMA ENVIROMENTAL
 TOM BYNUM
 1601 N TURNER STE. 500
 HOBBS NM, 88240
 Fax To:

Received:	04/14/2022	Sampling Date:	04/14/2022
Reported:	04/21/2022	Sampling Type:	Soil
Project Name:	ROSCOE 6 B3AD FEDERAL COM #001H	Sampling Condition:	Cool & Intact
Project Number:	12-83	Sample Received By:	Shalyn Rodriguez
Project Location:	MEWBOURNE - EDDY CO NM		

Sample ID: CS - 7 (H221576-15)

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	04/20/2022	ND	1.99	99.7	2.00	1.68	
Toluene*	<0.050	0.050	04/20/2022	ND	2.01	101	2.00	1.36	
Ethylbenzene*	<0.050	0.050	04/20/2022	ND	1.97	98.6	2.00	1.67	
Total Xylenes*	<0.150	0.150	04/20/2022	ND	6.09	102	6.00	2.27	
Total BTEX	<0.300	0.300	04/20/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 105 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	160	16.0	04/20/2022	ND	416	104	400	0.00	

TPH 8015M		mg/kg		Analyzed By: CK						S-04
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	<10.0	10.0	04/20/2022	ND	211	106	200	0.463		
DRO >C10-C28*	<10.0	10.0	04/20/2022	ND	214	107	200	1.23		
EXT DRO >C28-C36	<10.0	10.0	04/20/2022	ND						

Surrogate: 1-Chlorooctane 139 % 66.9-136

Surrogate: 1-Chlorooctadecane 154 % 59.5-142

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

PIMA ENVIROMENTAL
 TOM BYNUM
 1601 N TURNER STE. 500
 HOBBS NM, 88240
 Fax To:

Received:	04/14/2022	Sampling Date:	04/14/2022
Reported:	04/21/2022	Sampling Type:	Soil
Project Name:	ROSCOE 6 B3AD FEDERAL COM #001H	Sampling Condition:	Cool & Intact
Project Number:	12-83	Sample Received By:	Shalyn Rodriguez
Project Location:	MEWBOURNE - EDDY CO NM		

Sample ID: CS - 8 (H221576-16)

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	04/20/2022	ND	1.99	99.7	2.00	1.68	
Toluene*	<0.050	0.050	04/20/2022	ND	2.01	101	2.00	1.36	
Ethylbenzene*	<0.050	0.050	04/20/2022	ND	1.97	98.6	2.00	1.67	
Total Xylenes*	<0.150	0.150	04/20/2022	ND	6.09	102	6.00	2.27	
Total BTEX	<0.300	0.300	04/20/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 104 % 69.9-140

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	160	16.0	04/20/2022	ND	416	104	400	0.00	

TPH 8015M		mg/kg		Analyzed By: CK						S-04
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	<10.0	10.0	04/20/2022	ND	211	106	200	0.463		
DRO >C10-C28*	<10.0	10.0	04/20/2022	ND	214	107	200	1.23		
EXT DRO >C28-C36	<10.0	10.0	04/20/2022	ND						

Surrogate: 1-Chlorooctane 135 % 66.9-136

Surrogate: 1-Chlorooctadecane 155 % 59.5-142

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

PIMA ENVIROMENTAL
 TOM BYNUM
 1601 N TURNER STE. 500
 HOBBS NM, 88240
 Fax To:

Received:	04/14/2022	Sampling Date:	04/14/2022
Reported:	04/21/2022	Sampling Type:	Soil
Project Name:	ROSCOE 6 B3AD FEDERAL COM #001H	Sampling Condition:	Cool & Intact
Project Number:	12-83	Sample Received By:	Shalyn Rodriguez
Project Location:	MEWBOURNE - EDDY CO NM		

Sample ID: CS - 9 (H221576-17)

BTEX 8021B		mg/kg		Analyzed By: MS\					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	04/20/2022	ND	1.99	99.7	2.00	1.68	
Toluene*	<0.050	0.050	04/20/2022	ND	2.01	101	2.00	1.36	
Ethylbenzene*	<0.050	0.050	04/20/2022	ND	1.97	98.6	2.00	1.67	
Total Xylenes*	<0.150	0.150	04/20/2022	ND	6.09	102	6.00	2.27	
Total BTEX	<0.300	0.300	04/20/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 104 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	240	16.0	04/20/2022	ND	416	104	400	0.00	

TPH 8015M		mg/kg		Analyzed By: CK						S-04
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	<10.0	10.0	04/20/2022	ND	211	106	200	0.463		
DRO >C10-C28*	<10.0	10.0	04/20/2022	ND	214	107	200	1.23		
EXT DRO >C28-C36	<10.0	10.0	04/20/2022	ND						

Surrogate: 1-Chlorooctane 127 % 66.9-136

Surrogate: 1-Chlorooctadecane 143 % 59.5-142

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

PIMA ENVIROMENTAL
 TOM BYNUM
 1601 N TURNER STE. 500
 HOBBS NM, 88240
 Fax To:

Received:	04/14/2022	Sampling Date:	04/14/2022
Reported:	04/21/2022	Sampling Type:	Soil
Project Name:	ROSCOE 6 B3AD FEDERAL COM #001H	Sampling Condition:	Cool & Intact
Project Number:	12-83	Sample Received By:	Shalyn Rodriguez
Project Location:	MEWBOURNE - EDDY CO NM		

Sample ID: CS - 10 (H221576-18)

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	04/20/2022	ND	1.99	99.7	2.00	1.68	
Toluene*	<0.050	0.050	04/20/2022	ND	2.01	101	2.00	1.36	
Ethylbenzene*	<0.050	0.050	04/20/2022	ND	1.97	98.6	2.00	1.67	
Total Xylenes*	<0.150	0.150	04/20/2022	ND	6.09	102	6.00	2.27	
Total BTEX	<0.300	0.300	04/20/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 104 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	304	16.0	04/20/2022	ND	416	104	400	0.00	

TPH 8015M		mg/kg		Analyzed By: CK						S-04
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	<10.0	10.0	04/20/2022	ND	211	106	200	0.463		
DRO >C10-C28*	<10.0	10.0	04/20/2022	ND	214	107	200	1.23		
EXT DRO >C28-C36	<10.0	10.0	04/20/2022	ND						

Surrogate: 1-Chlorooctane 137 % 66.9-136

Surrogate: 1-Chlorooctadecane 156 % 59.5-142

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

PIMA ENVIROMENTAL
 TOM BYNUM
 1601 N TURNER STE. 500
 HOBBS NM, 88240
 Fax To:

Received:	04/14/2022	Sampling Date:	04/14/2022
Reported:	04/21/2022	Sampling Type:	Soil
Project Name:	ROSCOE 6 B3AD FEDERAL COM #001H	Sampling Condition:	Cool & Intact
Project Number:	12-83	Sample Received By:	Shalyn Rodriguez
Project Location:	MEWBOURNE - EDDY CO NM		

Sample ID: CS - 11 (H221576-19)

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	04/20/2022	ND	1.99	99.7	2.00	1.68	
Toluene*	<0.050	0.050	04/20/2022	ND	2.01	101	2.00	1.36	
Ethylbenzene*	<0.050	0.050	04/20/2022	ND	1.97	98.6	2.00	1.67	
Total Xylenes*	<0.150	0.150	04/20/2022	ND	6.09	102	6.00	2.27	
Total BTEX	<0.300	0.300	04/20/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 104 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	432	16.0	04/20/2022	ND	416	104	400	0.00	

TPH 8015M		mg/kg		Analyzed By: CK						S-04
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	<10.0	10.0	04/20/2022	ND	211	106	200	0.463		
DRO >C10-C28*	<10.0	10.0	04/20/2022	ND	214	107	200	1.23		
EXT DRO >C28-C36	<10.0	10.0	04/20/2022	ND						

Surrogate: 1-Chlorooctane 133 % 66.9-136

Surrogate: 1-Chlorooctadecane 152 % 59.5-142

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

PIMA ENVIROMENTAL
 TOM BYNUM
 1601 N TURNER STE. 500
 HOBBS NM, 88240
 Fax To:

Received:	04/14/2022	Sampling Date:	04/14/2022
Reported:	04/21/2022	Sampling Type:	Soil
Project Name:	ROSCOE 6 B3AD FEDERAL COM #001H	Sampling Condition:	Cool & Intact
Project Number:	12-83	Sample Received By:	Shalyn Rodriguez
Project Location:	MEWBOURNE - EDDY CO NM		

Sample ID: CS - 12 (H221576-20)

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	04/20/2022	ND	1.99	99.7	2.00	1.68	
Toluene*	<0.050	0.050	04/20/2022	ND	2.01	101	2.00	1.36	
Ethylbenzene*	<0.050	0.050	04/20/2022	ND	1.97	98.6	2.00	1.67	
Total Xylenes*	<0.150	0.150	04/20/2022	ND	6.09	102	6.00	2.27	
Total BTEX	<0.300	0.300	04/20/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 104 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	176	16.0	04/20/2022	ND	416	104	400	0.00	

TPH 8015M		mg/kg		Analyzed By: CK						S-04
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	<10.0	10.0	04/20/2022	ND	211	106	200	0.463		
DRO >C10-C28*	<10.0	10.0	04/20/2022	ND	214	107	200	1.23		
EXT DRO >C28-C36	<10.0	10.0	04/20/2022	ND						

Surrogate: 1-Chlorooctane 127 % 66.9-136

Surrogate: 1-Chlorooctadecane 143 % 59.5-142

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

PIMA ENVIROMENTAL
 TOM BYNUM
 1601 N TURNER STE. 500
 HOBBS NM, 88240
 Fax To:

Received:	04/14/2022	Sampling Date:	04/14/2022
Reported:	04/21/2022	Sampling Type:	Soil
Project Name:	ROSCOE 6 B3AD FEDERAL COM #001H	Sampling Condition:	Cool & Intact
Project Number:	12-83	Sample Received By:	Shalyn Rodriguez
Project Location:	MEWBOURNE - EDDY CO NM		

Sample ID: CS - 13 (H221576-21)

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	04/20/2022	ND	1.99	99.7	2.00	1.68	
Toluene*	<0.050	0.050	04/20/2022	ND	2.01	101	2.00	1.36	
Ethylbenzene*	<0.050	0.050	04/20/2022	ND	1.97	98.6	2.00	1.67	
Total Xylenes*	<0.150	0.150	04/20/2022	ND	6.09	102	6.00	2.27	
Total BTEX	<0.300	0.300	04/20/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 103 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	288	16.0	04/20/2022	ND	400	100	400	3.92	

TPH 8015M		mg/kg		Analyzed By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/20/2022	ND	202	101	200	0.0905	
DRO >C10-C28*	<10.0	10.0	04/20/2022	ND	194	96.9	200	2.18	
EXT DRO >C28-C36	<10.0	10.0	04/20/2022	ND					

Surrogate: 1-Chlorooctane 95.7 % 66.9-136

Surrogate: 1-Chlorooctadecane 95.3 % 59.5-142

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

PIMA ENVIROMENTAL
 TOM BYNUM
 1601 N TURNER STE. 500
 HOBBS NM, 88240
 Fax To:

Received:	04/14/2022	Sampling Date:	04/14/2022
Reported:	04/21/2022	Sampling Type:	Soil
Project Name:	ROSCOE 6 B3AD FEDERAL COM #001H	Sampling Condition:	Cool & Intact
Project Number:	12-83	Sample Received By:	Shalyn Rodriguez
Project Location:	MEWBOURNE - EDDY CO NM		

Sample ID: CS - 14 (H221576-22)

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	04/20/2022	ND	1.99	99.7	2.00	1.68	
Toluene*	<0.050	0.050	04/20/2022	ND	2.01	101	2.00	1.36	
Ethylbenzene*	<0.050	0.050	04/20/2022	ND	1.97	98.6	2.00	1.67	
Total Xylenes*	<0.150	0.150	04/20/2022	ND	6.09	102	6.00	2.27	
Total BTEX	<0.300	0.300	04/20/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 104 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	288	16.0	04/20/2022	ND	400	100	400	3.92	

TPH 8015M		mg/kg		Analyzed By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/20/2022	ND	202	101	200	0.0905	
DRO >C10-C28*	<10.0	10.0	04/20/2022	ND	194	96.9	200	2.18	
EXT DRO >C28-C36	<10.0	10.0	04/20/2022	ND					

Surrogate: 1-Chlorooctane 96.3 % 66.9-136

Surrogate: 1-Chlorooctadecane 93.9 % 59.5-142

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

PIMA ENVIROMENTAL
 TOM BYNUM
 1601 N TURNER STE. 500
 HOBBS NM, 88240
 Fax To:

Received:	04/14/2022	Sampling Date:	04/14/2022
Reported:	04/21/2022	Sampling Type:	Soil
Project Name:	ROSCOE 6 B3AD FEDERAL COM #001H	Sampling Condition:	Cool & Intact
Project Number:	12-83	Sample Received By:	Shalyn Rodriguez
Project Location:	MEWBOURNE - EDDY CO NM		

Sample ID: CS - 15 (H221576-23)

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	04/20/2022	ND	1.99	99.7	2.00	1.68	
Toluene*	<0.050	0.050	04/20/2022	ND	2.01	101	2.00	1.36	
Ethylbenzene*	<0.050	0.050	04/20/2022	ND	1.97	98.6	2.00	1.67	
Total Xylenes*	<0.150	0.150	04/20/2022	ND	6.09	102	6.00	2.27	
Total BTEX	<0.300	0.300	04/20/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 105 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	160	16.0	04/20/2022	ND	400	100	400	3.92	

TPH 8015M		mg/kg		Analyzed By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/20/2022	ND	202	101	200	0.0905	
DRO >C10-C28*	<10.0	10.0	04/20/2022	ND	194	96.9	200	2.18	
EXT DRO >C28-C36	<10.0	10.0	04/20/2022	ND					

Surrogate: 1-Chlorooctane 94.4 % 66.9-136

Surrogate: 1-Chlorooctadecane 91.5 % 59.5-142

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

PIMA ENVIROMENTAL
TOM BYNUM
1601 N TURNER STE. 500
HOBBS NM, 88240
Fax To:

Received:	04/14/2022	Sampling Date:	04/14/2022
Reported:	04/21/2022	Sampling Type:	Soil
Project Name:	ROSCOE 6 B3AD FEDERAL COM #001H	Sampling Condition:	Cool & Intact
Project Number:	12-83	Sample Received By:	Shalyn Rodriguez
Project Location:	MEWBOURNE - EDDY CO NM		

Sample ID: CS - 16 (H221576-24)

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	04/20/2022	ND	1.99	99.7	2.00	1.68	
Toluene*	<0.050	0.050	04/20/2022	ND	2.01	101	2.00	1.36	
Ethylbenzene*	<0.050	0.050	04/20/2022	ND	1.97	98.6	2.00	1.67	
Total Xylenes*	<0.150	0.150	04/20/2022	ND	6.09	102	6.00	2.27	
Total BTEX	<0.300	0.300	04/20/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 104 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	432	16.0	04/20/2022	ND	400	100	400	3.92	

TPH 8015M		mg/kg		Analyzed By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/20/2022	ND	202	101	200	0.0905	
DRO >C10-C28*	<10.0	10.0	04/20/2022	ND	194	96.9	200	2.18	
EXT DRO >C28-C36	<10.0	10.0	04/20/2022	ND					

Surrogate: 1-Chlorooctane 99.3 % 66.9-136

Surrogate: 1-Chlorooctadecane 97.2 % 59.5-142

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

PIMA ENVIROMENTAL
TOM BYNUM
1601 N TURNER STE. 500
HOBBS NM, 88240
Fax To:

Received:	04/14/2022	Sampling Date:	04/14/2022
Reported:	04/21/2022	Sampling Type:	Soil
Project Name:	ROSCOE 6 B3AD FEDERAL COM #001H	Sampling Condition:	Cool & Intact
Project Number:	12-83	Sample Received By:	Shalyn Rodriguez
Project Location:	MEWBOURNE - EDDY CO NM		

Sample ID: CS - 17 (H221576-25)

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	04/20/2022	ND	1.99	99.7	2.00	1.68	
Toluene*	<0.050	0.050	04/20/2022	ND	2.01	101	2.00	1.36	
Ethylbenzene*	<0.050	0.050	04/20/2022	ND	1.97	98.6	2.00	1.67	
Total Xylenes*	<0.150	0.150	04/20/2022	ND	6.09	102	6.00	2.27	
Total BTEX	<0.300	0.300	04/20/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 105 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	400	16.0	04/20/2022	ND	400	100	400	3.92	

TPH 8015M		mg/kg		Analyzed By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/20/2022	ND	202	101	200	0.0905	
DRO >C10-C28*	<10.0	10.0	04/20/2022	ND	194	96.9	200	2.18	
EXT DRO >C28-C36	<10.0	10.0	04/20/2022	ND					

Surrogate: 1-Chlorooctane 96.7 % 66.9-136

Surrogate: 1-Chlorooctadecane 94.4 % 59.5-142

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

PIMA ENVIROMENTAL
 TOM BYNUM
 1601 N TURNER STE. 500
 HOBBS NM, 88240
 Fax To:

Received:	04/14/2022	Sampling Date:	04/14/2022
Reported:	04/21/2022	Sampling Type:	Soil
Project Name:	ROSCOE 6 B3AD FEDERAL COM #001H	Sampling Condition:	Cool & Intact
Project Number:	12-83	Sample Received By:	Shalyn Rodriguez
Project Location:	MEWBOURNE - EDDY CO NM		

Sample ID: CS - 18 (H221576-26)

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	04/20/2022	ND	1.99	99.7	2.00	1.68	
Toluene*	<0.050	0.050	04/20/2022	ND	2.01	101	2.00	1.36	
Ethylbenzene*	<0.050	0.050	04/20/2022	ND	1.97	98.6	2.00	1.67	
Total Xylenes*	<0.150	0.150	04/20/2022	ND	6.09	102	6.00	2.27	
Total BTEX	<0.300	0.300	04/20/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 104 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	256	16.0	04/20/2022	ND	400	100	400	3.92	

TPH 8015M		mg/kg		Analyzed By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/20/2022	ND	202	101	200	0.0905	
DRO >C10-C28*	<10.0	10.0	04/20/2022	ND	194	96.9	200	2.18	
EXT DRO >C28-C36	<10.0	10.0	04/20/2022	ND					

Surrogate: 1-Chlorooctane 92.9 % 66.9-136

Surrogate: 1-Chlorooctadecane 91.0 % 59.5-142

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

PIMA ENVIROMENTAL
 TOM BYNUM
 1601 N TURNER STE. 500
 HOBBS NM, 88240
 Fax To:

Received:	04/14/2022	Sampling Date:	04/14/2022
Reported:	04/21/2022	Sampling Type:	Soil
Project Name:	ROSCOE 6 B3AD FEDERAL COM #001H	Sampling Condition:	Cool & Intact
Project Number:	12-83	Sample Received By:	Shalyn Rodriguez
Project Location:	MEWBOURNE - EDDY CO NM		

Sample ID: CS - 19 (H221576-27)

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	04/20/2022	ND	1.99	99.7	2.00	1.68	
Toluene*	<0.050	0.050	04/20/2022	ND	2.01	101	2.00	1.36	
Ethylbenzene*	<0.050	0.050	04/20/2022	ND	1.97	98.6	2.00	1.67	
Total Xylenes*	<0.150	0.150	04/20/2022	ND	6.09	102	6.00	2.27	
Total BTEX	<0.300	0.300	04/20/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 104 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	272	16.0	04/20/2022	ND	400	100	400	3.92	

TPH 8015M		mg/kg		Analyzed By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/20/2022	ND	202	101	200	0.0905	
DRO >C10-C28*	12.9	10.0	04/20/2022	ND	194	96.9	200	2.18	
EXT DRO >C28-C36	<10.0	10.0	04/20/2022	ND					

Surrogate: 1-Chlorooctane 95.2 % 66.9-136

Surrogate: 1-Chlorooctadecane 94.9 % 59.5-142

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

PIMA ENVIROMENTAL
 TOM BYNUM
 1601 N TURNER STE. 500
 HOBBS NM, 88240
 Fax To:

Received:	04/14/2022	Sampling Date:	04/14/2022
Reported:	04/21/2022	Sampling Type:	Soil
Project Name:	ROSCOE 6 B3AD FEDERAL COM #001H	Sampling Condition:	Cool & Intact
Project Number:	12-83	Sample Received By:	Shalyn Rodriguez
Project Location:	MEWBOURNE - EDDY CO NM		

Sample ID: CS - 20 (H221576-28)

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	04/20/2022	ND	1.99	99.7	2.00	1.68	
Toluene*	<0.050	0.050	04/20/2022	ND	2.01	101	2.00	1.36	
Ethylbenzene*	<0.050	0.050	04/20/2022	ND	1.97	98.6	2.00	1.67	
Total Xylenes*	<0.150	0.150	04/20/2022	ND	6.09	102	6.00	2.27	
Total BTEX	<0.300	0.300	04/20/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 104 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	272	16.0	04/20/2022	ND	400	100	400	3.92	

TPH 8015M		mg/kg		Analyzed By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/20/2022	ND	202	101	200	0.0905	
DRO >C10-C28*	<10.0	10.0	04/20/2022	ND	194	96.9	200	2.18	
EXT DRO >C28-C36	<10.0	10.0	04/20/2022	ND					

Surrogate: 1-Chlorooctane 96.0 % 66.9-136

Surrogate: 1-Chlorooctadecane 93.8 % 59.5-142

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

PIMA ENVIROMENTAL
 TOM BYNUM
 1601 N TURNER STE. 500
 HOBBS NM, 88240
 Fax To:

Received:	04/14/2022	Sampling Date:	04/14/2022
Reported:	04/21/2022	Sampling Type:	Soil
Project Name:	ROSCOE 6 B3AD FEDERAL COM #001H	Sampling Condition:	Cool & Intact
Project Number:	12-83	Sample Received By:	Shalyn Rodriguez
Project Location:	MEWBOURNE - EDDY CO NM		

Sample ID: CS - 21 (H221576-29)

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	04/20/2022	ND	1.99	99.7	2.00	1.68	
Toluene*	<0.050	0.050	04/20/2022	ND	2.01	101	2.00	1.36	
Ethylbenzene*	<0.050	0.050	04/20/2022	ND	1.97	98.6	2.00	1.67	
Total Xylenes*	<0.150	0.150	04/20/2022	ND	6.09	102	6.00	2.27	
Total BTEX	<0.300	0.300	04/20/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 104 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	320	16.0	04/20/2022	ND	400	100	400	3.92	

TPH 8015M		mg/kg		Analyzed By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/20/2022	ND	202	101	200	0.0905	
DRO >C10-C28*	<10.0	10.0	04/20/2022	ND	194	96.9	200	2.18	
EXT DRO >C28-C36	<10.0	10.0	04/20/2022	ND					

Surrogate: 1-Chlorooctane 94.2 % 66.9-136

Surrogate: 1-Chlorooctadecane 92.5 % 59.5-142

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

PIMA ENVIROMENTAL
 TOM BYNUM
 1601 N TURNER STE. 500
 HOBBS NM, 88240
 Fax To:

Received:	04/14/2022	Sampling Date:	04/14/2022
Reported:	04/21/2022	Sampling Type:	Soil
Project Name:	ROSCOE 6 B3AD FEDERAL COM #001H	Sampling Condition:	Cool & Intact
Project Number:	12-83	Sample Received By:	Shalyn Rodriguez
Project Location:	MEWBOURNE - EDDY CO NM		

Sample ID: CS - 22 (H221576-30)

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	04/20/2022	ND	1.99	99.7	2.00	1.68	
Toluene*	<0.050	0.050	04/20/2022	ND	2.01	101	2.00	1.36	
Ethylbenzene*	<0.050	0.050	04/20/2022	ND	1.97	98.6	2.00	1.67	
Total Xylenes*	<0.150	0.150	04/20/2022	ND	6.09	102	6.00	2.27	
Total BTEX	<0.300	0.300	04/20/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 104 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	256	16.0	04/20/2022	ND	400	100	400	3.92	

TPH 8015M		mg/kg		Analyzed By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/20/2022	ND	202	101	200	0.0905	
DRO >C10-C28*	<10.0	10.0	04/20/2022	ND	194	96.9	200	2.18	
EXT DRO >C28-C36	<10.0	10.0	04/20/2022	ND					

Surrogate: 1-Chlorooctane 96.3 % 66.9-136

Surrogate: 1-Chlorooctadecane 94.2 % 59.5-142

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

PIMA ENVIROMENTAL
 TOM BYNUM
 1601 N TURNER STE. 500
 HOBBS NM, 88240
 Fax To:

Received:	04/14/2022	Sampling Date:	04/14/2022
Reported:	04/21/2022	Sampling Type:	Soil
Project Name:	ROSCOE 6 B3AD FEDERAL COM #001H	Sampling Condition:	Cool & Intact
Project Number:	12-83	Sample Received By:	Shalyn Rodriguez
Project Location:	MEWBOURNE - EDDY CO NM		

Sample ID: CS - 23 (H221576-31)

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	04/20/2022	ND	1.99	99.7	2.00	1.68	
Toluene*	<0.050	0.050	04/20/2022	ND	2.01	101	2.00	1.36	
Ethylbenzene*	<0.050	0.050	04/20/2022	ND	1.97	98.6	2.00	1.67	
Total Xylenes*	<0.150	0.150	04/20/2022	ND	6.09	102	6.00	2.27	
Total BTEX	<0.300	0.300	04/20/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 105 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	272	16.0	04/20/2022	ND	400	100	400	3.92	

TPH 8015M		mg/kg		Analyzed By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/20/2022	ND	202	101	200	0.0905	
DRO >C10-C28*	<10.0	10.0	04/20/2022	ND	194	96.9	200	2.18	
EXT DRO >C28-C36	<10.0	10.0	04/20/2022	ND					

Surrogate: 1-Chlorooctane 93.0 % 66.9-136

Surrogate: 1-Chlorooctadecane 92.0 % 59.5-142

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*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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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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Celey D. Keene

Celey D. Keene, Lab Director/Quality Manager



CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

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

Company Name: Pima Environmental Services				BILL TO				ANALYSIS REQUEST																			
Project Manager: Tom Bynum				P.O. #:																							
Address: 5614 N. Lovington Hwy				Company:																							
City: Hobbs		State: NM		Zip: 88240		Attn:																					
Phone #: 575-964-7740		Fax #:		Address:																							
Project #: 12-83		Project Owner: Mewbourne		City:																							
Project Name: Roscoe 6 B3AD Fed Com 14				State:				Zip:																			
Project Location: Eddy County, N.M.				Phone #:																							
Sampler Name: Ned Rogers				Fax #:																							
FOR LAB USE ONLY	Lab I.D.	Sample I.D.	# CONTAINERS	MATRIX					PRESERV.		SAMPLING																
			(GRAB OR (COMP. # CONTAINERS	GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER :	ACID/BASE:	ICE / COOL	OTHER :	DATE	TIME	TPH	BTEX	Chloride										
	H221576		C			X							1/14/22	8:00	X	X	X										
	1	CSW-1												8:05													
	2	CSW-2												8:10													
	3	CSW-3												8:15													
	4	CSW-4												8:20													
	5	CSW-5												8:25													
	6	CSW-6												8:30													
	7	CSW-7												8:35													
	8	CSW-8																									

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Relinquished By: <i>Ned Rogers</i>	Date: 4-14-22	Received By: <i>Slobodkin</i>	Phone Result: <input type="checkbox"/> Yes <input type="checkbox"/> No	Add'l Phone #:
	Time: 1546		Fax Result: <input type="checkbox"/> Yes <input type="checkbox"/> No	Add'l Fax #:
Relinquished By:	Date:	Received By:	REMARKS:	
	Time:			
Delivered By: (Circle One) -3.98	-0.50	Sample Condition	CHECKED BY: (Initials)	
Sampler - UPS - Bus - Other: -4.4#113		Cool Intact <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	<i>BT</i>	
		Other Intact <input type="checkbox"/> Yes <input type="checkbox"/> No	Bill To Mewbourne	

† Cardinal cannot accept verbal changes. Please fax written changes to (575) 393-2326



CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

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

Company Name: Pima Environmental Services				BILL TO				ANALYSIS REQUEST																				
Project Manager: Tom Bynum				P.O. #:																								
Address: 5614 N. Lovington Hwy				Company:																								
City: Hobbs		State: NM		Zip: 88240		Attn:																						
Phone #: 575-964-7740		Fax #:		Address:																								
Project #: 12-83		Project Owner: Mewbourne		City:																								
Project Name: Roscoe 6 B3AD Fed Com 1H				State:				Zip:																				
Project Location: Eddy County, n.m.				Phone #:																								
Sampler Name: Ned Rogers				Fax #:																								
FOR LAB USE ONLY		Lab I.D.	Sample I.D.	(G)RAB OR (C)OMP. # CONTAINERS	MATRIX					PRESERV.			SAMPLING		TPH	BTEX	C.Hloride											
GROUNDWATER	WASTEWATER				SOIL	OIL	SLUDGE	OTHER:	ACID/BASE:	ICE / COOL	OTHER:	DATE	TIME															
H221576		9	CS-1	C			X				X			7/14/22	8:40	X	X	X										
		10	CS-2												8:45													
		11	CS-3												8:50													
		12	CS-4												8:55													
		13	CS-5												9:00													
		14	CS-6												9:05													
		15	CS-7												9:10													
		16	CS-8												9:15													
		17	CS-9												9:20													
		18	CS-10												9:25													

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Relinquished By: <i>Ned Rogers</i>	Date: 4/14/22	Received By: <i>S. Skodkiewicz</i>	Phone Result: <input type="checkbox"/> Yes <input type="checkbox"/> No	Add'l Phone #:
	Time: 1546		Fax Result: <input type="checkbox"/> Yes <input type="checkbox"/> No	Add'l Fax #:
Relinquished By:	Date:	Received By:	REMARKS:	
	Time:			
Delivered By: (Circle One) <i>398</i>	Sample Condition: <i>C-O.58</i>	CHECKED BY: (Initials) <i>SK</i>		
Sampler - UPS - Bus - Other: <i>-4.48#13</i>	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No		<i>Bill To Mewbourne</i>	

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CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

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

Form with fields for Company Name, Project Manager, Address, City, State, Zip, Phone, Fax, Project #, Project Name, Project Location, Sampler Name, and a table for Lab I.D., Sample I.D., Matrix, Preserv., and Sampling.

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.

Form with fields for Relinquished By, Received By, Date, Time, Sample Condition, Checked By, and Remarks.

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CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

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(575) 393-2326 FAX (575) 393-2476

Form with fields for Company Name, Project Manager, Address, City, State, Zip, Phone, Fax, Project #, Project Name, Project Location, Sampler Name, and a table for Lab I.D., Sample I.D., Matrix, Preserv., and Sampling.

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.

Form with fields for Relinquished By, Received By, Date, Time, Phone Result, Fax Result, Delivered By, and Sample Condition.

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

May 03, 2022

TOM BYNUM

PIMA ENVIROMENTAL

1601 N TURNER STE. 500

HOBBS, NM 88240

RE: ROSCOE 6 B3AD FEDERAL COM #001H

Enclosed are the results of analyses for samples received by the laboratory on 04/29/22 11:32.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-21-14. 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/qa/lab_accred_certif.html.

Cardinal Laboratories is accredited 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.

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,

A handwritten signature in black ink that reads "Celey D. Keene". The signature is written in a cursive style.

Celey D. Keene

Lab Director/Quality Manager



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

Analytical Results For:

PIMA ENVIROMENTAL
TOM BYNUM
1601 N TURNER STE. 500
HOBBS NM, 88240
Fax To:

Received:	04/29/2022	Sampling Date:	04/28/2022
Reported:	05/03/2022	Sampling Type:	Soil
Project Name:	ROSCOE 6 B3AD FEDERAL COM #001H	Sampling Condition:	Cool & Intact
Project Number:	12-83	Sample Received By:	Shalyn Rodriguez
Project Location:	MEWBOURNE - EDDY CO NM		

Sample ID: CSW - 1 (H221767-01)

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	04/29/2022	ND	2.08	104	2.00	5.53		
Toluene*	<0.050	0.050	04/29/2022	ND	2.07	103	2.00	4.99		
Ethylbenzene*	<0.050	0.050	04/29/2022	ND	2.04	102	2.00	5.58		
Total Xylenes*	<0.150	0.150	04/29/2022	ND	6.34	106	6.00	5.37		
Total BTEX	<0.300	0.300	04/29/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 102 % 69.9-140

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	05/02/2022	ND	400	100	400	3.92		

TPH 8015M		mg/kg		Analyzed By: CK						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	<10.0	10.0	04/29/2022	ND	216	108	200	3.32		
DRO >C10-C28*	<10.0	10.0	04/29/2022	ND	223	111	200	1.19		
EXT DRO >C28-C36	<10.0	10.0	04/29/2022	ND						

Surrogate: 1-Chlorooctane 115 % 66.9-136

Surrogate: 1-Chlorooctadecane 130 % 59.5-142

Cardinal Laboratories

* = Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

PIMA ENVIROMENTAL
TOM BYNUM
1601 N TURNER STE. 500
HOBBS NM, 88240
Fax To:

Received:	04/29/2022	Sampling Date:	04/28/2022
Reported:	05/03/2022	Sampling Type:	Soil
Project Name:	ROSCOE 6 B3AD FEDERAL COM #001H	Sampling Condition:	Cool & Intact
Project Number:	12-83	Sample Received By:	Shalyn Rodriguez
Project Location:	MEWBOURNE - EDDY CO NM		

Sample ID: CSW - 8 (H221767-02)

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	04/29/2022	ND	2.08	104	2.00	5.53		
Toluene*	<0.050	0.050	04/29/2022	ND	2.07	103	2.00	4.99		
Ethylbenzene*	<0.050	0.050	04/29/2022	ND	2.04	102	2.00	5.58		
Total Xylenes*	<0.150	0.150	04/29/2022	ND	6.34	106	6.00	5.37		
Total BTEX	<0.300	0.300	04/29/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 103 % 69.9-140

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	05/02/2022	ND	400	100	400	3.92		

TPH 8015M		mg/kg		Analyzed By: CK/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	<10.0	10.0	04/29/2022	ND	191	95.5	200	6.80		
DRO >C10-C28*	<10.0	10.0	04/29/2022	ND	181	90.6	200	0.513		
EXT DRO >C28-C36	<10.0	10.0	04/29/2022	ND						

Surrogate: 1-Chlorooctane 99.0 % 66.9-136

Surrogate: 1-Chlorooctadecane 98.7 % 59.5-142

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*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

PIMA ENVIROMENTAL
TOM BYNUM
1601 N TURNER STE. 500
HOBBS NM, 88240
Fax To:

Received:	04/29/2022	Sampling Date:	04/28/2022
Reported:	05/03/2022	Sampling Type:	Soil
Project Name:	ROSCOE 6 B3AD FEDERAL COM #001H	Sampling Condition:	Cool & Intact
Project Number:	12-83	Sample Received By:	Shalyn Rodriguez
Project Location:	MEWBOURNE - EDDY CO NM		

Sample ID: CS - 1 (H221767-03)

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	04/29/2022	ND	2.08	104	2.00	5.53	
Toluene*	<0.050	0.050	04/29/2022	ND	2.07	103	2.00	4.99	
Ethylbenzene*	<0.050	0.050	04/29/2022	ND	2.04	102	2.00	5.58	
Total Xylenes*	<0.150	0.150	04/29/2022	ND	6.34	106	6.00	5.37	
Total BTEX	<0.300	0.300	04/29/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 103 % 69.9-140

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	05/02/2022	ND	400	100	400	3.92	

TPH 8015M		mg/kg		Analyzed By: CK/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/29/2022	ND	193	96.3	200	8.00	
DRO >C10-C28*	258	10.0	04/29/2022	ND	185	92.5	200	3.99	
EXT DRO >C28-C36	85.5	10.0	04/29/2022	ND					

Surrogate: 1-Chlorooctane 104 % 66.9-136

Surrogate: 1-Chlorooctadecane 119 % 59.5-142

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

PIMA ENVIROMENTAL
 TOM BYNUM
 1601 N TURNER STE. 500
 HOBBS NM, 88240
 Fax To:

Received:	04/29/2022	Sampling Date:	04/28/2022
Reported:	05/03/2022	Sampling Type:	Soil
Project Name:	ROSCOE 6 B3AD FEDERAL COM #001H	Sampling Condition:	Cool & Intact
Project Number:	12-83	Sample Received By:	Shalyn Rodriguez
Project Location:	MEWBOURNE - EDDY CO NM		

Sample ID: CS - 2 (H221767-04)

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	04/29/2022	ND	2.08	104	2.00	5.53	
Toluene*	<0.050	0.050	04/29/2022	ND	2.07	103	2.00	4.99	
Ethylbenzene*	<0.050	0.050	04/29/2022	ND	2.04	102	2.00	5.58	
Total Xylenes*	<0.150	0.150	04/29/2022	ND	6.34	106	6.00	5.37	
Total BTEX	<0.300	0.300	04/29/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 102 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	16.0	16.0	05/02/2022	ND	400	100	400	3.92	

TPH 8015M		mg/kg		Analyzed By: CK/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/29/2022	ND	193	96.3	200	8.00	
DRO >C10-C28*	296	10.0	04/29/2022	ND	185	92.5	200	3.99	
EXT DRO >C28-C36	91.4	10.0	04/29/2022	ND					

Surrogate: 1-Chlorooctane 109 % 66.9-136

Surrogate: 1-Chlorooctadecane 136 % 59.5-142

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

PIMA ENVIROMENTAL
 TOM BYNUM
 1601 N TURNER STE. 500
 HOBBS NM, 88240
 Fax To:

Received:	04/29/2022	Sampling Date:	04/28/2022
Reported:	05/03/2022	Sampling Type:	Soil
Project Name:	ROSCOE 6 B3AD FEDERAL COM #001H	Sampling Condition:	Cool & Intact
Project Number:	12-83	Sample Received By:	Shalyn Rodriguez
Project Location:	MEWBOURNE - EDDY CO NM		

Sample ID: CS - 3 (H221767-05)

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	04/29/2022	ND	2.08	104	2.00	5.53	
Toluene*	<0.050	0.050	04/29/2022	ND	2.07	103	2.00	4.99	
Ethylbenzene*	<0.050	0.050	04/29/2022	ND	2.04	102	2.00	5.58	
Total Xylenes*	<0.150	0.150	04/29/2022	ND	6.34	106	6.00	5.37	
Total BTEX	<0.300	0.300	04/29/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 104 % 69.9-140

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	16.0	16.0	05/02/2022	ND	400	100	400	3.92	

TPH 8015M		mg/kg		Analyzed By: CK/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/29/2022	ND	193	96.3	200	8.00	
DRO >C10-C28*	384	10.0	04/29/2022	ND	185	92.5	200	3.99	
EXT DRO >C28-C36	101	10.0	04/29/2022	ND					

Surrogate: 1-Chlorooctane 105 % 66.9-136

Surrogate: 1-Chlorooctadecane 108 % 59.5-142

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

PIMA ENVIROMENTAL
 TOM BYNUM
 1601 N TURNER STE. 500
 HOBBS NM, 88240
 Fax To:

Received:	04/29/2022	Sampling Date:	04/28/2022
Reported:	05/03/2022	Sampling Type:	Soil
Project Name:	ROSCOE 6 B3AD FEDERAL COM #001H	Sampling Condition:	Cool & Intact
Project Number:	12-83	Sample Received By:	Shalyn Rodriguez
Project Location:	MEWBOURNE - EDDY CO NM		

Sample ID: CS - 4 (H221767-06)

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	04/29/2022	ND	2.08	104	2.00	5.53	
Toluene*	<0.050	0.050	04/29/2022	ND	2.07	103	2.00	4.99	
Ethylbenzene*	<0.050	0.050	04/29/2022	ND	2.04	102	2.00	5.58	
Total Xylenes*	<0.150	0.150	04/29/2022	ND	6.34	106	6.00	5.37	
Total BTEX	<0.300	0.300	04/29/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 102 % 69.9-140

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	05/02/2022	ND	400	100	400	3.92	

TPH 8015M		mg/kg		Analyzed By: CK/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/29/2022	ND	193	96.3	200	8.00	
DRO >C10-C28*	701	10.0	04/29/2022	ND	185	92.5	200	3.99	
EXT DRO >C28-C36	176	10.0	04/29/2022	ND					

Surrogate: 1-Chlorooctane 104 % 66.9-136

Surrogate: 1-Chlorooctadecane 119 % 59.5-142

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

PIMA ENVIROMENTAL
TOM BYNUM
1601 N TURNER STE. 500
HOBBS NM, 88240
Fax To:

Received:	04/29/2022	Sampling Date:	04/28/2022
Reported:	05/03/2022	Sampling Type:	Soil
Project Name:	ROSCOE 6 B3AD FEDERAL COM #001H	Sampling Condition:	Cool & Intact
Project Number:	12-83	Sample Received By:	Shalyn Rodriguez
Project Location:	MEWBOURNE - EDDY CO NM		

Sample ID: CS - 5 (H221767-07)

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	04/29/2022	ND	2.09	104	2.00	1.81		
Toluene*	<0.050	0.050	04/29/2022	ND	2.06	103	2.00	2.46		
Ethylbenzene*	<0.050	0.050	04/29/2022	ND	1.98	98.8	2.00	1.81		
Total Xylenes*	<0.150	0.150	04/29/2022	ND	6.14	102	6.00	1.87		
Total BTEX	<0.300	0.300	04/29/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 103 % 69.9-140

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	05/02/2022	ND	400	100	400	3.92		

TPH 8015M		mg/kg		Analyzed By: CK/							S-04
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier		
GRO C6-C10*	<10.0	10.0	04/29/2022	ND	193	96.3	200	8.00			
DRO >C10-C28*	809	10.0	04/29/2022	ND	185	92.5	200	3.99			
EXT DRO >C28-C36	218	10.0	04/29/2022	ND							

Surrogate: 1-Chlorooctane 106 % 66.9-136

Surrogate: 1-Chlorooctadecane 181 % 59.5-142

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

PIMA ENVIROMENTAL
 TOM BYNUM
 1601 N TURNER STE. 500
 HOBBS NM, 88240
 Fax To:

Received:	04/29/2022	Sampling Date:	04/28/2022
Reported:	05/03/2022	Sampling Type:	Soil
Project Name:	ROSCOE 6 B3AD FEDERAL COM #001H	Sampling Condition:	Cool & Intact
Project Number:	12-83	Sample Received By:	Shalyn Rodriguez
Project Location:	MEWBOURNE - EDDY CO NM		

Sample ID: CS - 6 (H221767-08)

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	04/29/2022	ND	2.09	104	2.00	1.81		
Toluene*	<0.050	0.050	04/29/2022	ND	2.06	103	2.00	2.46		
Ethylbenzene*	<0.050	0.050	04/29/2022	ND	1.98	98.8	2.00	1.81		
Total Xylenes*	<0.150	0.150	04/29/2022	ND	6.14	102	6.00	1.87		
Total BTEX	<0.300	0.300	04/29/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 102 % 69.9-140

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	05/02/2022	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: CK/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	<10.0	10.0	04/29/2022	ND	193	96.3	200	8.00		
DRO >C10-C28*	802	10.0	04/29/2022	ND	185	92.5	200	3.99		
EXT DRO >C28-C36	200	10.0	04/29/2022	ND						

Surrogate: 1-Chlorooctane 98.8 % 66.9-136

Surrogate: 1-Chlorooctadecane 136 % 59.5-142

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

PIMA ENVIROMENTAL
 TOM BYNUM
 1601 N TURNER STE. 500
 HOBBS NM, 88240
 Fax To:

Received:	04/29/2022	Sampling Date:	04/28/2022
Reported:	05/03/2022	Sampling Type:	Soil
Project Name:	ROSCOE 6 B3AD FEDERAL COM #001H	Sampling Condition:	Cool & Intact
Project Number:	12-83	Sample Received By:	Shalyn Rodriguez
Project Location:	MEWBOURNE - EDDY CO NM		

Sample ID: CS - 7 (H221767-09)

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	04/29/2022	ND	2.09	104	2.00	1.81	
Toluene*	<0.050	0.050	04/29/2022	ND	2.06	103	2.00	2.46	
Ethylbenzene*	<0.050	0.050	04/29/2022	ND	1.98	98.8	2.00	1.81	
Total Xylenes*	<0.150	0.150	04/29/2022	ND	6.14	102	6.00	1.87	
Total BTEX	<0.300	0.300	04/29/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 102 % 69.9-140

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	05/02/2022	ND	416	104	400	0.00	

TPH 8015M		mg/kg		Analyzed By: CK/						S-04
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	<10.0	10.0	04/29/2022	ND	193	96.3	200	8.00		
DRO >C10-C28*	696	10.0	04/29/2022	ND	185	92.5	200	3.99		
EXT DRO >C28-C36	179	10.0	04/29/2022	ND						

Surrogate: 1-Chlorooctane 94.9 % 66.9-136

Surrogate: 1-Chlorooctadecane 146 % 59.5-142

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

PIMA ENVIROMENTAL
 TOM BYNUM
 1601 N TURNER STE. 500
 HOBBS NM, 88240
 Fax To:

Received:	04/29/2022	Sampling Date:	04/28/2022
Reported:	05/03/2022	Sampling Type:	Soil
Project Name:	ROSCOE 6 B3AD FEDERAL COM #001H	Sampling Condition:	Cool & Intact
Project Number:	12-83	Sample Received By:	Shalyn Rodriguez
Project Location:	MEWBOURNE - EDDY CO NM		

Sample ID: CS - 8 (H221767-10)

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	04/29/2022	ND	2.09	104	2.00	1.81	
Toluene*	<0.050	0.050	04/29/2022	ND	2.06	103	2.00	2.46	
Ethylbenzene*	<0.050	0.050	04/29/2022	ND	1.98	98.8	2.00	1.81	
Total Xylenes*	<0.150	0.150	04/29/2022	ND	6.14	102	6.00	1.87	
Total BTEX	<0.300	0.300	04/29/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 101 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	16.0	16.0	05/02/2022	ND	416	104	400	0.00	

TPH 8015M		mg/kg		Analyzed By: CK/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/30/2022	ND	193	96.3	200	8.00	
DRO >C10-C28*	15.5	10.0	04/30/2022	ND	185	92.5	200	3.99	
EXT DRO >C28-C36	12.4	10.0	04/30/2022	ND					

Surrogate: 1-Chlorooctane 100 % 66.9-136

Surrogate: 1-Chlorooctadecane 99.4 % 59.5-142

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

PIMA ENVIROMENTAL
 TOM BYNUM
 1601 N TURNER STE. 500
 HOBBS NM, 88240
 Fax To:

Received:	04/29/2022	Sampling Date:	04/28/2022
Reported:	05/03/2022	Sampling Type:	Soil
Project Name:	ROSCOE 6 B3AD FEDERAL COM #001H	Sampling Condition:	Cool & Intact
Project Number:	12-83	Sample Received By:	Shalyn Rodriguez
Project Location:	MEWBOURNE - EDDY CO NM		

Sample ID: CS - 10 (H221767-11)

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	04/29/2022	ND	2.09	104	2.00	1.81	
Toluene*	<0.050	0.050	04/29/2022	ND	2.06	103	2.00	2.46	
Ethylbenzene*	<0.050	0.050	04/29/2022	ND	1.98	98.8	2.00	1.81	
Total Xylenes*	<0.150	0.150	04/29/2022	ND	6.14	102	6.00	1.87	
Total BTEX	<0.300	0.300	04/29/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 102 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	16.0	16.0	05/02/2022	ND	416	104	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/02/2022	ND	189	94.4	200	4.60	
DRO >C10-C28*	149	10.0	05/02/2022	ND	183	91.5	200	0.798	
EXT DRO >C28-C36	49.5	10.0	05/02/2022	ND					

Surrogate: 1-Chlorooctane 103 % 66.9-136

Surrogate: 1-Chlorooctadecane 102 % 59.5-142

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

PIMA ENVIROMENTAL
 TOM BYNUM
 1601 N TURNER STE. 500
 HOBBS NM, 88240
 Fax To:

Received:	04/29/2022	Sampling Date:	04/28/2022
Reported:	05/03/2022	Sampling Type:	Soil
Project Name:	ROSCOE 6 B3AD FEDERAL COM #001H	Sampling Condition:	Cool & Intact
Project Number:	12-83	Sample Received By:	Shalyn Rodriguez
Project Location:	MEWBOURNE - EDDY CO NM		

Sample ID: CS - 11 (H221767-12)

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	04/29/2022	ND	2.09	104	2.00	1.81	
Toluene*	<0.050	0.050	04/29/2022	ND	2.06	103	2.00	2.46	
Ethylbenzene*	<0.050	0.050	04/29/2022	ND	1.98	98.8	2.00	1.81	
Total Xylenes*	<0.150	0.150	04/29/2022	ND	6.14	102	6.00	1.87	
Total BTEX	<0.300	0.300	04/29/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 101 % 69.9-140

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	05/02/2022	ND	416	104	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/02/2022	ND	189	94.4	200	4.60	
DRO >C10-C28*	<10.0	10.0	05/02/2022	ND	183	91.5	200	0.798	
EXT DRO >C28-C36	<10.0	10.0	05/02/2022	ND					

Surrogate: 1-Chlorooctane 105 % 66.9-136

Surrogate: 1-Chlorooctadecane 105 % 59.5-142

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

PIMA ENVIROMENTAL
 TOM BYNUM
 1601 N TURNER STE. 500
 HOBBS NM, 88240
 Fax To:

Received:	04/29/2022	Sampling Date:	04/28/2022
Reported:	05/03/2022	Sampling Type:	Soil
Project Name:	ROSCOE 6 B3AD FEDERAL COM #001H	Sampling Condition:	Cool & Intact
Project Number:	12-83	Sample Received By:	Shalyn Rodriguez
Project Location:	MEWBOURNE - EDDY CO NM		

Sample ID: CS - 14 (H221767-13)

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	04/29/2022	ND	2.09	104	2.00	1.81	
Toluene*	<0.050	0.050	04/29/2022	ND	2.06	103	2.00	2.46	
Ethylbenzene*	<0.050	0.050	04/29/2022	ND	1.98	98.8	2.00	1.81	
Total Xylenes*	<0.150	0.150	04/29/2022	ND	6.14	102	6.00	1.87	
Total BTEX	<0.300	0.300	04/29/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 102 % 69.9-140

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	05/02/2022	ND	416	104	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/02/2022	ND	189	94.4	200	4.60	
DRO >C10-C28*	180	10.0	05/02/2022	ND	183	91.5	200	0.798	
EXT DRO >C28-C36	65.2	10.0	05/02/2022	ND					

Surrogate: 1-Chlorooctane 98.8 % 66.9-136

Surrogate: 1-Chlorooctadecane 116 % 59.5-142

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

PIMA ENVIROMENTAL
 TOM BYNUM
 1601 N TURNER STE. 500
 HOBBS NM, 88240
 Fax To:

Received:	04/29/2022	Sampling Date:	04/28/2022
Reported:	05/03/2022	Sampling Type:	Soil
Project Name:	ROSCOE 6 B3AD FEDERAL COM #001H	Sampling Condition:	Cool & Intact
Project Number:	12-83	Sample Received By:	Shalyn Rodriguez
Project Location:	MEWBOURNE - EDDY CO NM		

Sample ID: CS - 17 (H221767-14)

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	04/29/2022	ND	2.09	104	2.00	1.81	
Toluene*	<0.050	0.050	04/29/2022	ND	2.06	103	2.00	2.46	
Ethylbenzene*	<0.050	0.050	04/29/2022	ND	1.98	98.8	2.00	1.81	
Total Xylenes*	<0.150	0.150	04/29/2022	ND	6.14	102	6.00	1.87	
Total BTEX	<0.300	0.300	04/29/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 101 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	16.0	16.0	05/02/2022	ND	416	104	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/02/2022	ND	189	94.4	200	4.60	
DRO >C10-C28*	<10.0	10.0	05/02/2022	ND	183	91.5	200	0.798	
EXT DRO >C28-C36	<10.0	10.0	05/02/2022	ND					

Surrogate: 1-Chlorooctane 95.7 % 66.9-136

Surrogate: 1-Chlorooctadecane 94.1 % 59.5-142

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

PIMA ENVIROMENTAL
 TOM BYNUM
 1601 N TURNER STE. 500
 HOBBS NM, 88240
 Fax To:

Received:	04/29/2022	Sampling Date:	04/28/2022
Reported:	05/03/2022	Sampling Type:	Soil
Project Name:	ROSCOE 6 B3AD FEDERAL COM #001H	Sampling Condition:	Cool & Intact
Project Number:	12-83	Sample Received By:	Shalyn Rodriguez
Project Location:	MEWBOURNE - EDDY CO NM		

Sample ID: CS - 19 (H221767-15)

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	05/02/2022	ND	1.96	97.9	2.00	4.70	
Toluene*	<0.050	0.050	05/02/2022	ND	1.94	97.2	2.00	4.50	
Ethylbenzene*	<0.050	0.050	05/02/2022	ND	1.85	92.6	2.00	4.45	
Total Xylenes*	<0.150	0.150	05/02/2022	ND	5.75	95.8	6.00	4.61	
Total BTEX	<0.300	0.300	05/02/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 102 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	05/02/2022	ND	416	104	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/02/2022	ND	189	94.4	200	4.60	
DRO >C10-C28*	<10.0	10.0	05/02/2022	ND	183	91.5	200	0.798	
EXT DRO >C28-C36	<10.0	10.0	05/02/2022	ND					

Surrogate: 1-Chlorooctane 113 % 66.9-136

Surrogate: 1-Chlorooctadecane 111 % 59.5-142

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

PIMA ENVIROMENTAL
TOM BYNUM
1601 N TURNER STE. 500
HOBBS NM, 88240
Fax To:

Received:	04/29/2022	Sampling Date:	04/28/2022
Reported:	05/03/2022	Sampling Type:	Soil
Project Name:	ROSCOE 6 B3AD FEDERAL COM #001H	Sampling Condition:	Cool & Intact
Project Number:	12-83	Sample Received By:	Shalyn Rodriguez
Project Location:	MEWBOURNE - EDDY CO NM		

Sample ID: CS - 21 (H221767-16)

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	05/02/2022	ND	1.96	97.9	2.00	4.70	
Toluene*	<0.050	0.050	05/02/2022	ND	1.94	97.2	2.00	4.50	
Ethylbenzene*	<0.050	0.050	05/02/2022	ND	1.85	92.6	2.00	4.45	
Total Xylenes*	<0.150	0.150	05/02/2022	ND	5.75	95.8	6.00	4.61	
Total BTEX	<0.300	0.300	05/02/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 102 % 69.9-140

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	05/02/2022	ND	416	104	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/02/2022	ND	189	94.4	200	4.60	
DRO >C10-C28*	<10.0	10.0	05/02/2022	ND	183	91.5	200	0.798	
EXT DRO >C28-C36	<10.0	10.0	05/02/2022	ND					

Surrogate: 1-Chlorooctane 105 % 66.9-136

Surrogate: 1-Chlorooctadecane 105 % 59.5-142

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

PIMA ENVIROMENTAL
 TOM BYNUM
 1601 N TURNER STE. 500
 HOBBS NM, 88240
 Fax To:

Received:	04/29/2022	Sampling Date:	04/28/2022
Reported:	05/03/2022	Sampling Type:	Soil
Project Name:	ROSCOE 6 B3AD FEDERAL COM #001H	Sampling Condition:	Cool & Intact
Project Number:	12-83	Sample Received By:	Shalyn Rodriguez
Project Location:	MEWBOURNE - EDDY CO NM		

Sample ID: CS - 22 (H221767-17)

BTEX 8021B		mg/kg		Analyzed By: MS/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	05/02/2022	ND	1.96	97.9	2.00	4.70	
Toluene*	<0.050	0.050	05/02/2022	ND	1.94	97.2	2.00	4.50	
Ethylbenzene*	<0.050	0.050	05/02/2022	ND	1.85	92.6	2.00	4.45	
Total Xylenes*	<0.150	0.150	05/02/2022	ND	5.75	95.8	6.00	4.61	
Total BTEX	<0.300	0.300	05/02/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 103 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	05/02/2022	ND	416	104	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/02/2022	ND	189	94.4	200	4.60	
DRO >C10-C28*	<10.0	10.0	05/02/2022	ND	183	91.5	200	0.798	
EXT DRO >C28-C36	<10.0	10.0	05/02/2022	ND					

Surrogate: 1-Chlorooctane 108 % 66.9-136

Surrogate: 1-Chlorooctadecane 105 % 59.5-142

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

PIMA ENVIROMENTAL
 TOM BYNUM
 1601 N TURNER STE. 500
 HOBBS NM, 88240
 Fax To:

Received:	04/29/2022	Sampling Date:	04/28/2022
Reported:	05/03/2022	Sampling Type:	Soil
Project Name:	ROSCOE 6 B3AD FEDERAL COM #001H	Sampling Condition:	Cool & Intact
Project Number:	12-83	Sample Received By:	Shalyn Rodriguez
Project Location:	MEWBOURNE - EDDY CO NM		

Sample ID: CS - 23 (H221767-18)

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	05/02/2022	ND	1.96	97.9	2.00	4.70	
Toluene*	<0.050	0.050	05/02/2022	ND	1.94	97.2	2.00	4.50	
Ethylbenzene*	<0.050	0.050	05/02/2022	ND	1.85	92.6	2.00	4.45	
Total Xylenes*	<0.150	0.150	05/02/2022	ND	5.75	95.8	6.00	4.61	
Total BTEX	<0.300	0.300	05/02/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 102 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	05/02/2022	ND	416	104	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/02/2022	ND	189	94.4	200	4.60	
DRO >C10-C28*	15.1	10.0	05/02/2022	ND	183	91.5	200	0.798	
EXT DRO >C28-C36	<10.0	10.0	05/02/2022	ND					

Surrogate: 1-Chlorooctane 100 % 66.9-136

Surrogate: 1-Chlorooctadecane 99.0 % 59.5-142

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Celey D. Keene, Lab Director/Quality Manager



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

Notes and Definitions

- S-04 The surrogate recovery for this sample is outside of established control limits due to a sample matrix effect.
- QM-07 The spike recovery was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS recovery.
- ND Analyte NOT DETECTED at or above the reporting limit
- RPD Relative Percent Difference
- ** Samples not received at proper temperature of 6°C or below.
- *** Insufficient time to reach temperature.
- Chloride by SM4500Cl-B does not require samples be received at or below 6°C
Samples reported on an as received basis (wet) unless otherwise noted on report

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Celey D. Keene

Celey D. Keene, Lab Director/Quality Manager



CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

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

Company Name: Pima Environmental Services		BILL TO		ANALYSIS REQUEST									
Project Manager: Tom Bynum		P.O. #:											
Address: 5614 N. Lovington Hwy		Company: <i>Newbourne</i>											
City: Hobbs State: NM Zip: 88240		Attn:											
Phone #: 575-964-7740 Fax #:		Address:											
Project #: <i>12-83</i> Project Owner: <i>Newbourne</i>		City:											
Project Name: <i>Roscoe 6 B3AD Fed Com 1H</i>		State: Zip:											
Project Location: <i>Eddy County, NM</i>		Phone #:											
Sampler Name: <i>Ned Rogers</i>		Fax #:											

Lab I.D.	Sample I.D.	(G)RAB OR (C)OMP. # CONTAINERS	MATRIX					PRESERV.			SAMPLING		DATE	TIME	TPH	BTEX	Chlorides
			GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER:	ACID/BASE:	ICE / COOL	OTHER:						
<i>H321707</i>																	
<i>1</i>	<i>CSW-1</i>	<i>C</i>	<i>1</i>			<i>X</i>					<i>X</i>	<i>X</i>	<i>X</i>				
<i>2</i>	<i>CSW-8</i>											<i>4/28/22</i>	<i>1:00pm</i>				
<i>3</i>	<i>CS-1</i>												<i>1:05</i>				
<i>4</i>	<i>CS-2</i>												<i>1:10</i>				
<i>5</i>	<i>CS-3</i>												<i>1:15</i>				
<i>6</i>	<i>CS-4</i>												<i>1:20</i>				
<i>7</i>	<i>CS-5</i>												<i>1:25</i>				
<i>8</i>	<i>CS-6</i>												<i>1:30</i>				
<i>9</i>	<i>CS-7</i>												<i>1:35</i>				
<i>10</i>	<i>CS-8</i>												<i>1:40</i>				
													<i>1:45</i>				

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Relinquished By: <i>[Signature]</i>	Date: <i>4/27/22</i>	Received By: <i>[Signature]</i>	Phone Result: <input type="checkbox"/> Yes <input type="checkbox"/> No	Add'l Phone #:
	Time: <i>1132</i>		Fax Result: <input type="checkbox"/> Yes <input type="checkbox"/> No	Add'l Fax #:
Relinquished By:	Date:	Received By:	REMARKS:	
	Time:			
Delivered By: (Circle One) <i>-7.0°C</i> <i>-0.5°C</i>	Sample Condition	CHECKED BY: <i>[Signature]</i>	<i>Bill to Newbourne Oil</i>	
Sampler - UPS - Bus - Other: <i>-8.1°C #113</i>	Cool Intact <input type="checkbox"/> Yes <input type="checkbox"/> No			

† Cardinal cannot accept verbal changes. Please fax written changes to (575) 393-2326



CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

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

Company Name: Pima Environmental Services				BILL TO				ANALYSIS REQUEST																							
Project Manager: Tom Bynum				P.O. #:																											
Address: 5614 N. Lovington Hwy				Company: <i>Newbourne</i>																											
City: Hobbs		State: NM Zip: 88240		Attn:																											
Phone #: 575-964-7740		Fax #:		Address:																											
Project #: <i>12-83</i>		Project Owner: <i>Newbourne</i>		City:																											
Project Name: <i>Roscoe B3AD Fed Com 1H</i>				State: Zip:																											
Project Location: <i>Eddy County, NM</i>				Phone #:																											
Sampler Name: <i>Neil Rogers</i>				Fax #:																											
FOR LAB USE ONLY																															
Lab I.D.	Sample I.D.	(G)RAB OR (C)OMP.	# CONTAINERS	MATRIX																PRESERV.		SAMPLING									
				GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER :	ACID/BASE:	ICE / COOL	OTHER :	DATE	TIME																	
<i>H221767</i>						X					X		<i>4/28/22</i>	<i>2:00</i>	<i>TPH</i>	<i>BTEX</i>	<i>Chlorides</i>														
<i>11</i>	<i>CS-10</i>																														
<i>12</i>	<i>CS-11</i>																														
<i>13</i>	<i>CS-14</i>																														
<i>14</i>	<i>CS-17</i>																														
<i>15</i>	<i>CS-19</i>																														
<i>16</i>	<i>CS-21</i>																														
<i>17</i>	<i>CS-22</i>																														
<i>18</i>	<i>CS-23</i>																														

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Relinquished By: <i>[Signature]</i>	Date: <i>4-29-22</i>	Received By: <i>[Signature]</i>	Phone Result: <input type="checkbox"/> Yes <input type="checkbox"/> No	Add'l Phone #:
	Time: <i>1132</i>		Fax Result: <input type="checkbox"/> Yes <input type="checkbox"/> No	Add'l Fax #:
Relinquished By:	Date:	Received By:	REMARKS:	
	Time:			
Delivered By: (Circle One) <i>-7.6°C</i> <i>X</i> <i>-0.5°C</i>	Sample Condition	CHECKED BY: <i>[Signature]</i>		
Sampler - UPS - Bus - Other: <i>-8.18 #113</i>	Cool Intact <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No		<i>Bill to Newbourne</i>	

† Cardinal cannot accept verbal changes. Please fax written changes to (575) 393-2326

Report to:
Tom Bynum



envirotech

Practical Solutions for a Better Tomorrow

Analytical Report

Pima Environmental Services-Carlsbad

Project Name: Roscoe 6 B 3AD Fed Com 1H

Work Order: E205022

Job Number: 21064-0001

Received: 5/6/2022

Revision: 1

Report Reviewed By:

Walter Hinchman
Laboratory Director
5/11/22

5796 U.S. Hwy 64
Farmington, NM 87401

Phone: (505) 632-1881
Envirotech-inc.com



Envirotech Inc. certifies the test results meet all requirements of TNI unless noted otherwise.
Statement of Data Authenticity: Envirotech Inc, attests the data reported has not been altered in any way.
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Envirotech Inc, holds the Utah TNI certification NM00979 for data reported.
Envirotech Inc, holds the Texas TNI certification T104704557 for data reported.
Envirotech Inc, holds the NM SDWA certification for data reported. (Lab #NM00979)

Date Reported: 5/11/22



Tom Bynum
PO Box 247
Plains, TX 79355-0247

Project Name: Roscoe 6 B 3AD Fed Com 1H
Workorder: E205022
Date Received: 5/6/2022 3:15:00PM

Tom Bynum,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 5/6/2022 3:15:00PM, under the Project Name: Roscoe 6 B 3AD Fed Com 1H.

The analytical test results summarized in this report with the Project Name: Roscoe 6 B 3AD Fed Com 1H apply to the individual samples collected, identified and submitted bearing the project name on the enclosed chain-of-custody. Subcontracted sample analyses not conducted by Envirotech, Inc., are attached in full as issued by the subcontract laboratory.

Please review the Chain-of-Custody (COC) and Sample Receipt Checklist (SRC) for any issues regarding sample receipt temperature, containers, preservation etc. To best understand your test results, review the entire report summarizing your sample data and the associated quality control batch data.

All reported data in this analytical report were analyzed according to the referenced method(s) and are in compliance with the latest NELAC/TNI standards, unless otherwise noted. Samples or analytical quality control parameters not meeting specific QC criteria are qualified with a data flag. Data flag definitions are located in the Notes and Definitions section of this analytical report.

If you have any questions concerning this report, please feel free to contact Envirotech, Inc.

Respectfully,

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Sample Summary

Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247	Project Name: Roscoe 6 B 3AD Fed Com 1H Project Number: 21064-0001 Project Manager: Tom Bynum	Reported: 05/11/22 14:24
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Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
CS-1	E205022-01A	Soil	04/28/22	05/06/22	Glass Jar, 4 oz.
CS-2	E205022-02A	Soil	04/28/22	05/06/22	Glass Jar, 4 oz.
CS-3	E205022-03A	Soil	04/28/22	05/06/22	Glass Jar, 4 oz.
CS-4	E205022-04A	Soil	04/28/22	05/06/22	Glass Jar, 4 oz.
CS-5	E205022-05A	Soil	04/28/22	05/06/22	Glass Jar, 4 oz.
CS-6	E205022-06A	Soil	04/28/22	05/06/22	Glass Jar, 4 oz.
CS-7	E205022-07A	Soil	04/28/22	05/06/22	Glass Jar, 4 oz.
CS-10	E205022-08A	Soil	04/28/22	05/06/22	Glass Jar, 4 oz.
CS-14	E205022-09A	Soil	04/28/22	05/06/22	Glass Jar, 4 oz.

Sample Data

Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247	Project Name: Roscoe 6 B 3AD Fed Com 1H Project Number: 21064-0001 Project Manager: Tom Bynum	Reported: 5/11/2022 2:24:55PM
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**CS-1
E205022-01**

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst: IY		Batch: 2219052
Benzene	ND	0.0250	1	05/07/22	05/09/22	
Ethylbenzene	ND	0.0250	1	05/07/22	05/09/22	
Toluene	ND	0.0250	1	05/07/22	05/09/22	
o-Xylene	ND	0.0250	1	05/07/22	05/09/22	
p,m-Xylene	ND	0.0500	1	05/07/22	05/09/22	
Total Xylenes	ND	0.0250	1	05/07/22	05/09/22	
<i>Surrogate: Bromofluorobenzene</i>		95.1 %	70-130	05/07/22	05/09/22	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		102 %	70-130	05/07/22	05/09/22	
<i>Surrogate: Toluene-d8</i>		103 %	70-130	05/07/22	05/09/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: IY		Batch: 2219052
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/07/22	05/09/22	
<i>Surrogate: Bromofluorobenzene</i>		95.1 %	70-130	05/07/22	05/09/22	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		102 %	70-130	05/07/22	05/09/22	
<i>Surrogate: Toluene-d8</i>		103 %	70-130	05/07/22	05/09/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: JL		Batch: 2220002
Diesel Range Organics (C10-C28)	ND	25.0	1	05/09/22	05/10/22	
Oil Range Organics (C28-C36)	ND	50.0	1	05/09/22	05/10/22	
<i>Surrogate: n-Nonane</i>		117 %	50-200	05/09/22	05/10/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: RAS		Batch: 2220017
Chloride	ND	20.0	1	05/10/22	05/10/22	



Sample Data

Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247	Project Name: Roscoe 6 B 3AD Fed Com 1H Project Number: 21064-0001 Project Manager: Tom Bynum	Reported: 5/11/2022 2:24:55PM
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CS-2

E205022-02

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst: IY		Batch: 2219052
Benzene	ND	0.0250	1	05/07/22	05/09/22	
Ethylbenzene	ND	0.0250	1	05/07/22	05/09/22	
Toluene	ND	0.0250	1	05/07/22	05/09/22	
o-Xylene	ND	0.0250	1	05/07/22	05/09/22	
p,m-Xylene	ND	0.0500	1	05/07/22	05/09/22	
Total Xylenes	ND	0.0250	1	05/07/22	05/09/22	
<i>Surrogate: Bromofluorobenzene</i>		93.8 %	70-130	05/07/22	05/09/22	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		100 %	70-130	05/07/22	05/09/22	
<i>Surrogate: Toluene-d8</i>		102 %	70-130	05/07/22	05/09/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: IY		Batch: 2219052
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/07/22	05/09/22	
<i>Surrogate: Bromofluorobenzene</i>		93.8 %	70-130	05/07/22	05/09/22	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		100 %	70-130	05/07/22	05/09/22	
<i>Surrogate: Toluene-d8</i>		102 %	70-130	05/07/22	05/09/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: JL		Batch: 2220002
Diesel Range Organics (C10-C28)	ND	25.0	1	05/09/22	05/10/22	
Oil Range Organics (C28-C36)	ND	50.0	1	05/09/22	05/10/22	
<i>Surrogate: n-Nonane</i>		117 %	50-200	05/09/22	05/10/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: RAS		Batch: 2220017
Chloride	ND	20.0	1	05/10/22	05/10/22	



Sample Data

Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247	Project Name: Roscoe 6 B 3AD Fed Com 1H Project Number: 21064-0001 Project Manager: Tom Bynum	Reported: 5/11/2022 2:24:55PM
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CS-3

E205022-03

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2219052
Benzene	ND	0.0250	1	05/07/22	05/09/22	
Ethylbenzene	ND	0.0250	1	05/07/22	05/09/22	
Toluene	ND	0.0250	1	05/07/22	05/09/22	
o-Xylene	ND	0.0250	1	05/07/22	05/09/22	
p,m-Xylene	ND	0.0500	1	05/07/22	05/09/22	
Total Xylenes	ND	0.0250	1	05/07/22	05/09/22	
<i>Surrogate: Bromofluorobenzene</i>		93.9 %	70-130	05/07/22	05/09/22	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		98.4 %	70-130	05/07/22	05/09/22	
<i>Surrogate: Toluene-d8</i>		103 %	70-130	05/07/22	05/09/22	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2219052
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/07/22	05/09/22	
<i>Surrogate: Bromofluorobenzene</i>		93.9 %	70-130	05/07/22	05/09/22	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		98.4 %	70-130	05/07/22	05/09/22	
<i>Surrogate: Toluene-d8</i>		103 %	70-130	05/07/22	05/09/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: JL		Batch: 2220002
Diesel Range Organics (C10-C28)	ND	25.0	1	05/09/22	05/10/22	
Oil Range Organics (C28-C36)	ND	50.0	1	05/09/22	05/10/22	
<i>Surrogate: n-Nonane</i>		113 %	50-200	05/09/22	05/10/22	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2220017
Chloride	ND	20.0	1	05/10/22	05/11/22	



Sample Data

Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247	Project Name: Roscoe 6 B 3AD Fed Com 1H Project Number: 21064-0001 Project Manager: Tom Bynum	Reported: 5/11/2022 2:24:55PM
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CS-4

E205022-04

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst: IY		Batch: 2219052
Benzene	ND	0.0250	1	05/07/22	05/09/22	
Ethylbenzene	ND	0.0250	1	05/07/22	05/09/22	
Toluene	ND	0.0250	1	05/07/22	05/09/22	
o-Xylene	ND	0.0250	1	05/07/22	05/09/22	
p,m-Xylene	ND	0.0500	1	05/07/22	05/09/22	
Total Xylenes	ND	0.0250	1	05/07/22	05/09/22	
<i>Surrogate: Bromofluorobenzene</i>		94.8 %	70-130	05/07/22	05/09/22	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		95.8 %	70-130	05/07/22	05/09/22	
<i>Surrogate: Toluene-d8</i>		103 %	70-130	05/07/22	05/09/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: IY		Batch: 2219052
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/07/22	05/09/22	
<i>Surrogate: Bromofluorobenzene</i>		94.8 %	70-130	05/07/22	05/09/22	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		95.8 %	70-130	05/07/22	05/09/22	
<i>Surrogate: Toluene-d8</i>		103 %	70-130	05/07/22	05/09/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: JL		Batch: 2220002
Diesel Range Organics (C10-C28)	ND	25.0	1	05/09/22	05/10/22	
Oil Range Organics (C28-C36)	ND	50.0	1	05/09/22	05/10/22	
<i>Surrogate: n-Nonane</i>		104 %	50-200	05/09/22	05/10/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: RAS		Batch: 2220017
Chloride	ND	20.0	1	05/10/22	05/11/22	



Sample Data

Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247	Project Name: Roscoe 6 B 3AD Fed Com 1H Project Number: 21064-0001 Project Manager: Tom Bynum	Reported: 5/11/2022 2:24:55PM
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CS-5

E205022-05

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst: IY		Batch: 2219052
Benzene	ND	0.0250	1	05/07/22	05/09/22	
Ethylbenzene	ND	0.0250	1	05/07/22	05/09/22	
Toluene	ND	0.0250	1	05/07/22	05/09/22	
o-Xylene	ND	0.0250	1	05/07/22	05/09/22	
p,m-Xylene	ND	0.0500	1	05/07/22	05/09/22	
Total Xylenes	ND	0.0250	1	05/07/22	05/09/22	
<i>Surrogate: Bromofluorobenzene</i>		94.6 %	70-130	05/07/22	05/09/22	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		96.4 %	70-130	05/07/22	05/09/22	
<i>Surrogate: Toluene-d8</i>		104 %	70-130	05/07/22	05/09/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: IY		Batch: 2219052
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/07/22	05/09/22	
<i>Surrogate: Bromofluorobenzene</i>		94.6 %	70-130	05/07/22	05/09/22	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		96.4 %	70-130	05/07/22	05/09/22	
<i>Surrogate: Toluene-d8</i>		104 %	70-130	05/07/22	05/09/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: JL		Batch: 2220002
Diesel Range Organics (C10-C28)	ND	25.0	1	05/09/22	05/10/22	
Oil Range Organics (C28-C36)	ND	50.0	1	05/09/22	05/10/22	
<i>Surrogate: n-Nonane</i>		133 %	50-200	05/09/22	05/10/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: RAS		Batch: 2220017
Chloride	ND	20.0	1	05/10/22	05/11/22	



Sample Data

Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247	Project Name: Roscoe 6 B 3AD Fed Com 1H Project Number: 21064-0001 Project Manager: Tom Bynum	Reported: 5/11/2022 2:24:55PM
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CS-6

E205022-06

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst: IY		Batch: 2219052
Benzene	ND	0.0250	1	05/07/22	05/09/22	
Ethylbenzene	ND	0.0250	1	05/07/22	05/09/22	
Toluene	ND	0.0250	1	05/07/22	05/09/22	
o-Xylene	ND	0.0250	1	05/07/22	05/09/22	
p,m-Xylene	ND	0.0500	1	05/07/22	05/09/22	
Total Xylenes	ND	0.0250	1	05/07/22	05/09/22	
<i>Surrogate: Bromofluorobenzene</i>		95.3 %	70-130	05/07/22	05/09/22	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		101 %	70-130	05/07/22	05/09/22	
<i>Surrogate: Toluene-d8</i>		102 %	70-130	05/07/22	05/09/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: IY		Batch: 2219052
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/07/22	05/09/22	
<i>Surrogate: Bromofluorobenzene</i>		95.3 %	70-130	05/07/22	05/09/22	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		101 %	70-130	05/07/22	05/09/22	
<i>Surrogate: Toluene-d8</i>		102 %	70-130	05/07/22	05/09/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: JL		Batch: 2220002
Diesel Range Organics (C10-C28)	ND	25.0	1	05/09/22	05/10/22	
Oil Range Organics (C28-C36)	ND	50.0	1	05/09/22	05/10/22	
<i>Surrogate: n-Nonane</i>		114 %	50-200	05/09/22	05/10/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: RAS		Batch: 2220017
Chloride	ND	20.0	1	05/10/22	05/11/22	



Sample Data

Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247	Project Name: Roscoe 6 B 3AD Fed Com 1H Project Number: 21064-0001 Project Manager: Tom Bynum	Reported: 5/11/2022 2:24:55PM
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CS-7

E205022-07

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2219052
Benzene	ND	0.0250	1	05/07/22	05/09/22	
Ethylbenzene	ND	0.0250	1	05/07/22	05/09/22	
Toluene	ND	0.0250	1	05/07/22	05/09/22	
o-Xylene	ND	0.0250	1	05/07/22	05/09/22	
p,m-Xylene	ND	0.0500	1	05/07/22	05/09/22	
Total Xylenes	ND	0.0250	1	05/07/22	05/09/22	
<i>Surrogate: Bromofluorobenzene</i>		93.8 %	70-130	05/07/22	05/09/22	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		96.9 %	70-130	05/07/22	05/09/22	
<i>Surrogate: Toluene-d8</i>		104 %	70-130	05/07/22	05/09/22	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2219052
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/07/22	05/09/22	
<i>Surrogate: Bromofluorobenzene</i>		93.8 %	70-130	05/07/22	05/09/22	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		96.9 %	70-130	05/07/22	05/09/22	
<i>Surrogate: Toluene-d8</i>		104 %	70-130	05/07/22	05/09/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: JL		Batch: 2220002
Diesel Range Organics (C10-C28)	ND	25.0	1	05/09/22	05/10/22	
Oil Range Organics (C28-C36)	ND	50.0	1	05/09/22	05/10/22	
<i>Surrogate: n-Nonane</i>		109 %	50-200	05/09/22	05/10/22	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2220017
Chloride	ND	20.0	1	05/10/22	05/11/22	



Sample Data

Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247	Project Name: Roscoe 6 B 3AD Fed Com 1H Project Number: 21064-0001 Project Manager: Tom Bynum	Reported: 5/11/2022 2:24:55PM
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CS-10

E205022-08

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst: IY		Batch: 2219052
Benzene	ND	0.0250	1	05/07/22	05/09/22	
Ethylbenzene	ND	0.0250	1	05/07/22	05/09/22	
Toluene	ND	0.0250	1	05/07/22	05/09/22	
o-Xylene	ND	0.0250	1	05/07/22	05/09/22	
p,m-Xylene	ND	0.0500	1	05/07/22	05/09/22	
Total Xylenes	ND	0.0250	1	05/07/22	05/09/22	
<i>Surrogate: Bromofluorobenzene</i>		94.3 %	70-130	05/07/22	05/09/22	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		98.9 %	70-130	05/07/22	05/09/22	
<i>Surrogate: Toluene-d8</i>		104 %	70-130	05/07/22	05/09/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: IY		Batch: 2219052
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/07/22	05/09/22	
<i>Surrogate: Bromofluorobenzene</i>		94.3 %	70-130	05/07/22	05/09/22	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		98.9 %	70-130	05/07/22	05/09/22	
<i>Surrogate: Toluene-d8</i>		104 %	70-130	05/07/22	05/09/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: JL		Batch: 2220002
Diesel Range Organics (C10-C28)	ND	25.0	1	05/09/22	05/10/22	
Oil Range Organics (C28-C36)	ND	50.0	1	05/09/22	05/10/22	
<i>Surrogate: n-Nonane</i>		115 %	50-200	05/09/22	05/10/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: RAS		Batch: 2220017
Chloride	ND	20.0	1	05/10/22	05/11/22	



Sample Data

Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247	Project Name: Roscoe 6 B 3AD Fed Com 1H Project Number: 21064-0001 Project Manager: Tom Bynum	Reported: 5/11/2022 2:24:55PM
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CS-14
E205022-09

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst: IY		Batch: 2219052
Benzene	ND	0.0250	1	05/07/22	05/09/22	
Ethylbenzene	ND	0.0250	1	05/07/22	05/09/22	
Toluene	ND	0.0250	1	05/07/22	05/09/22	
o-Xylene	ND	0.0250	1	05/07/22	05/09/22	
p,m-Xylene	ND	0.0500	1	05/07/22	05/09/22	
Total Xylenes	ND	0.0250	1	05/07/22	05/09/22	
<i>Surrogate: Bromofluorobenzene</i>		93.9 %	70-130	05/07/22	05/09/22	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		99.5 %	70-130	05/07/22	05/09/22	
<i>Surrogate: Toluene-d8</i>		103 %	70-130	05/07/22	05/09/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: IY		Batch: 2219052
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/07/22	05/09/22	
<i>Surrogate: Bromofluorobenzene</i>		93.9 %	70-130	05/07/22	05/09/22	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		99.5 %	70-130	05/07/22	05/09/22	
<i>Surrogate: Toluene-d8</i>		103 %	70-130	05/07/22	05/09/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: JL		Batch: 2220002
Diesel Range Organics (C10-C28)	ND	25.0	1	05/09/22	05/10/22	
Oil Range Organics (C28-C36)	ND	50.0	1	05/09/22	05/10/22	
<i>Surrogate: n-Nonane</i>		112 %	50-200	05/09/22	05/10/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: RAS		Batch: 2220017
Chloride	ND	20.0	1	05/10/22	05/11/22	



QC Summary Data

Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247	Project Name: Roscoe 6 B 3AD Fed Com 1H Project Number: 21064-0001 Project Manager: Tom Bynum	Reported: 5/11/2022 2:24:55PM
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Volatile Organic Compounds by EPA 8260B

Analyst: IY

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2219052-BLK1)

Prepared: 05/07/22 Analyzed: 05/09/22

Benzene	ND	0.0250							
Ethylbenzene	ND	0.0250							
Toluene	ND	0.0250							
o-Xylene	ND	0.0250							
p,m-Xylene	ND	0.0500							
Total Xylenes	ND	0.0250							
Surrogate: Bromofluorobenzene	0.460		0.500		91.9		70-130		
Surrogate: 1,2-Dichloroethane-d4	0.490		0.500		98.0		70-130		
Surrogate: Toluene-d8	0.517		0.500		103		70-130		

LCS (2219052-BS1)

Prepared: 05/07/22 Analyzed: 05/09/22

Benzene	2.17	0.0250	2.50		86.8		70-130		
Ethylbenzene	2.17	0.0250	2.50		86.7		70-130		
Toluene	2.11	0.0250	2.50		84.6		70-130		
o-Xylene	2.09	0.0250	2.50		83.8		70-130		
p,m-Xylene	4.22	0.0500	5.00		84.4		70-130		
Total Xylenes	6.31	0.0250	7.50		84.2		70-130		
Surrogate: Bromofluorobenzene	0.488		0.500		97.6		70-130		
Surrogate: 1,2-Dichloroethane-d4	0.496		0.500		99.1		70-130		
Surrogate: Toluene-d8	0.510		0.500		102		70-130		

Matrix Spike (2219052-MS1)

Source: E205022-01

Prepared: 05/07/22 Analyzed: 05/09/22

Benzene	2.33	0.0250	2.50	ND	93.2		48-131		
Ethylbenzene	2.33	0.0250	2.50	ND	93.3		45-135		
Toluene	2.30	0.0250	2.50	ND	92.1		48-130		
o-Xylene	2.27	0.0250	2.50	ND	90.7		43-135		
p,m-Xylene	4.51	0.0500	5.00	ND	90.2		43-135		
Total Xylenes	6.78	0.0250	7.50	ND	90.4		43-135		
Surrogate: Bromofluorobenzene	0.500		0.500		100		70-130		
Surrogate: 1,2-Dichloroethane-d4	0.500		0.500		99.9		70-130		
Surrogate: Toluene-d8	0.517		0.500		103		70-130		

Matrix Spike Dup (2219052-MSD1)

Source: E205022-01

Prepared: 05/07/22 Analyzed: 05/09/22

Benzene	2.30	0.0250	2.50	ND	91.9		48-131	1.47	23
Ethylbenzene	2.30	0.0250	2.50	ND	92.1		45-135	1.30	27
Toluene	2.25	0.0250	2.50	ND	89.9		48-130	2.46	24
o-Xylene	2.23	0.0250	2.50	ND	89.4		43-135	1.44	27
p,m-Xylene	4.47	0.0500	5.00	ND	89.3		43-135	1.00	27
Total Xylenes	6.70	0.0250	7.50	ND	89.3		43-135	1.15	27
Surrogate: Bromofluorobenzene	0.494		0.500		98.7		70-130		
Surrogate: 1,2-Dichloroethane-d4	0.498		0.500		99.5		70-130		
Surrogate: Toluene-d8	0.509		0.500		102		70-130		



QC Summary Data

Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247	Project Name: Roscoe 6 B 3AD Fed Com 1H Project Number: 21064-0001 Project Manager: Tom Bynum	Reported: 5/11/2022 2:24:55PM
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Nonhalogenated Organics by EPA 8015D - GRO

Analyst: IY

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2219052-BLK1)

Prepared: 05/07/22 Analyzed: 05/09/22

Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: Bromofluorobenzene	0.460		0.500		91.9	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.490		0.500		98.0	70-130			
Surrogate: Toluene-d8	0.517		0.500		103	70-130			

LCS (2219052-BS2)

Prepared: 05/07/22 Analyzed: 05/09/22

Gasoline Range Organics (C6-C10)	50.1	20.0	50.0		100	70-130			
Surrogate: Bromofluorobenzene	0.481		0.500		96.1	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.503		0.500		101	70-130			
Surrogate: Toluene-d8	0.517		0.500		103	70-130			

Matrix Spike (2219052-MS2)

Source: E205022-01

Prepared: 05/07/22 Analyzed: 05/09/22

Gasoline Range Organics (C6-C10)	53.5	20.0	50.0	ND	107	70-130			
Surrogate: Bromofluorobenzene	0.481		0.500		96.1	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.508		0.500		102	70-130			
Surrogate: Toluene-d8	0.514		0.500		103	70-130			

Matrix Spike Dup (2219052-MSD2)

Source: E205022-01

Prepared: 05/07/22 Analyzed: 05/09/22

Gasoline Range Organics (C6-C10)	52.1	20.0	50.0	ND	104	70-130	2.54	20	
Surrogate: Bromofluorobenzene	0.482		0.500		96.4	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.494		0.500		98.8	70-130			
Surrogate: Toluene-d8	0.525		0.500		105	70-130			



QC Summary Data

Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247	Project Name: Roscoe 6 B 3AD Fed Com 1H Project Number: 21064-0001 Project Manager: Tom Bynum	Reported: 5/11/2022 2:24:55PM
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Nonhalogenated Organics by EPA 8015D - DRO/ORO

Analyst: JL

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec % %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2220002-BLK1)

Prepared: 05/09/22 Analyzed: 05/11/22

Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	49.7		50.0		99.3	50-200			

LCS (2220002-BS1)

Prepared: 05/09/22 Analyzed: 05/11/22

Diesel Range Organics (C10-C28)	468	25.0	500		93.6	38-132			
Surrogate: n-Nonane	49.1		50.0		98.1	50-200			

Matrix Spike (2220002-MS1)

Source: E205022-02

Prepared: 05/09/22 Analyzed: 05/11/22

Diesel Range Organics (C10-C28)	622	25.0	500	ND	124	38-132			
Surrogate: n-Nonane	60.1		50.0		120	50-200			

Matrix Spike Dup (2220002-MSD1)

Source: E205022-02

Prepared: 05/09/22 Analyzed: 05/11/22

Diesel Range Organics (C10-C28)	626	25.0	500	ND	125	38-132	0.700	20	
Surrogate: n-Nonane	66.5		50.0		133	50-200			



QC Summary Data

Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247	Project Name: Roscoe 6 B 3AD Fed Com 1H Project Number: 21064-0001 Project Manager: Tom Bynum	Reported: 5/11/2022 2:24:55PM
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Anions by EPA 300.0/9056A

Analyst: RAS

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2220017-BLK1)

Prepared: 05/10/22 Analyzed: 05/10/22

Chloride	ND	20.0							
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LCS (2220017-BS1)

Prepared: 05/10/22 Analyzed: 05/10/22

Chloride	247	20.0	250		98.7	90-110			
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Matrix Spike (2220017-MS1)

Source: E205022-01

Prepared: 05/10/22 Analyzed: 05/10/22

Chloride	254	20.0	250	ND	101	80-120			
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Matrix Spike Dup (2220017-MSD1)

Source: E205022-01

Prepared: 05/10/22 Analyzed: 05/10/22

Chloride	253	20.0	250	ND	101	80-120	0.347	20	
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QC Summary Report Comment:

Calculations are based off of the raw (non-rounded) data. However, for reporting purposes all QC data is rounded to three significant figures. Therefore, hand calculated values may differ slightly.



Definitions and Notes

Pima Environmental Services-Carlsbad	Project Name:	Roscoe 6 B 3AD Fed Com 1H	
PO Box 247	Project Number:	21064-0001	Reported:
Plains TX, 79355-0247	Project Manager:	Tom Bynum	05/11/22 14:24

ND Analyte NOT DETECTED at or above the reporting limit

NR Not Reported

RPD Relative Percent Difference

DNI Did Not Ignite

Note (1): Methods marked with ** are non-accredited methods.

Note (2): Soil data is reported on an "as received" weight basis, unless reported otherwise.



Project Information

Chain of Custody

Client: Pima Environmental Services Project: <u>Roscoe B B3AD FED COM IH</u> Project Manager: <u>Tom Bynum</u> Address: <u>5614 N. Lovington Hwy.</u> City, State, Zip: <u>Hobbs, NM, 88240</u> Phone: <u>580-748-1613</u> Email: <u>tom@pimaoil.com</u> Report due by: _____					Bill To Attention: _____ Address: _____ City, State, Zip: _____ Phone: _____ Email: _____ Pima Project # <u>12-83</u>					Lab Use Only Lab WO# <u>E205022</u> Job Number <u>21X04-0001</u> Analysis and Method DTG/DRG by 8010 DTG/DRG by 8010 BTEX by 8021 VOC by 8260 Metals 6010 Chloride 3000 BDOC NIM BDOC TX					TAT 1D 2D 3D Standard X			EPA Program CWA SDWA RCRA State NM CO UT AZ TX	
Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Lab Number	DTG/DRG by 8010	DTG/DRG by 8010	BTEX by 8021	VOC by 8260	Metals 6010	Chloride 3000	BDOC NIM	BDOC TX	Remarks					
	4/28/22	Soil	1	CS-1	1														
				CS-2	2														
				CS-3	3														
				CS-4	4														
				CS-5	5														
				CS-6	6														
				CS-7	7														
				CS-10	8														
				CS-14	9														
Additional Instructions: <u>BILL TO PIMA ENVIRONMENTAL</u>																			
I, (field sampler), attest to the validity and authenticity of this sample. I am aware that tampering with or intentionally mislabeling the sample location, date or time of collection is considered fraud and may be grounds for legal action.										Samples requiring thermal preservation must be received on ice the day they are sampled or received packed in ice at an avg temp above 0 but less than 6°C on subsequent days.									
Relinquished by: (Signature) <u>Neil Rogers</u> Date <u>5/4/22</u> Time <u>12:00</u>					Received by: (Signature) _____ Date <u>5-4-22</u> Time <u>1200</u>					Lab Use Only Received on ice: <input checked="" type="checkbox"/> Y <input type="checkbox"/> N									
Relinquished by: (Signature) _____ Date <u>5-5-22</u> Time <u>1540</u>					Received by: (Signature) _____ Date <u>5/10/22</u> Time <u>15:15</u>					T1 _____ T2 _____ T3 _____									
Relinquished by: (Signature) _____ Date _____ Time _____					Received by: (Signature) _____ Date _____ Time _____					AVG Temp °C <u>4</u>									
Sample Matrix: S - Soil, SD - Solid, SL - Sludge, A - Aqueous, O - Other Container Type: g - glass, p - poly/plastic, ag - amber glass, v - VOA																			
Note: Samples are discarded 30 days after results are reported unless other arrangements are made. Hazardous samples will be returned to client or disposed of at the client expense. The report for the analysis of the above samples is applicable only to those samples received by the laboratory with this COC. The liability of the laboratory is limited to the amount paid for on the report.																			



Envirotech Analytical Laboratory

Printed: 5/9/2022 9:09:19AM

Sample Receipt Checklist (SRC)

Instructions: Please take note of any NO checkmarks.

If we receive no response concerning these items within 24 hours of the date of this notice, all the samples will be analyzed as requested.

Client:	Pima Environmental Services-Carlsbad	Date Received:	05/06/22 15:15	Work Order ID:	E205022
Phone:	(575) 631-6977	Date Logged In:	05/06/22 09:41	Logged In By:	Caitlin Christian
Email:	tom@pimaoil.com	Due Date:	05/11/22 17:00 (3 day TAT)		

Chain of Custody (COC)

- 1. Does the sample ID match the COC? Yes
- 2. Does the number of samples per sampling site location match the COC? Yes
- 3. Were samples dropped off by client or carrier? Yes
- 4. Was the COC complete, i.e., signatures, dates/times, requested analyses? No
- 5. Were all samples received within holding time? Yes

Carrier: Courier

Note: Analysis, such as pH which should be conducted in the field, i.e, 15 minute hold time, are not included in this discussion.

Sample Turn Around Time (TAT)

- 6. Did the COC indicate standard TAT, or Expedited TAT? Yes

Sample Cooler

- 7. Was a sample cooler received? Yes
- 8. If yes, was cooler received in good condition? Yes
- 9. Was the sample(s) received intact, i.e., not broken? Yes
- 10. Were custody/security seals present? No
- 11. If yes, were custody/security seals intact? NA
- 12. Was the sample received on ice? If yes, the recorded temp is 4°C, i.e., 6°±2°C? Yes

Note: Thermal preservation is not required, if samples are received w/i 15 minutes of sampling

- 13. If no visible ice, record the temperature. Actual sample temperature: 4°C

Sample Container

- 14. Are aqueous VOC samples present? No
- 15. Are VOC samples collected in VOA Vials? NA
- 16. Is the head space less than 6-8 mm (pea sized or less)? NA
- 17. Was a trip blank (TB) included for VOC analyses? NA
- 18. Are non-VOC samples collected in the correct containers? Yes
- 19. Is the appropriate volume/weight or number of sample containers collected? Yes

Field Label

- 20. Were field sample labels filled out with the minimum information:
 - Sample ID? Yes
 - Date/Time Collected? No
 - Collectors name? No

Sample Preservation

- 21. Does the COC or field labels indicate the samples were preserved? No
- 22. Are sample(s) correctly preserved? NA
- 24. Is lab filtration required and/or requested for dissolved metals? No

Multiphase Sample Matrix

- 26. Does the sample have more than one phase, i.e., multiphase? No
- 27. If yes, does the COC specify which phase(s) is to be analyzed? NA

Subcontract Laboratory

- 28. Are samples required to get sent to a subcontract laboratory? No
- 29. Was a subcontract laboratory specified by the client and if so who? NA Subcontract Lab: na

Comments/Resolution

Time sampled not provided on COC.

Client Instruction

Signature of client authorizing changes to the COC or sample disposition.

Date



envirotech Inc.

District I
 1625 N. French Dr., Hobbs, NM 88240
 Phone:(575) 393-6161 Fax:(575) 393-0720
District II
 811 S. First St., Artesia, NM 88210
 Phone:(575) 748-1283 Fax:(575) 748-9720
District III
 1000 Rio Brazos Rd., Aztec, NM 87410
 Phone:(505) 334-6178 Fax:(505) 334-6170
District IV
 1220 S. St Francis Dr., Santa Fe, NM 87505
 Phone:(505) 476-3470 Fax:(505) 476-3462

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

CONDITIONS

Action 118464

CONDITIONS

Operator: MEWBOURNE OIL CO P.O. Box 5270 Hobbs, NM 88241	OGRID: 14744
	Action Number: 118464
	Action Type: [C-141] Release Corrective Action (C-141)

CONDITIONS

Created By	Condition	Condition Date
rhamlet	The Closure Report is approved. Contaminated material that has been excavated should always be placed on plastic to prevent cross-contamination with other parts of the pad. If this is not accomplished in the future, the closure will be denied.	10/26/2022