Page 1 of 156

Incident ID	NAPP2113124547
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 in	tems must be included in the closure report.
✓ A scaled site and sampling diagram as described in 19.15.29.1	1 NMAC
Photographs of the remediated site prior to backfill or photos must be notified 2 days prior to liner inspection)	of the liner integrity if applicable (Note: appropriate OCD District office
✓ Laboratory analyses of final sampling (Note: appropriate ODC	C District office must be notified 2 days prior to final sampling)
✓ Description of remediation activities	
and regulations all operators are required to report and/or file certain may endanger public health or the environment. The acceptance of should their operations have failed to adequately investigate and renhuman health or the environment. In addition, OCD acceptance of a compliance with any other federal, state, or local laws and/or regula restore, reclaim, and re-vegetate the impacted surface area to the confaccordance with 19.15.29.13 NMAC including notification to the O	ntions. The responsible party acknowledges they must substantially nditions that existed prior to the release or their final land use in OCD when reclamation and re-vegetation are complete. Title: HSE Coordinator
OCD Only	
Received by: Chad Hensley	Date:12/14/2021
	of liability should their operations have failed to adequately investigate and water, human health, or the environment nor does not relieve the responsible or regulations.
Closure Approved by:	Date: 12/14/2021
Printed Name: Chad Hensley	Title: Environmental Specialist Advanced



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

August 5th, 2021

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

Re: Site Assessment, Remediation, and Closure Report

Tex Mack #231
API No. 30-015-38164
GPS: Latitude 32.8587646 Longitude -103.834671
UL "P", Sec. 2, T17S, R31E
Eddy County, NM
NMOCD Ref. No. NAPP2113124547

Dear Mr. Hensley,

Pima Environmental Services, LLC (Pima) has been contracted by Spur Energy Partners, LLC. (Spur) to perform a spill assessment and remediation activities for a produced water release that occurred at the Tex Mack #231 (Tex Mack). The initial C-141 was submitted on May 10th, 2021 (Appendix C). This incident was assigned Incident ID NAPP2113124547, by the New Mexico Oil Conservation Division (NMOCD).

Site Characterization

The Tex Mack is located approximately four (4) miles west of Maljamar, NM. This spill site is in Unit P, Section 2, Township 17S, Range 31E, Latitude 32.8587646, Longitude -103.834671, Eddy County, NM. Figure 1 references a location map.

Per the New Mexico Bureau of Geology and Mineral Resources, the geology is in the Quaternary Formation- Eolian and piedmont deposits (Holocene to middle Pleistocene). Interlayered eolian sands and piedmont-slope deposits along the eastern flank of the Pecos River valley, primarily between Roswell and Carlsbad. Typically capped by thin eolian deposits. The soil in this area is made up of Kermit-Berino fine sands, 0 to 3 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 excessively drained. There is a low potential for karst geology to be present around the Tex Mack (Figure 3).

According to the New Mexico Office of the State Engineer, depth to the nearest groundwater in this area is 96 feet below grade surface (BGS). According to the United States Geological Survey (USGS), the nearest groundwater is 45 feet BGS. The closest waterway and is a playa located approximately 14.78 miles to the southwest of this location. See Appendix A for referenced water surveys.

	Tak	le 1 NMAC and Closure Crit	eria 19.15.29							
Depth to Groundwater	Constituent & Limits									
(Appendix A)	Chlorides	Total TPH	tituent & Limits GRO+DRO BTEX 50 mg/kg the release as if the groundwater was less than 5 Yes rse rater mark urch useholds for domestic or	Benzene						
45′	600 mg/kg	100 mg/kg		50 mg/kg	10 mg/kg					
If the release occurred within a 19.15.29	any of the following areas, the	responsible party would trea	at the release as if the groun	dwater was less than !	50 feet per Rule					
	Yes	No								
Within <u>300</u> feet of any continu	ously flowing watercourse or a	ny other significant waterco	urse		х					
Within <u>200</u> feet of any lakebed	d, sinkhole, or playa lake (measi	ures from the ordinary high-	water mark		х					
Within <u>300</u> feet from an occup	oied permanent residence, scho	ol, hospital, institution, or c	hurch		Х					
Within <u>500</u> feet of a spring or a stock water purposes	a private, domestic freshwater	well used by less than five h	ouseholds for domestic or		x					
Within 1000 feet of any freshw	vater well or spring				X					
Within incorporated municipal	l boundaries or within a defined	d municipal freshwater well	field		x					
Within <u>300</u> feet of a wetlands		•			Χ					
Within the area overlying a sul	bsurface mine				X					
Within an unstable area (Karst	·)				X					
Within a 100-year floodplain					X					

Reference Figure 2 for a Topographic Map.

Release Information

NAPP2113124547: On May 7th, 2021, a casing clamp failed on the casing collar causing fluid to be released onto the pad and into the adjacent pasture. The released fluid was calculated to be approximately 1,200 barrels (bbls) of produced water. Vacuum trucks were immediately dispatched and recovered approximately 1,000 bbls of fluid.

Site Assessment and Soil Sampling Results

On May 10th, 2021, Pima Environmental mobilized personnel to the site to assess the area. We sampled the areas on and off pad. Laboratory results of this sampling event can be found in the following data table.

5-10-21 Soil Sample Results

NMO	CD Table 1	Closure C	Criteria 19.1	5.29 NMA	C (Depth	to Groun	dwater is 96)
		SI	PUR ENERG	Y - TEX M	ACK #231			
ample Date !	5-10-21		N	M Appro	ved Labor	atory Res	ults	
Sample ID	Depth (BGS)	BTEX mg/kg	Benzene mg/kg	GRO mg/kg	DRO mg/kg	MRO mg/kg	Total TPH mg/kg	Cl mg/kg
	0-6"	ND	ND	ND	178	47.5	225.5	1580
S-1	1'	-		199		-	-	768
	2	-4		- 22	- 4			432
	0-6"	ND	ND	ND	ND	ND	0	1300
S-2	1'				-			1360
3-2	2			198		- 1		240
	3			4	4			48
S-3	0-6"	ND	ND	ND	ND	ND	0	1980
5-3	1'			144		-22		591
	0-6"	ND	ND	ND	ND	ND	0	1220
S-4	1'				4		200	112
S-5	0-6"	ND	ND	ND	ND	ND	0	32
	0-6"	ND	ND	ND	12.8	ND	12.8	1470
	1'			-		-		1150
S-6	2	- 4	7	4	4	2	2	800
	3				-	-	-	784
	0-6"	ND	ND	ND	140	23.8	163.8	3600
	1'		-	ND	ND	ND	ND	3080
S-7	2		- 2-	2	4			3360
	3			99	++			3200
	0-6"	ND	ND	ND	229	38.4	267.4	6560
	1'	-	-	ND	11.4	ND	11.4	1800
S-8	2	- 4	-		4			1120
	3	-				-		1170
BG-1	0-6"	ND	ND	ND	ND	ND	0	32

ND- Analyte Not Detected

Remediation Activities

On May 18th, 2021, Pima mobilized personnel and equipment to conduct remedial activities. We excavated and treated the areas on and off pad. Our bioremediation chemical solution was sprayed on and tilled into the soil a total of 3 times. Photographic documentation can be found in Appendix D.

On May 26th, 2021, we collected samples from the excavation, to confirm that all contaminated soil had been removed. The laboratory results of this sampling event can be found in the following table.

5-26-21 Excavation Soil Sample Results

NMOCI	D Table 1	Closure Cr	iteria 19.15	.29 NMA	C (Depth t	o Ground	lwater is 96')					
		SPL	IR ENERGY	- TEX MA	CK #231							
Date 5/26/	2021		NM Approved Laboratory Results									
Sample ID	Depth (BGS)	BTEX mg/kg	Benzene mg/kg	GRO mg/kg	DRO mg/kg	MRO mg/kg	Total TPH mg/kg	Cl mg/kg				
S-1 Bottom	2'			. +-				ND				
S-2 Bottom	2'	-99	- 0		4-		9-	ND				
S-3 Bottom	2'				1	1-9-	21	ND				
S-4 Bottom	1'	11-26	65	9-	90	9-	9-11	ND				
S-5 Bottom	1'	144	42	42.		42	(-4)	ND				
S-6 Bottom	6'	-65-1					9-1	ND				
S-6 Wall Comp	2'	322	24	1 22	4-	_ CAP		ND				
S-7 Bottom	6'	95.4	1,64	100	4-			ND				
S-7 Wall Comp	2'	95-1	9-	ND	ND	ND		ND				
S-8 Bottom	6'							16				
S-8 Wall Comp	2'		1,64	ND	ND	ND		ND				

ND- Analyte Not Detected

On June 23rd, 2021, Pima returned to the site to collect 30-day progress samples from the treated areas. The field screen results can be found in the following table.

6-23-21 30-Day Soil Sample Field Results

NI			re Criteria 1				ındwater is 9	6')			
			SPUR ENE	RGY - TEX	MACK #2	31					
Date 6-23	-21	30-Day Field Titration Results									
Sample ID	Depth (BGS)	BTEX mg/kg	Benzene mg/kg	GRO mg/kg	DRO mg/kg	MRO mg/kg	Total TPH mg/kg	CI mg/kg			
S-1	0-6"							4254			
S-2	0-6"							3545			
S-3	0-6"							7090			
S-4	0-6"							1279			
S-5	0-6"										
S-6	0-6"					1		2127			
	1' 2'							1064 780			
	3'		7 71		1			709			
S-7	0-6"		11.		,1 - 1			886			
	1'		7 11		1 1			461			
. — 1	2'		I.		,1 1	1 1	-	1064			
	3'		11					1312			
S-8	0-6"		11.					780			
	1'							567			
	2'							709			
	3'							709			

On July 29th, 2021, after sending out a 48-hour notification, Pima returned to the site to collect confirmation samples from the treated areas. We collected 5-point composite samples from each of the sample points. The results can be found in the following table. A confirmation sample map can be found in Figure 5.

7-29-21 Confirmation Soil Sample Results

NMO	D Table 1	Closure Cr	iteria 19.15	.29 NMAC	(Depth to	Ground	water is 96')	7					
		SPI	JR ENERGY	- TEX MA	CK #231								
Date 7/29	/2021		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					
CS1	1'	ND	ND	ND	ND	ND	0	ND					
CS2	1'	ND	ND	ND	ND	ND	0	ND					
CS3	1'	ND	ND	ND	ND	ND	0	ND					
CS4	1'	ND	ND	ND	ND	ND	0	ND					
CS5	1'	ND	ND	ND	ND	ND	0	ND					
CS6	1'	ND	ND	ND	ND	ND	0	ND					
CS7	1'	ND	ND	ND	ND	ND	0	ND					
CS8	1'	ND	ND	ND	ND	ND	0	ND					
CS9	1'	ND	ND	ND	ND	ND	0	ND					
CS10	1'	ND	ND	ND	ND	ND	0	ND					
CS11	6"	ND	ND	ND	ND	ND	0	ND					
CS12	6"	ND	ND	ND	ND	ND	0	ND					
CS13	6"	ND	ND	ND	ND	ND	0	ND					
CS14	6"	ND	ND	ND	ND	ND	0	ND					
CS15	3'	ND	ND	ND	ND	ND	0	ND					
CS16	3'	ND	ND	ND	ND	ND	0	ND					
CS17	3'	ND	ND	ND	ND	ND	0	ND					
CS18	3'	ND	ND	ND	ND	ND	0	ND					

ND – No Analyte Detected

On August 9th, 2021, Pima returned to the site to complete and confirm horizontal delineation of the spill area. The results of this sampling event can be found in the following table. A horizontal delineation map can be found in Figure 6.

8-9-2021 Soil Sample Results

NMO	OCD Table 1	Closure C	riteria 19.15	.29 NMAC	(Depth to	Groundw	ater is 96')			
		SP	UR ENERGY	- TEX MAC	K #231					
Date 8/9/	2021		- 1	NM Appro	ved Labora	atory Resu	ory Results			
Sample ID	Depth (BGS)	BTEX mg/kg	Benzene mg/kg	GRO mg/kg	DRO mg/kg	MRO mg/kg	Total TPH mg/kg	Cl mg/kg		
SW-1	0-6"	ND	ND	ND	ND	ND	0	30.6		
SW-2	0-6"	ND	ND	ND	ND	ND	0	43.5		
SW-3	0-6"	ND	ND	ND	ND	ND	0	134		
SW-4	0-6"	ND	ND	ND	ND	ND	0	311		
SW-5	0-6"	ND	ND	ND	ND	ND	0	57.7		
SW-6	0-6"	ND	ND	ND	ND	ND	0	22.6		
SW-7	0-6"	ND	ND	ND	ND	ND	0	172		
SW-8	0-6"	ND	ND	ND	ND	ND	0	226		
SW-9	0-6"	ND	ND	ND	ND	ND	0	ND		
SW-10	0-6"	ND	ND	ND	ND	ND	0	ND		
SW-11	0-6"	ND	ND	ND	ND	ND	0	ND		
SW-12	0-6"	ND	ND	ND	ND	ND	0	246		
SW-13	0-6"	ND	ND	ND	ND	ND	0	72		
SW-14	0-6"	ND	ND	ND	ND	ND	0	197		
SW-15	0-6"	ND	ND	ND	ND	ND	0	111		

ND – No Analyte Detected

Complete Laboratory Reports are attached in Appendix E.

Closure Request

After careful review, Pima requests that this incident, NAPP2113124547, be closed. Spur has complied with the applicable closure requirements set forth in rule 19.15.19.12 NMAC.

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

Respectfully,

Tom Bynum

Tom Bynum Environmental Project Manager

Pima Environmental Services, LLC

Attachments

Figures:

- 1- Location Map
- 2- Topo Map
- 3- Karst Map
- 4- Site Map
- 5- Confirmation Sample Map
- 6- Horizontal Delineation Map

Appendices:

Appendix A – Referenced Water Surveys

Appendix B – Soil Survey and Geological Data

Appendix C - C-141's

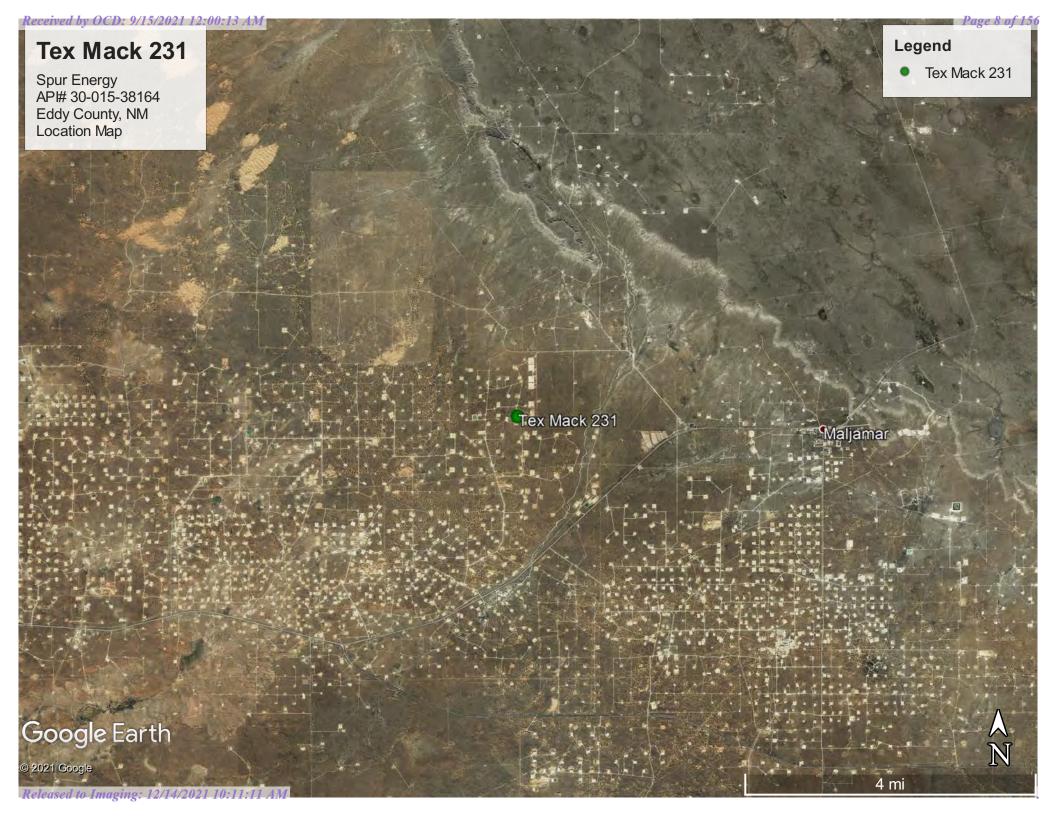
Appendix D – Photographic Documentation

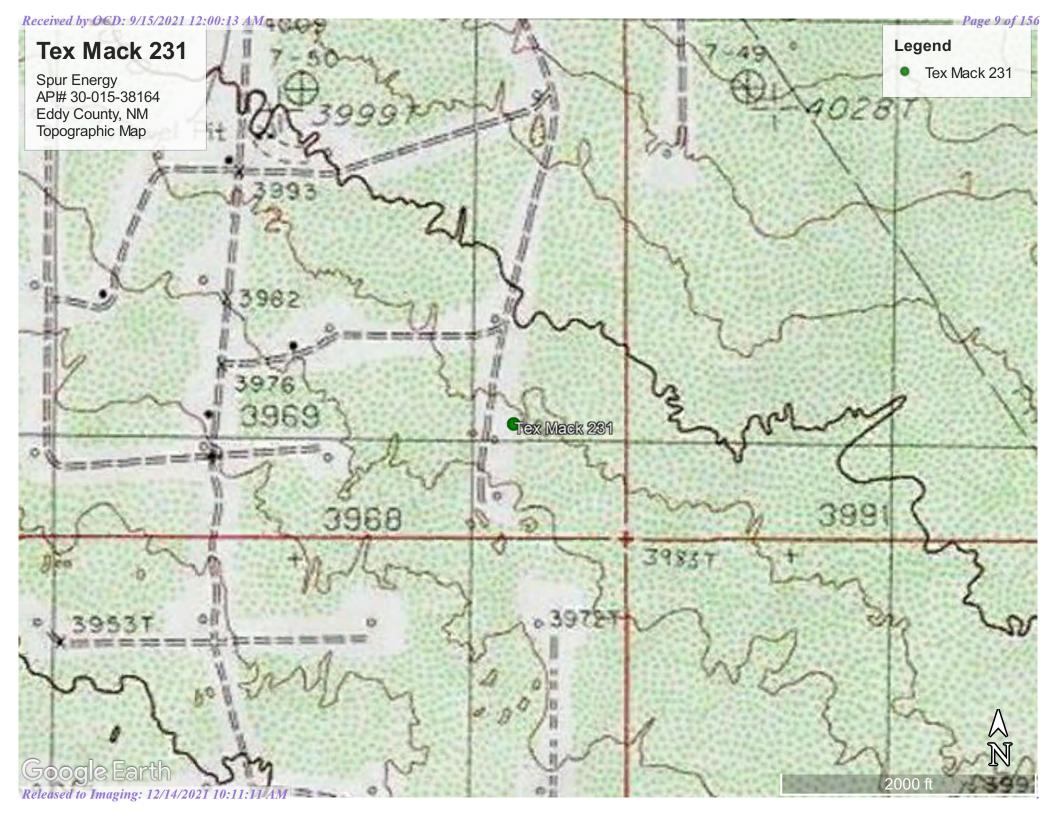
Appendix E - Laboratory Reports

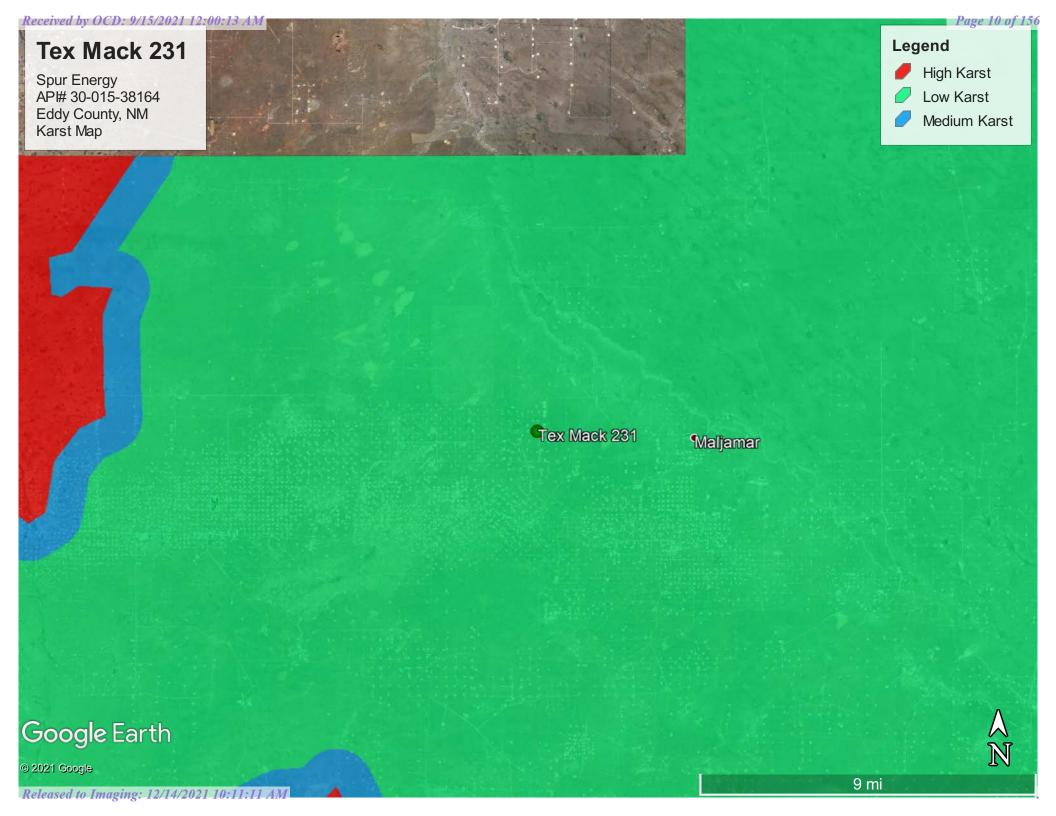


Figures:

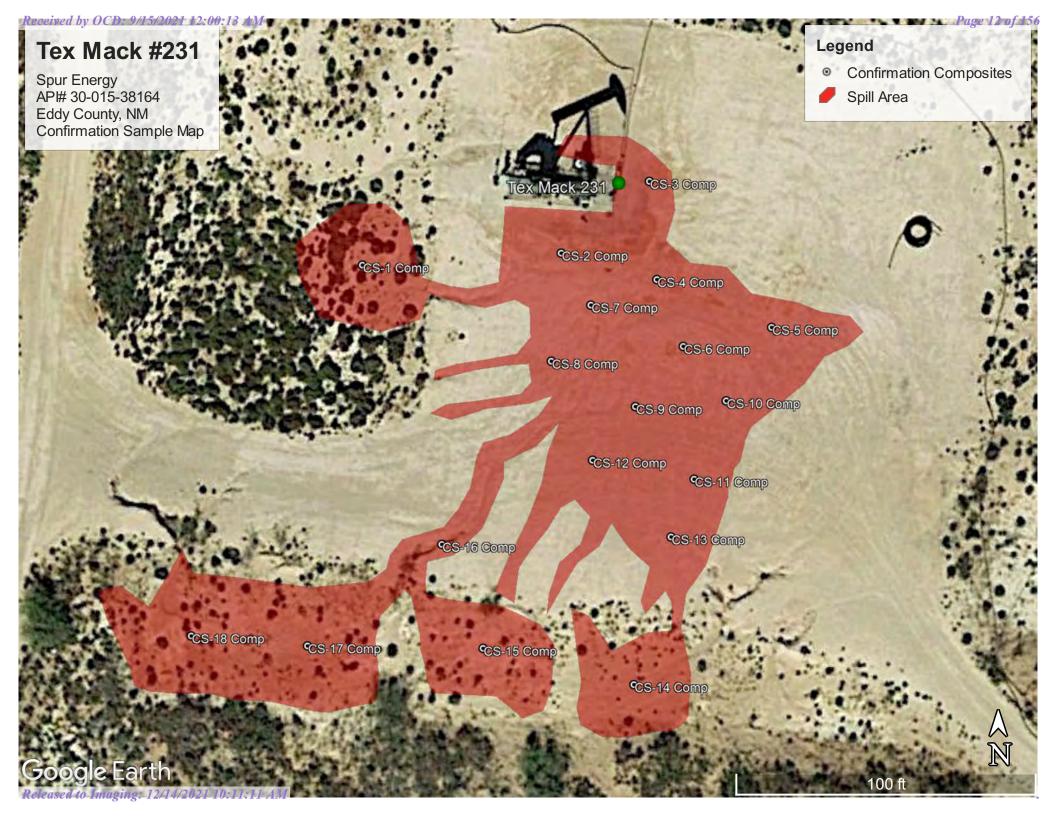
- 1 Location Map
- 2 Topo Map
- 3 Karst Map
- 4 Site Map
- 5 Confirmation Site Map
- 6- Horizontal Delineation Map

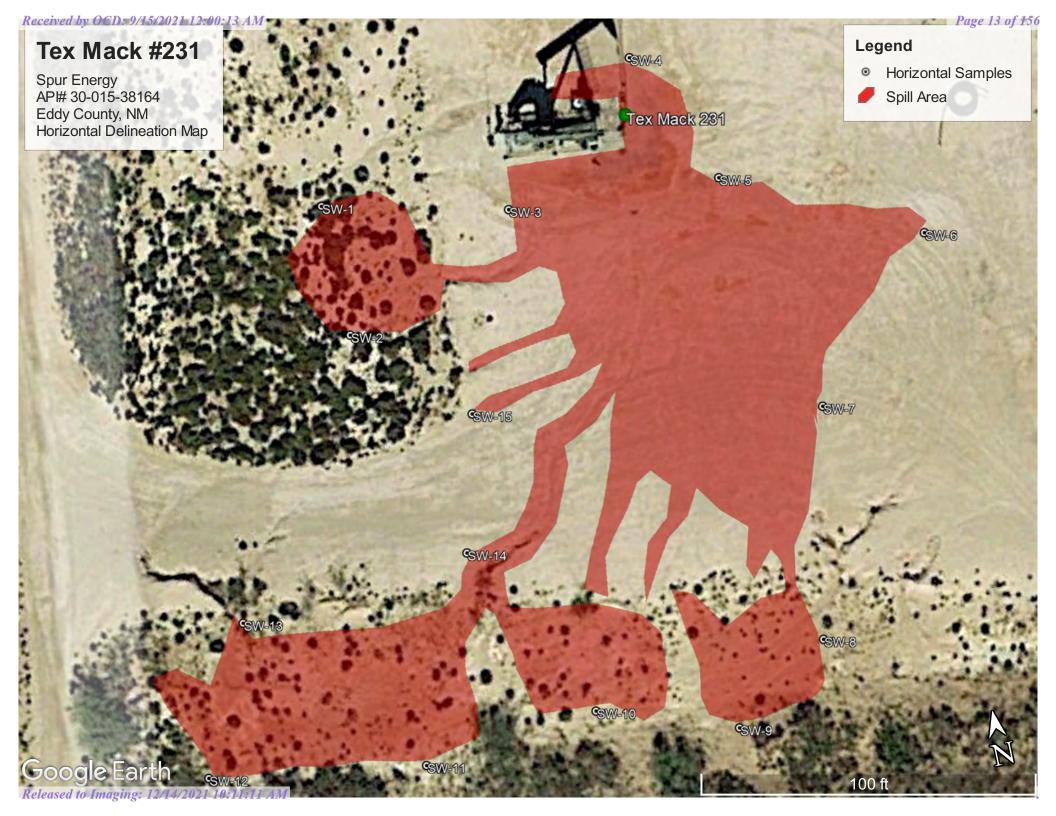














Appendix A

Water Surveys:

OSE

USGS

Surface Water Map



New Mexico Office of the State Engineer

Water Column/Average Depth to Water

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

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

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

(In feet)

		POD													
		Sub-		Q	Q	Q								V	Vater
POD Number	Code	basin	County	64	16	4	Sec	Tws	Rng	X	Y	DistanceDep	othWellDep	thWater Co	lumn
L 14207 POD3		L	LE	2	3	3	31	16S	37E	606117	3636977 🌍	3019	240	96	144
<u>L 10206</u>		L	LE		2	2	23	16S	31E	609045	3642204*	5966	280		
<u>L 10203</u>		L	LE	4	4	3	14	16S	31E	608334	3642495*	6297	310		
L 03852 POD4		L	LE	3	4	3	13	16S	31E	609744	3642516*	6317	333	299	34
L 03852 X	R	L	LE	4	4	4	13	16S	31E	610749	3642526*	6515	333	299	34

Average Depth to Water:

231 feet

Minimum Depth: Maximum Depth: 96 feet 299 feet

Record Count: 5

UTMNAD83 Radius Search (in meters):

Easting (X): 609044.31 Northing (Y): 3636237.49 Radius: 7000

*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.

8/3/21 10:01 AM

WATER COLUMN/ AVERAGE DEPTH TO

WATER



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National Water Information System: Web Interface

USGS Water Resources

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

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Groundwater levels for the Nation

* IMPORTANT: <u>Next Generation Station Page</u>

Search Results -- 1 sites found

site_no list =

325312103481901

Minimum number of levels = 1

Save file of selected sites to local disk for future upload

USGS 325312103481901 16S.32E.30.34143

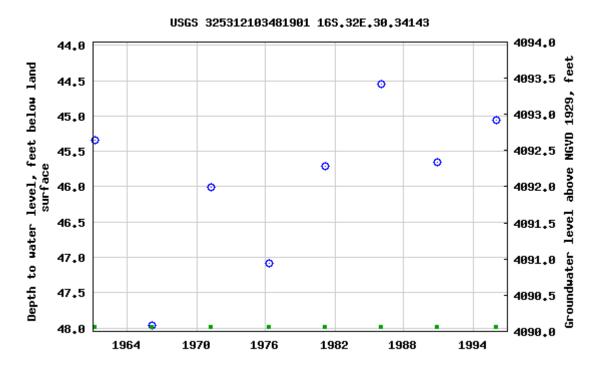
Available data for this site	Groundwater: F	ield measurements	∨ GO	
Lea County, New Mexico				
Hydrologic Unit Code 1306	0011			
Latitude 32°53'14", Longi	tude 103°48'	32" NAD27		
Land-surface elevation 4,1	38.00 feet al	oove NGVD29		
The depth of the well is 10	1 feet below	land surface.		
This well is completed in th	ne High Plain:	s aquifer (N100H	HGHPLN) nati	on

al aquifer.

This well is completed in the Ogallala Formation (1210GLL) local aquifer.

Output formats

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



- Period of approved data

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

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Title: Groundwater for USA: Water Levels

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

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

Page Last Modified: 2021-08-03 12:03:18 EDT

0.6 0.54 nadww01





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USGS Water Resources

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

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* IMPORTANT: Next Generation Station Page

Search Results -- 1 sites found

site_no list =

• 325211103462901

Minimum number of levels = 1

Save file of selected sites to local disk for future upload

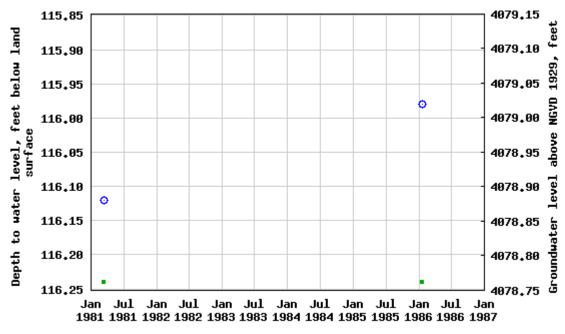
USGS 325211103462901 16S.32E.33.332112

Available data for this site	Groundwater:	Field measurements	→ GO	
Lea County, New Mexico				
Hydrologic Unit Code 1306	50011			
Latitude 32°52'27", Longi	tude 103°4	6'38" NAD27		
Land-surface elevation 4,1	.95.00 feet	above NGVD29		
This well is completed in t	he High Plai	ins aquifer (N100	HGHPLN)	national aquifer.

This well is completed in the Ogallala Formation (1210GLL) local aquifer.

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





- Period of approved data

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

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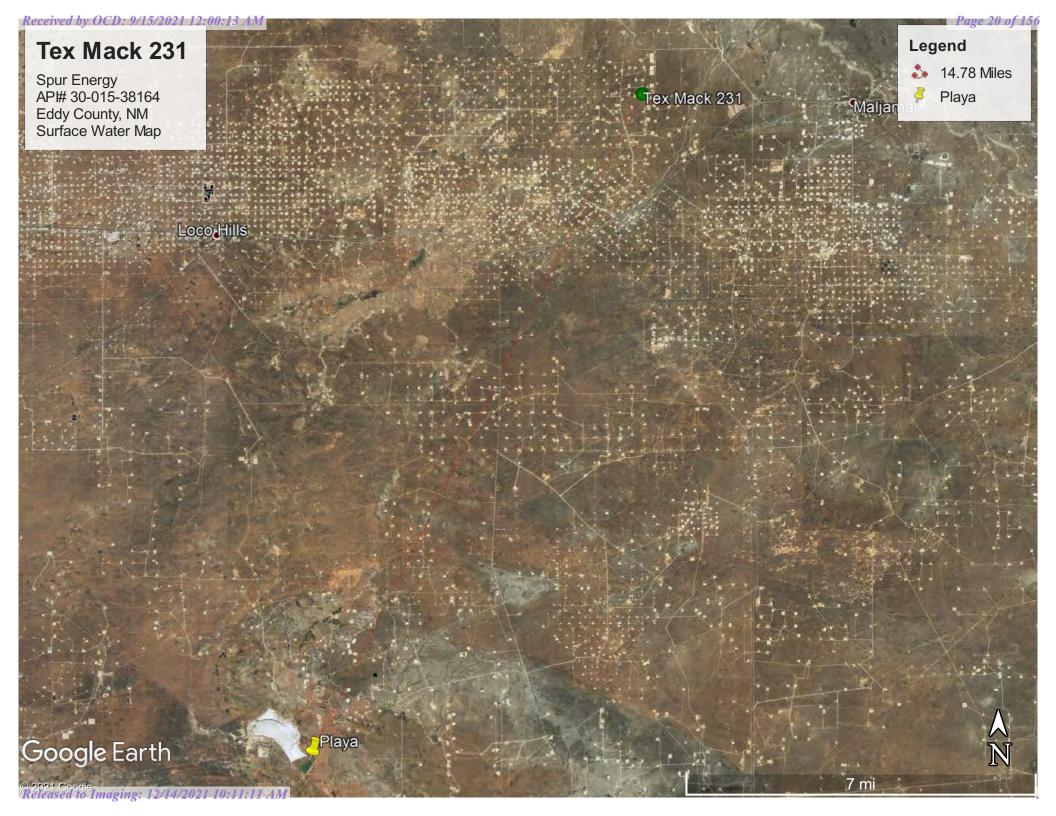
URL: https://nwis.waterdata.usgs.gov/nwis/gwlevels?

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

Page Last Modified: 2021-08-03 12:03:49 EDT

0.56 0.49 nadww01







Appendix B

Soil Survey & Geological Data FEMA Flood Map

Eddy Area, New Mexico

KM—Kermit-Berino fine sands, 0 to 3 percent slopes

Map Unit Setting

National map unit symbol: 1w4q Elevation: 3,100 to 4,200 feet

Mean annual precipitation: 10 to 14 inches
Mean annual air temperature: 60 to 64 degrees F

Frost-free period: 190 to 230 days

Farmland classification: Not prime farmland

Map Unit Composition

Kermit and similar soils: 50 percent Berino and similar soils: 35 percent Minor components: 15 percent

Estimates are based on observations, descriptions, and transects of

the mapunit.

Description of Kermit

Setting

Landform: Alluvial fans, plains

Landform position (three-dimensional): Rise, talf

Down-slope shape: Linear, convex

Across-slope shape: Linear

Parent material: Mixed alluvium and/or eolian sands

Typical profile

H1 - 0 to 7 inches: fine sand H2 - 7 to 60 inches: fine sand

Properties and qualities

Slope: 0 to 3 percent

Depth to restrictive feature: More than 80 inches

Drainage class: Excessively drained

Runoff class: Negligible

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

high (20.00 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 capacity: Low (about 3.1 inches)

Interpretive groups

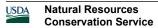
Land capability classification (irrigated): None specified

Land capability classification (nonirrigated): 7e

Hydrologic Soil Group: A

Ecological site: R042XC005NM - Deep Sand

Hydric soil rating: No



Description of Berino

Setting

Landform: Fan piedmonts, plains

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: fine sand

H2 - 17 to 50 inches: fine sandy loam H3 - 50 to 58 inches: loamy sand

Properties and qualities

Slope: 0 to 3 percent

Depth to restrictive feature: More than 80 inches

Drainage class: Well drained

Runoff class: Low

Capacity of the most limiting layer to transmit water (Ksat): Moderately high to high (0.60 to 2.00 in/hr)

Depth to water table: More than 80 inches

Frequency of flooding: None Frequency of ponding: None

Calcium carbonate, maximum 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 capacity: Moderate (about 7.2 inches)

Interpretive groups

Land capability classification (irrigated): 4e Land capability classification (nonirrigated): 7e

Hydrologic Soil Group: B

Ecological site: R042XC003NM - Loamy Sand

Hydric soil rating: No

Minor Components

Active dune land

Percent of map unit: 15 percent

Hydric soil rating: No

Data Source Information

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

Received by OCD: 9/15/2021 12:00:13 AM National Flood Hazard Layer FIRMette





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

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

> 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

0.2% Annual Chance Flood Hazard, Areas

Area with Reduced Flood Risk due to

OTHER AREAS OF FLOOD HAZARD

MAP PANELS

Levee. See Notes. Zone X Area with Flood Risk due to Levee Zone D

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

- - - Channel, Culvert, or Storm Sewer **GENERAL** STRUCTURES | LILLI Levee, Dike, or Floodwall

> 20.2 Cross Sections with 1% Annual Chance 17.5 Water Surface Elevation

Base Flood Elevation Line (BFE) Limit of Study Jurisdiction Boundary

Coastal Transect

Coastal Transect Baseline OTHER **Profile Baseline FEATURES** Hydrographic Feature

> 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 8/3/2021 at 12:27 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.



2.000

1:6,000



Appendix C

C-141's:

Initial

Final

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

Responsible Party

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

OGRID

Contact Nam	ie				Contact Te	elephone	
Contact email			Incident #	(assigned by OCD)			
Contact mail:	ing address				I		
			Location	of R	Release So	ource	
Latitude			(NAD 83 in de	cimal de	Longitude _ egrees to 5 decim	nal places)	
Site Name					Site Type		
Date Release	Discovered				API# (if app	licable)	
Unit Letter	Section	Township	Range		Coun	ıty]
Crude Oil	Material	Federal Tr (s) Released (Select al Volume Release	Nature and	d Vo	lume of I		volumes provided below) vered (bbls)
Produced	Water	Volume Release	d (bbls)			Volume Reco	vered (bbls)
	Is the concentration of dissolved chloride in produced water >10,000 mg/l?		e in the	Yes N	О		
Condensa	te	Volume Release				Volume Reco	vered (bbls)
Natural G	ural Gas Volume Released (Mcf)			Volume Reco	vered (Mcf)		
Other (describe) Volume/Weight Released (provide units))	Volume/Weig	tht Recovered (provide units)			
Cause of Rele	ease						

Received by OCD: 9/15/2021 12:00:13 AM State of New Mexico Oil Conservation Division Page 2

	Page 27eo	<i>F 1</i> 5 6

Incident ID		
District RP		
Facility ID		
Application ID		

Was this a major	If YES, for what reason(s) does the respon	nsible party consider this a major release?
release as defined by 19.15.29.7(A) NMAC?		
19.13.29.7(A) NMAC:		
☐ Yes ☐ No		
If YES, was immediate no	otice given to the OCD? By whom? To wh	om? When and by what means (phone, email, etc)?
	T '' ID	
	Initial R	esponse
The responsible p	party must undertake the following actions immediatel	y unless they could create a safety hazard that would result in injury
	ease has been stopped.	
	s been secured to protect human health and	
Released materials ha	ave been contained via the use of berms or c	ikes, absorbent pads, or other containment devices.
All free liquids and re	ecoverable materials have been removed an	d managed appropriately.
If all the actions described	d above have <u>not</u> been undertaken, explain	vhy:
Per 19.15.29.8 B. (4) NM	AC the responsible party may commence r	emediation 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 containmen	nt area (see 19.15.29.11(A)(5)(a) NMAC), p	lease attach all information needed for closure evaluation.
		pest of my knowledge and understand that pursuant to OCD rules and
		fications and perform corrective actions for releases which may endanger ICD does not relieve the operator of liability should their operations have
failed to adequately investig	ate and remediate contamination that pose a thre	at to groundwater, surface water, human health or the environment. In
addition, OCD acceptance of and/or regulations.	f a C-141 report does not relieve the operator of	responsibility for compliance with any other federal, state, or local laws
_		
Printed Name:		Title:
Signature:	Sont Med	Date:
		Telephone:
Cinaii.		Telephone.
OCD Only		
Received by: Ramona N	Marcus	Date: 5/14/2021
Received by.	Marcus	Date:

	Page 28 of 1.	56
Incident ID	NAPP2113124547	
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?	45 (ft bgs)		
Did this release impact groundwater or surface water?	☐ Yes ✓ No		
Are the lateral extents of the release within 300 feet of a continuously flowing watercourse or any other significant watercourse?	☐ Yes ☑ No		
Are the lateral extents of the release within 200 feet of any lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark)?	☐ Yes ☑ No		
Are the lateral extents of the release within 300 feet of an occupied permanent residence, school, hospital, institution, or church?	☐ Yes ✓ No		
Are the lateral extents of the release within 500 horizontal feet of a spring or a private domestic fresh water well used by less than five households for domestic or stock watering purposes?	☐ Yes ☑ No		
Are the lateral extents of the release within 1000 feet of any other fresh water well or spring?	☐ Yes ✓ No		
Are the lateral extents of the release within incorporated municipal boundaries or within a defined municipal fresh water well field?	☐ Yes ☑ No		
Are the lateral extents of the release within 300 feet of a wetland?	☐ Yes ✓ No		
Are the lateral extents of the release overlying a subsurface mine?	☐ Yes ✓ No		
Are the lateral extents of the release overlying an unstable area such as karst geology?	☐ Yes ✓ No		
Are the lateral extents of the release within a 100-year floodplain?	☐ Yes ✓ No		
Did the release impact areas not on an exploration, development, production, or storage site?	☐ Yes ✓ No		
Attach a comprehensive report (electronic submittals in .pdf format are preferred) demonstrating the lateral and vertical extents of soil contamination associated with the release have been determined. Refer to 19.15.29.11 NMAC for specifics.			
Characterization Report Checklist: Each of the following items must be included in the report.			
 ✓ Scaled site map showing impacted area, surface features, subsurface features, delineation points, and monitoring wells. ✓ Field data ✓ 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			
E Determination of water bourees and significant watercoardes within /2 inne of the facility of the follows			

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.

✓ Photographs including date and GIS information

✓ Laboratory data including chain of custody

✓ Boring or excavation logs

Topographic/Aerial maps

Received by OCD: 9/15/2021 12:00:13 AM Form C-141 State of New Mexico Page 4 Oil Conservation Division

	Page 29 of 1	56
Incident ID	NAPP2113124547	
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: Dakota Neel	Title: HSE Coordinator		
Printed Name: Dakota Neel Signature:	Date: 8/5/2021		
email: dneel@spurepllc.com	Telephone: 832-849-7837		
OCD Only			
Received by:	Date:		

Page 30 of 156

	1 18000 0 1
Incident ID	NAPP2113124547
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: Dakota Neel Title: HSE Coordinator Date: 8/5/2021		
email: dneel@spurepllc.com	Telephone: 832-849-7837	
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:	



Appendix D

Photographic Documentation











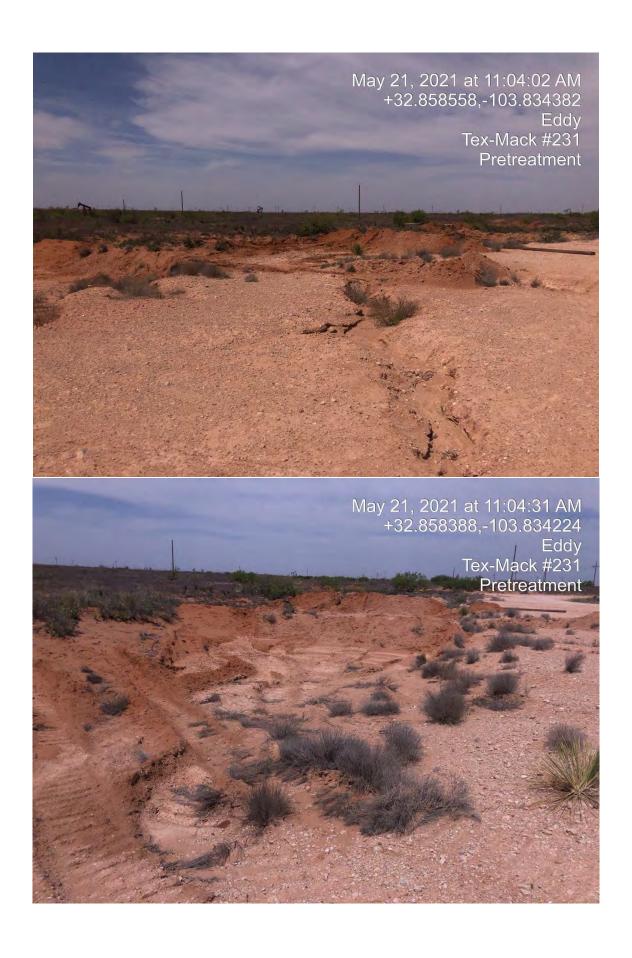






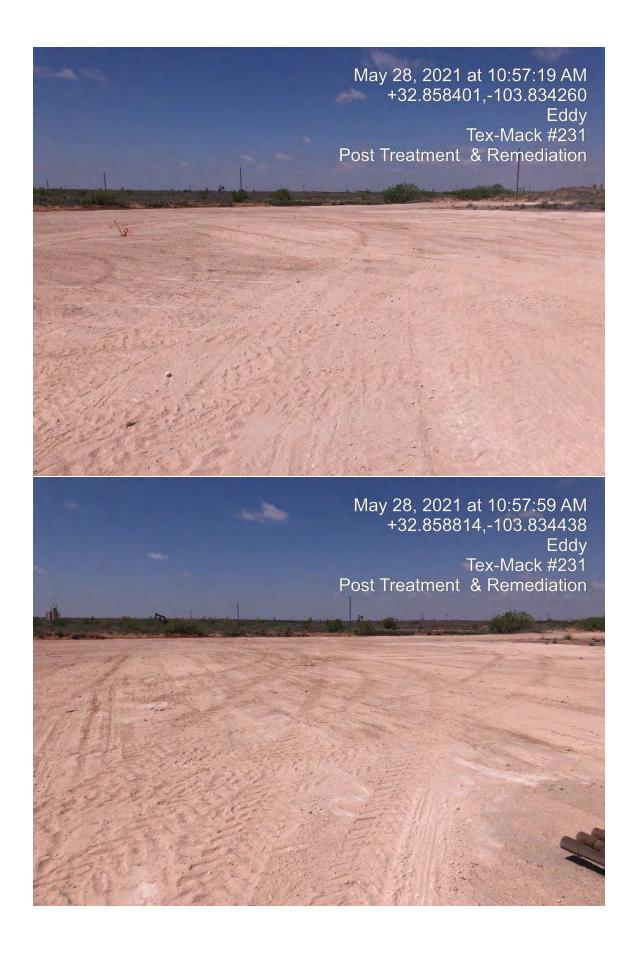






























Appendix E

Laboratory Reports



May 18, 2021

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

RE: TEX MACK 231

Enclosed are the results of analyses for samples received by the laboratory on 05/10/21 17:10.

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

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

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

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

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

Method EPA 552.2 Total Haloacetic Acids (HAA-5)

Celey D. Keene

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

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

Sincerely,

Celey D. Keene

Lab Director/Quality Manager



Analytical Results For:

PIMA ENVIROMENTAL 1601 N TURNER STE. 500 HOBBS NM, 88240 Project: TEX MACK 231
Project Number: NONE GIVEN
Project Manager: CHRIS JONES

Reported: 18-May-21 10:22

Fax To:

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
S 1 - 0-6"	H211201-01	Soil	10-May-21 00:00	10-May-21 17:10
S1 - 1'	H211201-02	Soil	10-May-21 00:00	10-May-21 17:10
S 1 - 2'	H211201-03	Soil	10-May-21 00:00	10-May-21 17:10
S 2 - 0-6"	H211201-05	Soil	10-May-21 00:00	10-May-21 17:10
S 2 - 1'	H211201-06	Soil	10-May-21 00:00	10-May-21 17:10
S 2 - 2'	H211201-07	Soil	10-May-21 00:00	10-May-21 17:10
S 2 - 3'	H211201-08	Soil	10-May-21 00:00	10-May-21 17:10
S 3 - 0-6"	H211201-09	Soil	10-May-21 00:00	10-May-21 17:10
S 3 - 1'	H211201-10	Soil	10-May-21 00:00	10-May-21 17:10
S 4 - 0-6"	H211201-13	Soil	10-May-21 00:00	10-May-21 17:10
S 4 - 1'	H211201-14	Soil	10-May-21 00:00	10-May-21 17:10
S 5 - 0-6"	H211201-17	Soil	10-May-21 00:00	10-May-21 17:10
S 6 - 0-6"	H211201-21	Soil	10-May-21 00:00	10-May-21 17:10
S 6 - 1'	H211201-22	Soil	10-May-21 00:00	10-May-21 17:10
S 6 - 2'	H211201-23	Soil	10-May-21 00:00	10-May-21 17:10
S 6 - 3'	H211201-24	Soil	10-May-21 00:00	10-May-21 17:10
S 7 - 0-6"	H211201-25	Soil	10-May-21 00:00	10-May-21 17:10
S7 - 1'	H211201-26	Soil	10-May-21 00:00	10-May-21 17:10
S7 - 2'	H211201-27	Soil	10-May-21 00:00	10-May-21 17:10
S 7 - 3'	H211201-28	Soil	10-May-21 00:00	10-May-21 17:10
S8 - 0-6"	H211201-29	Soil	10-May-21 00:00	10-May-21 17:10
S8 - 1'	H211201-30	Soil	10-May-21 00:00	10-May-21 17:10
S 8 - 2'	H211201-31	Soil	10-May-21 00:00	10-May-21 17:10
S 8 - 3'	H211201-32	Soil	10-May-21 00:00	10-May-21 17:10
BG 1	H211201-33	Soil	10-May-21 00:00	10-May-21 17:10

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Celey D. Keine

Celey D. Keene, Lab Director/Quality Manager



Analytical Results For:

PIMA ENVIROMENTAL 1601 N TURNER STE. 500 HOBBS NM, 88240 Project: TEX MACK 231
Project Number: NONE GIVEN
Project Manager: CHRIS JONES

Reported: 18-May-21 10:22

Fax To:

05/17/21 - Client added Chloride and TPH to several samples on 05/14/21. This is the revised report and will replace the one sent on 05/13/21.

05/18/21 - Client added Chlorides on 05/17/21. This is the 2nd revision and will replace the 1st revision sent on 05/17/21.

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Celeg D. Keene



Analytical Results For:

PIMA ENVIROMENTAL 1601 N TURNER STE. 500 HOBBS NM, 88240 Project: TEX MACK 231
Project Number: NONE GIVEN
Project Manager: CHRIS JONES

Reported: 18-May-21 10:22

Fax To:

S 1 - 0-6" H211201-01 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
			Cardina	al Laborat	ories					
Inorganic Compounds										
Chloride	1580		16.0	mg/kg	4	1051215	GM	12-May-21	4500-Cl-B	
Volatile Organic Compounds l	oy EPA Method	8021								
Benzene*	< 0.050		0.050	mg/kg	50	1051104	MS	11-May-21	8021B	
Toluene*	< 0.050		0.050	mg/kg	50	1051104	MS	11-May-21	8021B	
Ethylbenzene*	< 0.050		0.050	mg/kg	50	1051104	MS	11-May-21	8021B	
Total Xylenes*	< 0.150		0.150	mg/kg	50	1051104	MS	11-May-21	8021B	
Total BTEX	< 0.300		0.300	mg/kg	50	1051104	MS	11-May-21	8021B	
Surrogate: 4-Bromofluorobenzene (PID))		93.6 %	69.9	-140	1051104	MS	11-May-21	8021B	
Petroleum Hydrocarbons by G	GC FID									
GRO C6-C10*	<10.0		10.0	mg/kg	1	1051208	MS	12-May-21	8015B	
DRO >C10-C28*	178		10.0	mg/kg	1	1051208	MS	12-May-21	8015B	
EXT DRO >C28-C36	47.5		10.0	mg/kg	1	1051208	MS	12-May-21	8015B	
Surrogate: 1-Chlorooctane			88.7 %	44.3	-133	1051208	MS	12-May-21	8015B	
Surrogate: 1-Chlorooctadecane			97.8 %	38.9	-142	1051208	MS	12-May-21	8015B	

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Celey D. Keine



Analytical Results For:

PIMA ENVIROMENTAL 1601 N TURNER STE. 500 HOBBS NM, 88240 Project: TEX MACK 231
Project Number: NONE GIVEN
Project Manager: CHRIS JONES

Reported: 18-May-21 10:22

Fax To:

S 1 - 1' H211201-02 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes			
			Cardina	l Laborat	tories								
Inorganic Compounds													
Chloride	768		16.0	mg/kg	4	1051215	GM	12-May-21	4500-Cl-B				
Petroleum Hydrocarbons by													
GRO C6-C10*	<10.0		10.0	mg/kg	1	1051410	MS	14-May-21	8015B				
DRO >C10-C28*	<10.0		10.0	mg/kg	1	1051410	MS	14-May-21	8015B				
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	1051410	MS	14-May-21	8015B				
Surrogate: 1-Chlorooctane			117 %	44.3	-133	1051410	MS	14-May-21	8015B				
Surrogate: 1-Chlorooctadecane			120 %	38.9	-142	1051410	MS	14-May-21	8015B				

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Celey D. Keine



Analytical Results For:

PIMA ENVIROMENTAL 1601 N TURNER STE. 500 HOBBS NM, 88240 Project: TEX MACK 231
Project Number: NONE GIVEN
Project Manager: CHRIS JONES

Reported: 18-May-21 10:22

Fax To:

S 1 - 2' H211201-03 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
			Cardina	ıl Laborat	ories					
Inorganic Compounds										
Chloride	432		16.0	mg/kg	4	1051215	GM	12-May-21	4500-Cl-B	

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Celey D. Keine



Analytical Results For:

PIMA ENVIROMENTAL 1601 N TURNER STE. 500 HOBBS NM, 88240 Project: TEX MACK 231
Project Number: NONE GIVEN
Project Manager: CHRIS JONES

Reported: 18-May-21 10:22

Fax To:

S 2 - 0-6" H211201-05 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
			Cardina	l Laborat	ories					
Inorganic Compounds										
Chloride	1300		16.0	mg/kg	4	1051215	GM	12-May-21	4500-Cl-B	
Volatile Organic Compounds b	y EPA Method	8021								
Benzene*	< 0.050		0.050	mg/kg	50	1051104	MS	11-May-21	8021B	
Toluene*	< 0.050		0.050	mg/kg	50	1051104	MS	11-May-21	8021B	
Ethylbenzene*	< 0.050		0.050	mg/kg	50	1051104	MS	11-May-21	8021B	
Total Xylenes*	< 0.150		0.150	mg/kg	50	1051104	MS	11-May-21	8021B	
Total BTEX	< 0.300		0.300	mg/kg	50	1051104	MS	11-May-21	8021B	
Surrogate: 4-Bromofluorobenzene (PID)	1		94.8 %	69.9	-140	1051104	MS	11-May-21	8021B	
Petroleum Hydrocarbons by G	C FID									
GRO C6-C10*	<10.0		10.0	mg/kg	1	1051208	MS	12-May-21	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	1051208	MS	12-May-21	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	1051208	MS	12-May-21	8015B	
Surrogate: 1-Chlorooctane			87.1 %	44.3	-133	1051208	MS	12-May-21	8015B	
Surrogate: 1-Chlorooctadecane			85.5 %	38.9	-142	1051208	MS	12-May-21	8015B	

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Celeg D. Keene



Analytical Results For:

PIMA ENVIROMENTAL 1601 N TURNER STE. 500 HOBBS NM, 88240 Project: TEX MACK 231
Project Number: NONE GIVEN
Project Manager: CHRIS JONES

Reported: 18-May-21 10:22

Fax To:

S 2 - 1' H211201-06 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes			
	Cardinal Laboratories												
Inorganic Compounds													
Chloride	1360		16.0	mg/kg	4	1051215	GM	12-May-21	4500-Cl-B				

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Analytical Results For:

PIMA ENVIROMENTAL 1601 N TURNER STE. 500 HOBBS NM, 88240 Project: TEX MACK 231
Project Number: NONE GIVEN
Project Manager: CHRIS JONES

Reported: 18-May-21 10:22

Fax To:

S 2 - 2' H211201-07 (Soil)

Analyte	Result	porting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
		Cardinal l	Laborato	ories					
Inorganic Compounds									
Chloride	240	16.0	mg/kg	4	1051215	GM	12-May-21	4500-Cl-B	

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Analytical Results For:

PIMA ENVIROMENTAL 1601 N TURNER STE. 500 HOBBS NM, 88240 Project: TEX MACK 231
Project Number: NONE GIVEN
Project Manager: CHRIS JONES

Reported: 18-May-21 10:22

Fax To:

S 2 - 3' H211201-08 (Soil)

	Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
				Cardina	ıl Laborat	ories					
]	Inorganic Compounds										
(Chloride	48.0		16.0	mg/kg	4	1051217	GM	12-May-21	4500-Cl-B	

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Analytical Results For:

PIMA ENVIROMENTAL 1601 N TURNER STE. 500 HOBBS NM, 88240 Project: TEX MACK 231
Project Number: NONE GIVEN
Project Manager: CHRIS JONES

Reported: 18-May-21 10:22

Fax To:

S 3 - 0-6" H211201-09 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
			Cardina	l Laborat	ories					
Inorganic Compounds										
Chloride	1980		16.0	mg/kg	4	1051217	GM	12-May-21	4500-Cl-B	
Volatile Organic Compounds l	y EPA Method	8021								
Benzene*	< 0.050		0.050	mg/kg	50	1051103	ms	12-May-21	8021B	
Toluene*	< 0.050		0.050	mg/kg	50	1051103	ms	12-May-21	8021B	
Ethylbenzene*	< 0.050		0.050	mg/kg	50	1051103	ms	12-May-21	8021B	
Total Xylenes*	< 0.150		0.150	mg/kg	50	1051103	ms	12-May-21	8021B	
Total BTEX	< 0.300		0.300	mg/kg	50	1051103	ms	12-May-21	8021B	
Surrogate: 4-Bromofluorobenzene (PID)			111 %	69.9	-140	1051103	ms	12-May-21	8021B	
Petroleum Hydrocarbons by G	C FID									
GRO C6-C10*	<10.0		10.0	mg/kg	1	1051208	MS	12-May-21	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	1051208	MS	12-May-21	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	1051208	MS	12-May-21	8015B	
Surrogate: 1-Chlorooctane			87.8 %	44.3	-133	1051208	MS	12-May-21	8015B	
Surrogate: 1-Chlorooctadecane			87.2 %	38.9	-142	1051208	MS	12-May-21	8015B	

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Celey D. Keene

Celey D. Keene, Lab Director/Quality Manager



Analytical Results For:

PIMA ENVIROMENTAL 1601 N TURNER STE. 500 HOBBS NM, 88240 Project: TEX MACK 231
Project Number: NONE GIVEN
Project Manager: CHRIS JONES

Reported: 18-May-21 10:22

Fax To:

S 3 - 1' H211201-10 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes	
			Cardina	al Laborat	ories						
Inorganic Compounds											
Chloride	591		16.0	mg/kg	4	1051217	GM	12-May-21	4500-Cl-B		

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Celey D. Keene



Analytical Results For:

PIMA ENVIROMENTAL 1601 N TURNER STE. 500 HOBBS NM, 88240 Project: TEX MACK 231
Project Number: NONE GIVEN
Project Manager: CHRIS JONES

Reported: 18-May-21 10:22

Fax To:

S 4 - 0-6" H211201-13 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes			
			Cardina	l Laborat	ories								
Inorganic Compounds													
Chloride	1220		16.0	mg/kg	4	1051217	GM	12-May-21	4500-Cl-B				
Volatile Organic Compounds by EPA Method 8021													
Benzene*	< 0.050		0.050	mg/kg	50	1051103	ms	12-May-21	8021B				
Toluene*	< 0.050		0.050	mg/kg	50	1051103	ms	12-May-21	8021B				
Ethylbenzene*	< 0.050		0.050	mg/kg	50	1051103	ms	12-May-21	8021B				
Total Xylenes*	< 0.150		0.150	mg/kg	50	1051103	ms	12-May-21	8021B				
Total BTEX	< 0.300		0.300	mg/kg	50	1051103	ms	12-May-21	8021B				
Surrogate: 4-Bromofluorobenzene (PI	D)		109 %	69.9	-140	1051103	ms	12-May-21	8021B				
Petroleum Hydrocarbons by	GC FID												
GRO C6-C10*	<10.0		10.0	mg/kg	1	1051208	MS	12-May-21	8015B				
DRO >C10-C28*	<10.0		10.0	mg/kg	1	1051208	MS	12-May-21	8015B				
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	1051208	MS	12-May-21	8015B				
Surrogate: 1-Chlorooctane			91.0 %	44.3	-133	1051208	MS	12-May-21	8015B				
Surrogate: 1-Chlorooctadecane			90.7 %	38.9	-142	1051208	MS	12-May-21	8015B				

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Celey D. Keene

Celey D. Keene, Lab Director/Quality Manager



Analytical Results For:

PIMA ENVIROMENTAL 1601 N TURNER STE. 500 HOBBS NM, 88240 Project: TEX MACK 231
Project Number: NONE GIVEN
Project Manager: CHRIS JONES

Reported: 18-May-21 10:22

Fax To:

S 4 - 1' H211201-14 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
			Cardina	ıl Laborat	ories					
Inorganic Compounds										
Chloride	112		16.0	mg/kg	4	1051217	GM	12-May-21	4500-Cl-B	

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Celey D. Keens



Analytical Results For:

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

Project: TEX MACK 231 Project Number: NONE GIVEN

Project Manager: CHRIS JONES

Fax To:

Reported: 18-May-21 10:22

S 5 - 0-6" H211201-17 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
			Cardina	ıl Labora	tories					
Inorganic Compounds										
Chloride	32.0		16.0	mg/kg	4	1051217	GM	12-May-21	4500-Cl-B	
Volatile Organic Compounds	s by EPA Method	8021								
Benzene*	< 0.050		0.050	mg/kg	50	1051103	ms	12-May-21	8021B	
Toluene*	< 0.050		0.050	mg/kg	50	1051103	ms	12-May-21	8021B	
Ethylbenzene*	< 0.050		0.050	mg/kg	50	1051103	ms	12-May-21	8021B	
Total Xylenes*	< 0.150		0.150	mg/kg	50	1051103	ms	12-May-21	8021B	
Total BTEX	< 0.300		0.300	mg/kg	50	1051103	ms	12-May-21	8021B	
Surrogate: 4-Bromofluorobenzene (Pl	D)		112 %	69.9	-140	1051103	ms	12-May-21	8021B	
Petroleum Hydrocarbons by	GC FID									
GRO C6-C10*	<10.0		10.0	mg/kg	1	1051208	MS	12-May-21	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	1051208	MS	12-May-21	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	1051208	MS	12-May-21	8015B	
Surrogate: 1-Chlorooctane			98.9 %	44.3	-133	1051208	MS	12-May-21	8015B	
Surrogate: 1-Chlorooctadecane			97.3 %	38.9	-142	1051208	MS	12-May-21	8015B	

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Reported:

18-May-21 10:22



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

Analytical Results For:

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

Project: TEX MACK 231 Project Number: NONE GIVEN Project Manager: CHRIS JONES

Fax To:

S 6 - 0-6" H211201-21 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
			Cardina	ıl Laborat	ories					
Inorganic Compounds										
Chloride	1470		16.0	mg/kg	4	1051217	GM	12-May-21	4500-Cl-B	
Volatile Organic Compounds b	y EPA Method	8021								
Benzene*	< 0.050		0.050	mg/kg	50	1051103	ms	12-May-21	8021B	
Toluene*	< 0.050		0.050	mg/kg	50	1051103	ms	12-May-21	8021B	
Ethylbenzene*	< 0.050		0.050	mg/kg	50	1051103	ms	12-May-21	8021B	
Total Xylenes*	< 0.150		0.150	mg/kg	50	1051103	ms	12-May-21	8021B	
Total BTEX	< 0.300		0.300	mg/kg	50	1051103	ms	12-May-21	8021B	
Surrogate: 4-Bromofluorobenzene (PID)			110 %	69.9	-140	1051103	ms	12-May-21	8021B	
Petroleum Hydrocarbons by G	C FID									
GRO C6-C10*	<10.0		10.0	mg/kg	1	1051208	MS	12-May-21	8015B	
DRO >C10-C28*	12.8		10.0	mg/kg	1	1051208	MS	12-May-21	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	1051208	MS	12-May-21	8015B	
Surrogate: 1-Chlorooctane			94.2 %	44.3	-133	1051208	MS	12-May-21	8015B	
Surrogate: 1-Chlorooctadecane			92.9 %	38.9	-142	1051208	MS	12-May-21	8015B	

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Celey D. Keene

Celey D. Keene, Lab Director/Quality Manager



Analytical Results For:

PIMA ENVIROMENTAL 1601 N TURNER STE. 500 HOBBS NM, 88240 Project: TEX MACK 231
Project Number: NONE GIVEN
Project Manager: CHRIS JONES

Reported: 18-May-21 10:22

Fax To:

S 6 - 1' H211201-22 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
			Cardina	ıl Laborat	ories					
Inorganic Compounds										
Chloride	1150		16.0	mg/kg	4	1051217	GM	12-May-21	4500-Cl-B	

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Analytical Results For:

PIMA ENVIROMENTAL 1601 N TURNER STE. 500 HOBBS NM, 88240 Project: TEX MACK 231
Project Number: NONE GIVEN
Project Manager: CHRIS JONES

Reported: 18-May-21 10:22

Fax To:

S 6 - 2' H211201-23 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes		
Cardinal Laboratories												
Inorganic Compounds												
Chloride	800		16.0	mg/kg	4	1051217	GM	12-May-21	4500-Cl-B			

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Analytical Results For:

PIMA ENVIROMENTAL 1601 N TURNER STE. 500 HOBBS NM, 88240 Project: TEX MACK 231
Project Number: NONE GIVEN
Project Manager: CHRIS JONES

Reported: 18-May-21 10:22

Fax To:

S 6 - 3' H211201-24 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes		
Cardinal Laboratories												
Inorganic Compounds												
Chloride	784		16.0	mg/kg	4	1051217	GM	12-May-21	4500-Cl-B			

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Analytical Results For:

PIMA ENVIROMENTAL 1601 N TURNER STE. 500 HOBBS NM, 88240 Project: TEX MACK 231
Project Number: NONE GIVEN
Project Manager: CHRIS JONES

Reported: 18-May-21 10:22

Fax To:

S 7 - 0-6" H211201-25 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
			Cardin	al Laborat	tories					
Inorganic Compounds										
Chloride	3600		16.0	mg/kg	4	1051217	GM	12-May-21	4500-Cl-B	
Volatile Organic Compound	s by EPA Method	8021								
Benzene*	< 0.050		0.050	mg/kg	50	1051103	ms	12-May-21	8021B	
Toluene*	< 0.050		0.050	mg/kg	50	1051103	ms	12-May-21	8021B	
Ethylbenzene*	< 0.050		0.050	mg/kg	50	1051103	ms	12-May-21	8021B	
Total Xylenes*	< 0.150		0.150	mg/kg	50	1051103	ms	12-May-21	8021B	
Total BTEX	< 0.300		0.300	mg/kg	50	1051103	ms	12-May-21	8021B	
Surrogate: 4-Bromofluorobenzene (Pl	TD)		114 %	69.9	-140	1051103	ms	12-May-21	8021B	
Petroleum Hydrocarbons by	GC FID									
GRO C6-C10*	<10.0		10.0	mg/kg	1	1051208	MS	12-May-21	8015B	
DRO >C10-C28*	140		10.0	mg/kg	1	1051208	MS	12-May-21	8015B	
EXT DRO >C28-C36	23.8		10.0	mg/kg	1	1051208	MS	12-May-21	8015B	
Surrogate: 1-Chlorooctane			102 %	44.3	-133	1051208	MS	12-May-21	8015B	
Surrogate: 1-Chlorooctadecane			108 %	38.9	-142	1051208	MS	12-May-21	8015B	

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Celey D. Keene

Celey D. Keene, Lab Director/Quality Manager



Analytical Results For:

PIMA ENVIROMENTAL 1601 N TURNER STE. 500 HOBBS NM, 88240 Project: TEX MACK 231
Project Number: NONE GIVEN
Project Manager: CHRIS JONES

Reported: 18-May-21 10:22

Fax To:

S 7 - 1' H211201-26 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
			Cardina	l Laborat	tories					
Inorganic Compounds										
Chloride	3080		16.0	mg/kg	4	1051217	GM	12-May-21	4500-Cl-B	
Petroleum Hydrocarbons by	GC FID									
GRO C6-C10*	<10.0		10.0	mg/kg	1	1051410	MS	14-May-21	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	1051410	MS	14-May-21	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	1051410	MS	14-May-21	8015B	
Surrogate: 1-Chlorooctane			110 %	44.3	-133	1051410	MS	14-May-21	8015B	
Surrogate: 1-Chlorooctadecane			113 %	38.9	-142	1051410	MS	14-May-21	8015B	

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Analytical Results For:

PIMA ENVIROMENTAL 1601 N TURNER STE. 500 HOBBS NM, 88240 Project: TEX MACK 231
Project Number: NONE GIVEN
Project Manager: CHRIS JONES

Reported: 18-May-21 10:22

Fax To:

S 7 - 2' H211201-27 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
			Cardina	ıl Laborat	ories					
Inorganic Compounds										
Chloride	3360		16.0	mg/kg	4	1051217	GM	12-May-21	4500-Cl-B	

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Analytical Results For:

PIMA ENVIROMENTAL 1601 N TURNER STE. 500 HOBBS NM, 88240 Project: TEX MACK 231
Project Number: NONE GIVEN
Project Manager: CHRIS JONES

Reported: 18-May-21 10:22

Fax To:

S 7 - 3' H211201-28 (Soil)

Analyte	Result	MDL	Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
			Cardin	al Laborat	tories					
Inorganic Compounds										
Chloride	3200		16.0	mg/kg	4	1051218	GM	12-May-21	4500-Cl-B	QM-07

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Analytical Results For:

PIMA ENVIROMENTAL 1601 N TURNER STE. 500 HOBBS NM, 88240 Project: TEX MACK 231
Project Number: NONE GIVEN
Project Manager: CHRIS JONES

Project Manager: CHRIS JONES

Fax To:

Reported: 18-May-21 10:22

S 8 - 0-6" H211201-29 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
			Cardin	al Laborat	tories					
Inorganic Compounds										
Chloride	6560		16.0	mg/kg	4	1051218	GM	12-May-21	4500-Cl-B	
Volatile Organic Compounds	s by EPA Method	8021								
Benzene*	< 0.050		0.050	mg/kg	50	1051103	ms	12-May-21	8021B	
Toluene*	< 0.050		0.050	mg/kg	50	1051103	ms	12-May-21	8021B	
Ethylbenzene*	< 0.050		0.050	mg/kg	50	1051103	ms	12-May-21	8021B	
Total Xylenes*	< 0.150		0.150	mg/kg	50	1051103	ms	12-May-21	8021B	
Total BTEX	< 0.300		0.300	mg/kg	50	1051103	ms	12-May-21	8021B	
Surrogate: 4-Bromofluorobenzene (Pl	D)		112 %	69.9	-140	1051103	ms	12-May-21	8021B	
Petroleum Hydrocarbons by	GC FID									
GRO C6-C10*	<10.0		10.0	mg/kg	1	1051208	MS	12-May-21	8015B	
DRO >C10-C28*	229		10.0	mg/kg	1	1051208	MS	12-May-21	8015B	
EXT DRO >C28-C36	38.4		10.0	mg/kg	1	1051208	MS	12-May-21	8015B	
Surrogate: 1-Chlorooctane			86.1 %	44.3	-133	1051208	MS	12-May-21	8015B	
Surrogate: 1-Chlorooctadecane			94.0 %	38.9	-142	1051208	MS	12-May-21	8015B	

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Reported:

18-May-21 10:22



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

Analytical Results For:

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

Project: TEX MACK 231 Project Number: NONE GIVEN Project Manager: CHRIS JONES

Fax To:

S8 - 1' H211201-30 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
			Cardina	ıl Laborat	tories					
Inorganic Compounds										
Chloride	1800		16.0	mg/kg	4	1051218	GM	12-May-21	4500-Cl-B	
Petroleum Hydrocarbons by	GC FID									
GRO C6-C10*	<10.0		10.0	mg/kg	1	1051410	MS	14-May-21	8015B	
DRO >C10-C28*	11.4		10.0	mg/kg	1	1051410	MS	14-May-21	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	1051410	MS	14-May-21	8015B	
Surrogate: 1-Chlorooctane			110 %	44.3	-133	1051410	MS	14-May-21	8015B	
Surrogate: 1-Chlorooctadecane			114 %	38.9	-142	1051410	MS	14-May-21	8015B	

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Analytical Results For:

PIMA ENVIROMENTAL 1601 N TURNER STE. 500 HOBBS NM, 88240 Project: TEX MACK 231
Project Number: NONE GIVEN
Project Manager: CHRIS JONES

Reported: 18-May-21 10:22

Fax To:

S 8 - 2' H211201-31 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
			Cardina	ıl Laborat	ories					
Inorganic Compounds										
Chloride	1120		16.0	mg/kg	4	1051218	GM	12-May-21	4500-Cl-B	

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Analytical Results For:

PIMA ENVIROMENTAL 1601 N TURNER STE. 500 HOBBS NM, 88240 Project: TEX MACK 231
Project Number: NONE GIVEN
Project Manager: CHRIS JONES

Reported: 18-May-21 10:22

Fax To:

S 8 - 3' H211201-32 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
			Cardina	al Laborat	ories					
Inorganic Compounds										
Chloride	1170		16.0	mg/kg	4	1051218	GM	12-May-21	4500-Cl-B	

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Analytical Results For:

PIMA ENVIROMENTAL 1601 N TURNER STE. 500 HOBBS NM, 88240 Project: TEX MACK 231
Project Number: NONE GIVEN
Project Manager: CHRIS JONES

Reported: 18-May-21 10:22

Fax To:

BG 1 H211201-33 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
			Cardin	al Laborat	ories					
Inorganic Compounds										
Chloride	32.0		16.0	mg/kg	4	1051218	GM	12-May-21	4500-Cl-B	
Volatile Organic Compounds	by EPA Method	8021								
Benzene*	< 0.050		0.050	mg/kg	50	1051202	MS	12-May-21	8021B	
Toluene*	< 0.050		0.050	mg/kg	50	1051202	MS	12-May-21	8021B	
Ethylbenzene*	< 0.050		0.050	mg/kg	50	1051202	MS	12-May-21	8021B	
Total Xylenes*	< 0.150		0.150	mg/kg	50	1051202	MS	12-May-21	8021B	
Total BTEX	< 0.300		0.300	mg/kg	50	1051202	MS	12-May-21	8021B	
Surrogate: 4-Bromofluorobenzene (PII	D)		93.5 %	69.9	-140	1051202	MS	12-May-21	8021B	
Petroleum Hydrocarbons by	GC FID									
GRO C6-C10*	<10.0		10.0	mg/kg	1	1051208	MS	12-May-21	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	1051208	MS	12-May-21	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	1051208	MS	12-May-21	8015B	
Surrogate: 1-Chlorooctane			92.7 %	44.3	-133	1051208	MS	12-May-21	8015B	
Surrogate: 1-Chlorooctadecane			92.4 %	38.9	-142	1051208	MS	12-May-21	8015B	

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Analytical Results For:

PIMA ENVIROMENTAL 1601 N TURNER STE. 500 HOBBS NM, 88240 Project: TEX MACK 231
Project Number: NONE GIVEN
Project Manager: CHRIS JONES

Reported: 18-May-21 10:22

Fax To:

Inorganic Compounds - Quality Control

Cardinal Laboratories

		Reporting		Spike	Source		%REC		RPD	
Analyte	Result	Limit	Units	Level	Result	%REC	Limits	RPD	Limit	Notes
Batch 1051215 - 1:4 DI Water										
Blank (1051215-BLK1)				Prepared &	k Analyzed:	12-May-21				
Chloride	ND	16.0	mg/kg							
LCS (1051215-BS1)				Prepared &	k Analyzed:	12-May-21				
Chloride	416	16.0	mg/kg	400		104	80-120			
LCS Dup (1051215-BSD1)				Prepared &	k Analyzed:	12-May-21				
Chloride	416	16.0	mg/kg	400		104	80-120	0.00	20	
Batch 1051217 - 1:4 DI Water										
Blank (1051217-BLK1)				Prepared &	k Analyzed:	12-May-21				
Chloride	ND	16.0	mg/kg							
LCS (1051217-BS1)				Prepared &	k Analyzed:	12-May-21				
Chloride	400	16.0	mg/kg	400		100	80-120			
LCS Dup (1051217-BSD1)				Prepared &	દે Analyzed:	12-May-21				
Chloride	416	16.0	mg/kg	400		104	80-120	3.92	20	
Batch 1051218 - 1:4 DI Water										
Blank (1051218-BLK1)				Prepared &	k Analyzed:	12-May-21				
Chloride	ND	16.0	mg/kg							
LCS (1051218-BS1)				Prepared &	દે Analyzed:	12-May-21				
Chloride	400	16.0	mg/kg	400		100	80-120			

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Analytical Results For:

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

Project: TEX MACK 231 Project Number: NONE GIVEN Project Manager: CHRIS JONES

Fax To:

Reported: 18-May-21 10:22

Inorganic Compounds - Quality Control

Cardinal Laboratories

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

Batch 1051218 - 1:4 DI Water

LCS Dup (1051218-BSD1)	Prepared & Analyzed: 12-May-21								
Chloride	400	16.0	mg/kg	400	100	80-120	0.00	20	

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%REC

Analytical Results For:

PIMA ENVIROMENTAL 1601 N TURNER STE. 500 HOBBS NM, 88240 Project: TEX MACK 231
Project Number: NONE GIVEN
Project Manager: CHRIS JONES

Reported: 18-May-21 10:22

RPD

Fax To:

Reporting

Volatile Organic Compounds by EPA Method 8021 - Quality Control

Cardinal Laboratories

Spike

Source

	Reporting		Spike	Source		70KEC		KPD	
Result	Limit	Units	Level	Result	%REC	Limits	RPD	Limit	Notes
			Prepared: 1	11-May-21	Analyzed:	12-May-21			
ND	0.050	mg/kg							
ND	0.050	mg/kg							
ND	0.050	mg/kg							
ND	0.150	mg/kg							
ND	0.300	mg/kg							
0.0547		mg/kg	0.0500		109	69.9-140			
			Prepared: 1	11-May-21	Analyzed:	12-May-21			
2.01	0.050	mg/kg	2.00		100	89.9-120			
2.05	0.050	mg/kg	2.00		103	90.8-117			
2.14	0.050	mg/kg	2.00		107	88.9-116			
4.22	0.100	mg/kg	4.00		106	85.5-118			
2.12	0.050	mg/kg	2.00		106	85.5-118			
6.35	0.150	mg/kg	6.00		106	85.5-118			
0.0522		mg/kg	0.0500		104	69.9-140			
			Prepared: 1	11-May-21	Analyzed:	12-May-21			
2.05	0.050	mg/kg	2.00		103	89.9-120	2.06	10.3	
2.10	0.050	mg/kg	2.00		105	90.8-117	2.08	10.5	
2.18	0.050	mg/kg	2.00		109	88.9-116	1.93	10.8	
4.29	0.100	mg/kg	4.00		107	85.5-118	1.49	10.7	
2.15	0.050	mg/kg	2.00		108	85.5-118	1.42	10.7	
6.44	0.150	mg/kg	6.00		107	85.5-118	1.46	10.7	
0.0518		mg/kg	0.0500		104	69.9-140			
	ND ND ND ND ND 0.0547 2.01 2.05 2.14 4.22 2.12 6.35 0.0522 2.10 2.18 4.29 2.15 6.44	ND 0.050 ND 0.050 ND 0.050 ND 0.050 ND 0.150 ND 0.300 0.0547 2.01 0.050 2.05 0.050 2.14 0.050 4.22 0.100 2.12 0.050 6.35 0.150 0.0522 2.05 0.050 2.10 0.050 2.10 0.050 2.18 0.050 4.29 0.100 2.15 0.050 6.44 0.150	ND	Prepared: 1	Result Limit Units Level Result	Result Limit Units Level Result %REC	Prepared: 11-May-21 Analyzed: 12-May-21	Prepared: 11-May-21 Analyzed: 12-May-21	Prepared: 11-May-21 Analyzed: 12-May-21

Blank (1051104-BLK1)			Prepared & Analyzed: 11-May-21
Benzene	ND	0.050	mg/kg
Toluene	ND	0.050	mg/kg
Ethylbenzene	ND	0.050	mg/kg
Total Xylenes	ND	0.150	mg/kg

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Celey D. Keine

Celey D. Keene, Lab Director/Quality Manager



%REC

Analytical Results For:

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

Project: TEX MACK 231 Project Number: NONE GIVEN Project Manager: CHRIS JONES

Spike

Source

Reported: 18-May-21 10:22

RPD

Fax To:

Volatile Organic Compounds by EPA Method 8021 - Quality Control

Cardinal Laboratories

Reporting

Analyte	Result	Limit	Units	Level	Result	%REC	Limits	RPD	Limit	Notes
Batch 1051104 - Volatiles										
Blank (1051104-BLK1)				Prepared &	Analyzed:	11-May-2	1			
Total BTEX	ND	0.300	mg/kg							
Surrogate: 4-Bromofluorobenzene (PID)	ND		mg/kg	0.0500		95.1	69.9-140			
LCS (1051104-BS1)				Prepared &	Analyzed:	11-May-2	1			
Benzene	2.08	0.050	mg/kg	2.00		104	89.9-120			
Toluene	2.02	0.050	mg/kg	2.00		101	90.8-117			
Ethylbenzene	1.97	0.050	mg/kg	2.00		98.7	88.9-116			
m,p-Xylene	3.93	0.100	mg/kg	4.00		98.3	85.5-118			
o-Xylene	1.94	0.050	mg/kg	2.00		97.2	85.5-118			
Total Xylenes	5.88	0.150	mg/kg	6.00		97.9	85.5-118			
Surrogate: 4-Bromofluorobenzene (PID)	0.0475		mg/kg	0.0500		95.0	69.9-140			
LCS Dup (1051104-BSD1)				Prepared &	Analyzed:	11-May-2	1			
Benzene	2.18	0.050	mg/kg	2.00		109	89.9-120	4.79	10.3	
Toluene	2.12	0.050	mg/kg	2.00		106	90.8-117	5.04	10.5	
Ethylbenzene	2.09	0.050	mg/kg	2.00		104	88.9-116	5.52	10.8	
m,p-Xylene	4.15	0.100	mg/kg	4.00		104	85.5-118	5.50	10.7	
o-Xylene	2.02	0.050	mg/kg	2.00		101	85.5-118	3.75	10.7	
Total Xylenes	6.17	0.150	mg/kg	6.00		103	85.5-118	4.92	10.7	
Surrogate: 4-Bromofluorobenzene (PID)	0.0463		mg/kg	0.0500		92.5	69.9-140			

Batch 1051202 - Volatiles

Blank (1051202-BLK1)				Prepared & Analy	zed: 12-May-2	1	
Benzene	ND	0.050	mg/kg				
Toluene	ND	0.050	mg/kg				
Ethylbenzene	ND	0.050	mg/kg				
Total Xylenes	ND	0.150	mg/kg				
Total BTEX	ND	0.300	mg/kg				
Surrogate: 4-Bromofluorobenzene (PID)	ND		mg/kg	0.0500	93.8	69.9-140	

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Celey D. Keens

Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

PIMA ENVIROMENTAL 1601 N TURNER STE. 500 HOBBS NM, 88240 Project: TEX MACK 231
Project Number: NONE GIVEN
Project Manager: CHRIS JONES

Reported: 18-May-21 10:22

RPD

Fax To:

Volatile Organic Compounds by EPA Method 8021 - Quality Control

Cardinal Laboratories

Reporting

Spike

Source

Analyte	Result	Limit	Units	Level	Result	%REC	Limits	RPD	Limit	Notes
Batch 1051202 - Volatiles										
LCS (1051202-BS1)				Prepared &	Analyzed:	12-May-2	1			
Benzene	2.04	0.050	mg/kg	2.00		102	89.9-120			
Toluene	1.96	0.050	mg/kg	2.00		97.9	90.8-117			
Ethylbenzene	1.94	0.050	mg/kg	2.00		96.8	88.9-116			
m,p-Xylene	3.91	0.100	mg/kg	4.00		97.7	85.5-118			
o-Xylene	1.92	0.050	mg/kg	2.00		96.0	85.5-118			
Total Xylenes	5.83	0.150	mg/kg	6.00		97.1	85.5-118			
Surrogate: 4-Bromofluorobenzene (PID)	0.0463		mg/kg	0.0500		92.6	69.9-140			
LCS Dup (1051202-BSD1)				Prepared &	Analyzed:	12-May-2	1			
Benzene	2.10	0.050	mg/kg	2.00		105	89.9-120	2.76	10.3	
Toluene	2.02	0.050	mg/kg	2.00		101	90.8-117	2.91	10.5	
Ethylbenzene	2.00	0.050	mg/kg	2.00		100	88.9-116	3.38	10.8	
m,p-Xylene	4.01	0.100	mg/kg	4.00		100	85.5-118	2.58	10.7	
o-Xylene	1.97	0.050	mg/kg	2.00		98.6	85.5-118	2.75	10.7	
Total Xylenes	5.98	0.150	mg/kg	6.00		99.7	85.5-118	2.64	10.7	
Surrogate: 4-Bromofluorobenzene (PID)	0.0463		mg/kg	0.0500		92.6	69.9-140			

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Celey D. Keine



%REC

Limits

RPD

Analytical Results For:

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

Analyte

Project: TEX MACK 231
Project Number: NONE GIVEN
Project Manager: CHRIS JONES

Reported: 18-May-21 10:22

RPD

Limit

Notes

Fax To:

Petroleum Hydrocarbons by GC FID - Quality Control

Cardinal Laboratories

Units

Reporting

Limit

Result

Spike

Level

Source

Result

%REC

Blank (1051208-BLK1)				Prepared & Ana	lyzed: 12-May-2	1			
GRO C6-C10	ND	10.0	mg/kg						
DRO >C10-C28	ND	10.0	mg/kg						
EXT DRO >C28-C36	ND	10.0	mg/kg						
Surrogate: 1-Chlorooctane	48.3		mg/kg	50.0	96.6	44.3-133			
Surrogate: 1-Chlorooctadecane	49.5		mg/kg	50.0	98.9	38.9-142			
LCS (1051208-BS1)				Prepared & Ana	lyzed: 12-May-2	1			
GRO C6-C10	216	10.0	mg/kg	200	108	83.4-129			
DRO >C10-C28	227	10.0	mg/kg	200	114	84.3-133			
Total TPH C6-C28	443	10.0	mg/kg	400	111	85.3-130			
Surrogate: 1-Chlorooctane	50.1		mg/kg	50.0	100	44.3-133			
Surrogate: 1-Chlorooctadecane	51.3		mg/kg	50.0	103	38.9-142			
LCS Dup (1051208-BSD1)				Prepared & Ana	lyzed: 12-May-2	1			
GRO C6-C10	214	10.0	mg/kg	200	107	83.4-129	1.02	12.6	
DRO >C10-C28	226	10.0	mg/kg	200	113	84.3-133	0.709	12.1	
Total TPH C6-C28	439	10.0	mg/kg	400	110	85.3-130	0.860	11.6	
Surrogate: 1-Chlorooctane	51.4		mg/kg	50.0	103	44.3-133			
Surrogate: 1-Chlorooctadecane	52.8		mg/kg	50.0	106	38.9-142			

Batch 1051410 - General Prep - Organics

Blank (1051410-BLK1)			Prepared & Analy	zed: 14-May-21	l		
GRO C6-C10	ND	10.0	mg/kg				
DRO >C10-C28	ND	10.0	mg/kg				
EXT DRO >C28-C36	ND	10.0	mg/kg				
Surrogate: 1-Chlorooctane	52.4		mg/kg	50.0	105	44.3-133	
Surrogate: 1-Chlorooctadecane	52.6		mg/kg	50.0	105	38.9-142	

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Celey D. Keene



%REC

Limits

RPD

Analytical Results For:

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

Analyte

Project: TEX MACK 231
Project Number: NONE GIVEN
Project Manager: CHRIS JONES

Reported: 18-May-21 10:22

RPD

Limit

Notes

Fax To:

Reporting

Limit

Result

Petroleum Hydrocarbons by GC FID - Quality Control

Cardinal Laboratories

Units

Spike

Level

Source

Result

%REC

,										
Batch 1051410 - General Prep - Org	anics									
LCS (1051410-BS1)				Prepared &	Analyzed: 14-N	May-2	1			
GRO C6-C10	212	10.0	mg/kg	200	1	106	83.4-129			
DRO >C10-C28	206	10.0	mg/kg	200	1	103	84.3-133			
Total TPH C6-C28	418	10.0	mg/kg	400	1	105	85.3-130			
Surrogate: 1-Chlorooctane	53.4		mg/kg	50.0		107	44.3-133			
Surrogate: 1-Chlorooctadecane	51.1		mg/kg	50.0	ı	102	38.9-142			
LCS Dup (1051410-BSD1)				Prepared &	Analyzed: 14-N	May-2	1			
GRO C6-C10	217	10.0	mg/kg	200		108	83.4-129	2.17	12.6	
DRO >C10-C28	208	10.0	mg/kg	200	1	104	84.3-133	1.13	12.1	
Total TPH C6-C28	425	10.0	mg/kg	400	1	106	85.3-130	1.66	11.6	
Surrogate: 1-Chlorooctane	57.4		mg/kg	50.0		115	44.3-133			
Surrogate: 1-Chlorooctadecane	55.1		mg/kg	50.0		110	38.9-142			

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Notes and Definitions

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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CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Page 37 of 40

Released to Imaging: 12/14/2021 10:11:11 AM

101 East Marland, Hobbs, NM 88240

	575) 393-2326 FAX (575) 393-						_			-	,,,,					_		ΔN	Δ1 \	/SIS	RE	QUE	ST			\neg
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Phone #:	Fax #:							Add	dres	s:																
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	EX MACK 231							Sta	te:			Zip:			2											
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FOR LAB USE ONLY	torno postanti		Т		M.A	TRI	X		PRE	SER	٧.	SAMP	LING	100	0	1	3									
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analyses. All claims including t	those for negligence and any other cause whatsoever site	an be deen	400	2-8 I		Intern	unkone	Inee a	of una	or loss	of no	rofits incurred by o	fient, its subsidi	iaries,												
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Sampler - UPS - B	Bus - Other: Corrected Temp					No		lo		V	_	-	Correction	n Factor	None						IC L	NO	Correc	ted Tem	φ. υ	

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CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Page 38 of 40

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101 East Marland, Hobbs, NM 88240

	75) 393-2326 FAX (575) 393-2	2476	_				-			DI	L TO						ANA	LYSIS	RE	QUES	ST.		
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Phone #:	Fax #:						1	ddre	ess:				1 1										
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FOR LAB USE ONLY	are recount	T	П		MA	TRIX	-	PF	RES	ERV.	SAMP	LING	10	5	0								
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7.	55-21 55-31	1,	11		1										X								
PLEASE NOTE: Liability and Da	amages. Cardinal's liability and client's exclusive remedy	for any cla	im aris	ing whe	ther bas	ed in co	intract o	receive	hall be	limited	to the amount pai	d by the client f	for the f the applica	able									
analyses. All claims including th	ose for negligence and any other cause whatsoever sna	L'ou dealth	and Seed	tolion b	uelnaes	internuni	tions le	es of us	se, or l	loss of p	profits incurred by	client, its subsid	fiaries,										
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Sampler - UPS - Bus - Other:

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Page 39 of 40

	(575) 393-2326 FAX (57	75) 393-2476						AN	AI VSIS	REQUEST	
Company Name	: Pima Exviron	mental		-	BILL TO			T T	1		
Project Manager	: Phois JONES			P.O. #:	1						
Address: /6	OI N TURNE	T #500		Compan	y: SPUR						
city: #60b	b S Sta	ate: Nun Zip: 8824	(0)	Attn:							
Phone #: 5 75	(231-6977 Fax	#:		Address	:		1				
Project #:	Pro	ject Owner: SPUR		City:							
Project Name:	TEX MACK &	131		State:	Zip:						
Project Location	5-4 A-4 A	Nto		Phone #	t:						
Sampler Name:	MARKINEW	comb		Fax #:							
FOR LAB USE ONLY	V		MATRIX	PRES	SERV. SAN	IPLING	35				
Lab I.D. H2[120]	Sample I.D.	(G)RAB OR (C)OMP # CONTAINERS GROUNDWATER WASTEWATER	SOIL	OTHER:	OTHER:		Chlorida	BTEX			
21	56-0-6" 56-1' 56-2' 56-3' 57-0-6" 57-1' 57-1' 57-3' 58-0-6"	C	(I I	5/0/21		X		And ST	14/21	+
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29	58 - 0-6"		+++	+	1		9/				
	10	to be separate for any claim arising whether	based in contra	act or tort, shall t	be limited to the amount	paid by the client	for the				
analyses. All claims inclu	fing those for negligence and any other cause w	maisoever shall be deciried traited and	one intermedian	se loss of use of	loss of profits incurred	by client, its subsid	fiaries,				
service. In no event shall affiliates or successors an	Cardinal be liable for incidental or consequental cipo out of or related to the performance of son	icas her under by Cardinal, regardless of	hether such cla	im is based upor	n any of the above states	Vorbal F	Posult		dd'l Phone #		
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Sampler - UPS	The state of the s	C	Yes 1	Yes	(Initials)	Thermom	neter ID #113 on Factor None		☐ Yes	☐ Yes ☐ No Correc	ted Temp. °C

Cool Intact
Yes Yes
No No

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Received by OCD: 9/15/2021 12:00:13 AM



CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Page 40 of 40

Released to Imaging: 12/14/2021 10:11:11 AM

101 East Marland, Hobbs, NM 88240

(575) 393-2326 FAX (575	393-2476	DUL TO	ANALYSIS REQUEST	
mpany Name: Pimo Environ	6 MM 1	BILL TO	Aura: or a second	
oject Manager: Chris JONES		P.O. #:		
dress: 1601 N. TWINER	#500	Company: SPUR		
y: Hobbs State	: NM Zip: 88240	Attn:		
ty: Hobbs State sone #: 575 - 1031 - 16977 Fax #		Address:		
oject #: Proje	ct Owner: SPUR	City:		
oject Name: TEX MACK 23	31	State: Zip:		
oject Location: EDDY COUNT		Phone #:		1 1
ampler Name: MARK Newcon	ul	Fax #:		
OR LAB USE ONLY	MATRI	X PRESERV. SAMPLING		
	G) RAB OR (C) OMP - + - # CONTAINERS GROUNDWATER WASTEWATER OII			
Lab I.D. Sample I.D.	(G)RAB OR (C)ON # CONTAINERS GROUNDWATER WASTEWATER SOIL	, , , , , , , , , , , , , , , , , , ,	77-1	
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husel	# COPRA GROU WAST	SLUDGE OTHER: ACID/BA ACID/BA ACID/BA ACID/BA ACID/BA	7 9	
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		contract or too, shall be limited to the amount paid by the client for	or the	
EASE NOTE: Liability and Damages. Cardinal's liability and client's exclus alyses. All claims including those for negligence and any other cause what	Socyel Stidil be deethed trained an arrived intern	unlions loss of use, or loss of profits incurred by client, its subsidia	aries,	
rvice. In no event shall Cardinal be liable for incidental or consequental de Plates or successors arising out of or related to the performance of service	s herounder by Cardinal, regardless of whether say	h claim is based upon any of the above stated reasons or otherwi	esult: Yes No Add'l Phone #:	
elinquished By:	Sirolal Received By:	All Result	ts are emailed. Please provide Email address:	
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Relinquished By: Date		REMARK	STOP AT CLEAN	
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	Cool In		11001	

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June 01, 2021

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

RE: TEX MACK #231

Enclosed are the results of analyses for samples received by the laboratory on 05/27/21 10:00.

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

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

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

Celey D. Keine

Accreditation applies to public drinking water matrices.

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

Sincerely,

Celey D. Keene

Lab Director/Quality Manager



Analytical Results For:

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

Received: 05/27/2021 Reported: 06/01/2021

Project Name: TEX MACK #231

Project Number: 6-18

Project Location: SPUR - EDDY CO NM

Sampling Date: 05/26/2021

Sampling Type: Soil

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

Sample ID: S - 1 2' BOTTOM (H211363-01)

Chloride, SM4500CI-B	mg,	/kg	Analyze	d By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	05/28/2021	ND	416	104	400	3.92	
Sample ID: S - 2 2	' воттом (н2113	63-02)							
Chloride, SM4500CI-B	mg,	/kg	Analyze	d By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	05/28/2021	ND	416	104	400	3.92	
Sample ID: S - 3 2	' BOTTOM (H2113	63-03)							
Chloride, SM4500CI-B	mg	/kg	Analyze	d By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	05/28/2021	ND	416	104	400	3.92	
Sample ID: S - 4 1	' BOTTOM (H2113	63-04)							
Chloride, SM4500CI-B	mg	/kg	Analyze	d By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	05/28/2021	ND	416	104	400	3.92	

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Celey D. Keine



Analytical Results For:

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

Received: 05/27/2021 Reported: 06/01/2021

Project Name: TEX MACK #231

Project Number: 6-18

Project Location: SPUR - EDDY CO NM Sampling Date: 05/26/2021

Sampling Type: Soil

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

Tamara Oldaker

Sample ID: S - 5 1' BOTTOM (H211363-05)

Chloride, SM4500Cl-B	mg	/kg	Analyze	d By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	05/28/2021	ND	416	104	400	3.92	
Sample ID: S - 6	6' BOTTOM (H2113	-							
Chloride, SM4500Cl-B	mg	/kg	Analyze	d By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	05/28/2021	ND	416	104	400	3.92	
Sample ID: S - 6	WALL COMP (H2113	262-07\							
Sample 1D. 5	WALL COMP (112113	103-07)							
•	mg	-	Analyze	d By: GM					
•	-	-	Analyze Analyzed	d By: GM Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride, SM4500Cl-B Analyte	mg	/kg	<u> </u>	-	BS 416	% Recovery	True Value QC 400	RPD 3.92	Qualifier
Chloride, SM4500Cl-B Analyte Chloride	mg. Result	Reporting Limit	Analyzed	Method Blank		,	•		Qualifier
Analyte Chloride Sample ID: S - 7	Result <16.0	Reporting Limit 16.0	Analyzed 05/28/2021	Method Blank		,	•		Qualifier
Chloride, SM4500Cl-B	Result <16.0	Reporting Limit 16.0	Analyzed 05/28/2021	Method Blank ND		,	•		Qualifier

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Analytical Results For:

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

Received: 05/27/2021 Reported: 06/01/2021

Project Name: TEX MACK #231

Project Number: Project Location: SPUR - EDDY CO NM

6-18

Sampling Date: 05/26/2021

Sampling Type: Soil

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

Sample ID: S - 7 WALL COMP (H211363-09)

BTEX 8021B	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	05/28/2021	ND	1.94	97.0	2.00	5.88	
Toluene*	<0.050	0.050	05/28/2021	ND	2.05	103	2.00	6.23	
Ethylbenzene*	<0.050	0.050	05/28/2021	ND	2.02	101	2.00	6.04	
Total Xylenes*	<0.150	0.150	05/28/2021	ND	6.02	100	6.00	6.16	
Total BTEX	<0.300	0.300	05/28/2021	ND					
Surrogate: 4-Bromofluorobenzene (PID	98.6	% 69.9-14	0						
Chloride, SM4500CI-B	mg,	/kg	Analyze	ed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	05/28/2021	ND	416	104	400	3.92	
TPH 8015M	mg,	/kg	Analyze	ed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/28/2021	ND	209	105	200	0.850	
DRO >C10-C28*	<10.0	10.0	05/28/2021	ND	226	113	200	0.0288	
EXT DRO >C28-C36	<10.0	10.0	05/28/2021	ND					
Surrogate: 1-Chlorooctane	82.1	% 44.3-13	3						
Surrogate: 1-Chlorooctadecane	79.9	% 38.9-14	2						

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Analytical Results For:

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

Received: 05/27/2021 Reported: 06/01/2021

Project Name: TEX MACK #231
Project Number: 6-18

Project Location: SPUR - EDDY CO NM

Sampling Date: 05/26/2021

Sampling Type: Soil

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

Sample ID: S - 8 6' BOTTOM (H211363-10)

Chloride, SM4500Cl-B	mg,	/kg	Analyze	d By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	16.0	16.0	05/28/2021	ND	416	104	400	3.92	

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Analytical Results For:

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

Received: 05/27/2021 Reported: 06/01/2021

Project Name: TEX MACK #231

Project Number: 6-18

Project Location: SPUR F

Project Location: SPUR - EDDY CO NM

Sampling Date: 05/26/2021

Sampling Type: Soil

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

Sample ID: S - 8 WALL COMP (H211363-11)

BTEX 8021B	mg	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	05/28/2021	ND	1.94	97.0	2.00	5.88	
Toluene*	<0.050	0.050	05/28/2021	ND	2.05	103	2.00	6.23	
Ethylbenzene*	<0.050	0.050	05/28/2021	ND	2.02	101	2.00	6.04	
Total Xylenes*	<0.150	0.150	05/28/2021	ND	6.02	100	6.00	6.16	
Total BTEX	<0.300	0.300	05/28/2021	ND					
Surrogate: 4-Bromofluorobenzene (PID	98.3	% 69.9-14	0						
Chloride, SM4500CI-B	mg,	/kg	Analyze	ed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	05/28/2021	ND	400	100	400	3.92	
TPH 8015M	mg,	/kg	Analyze	ed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/28/2021	ND	209	105	200	0.850	
DRO >C10-C28*	<10.0	10.0	05/28/2021	ND	226	113	200	0.0288	
EXT DRO >C28-C36	<10.0	10.0	05/28/2021	ND					
Surrogate: 1-Chlorooctane	81.0	% 44.3-13	3						
Surrogate: 1-Chlorooctadecane	78.5	% 38.9-14	2						

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Notes and Definitions

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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9/15/2021 12:00:13 AM

Received by OCD:

Delivered By: (Circle One)

Sampler - UPS - Bus - Other:

Page 8 of

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

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

Time:

Observed Temp. °C 12,

Corrected Temp. °C

Company Name:		nnental										B	ILL	TO						ANA	ALYS	IS R	EQU	EST			\neg
Project Manager	: Chris Jon	es							P	.0.	#:					П											$\top \Box$
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Project # /	-18	Project Owner		50.	-	E	ON	s v		ity:						1										1	
Project Name:	- M.	# 231		P	ч	-/-	0	1					_			1											
Project Name:	Tex Mack	# 201					_		_	tate			Zip:	:		1	1		1							1	\perp
Project Location	Gib Gome	nky							P	ho	ne #	# :				1	1	1	1								1.1
Sampler Name:	Gib Gome	2							F	ax i	#:						X										11
FOR LAB USE ONLY						N	ATF	RIX		P	RES	SERV	4	SAMI	PLING	1	M	1	Y			1					\perp
Lab I.D. H211363	Sample I.	D.	(G)RAB OR (C)OMP	# CONTAINERS	GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE OTHER	CID/BASE	ACID/BASE:	OTHER:	l p	ATE	TIME	STEX	Hot	11/11/	0								
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3.	5-5 1' Botton	7	1	Н		-		+	+	1	+	4	-					\vdash	-	+-	-	-	-	_	_		\square
6.	5-6 6' Botto	m	1	Ш		-	1	-	+	1	\perp	-	_							-		1	1				\perp
7	5-6 Wall Comp 5-7 Le' Botto			Ц			Ц.	1		L	1			- 4	1435	- 3					1_					-	
8.	5-7 6 Botto	m										2												-			
93	5-7 Wall Com									1	1					X	X										
10	5-8 6'Botto	m									1				1440												
analyses. All claims including service. In no event shall Care	Damages. Cardinal's liability and clier those for negligence and any other or dinal be liable for incidental or conseq out of or related to the performs use of	ause whatsoever shall be duental damages, including	withou	d waive t limital	d unfe	ss mad usiness	intern	writing a uptions	and rec	eived of use	by Ca	ardinal v	within 30 rofits inco	days after urred by c	r completion of th	ne applications,	ble										_
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Tark	3	5/27/21 Time: 10:00	200		1	au	10	280	1	1		de	il	LAN	All Results											-	
Relinquished By:		Date:	Re	ceiv	ed l	By:		4		-	-	100	1	1	REMARKS	3:											

CHECKED BY:

(Initials)

Turnaround Time:

Thermometer ID #113 Correction Factor None Standard

Rush

Bacteria (only) Sample Condition

Observed Temp. °C

Corrected Temp. °C

Cool Intact

☐ Yes ☐ Yes

☐ Nc ☐ No

Sample Condition

Yes Yes

Cool Intact

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

Received by OCD: 9/15/2021 12:00:13 AM

Company Name:

Page 9 of



CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

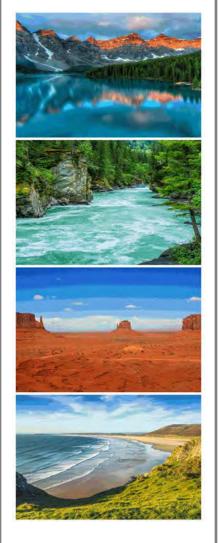
ANALYSIS REQUEST

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

																	, ,, ,,			LWO			
Project Manager:								P.O.	#:														
Address:								Com	par	ny:													
City:	State:	Zip	:					Attn	:														
Phone #:	Fax #:							Add	ress	s:													
Project #:	Project Owner	r:						City:															
Project Name:					-			State	e:		Zip:												
Project Location:								Pho	ne #	t:				1									
Sampler Name:		_	_			_	_	Fax	_				1		10								
FOR LAB USE ONLY		a:			MA	TRIX	(P	RES	ERV.	SAM	IPLING	1	7	1								
4211363	ole I.D.	(G)RAB OR (C)OMP	# CONTAINERS	GROUNDWATER	SOIL	OIL	SLUDGE	OTHER:	CE / COO!	OTHER:	DATE	TIME	BIEX	744E	Cherio					,			
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LEASE NOTE: Liability and Damages. Cardinal's liabilians. All claims including those for negligence and invivie. In no event shall Cardinal be liable for incidenta (%) as or successors arising out of or related to the per	ny other cause whatsoever shall be d or consequental damages, including	without ardinal,	limitat regard	d unless tion, bus	made i iness int whether	n writin	ig and r	eceived as of use	by Ca	erdinal w	ithin 30 days after ofits incurred by	er completion of the client, its subsidiar	he applicab ries, se. sult:	☐ Yes				Phone nail add					
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BILL TO

Report to:
Tom Bynum



5796 U.S. Hwy 64 Farmington, NM 87401

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





envirotech

Practical Solutions for a Better Tomorrow

Analytical Report

Pima Environmental Services-Carlsbad

Project Name: Tex Mack 231

Work Order: E108001

Job Number: 21064-0001

Received: 7/31/2021

Revision: 1

Report Reviewed By:

Walter Hinchman Laboratory Director 8/4/21

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.

Partial or incomplete reproduction of this report is prohibited, unless approved by Envirotech Inc.

Envirotech Inc, holds the Utah TNI certification NM00979 for data reported.

Envirotech Inc, holds the Texas TNI certification T104704557 for data reported.

Date Reported: 8/4/21

Tom Bynum PO Box 247 Plains, TX 79355-0247

Project Name: Tex Mack 231

Workorder: E108001

Date Received: 7/31/2021 6:30:00PM

Tom Bynum,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 7/31/2021 6:30:00PM, under the Project Name: Tex Mack 231.

The analytical test results summarized in this report with the Project Name: Tex Mack 231 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 reguarding 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,

Walter Hinchman

Laboratory Director Office: 505-632-1881

Cell: 775-287-1762

whinchman@envirotech-inc.com

Raina Schwanz

Laboratory Administrator Office: 505-632-1881

rainaschwanz@envirotech-inc.com

Alexa Michaels

Sample Custody Officer Office: 505-632-1881

labadmin@envirotech-inc.com

Field Offices:

Southern New Mexico Area Lynn Jarboe

Technical Representative/Client Services

Office: 505-421-LABS(5227)

Cell: 505-320-4759

ljarboe@envirotech-inc.com

West Texas Midland/Odessa Area Tom Brown

Technical Representative Cell: 832-444-7704

tbrown@envirotech-inc.com

Envirotech Web Address: www.envirotech-inc.com

Table of Contents

Title Page	1
Cover Page	2
Table of Contents	3
Sample Summary	5
Sample Data	6
CS1	6
CS2	7
CS3	8
CS4	9
CS5	10
CS6	11
CS7	12
CS8	13
CS9	14
CS10	15
CS11	16
CS12	17
CS13	18
CS14	19
CS15	20
CS16	21
CS17	22
CS18	23
QC Summary Data	24
QC - Volatile Organics by EPA 8021B	24

Table of Contents (continued)

QC - Nonhalogenated Organics by EPA 8015D - GRO	25
QC - Nonhalogenated Organics by EPA 8015D - DRO/ORO	26
QC - Anions by EPA 300.0/9056A	27
Definitions and Notes	28
Chain of Custody etc.	29

Sample Summary

Pima Environmental Services-Carlsbad	Project Name:	Tex Mack 231	Reported:
PO Box 247	Project Number:	21064-0001	Reported:
Plains TX, 79355-0247	Project Manager:	Tom Bynum	08/04/21 10:34

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
CS1	E108001-01A	Solid	07/29/21	07/31/21	Glass Jar, 4 oz.
CS2	E108001-02A	Solid	07/29/21	07/31/21	Glass Jar, 4 oz.
CS3	E108001-03A	Solid	07/29/21	07/31/21	Glass Jar, 4 oz.
CS4	E108001-04A	Solid	07/29/21	07/31/21	Glass Jar, 4 oz.
CS5	E108001-05A	Solid	07/29/21	07/31/21	Glass Jar, 4 oz.
CS6	E108001-06A	Solid	07/29/21	07/31/21	Glass Jar, 4 oz.
CS7	E108001-07A	Solid	07/29/21	07/31/21	Glass Jar, 4 oz.
CS8	E108001-08A	Solid	07/29/21	07/31/21	Glass Jar, 4 oz.
CS9	E108001-09A	Solid	07/29/21	07/31/21	Glass Jar, 4 oz.
CS10	E108001-10A	Solid	07/29/21	07/31/21	Glass Jar, 4 oz.
CS11	E108001-11A	Solid	07/29/21	07/31/21	Glass Jar, 4 oz.
CS12	E108001-12A	Solid	07/29/21	07/31/21	Glass Jar, 4 oz.
CS13	E108001-13A	Solid	07/29/21	07/31/21	Glass Jar, 4 oz.
CS14	E108001-14A	Solid	07/29/21	07/31/21	Glass Jar, 4 oz.
CS15	E108001-15A	Solid	07/29/21	07/31/21	Glass Jar, 4 oz.
CS16	E108001-16A	Solid	07/29/21	07/31/21	Glass Jar, 4 oz.
CS17	E108001-17A	Solid	07/29/21	07/31/21	Glass Jar, 4 oz.
CS18	E108001-18A	Solid	07/29/21	07/31/21	Glass Jar, 4 oz.

Pima Environmental Services-Carlsbad	Project Name:	Tex Mack 231	
PO Box 247	Project Number:	21064-0001	Reported:
Plains TX, 79355-0247	Project Manager:	Tom Bynum	8/4/2021 10:34:14AM

CS1

		E100001-01				
Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analy	rst: RKS		Batch: 2132002
Benzene	ND	0.0250	1	08/02/21	08/02/21	
Ethylbenzene	ND	0.0250	1	08/02/21	08/02/21	
Toluene	ND	0.0250	1	08/02/21	08/02/21	
o-Xylene	ND	0.0250	1	08/02/21	08/02/21	
p,m-Xylene	ND	0.0500	1	08/02/21	08/02/21	
Total Xylenes	ND	0.0250	1	08/02/21	08/02/21	
Surrogate: 4-Bromochlorobenzene-PID		89.1 %	70-130	08/02/21	08/02/21	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: RKS			Batch: 2132002
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/02/21	08/02/21	
Surrogate: 1-Chloro-4-fluorobenzene-FID		106 %	70-130	08/02/21	08/02/21	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analy	rst: JL		Batch: 2132003
Diesel Range Organics (C10-C28)	ND	25.0	1	08/02/21	08/02/21	
Oil Range Organics (C28-C36)	ND	50.0	1	08/02/21	08/02/21	
Surrogate: n-Nonane		94.0 %	50-200	08/02/21	08/02/21	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analy	rst: RAS		Batch: 2132006
Chloride	ND	20.0	1	08/03/21	08/03/21	

Pima Environmental Services-Carlsbad	Project Name:	Tex Mack 231	
PO Box 247	Project Number:	21064-0001	Reported:
Plains TX, 79355-0247	Project Manager:	Tom Bynum	8/4/2021 10:34:14AM

CS2

		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Ana	ılyst: RKS		Batch: 2132002
Benzene	ND	0.0250	1	08/02/21	08/02/21	
Ethylbenzene	ND	0.0250	1	08/02/21	08/02/21	
Toluene	ND	0.0250	1	08/02/21	08/02/21	
o-Xylene	ND	0.0250	1	08/02/21	08/02/21	
p,m-Xylene	ND	0.0500	1	08/02/21	08/02/21	
Total Xylenes	ND	0.0250	1	08/02/21	08/02/21	
Surrogate: 4-Bromochlorobenzene-PID		86.5 %	70-130	08/02/21	08/02/21	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Ana	ılyst: RKS		Batch: 2132002
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/02/21	08/02/21	
Surrogate: 1-Chloro-4-fluorobenzene-FID		106 %	70-130	08/02/21	08/02/21	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Ana	ılyst: JL		Batch: 2132003
Diesel Range Organics (C10-C28)	ND	25.0	1	08/02/21	08/02/21	
Oil Range Organics (C28-C36)	ND	50.0	1	08/02/21	08/02/21	
Surrogate: n-Nonane		83.5 %	50-200	08/02/21	08/02/21	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Ana	llyst: RAS		Batch: 2132006
Allions by ETA 300:0/7030A						



Pima Environmental Services-Carlsbad	Project Name:	Tex Mack 231	
PO Box 247	Project Number:	21064-0001	Reported:
Plains TX, 79355-0247	Project Manager:	Tom Bynum	8/4/2021 10:34:14AM

CS3

		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Anal	yst: RKS		Batch: 2132002
Benzene	ND	0.0250	1	08/02/21	08/02/21	
Ethylbenzene	ND	0.0250	1	08/02/21	08/02/21	
Toluene	ND	0.0250	1	08/02/21	08/02/21	
o-Xylene	ND	0.0250	1	08/02/21	08/02/21	
p,m-Xylene	ND	0.0500	1	08/02/21	08/02/21	
Total Xylenes	ND	0.0250	1	08/02/21	08/02/21	
Surrogate: 4-Bromochlorobenzene-PID		83.6 %	70-130	08/02/21	08/02/21	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Anal	Analyst: RKS		Batch: 2132002
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/02/21	08/02/21	
Surrogate: 1-Chloro-4-fluorobenzene-FID		107 %	70-130	08/02/21	08/02/21	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Anal	yst: JL		Batch: 2132003
Diesel Range Organics (C10-C28)	ND	25.0	1	08/02/21	08/02/21	
Oil Range Organics (C28-C36)	ND	50.0	1	08/02/21	08/02/21	
Surrogate: n-Nonane		88.0 %	50-200	08/02/21	08/02/21	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Anal	yst: RAS		Batch: 2132006
Chloride	ND	20.0	1	08/03/21	08/03/21	



Pima Environmental Services-Carlsbad	Project Name:	Tex Mack 231	
PO Box 247	Project Number:	21064-0001	Reported:
Plains TX, 79355-0247	Project Manager:	Tom Bynum	8/4/2021 10:34:14AM

CS4

		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Anal	yst: RKS		Batch: 2132002
Benzene	ND	0.0250	1	08/02/21	08/02/21	
Ethylbenzene	ND	0.0250	1	08/02/21	08/02/21	
Toluene	ND	0.0250	1	08/02/21	08/02/21	
o-Xylene	ND	0.0250	1	08/02/21	08/02/21	
p,m-Xylene	ND	0.0500	1	08/02/21	08/02/21	
Total Xylenes	ND	0.0250	1	08/02/21	08/02/21	
Surrogate: 4-Bromochlorobenzene-PID		85.8 %	70-130	08/02/21	08/02/21	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Anal	Analyst: RKS		Batch: 2132002
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/02/21	08/02/21	
Surrogate: 1-Chloro-4-fluorobenzene-FID		105 %	70-130	08/02/21	08/02/21	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Anal	yst: JL		Batch: 2132003
Diesel Range Organics (C10-C28)	ND	25.0	1	08/02/21	08/02/21	
Oil Range Organics (C28-C36)	ND	50.0	1	08/02/21	08/02/21	
Surrogate: n-Nonane		94.6 %	50-200	08/02/21	08/02/21	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Anal	yst: RAS		Batch: 2132006



Pima Environmental Services-Carlsbad	Project Name:	Tex Mack 231	
PO Box 247	Project Number:	21064-0001	Reported:
Plains TX, 79355-0247	Project Manager:	Tom Bynum	8/4/2021 10:34:14AM

CS5

		D				
Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Ana	lyst: RKS		Batch: 2132002
Benzene	ND	0.0250	1	08/02/21	08/02/21	
Ethylbenzene	ND	0.0250	1	08/02/21	08/02/21	
Toluene	ND	0.0250	1	08/02/21	08/02/21	
o-Xylene	ND	0.0250	1	08/02/21	08/02/21	
p,m-Xylene	ND	0.0500	1	08/02/21	08/02/21	
Total Xylenes	ND	0.0250	1	08/02/21	08/02/21	
Surrogate: 4-Bromochlorobenzene-PID		86.9 %	70-130	08/02/21	08/02/21	
Nonhalogenated Organics by EPA 8015D - GRO		mg/kg	Analyst: RKS		Batch: 2132002	
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/02/21	08/02/21	
Surrogate: 1-Chloro-4-fluorobenzene-FID		105 %	70-130	08/02/21	08/02/21	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Ana	lyst: JL		Batch: 2132003
Diesel Range Organics (C10-C28)	ND	25.0	1	08/02/21	08/02/21	
Oil Range Organics (C28-C36)	ND	50.0	1	08/02/21	08/02/21	
Surrogate: n-Nonane		94.6 %	50-200	08/02/21	08/02/21	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Ana	lyst: RAS		Batch: 2132006
·	ND	<u> </u>		08/03/21	08/03/21	



Pima Environmental Services-Carlsbad	Project Name:	Tex Mack 231	
PO Box 247	Project Number:	21064-0001	Reported:
Plains TX, 79355-0247	Project Manager:	Tom Bynum	8/4/2021 10:34:14AM

CS6

		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Ana	lyst: RKS		Batch: 2132002
Benzene	ND	0.0250	1	08/02/21	08/02/21	
Ethylbenzene	ND	0.0250	1	08/02/21	08/02/21	
Toluene	ND	0.0250	1	08/02/21	08/02/21	
o-Xylene	ND	0.0250	1	08/02/21	08/02/21	
p,m-Xylene	ND	0.0500	1	08/02/21	08/02/21	
Total Xylenes	ND	0.0250	1	08/02/21	08/02/21	
Surrogate: 4-Bromochlorobenzene-PID		82.8 %	70-130	08/02/21	08/02/21	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Ana	lyst: RKS		Batch: 2132002
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/02/21	08/02/21	
Surrogate: 1-Chloro-4-fluorobenzene-FID		107 %	70-130	08/02/21	08/02/21	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Ana	lyst: JL		Batch: 2132003
Diesel Range Organics (C10-C28)	ND	25.0	1	08/02/21	08/02/21	
Oil Range Organics (C28-C36)	ND	50.0	1	08/02/21	08/02/21	
Surrogate: n-Nonane		94.1 %	50-200	08/02/21	08/02/21	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Ana	lyst: RAS		Batch: 2132006
1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1						



Pima Environmental Services-Carlsbad	Project Name:	Tex Mack 231	
PO Box 247	Project Number:	21064-0001	Reported:
Plains TX, 79355-0247	Project Manager:	Tom Bynum	8/4/2021 10:34:14AM

CS7

		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Ana	ılyst: RKS		Batch: 2132002
Benzene	ND	0.0250	1	08/02/21	08/02/21	
Ethylbenzene	ND	0.0250	1	08/02/21	08/02/21	
Toluene	ND	0.0250	1	08/02/21	08/02/21	
o-Xylene	ND	0.0250	1	08/02/21	08/02/21	
p,m-Xylene	ND	0.0500	1	08/02/21	08/02/21	
Total Xylenes	ND	0.0250	1	08/02/21	08/02/21	
Surrogate: 4-Bromochlorobenzene-PID		89.3 %	70-130	08/02/21	08/02/21	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Ana	ılyst: RKS		Batch: 2132002
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/02/21	08/02/21	
Surrogate: 1-Chloro-4-fluorobenzene-FID		104 %	70-130	08/02/21	08/02/21	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Ana	ılyst: JL		Batch: 2132003
Diesel Range Organics (C10-C28)	ND	25.0	1	08/02/21	08/02/21	
Oil Range Organics (C28-C36)	ND	50.0	1	08/02/21	08/02/21	
Surrogate: n-Nonane		90.9 %	50-200	08/02/21	08/02/21	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Ana	ılyst: RAS		Batch: 2132006



Pima Environmental Services-Carlsbad	Project Name:	Tex Mack 231	
PO Box 247	Project Number:	21064-0001	Reported:
Plains TX, 79355-0247	Project Manager:	Tom Bynum	8/4/2021 10:34:14AM

CS8

		Reporting				
Analyte	Result	Limit	Dilution	n Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Ana	alyst: RKS		Batch: 2132002
Benzene	ND	0.0250	1	08/02/21	08/03/21	
Ethylbenzene	ND	0.0250	1	08/02/21	08/03/21	
Toluene	ND	0.0250	1	08/02/21	08/03/21	
o-Xylene	ND	0.0250	1	08/02/21	08/03/21	
p,m-Xylene	ND	0.0500	1	08/02/21	08/03/21	
Total Xylenes	ND	0.0250	1	08/02/21	08/03/21	
Surrogate: 4-Bromochlorobenzene-PID		92.4 %	70-130	08/02/21	08/03/21	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Ana	alyst: RKS		Batch: 2132002
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/02/21	08/03/21	
Surrogate: 1-Chloro-4-fluorobenzene-FID		105 %	70-130	08/02/21	08/03/21	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Ana	alyst: JL		Batch: 2132003
Diesel Range Organics (C10-C28)	ND	25.0	1	08/02/21	08/02/21	
Oil Range Organics (C28-C36)	ND	50.0	1	08/02/21	08/02/21	
Surrogate: n-Nonane		98.4 %	50-200	08/02/21	08/02/21	
	mg/kg	mg/kg	Ana	alyst: RAS		Batch: 2132006
Anions by EPA 300.0/9056A	mg/kg	mg ng		,		



Pima Environmental Services-Carlsbad	Project Name:	Tex Mack 231	
PO Box 247	Project Number:	21064-0001	Reported:
Plains TX, 79355-0247	Project Manager:	Tom Bynum	8/4/2021 10:34:14AM

CS9

		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analy	st: RKS		Batch: 2132002
Benzene	ND	0.0250	1	08/02/21	08/03/21	
Ethylbenzene	ND	0.0250	1	08/02/21	08/03/21	
Toluene	ND	0.0250	1	08/02/21	08/03/21	
o-Xylene	ND	0.0250	1	08/02/21	08/03/21	
p,m-Xylene	ND	0.0500	1	08/02/21	08/03/21	
Total Xylenes	ND	0.0250	1	08/02/21	08/03/21	
Surrogate: 4-Bromochlorobenzene-PID		85.2 %	70-130	08/02/21	08/03/21	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: RKS			Batch: 2132002
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/02/21	08/03/21	
Surrogate: 1-Chloro-4-fluorobenzene-FID		107 %	70-130	08/02/21	08/03/21	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analy	st: JL		Batch: 2132003
Diesel Range Organics (C10-C28)	ND	25.0	1	08/02/21	08/02/21	
Oil Range Organics (C28-C36)	ND	50.0	1	08/02/21	08/02/21	
Surrogate: n-Nonane		98.3 %	50-200	08/02/21	08/02/21	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analy	st: RAS		Batch: 2132006
Chloride	ND	20.0	1	08/03/21	08/03/21	



Pima Environmental Services-Carlsbad	Project Name:	Tex Mack 231	
PO Box 247	Project Number:	21064-0001	Reported:
Plains TX, 79355-0247	Project Manager:	Tom Bynum	8/4/2021 10:34:14AM

CS10

	Reporting				
Result	Limit	Dilutio	n Prepared	Analyzed	Notes
mg/kg	mg/kg	An	alyst: RKS		Batch: 2132002
ND	0.0250	1	08/02/21	08/03/21	
ND	0.0250	1	08/02/21	08/03/21	
ND	0.0250	1	08/02/21	08/03/21	
ND	0.0250	1	08/02/21	08/03/21	
ND	0.0500	1	08/02/21	08/03/21	
ND	0.0250	1	08/02/21	08/03/21	
	83.3 %	70-130	08/02/21	08/03/21	
mg/kg	mg/kg	An	alyst: RKS		Batch: 2132002
ND	20.0	1	08/02/21	08/03/21	
	106 %	70-130	08/02/21	08/03/21	
mg/kg	mg/kg	An	alyst: JL		Batch: 2132003
ND	25.0	1	08/02/21	08/02/21	
ND	50.0	1	08/02/21	08/02/21	
	96.3 %	50-200	08/02/21	08/02/21	
mg/kg	mg/kg	An	alyst: RAS		Batch: 2132006
ND	20.0	1	08/03/21	08/03/21	
· · · · · · · · · · · · · · · · · · ·	mg/kg ND ND ND ND ND ND ND ND ND Mg/kg ND mg/kg	Result Limit mg/kg mg/kg ND 0.0250 ND 0.0250 ND 0.0250 ND 0.0500 ND 0.0250 MD 0.0250 83.3 % mg/kg mg/kg mg/kg ND 20.0 106 % mg/kg ND 25.0 ND 50.0 96.3 % mg/kg mg/kg mg/kg	Result Limit Dilution mg/kg mg/kg An ND 0.0250 1 ND 0.0250 1 ND 0.0250 1 ND 0.0500 1 ND 0.0250 1 ND 0.0250 1 ND 0.0250 1 Mg/kg mg/kg An ND 20.0 1 106 % 70-130 mg/kg mg/kg An ND 25.0 1 ND 50.0 1 96.3 % 50-200 mg/kg Mg/kg An	Result Limit Dilution Prepared mg/kg mg/kg Analyst: RKS ND 0.0250 1 08/02/21 ND 0.0250 1 08/02/21 ND 0.0250 1 08/02/21 ND 0.0250 1 08/02/21 ND 0.0500 1 08/02/21 ND 0.0250 1 08/02/21 mg/kg mg/kg Analyst: RKS ND 20.0 1 08/02/21 mg/kg mg/kg Analyst: JL ND 25.0 1 08/02/21 ND 25.0 1 08/02/21 ND 50.0 1 08/02/21 ND 50.0 1 08/02/21 ND 50.0 0 08/02/21 ND 50.0 0 08/02/21 ND 50.0 0 08/02/21 ND 50.0 0 08/02/21 ND <td< td=""><td>Result Limit Dilution Prepared Analyzed mg/kg mg/kg Analyst: RKS ND 0.0250 1 08/02/21 08/03/21 ND 0.0500 1 08/02/21 08/03/21 ND 0.0250 1 08/02/21 08/03/21 ND 0.0250 1 08/02/21 08/03/21 mg/kg mg/kg Analyst: RKS ND 20.0 1 08/02/21 08/03/21 mg/kg mg/kg Analyst: JL 08/03/21 08/03/21 ND 25.0 1 08/02/21 08/02/21 ND 50.0 1 08/02/21 08/02/21 ND 50.0 1 08/02/21 08/02/21 ND 50.0 1 08/02/21</td></td<>	Result Limit Dilution Prepared Analyzed mg/kg mg/kg Analyst: RKS ND 0.0250 1 08/02/21 08/03/21 ND 0.0500 1 08/02/21 08/03/21 ND 0.0250 1 08/02/21 08/03/21 ND 0.0250 1 08/02/21 08/03/21 mg/kg mg/kg Analyst: RKS ND 20.0 1 08/02/21 08/03/21 mg/kg mg/kg Analyst: JL 08/03/21 08/03/21 ND 25.0 1 08/02/21 08/02/21 ND 50.0 1 08/02/21 08/02/21 ND 50.0 1 08/02/21 08/02/21 ND 50.0 1 08/02/21



Pima Environmental Services-Carlsbad	Project Name:	Tex Mack 231	
PO Box 247	Project Number:	21064-0001	Reported:
Plains TX, 79355-0247	Project Manager:	Tom Bynum	8/4/2021 10:34:14AM

CS11

		ъ.				
		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Anal	lyst: RKS		Batch: 2132002
Benzene	ND	0.0250	1	08/02/21	08/03/21	
Ethylbenzene	ND	0.0250	1	08/02/21	08/03/21	
Toluene	ND	0.0250	1	08/02/21	08/03/21	
o-Xylene	ND	0.0250	1	08/02/21	08/03/21	
p,m-Xylene	ND	0.0500	1	08/02/21	08/03/21	
Total Xylenes	ND	0.0250	1	08/02/21	08/03/21	
Surrogate: 4-Bromochlorobenzene-PID		84.5 %	70-130	08/02/21	08/03/21	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Anal	lyst: RKS		Batch: 2132002
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/02/21	08/03/21	
Surrogate: 1-Chloro-4-fluorobenzene-FID		107 %	70-130	08/02/21	08/03/21	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Anal	lyst: JL		Batch: 2132003
Diesel Range Organics (C10-C28)	ND	25.0	1	08/02/21	08/02/21	
Oil Range Organics (C28-C36)	ND	50.0	1	08/02/21	08/02/21	
Surrogate: n-Nonane		98.0 %	50-200	08/02/21	08/02/21	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Anal	lyst: RAS		Batch: 2132006
Chloride	ND	20.0	1	08/03/21	08/03/21	



Pima Environmental Services-Carlsbad	Project Name:	Tex Mack 231	
PO Box 247	Project Number:	21064-0001	Reported:
Plains TX, 79355-0247	Project Manager:	Tom Bynum	8/4/2021 10:34:14AM

CS12

		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Anal	yst: RKS		Batch: 2132002
Benzene	ND	0.0250	1	08/02/21	08/03/21	
Ethylbenzene	ND	0.0250	1	08/02/21	08/03/21	
Toluene	ND	0.0250	1	08/02/21	08/03/21	
o-Xylene	ND	0.0250	1	08/02/21	08/03/21	
p,m-Xylene	ND	0.0500	1	08/02/21	08/03/21	
Total Xylenes	ND	0.0250	1	08/02/21	08/03/21	
Surrogate: 4-Bromochlorobenzene-PID		91.2 %	70-130	08/02/21	08/03/21	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Anal	yst: RKS		Batch: 2132002
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/02/21	08/03/21	
Surrogate: 1-Chloro-4-fluorobenzene-FID		107 %	70-130	08/02/21	08/03/21	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Anal	yst: JL		Batch: 2132003
Diesel Range Organics (C10-C28)	ND	25.0	1	08/02/21	08/02/21	
Oil Range Organics (C28-C36)	ND	50.0	1	08/02/21	08/02/21	
Surrogate: n-Nonane		100 %	50-200	08/02/21	08/02/21	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Anal	yst: RAS		Batch: 2132006
Chloride	ND	20.0	1	08/03/21	08/03/21	_



Pima Environmental Services-Carlsbad	Project Name:	Tex Mack 231	
PO Box 247	Project Number:	21064-0001	Reported:
Plains TX, 79355-0247	Project Manager:	Tom Bynum	8/4/2021 10:34:14AM

CS13

		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Anal	yst: RKS		Batch: 2132002
Benzene	ND	0.0250	1	08/02/21	08/03/21	
Ethylbenzene	ND	0.0250	1	08/02/21	08/03/21	
Toluene	ND	0.0250	1	08/02/21	08/03/21	
o-Xylene	ND	0.0250	1	08/02/21	08/03/21	
p,m-Xylene	ND	0.0500	1	08/02/21	08/03/21	
Total Xylenes	ND	0.0250	1	08/02/21	08/03/21	
Surrogate: 4-Bromochlorobenzene-PID		87.2 %	70-130	08/02/21	08/03/21	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Anal	yst: RKS		Batch: 2132002
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/02/21	08/03/21	
Surrogate: 1-Chloro-4-fluorobenzene-FID		105 %	70-130	08/02/21	08/03/21	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Anal	yst: JL		Batch: 2132003
Diesel Range Organics (C10-C28)	ND	25.0	1	08/02/21	08/02/21	
Oil Range Organics (C28-C36)	ND	50.0	1	08/02/21	08/02/21	
Surrogate: n-Nonane		80.8 %	50-200	08/02/21	08/02/21	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Anal	yst: RAS		Batch: 2132006
				08/03/21	08/04/21	



Pima Environmental Services-Carlsbad	Project Name:	Tex Mack 231	
PO Box 247	Project Number:	21064-0001	Reported:
Plains TX, 79355-0247	Project Manager:	Tom Bynum	8/4/2021 10:34:14AM

CS14

	Reporting				
Result	Limit	Dilutio	n Prepared	Analyzed	Notes
mg/kg	mg/kg	An	alyst: RKS		Batch: 2132002
ND	0.0250	1	08/02/21	08/03/21	
ND	0.0250	1	08/02/21	08/03/21	
ND	0.0250	1	08/02/21	08/03/21	
ND	0.0250	1	08/02/21	08/03/21	
ND	0.0500	1	08/02/21	08/03/21	
ND	0.0250	1	08/02/21	08/03/21	
	85.7 %	70-130	08/02/21	08/03/21	
mg/kg	mg/kg	An	alyst: RKS		Batch: 2132002
ND	20.0	1	08/02/21	08/03/21	
	108 %	70-130	08/02/21	08/03/21	
mg/kg	mg/kg	An	alyst: JL		Batch: 2132003
ND	25.0	1	08/02/21	08/02/21	
ND	50.0	1	08/02/21	08/02/21	
	79.5 %	50-200	08/02/21	08/02/21	
mg/kg	mg/kg	An	alyst: RAS		Batch: 2132006
ND	20.0	1	08/03/21	08/04/21	
	mg/kg ND ND ND ND ND ND ND ND ND Mg/kg ND mg/kg	Result Limit mg/kg mg/kg ND 0.0250 ND 0.0250 ND 0.0250 ND 0.0500 ND 0.0250 MD 0.0250 85.7 % mg/kg mg/kg mg/kg ND 20.0 108 % mg/kg ND 25.0 ND 50.0 79.5 % mg/kg mg/kg mg/kg	Result Limit Dilution mg/kg mg/kg An ND 0.0250 1 ND 0.0250 1 ND 0.0250 1 ND 0.0250 1 ND 0.0500 1 ND 0.0250 1 MD 0.0250 1 MD 20.0250 1 Instruction of the property of the pr	Result Limit Dilution Prepared mg/kg mg/kg Analyst: RKS ND 0.0250 1 08/02/21 ND 0.0250 1 08/02/21 ND 0.0250 1 08/02/21 ND 0.0250 1 08/02/21 ND 0.0500 1 08/02/21 ND 0.0250 1 08/02/21 mg/kg mg/kg Analyst: RKS ND 20.0 1 08/02/21 mg/kg mg/kg Analyst: JL ND 25.0 1 08/02/21 ND 25.0 1 08/02/21 ND 50.0 1 08/02/21 ND 50.0 1 08/02/21 ND 50.0 0 08/02/21 ND 50.0 0 08/02/21 ND 50.0 0 08/02/21 ND 50.0 0 08/02/21 ND <td< td=""><td>Result Limit Dilution Prepared Analyzed mg/kg mg/kg Analyst: RKS ND 0.0250 1 08/02/21 08/03/21 ND 0.0250 1 08/02/21 08/03/21 ND 0.0250 1 08/02/21 08/03/21 ND 0.0500 1 08/02/21 08/03/21 ND 0.0250 1 08/02/21 08/03/21 ND 0.0250 1 08/02/21 08/03/21 ND 0.0250 1 08/02/21 08/03/21 mg/kg mg/kg Analyst: RKS ND 20.0 1 08/02/21 08/03/21 mg/kg mg/kg Analyst: JL ND 08/03/21 ND 25.0 1 08/02/21 08/02/21 ND 50.0 1 08/02/21 08/02/21 ND 50.0 1 08/02/21 08/02/21 ND 50.0 1 08/02/21</td></td<>	Result Limit Dilution Prepared Analyzed mg/kg mg/kg Analyst: RKS ND 0.0250 1 08/02/21 08/03/21 ND 0.0250 1 08/02/21 08/03/21 ND 0.0250 1 08/02/21 08/03/21 ND 0.0500 1 08/02/21 08/03/21 ND 0.0250 1 08/02/21 08/03/21 ND 0.0250 1 08/02/21 08/03/21 ND 0.0250 1 08/02/21 08/03/21 mg/kg mg/kg Analyst: RKS ND 20.0 1 08/02/21 08/03/21 mg/kg mg/kg Analyst: JL ND 08/03/21 ND 25.0 1 08/02/21 08/02/21 ND 50.0 1 08/02/21 08/02/21 ND 50.0 1 08/02/21 08/02/21 ND 50.0 1 08/02/21



Pima Environmental Services-Carlsbad	Project Name:	Tex Mack 231	
PO Box 247	Project Number:	21064-0001	Reported:
Plains TX, 79355-0247	Project Manager:	Tom Bynum	8/4/2021 10:34:14AM

CS15

		D				
Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Anal	yst: RKS		Batch: 2132002
Benzene	ND	0.0250	1	08/02/21	08/03/21	
Ethylbenzene	ND	0.0250	1	08/02/21	08/03/21	
Toluene	ND	0.0250	1	08/02/21	08/03/21	
o-Xylene	ND	0.0250	1	08/02/21	08/03/21	
p,m-Xylene	ND	0.0500	1	08/02/21	08/03/21	
Total Xylenes	ND	0.0250	1	08/02/21	08/03/21	
Surrogate: 4-Bromochlorobenzene-PID		86.5 %	70-130	08/02/21	08/03/21	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Anal	yst: RKS		Batch: 2132002
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/02/21	08/03/21	
Surrogate: 1-Chloro-4-fluorobenzene-FID		107 %	70-130	08/02/21	08/03/21	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Anal	yst: JL		Batch: 2132003
Diesel Range Organics (C10-C28)	ND	25.0	1	08/02/21	08/02/21	
Oil Range Organics (C28-C36)	ND	50.0	1	08/02/21	08/02/21	
Surrogate: n-Nonane		88.6 %	50-200	08/02/21	08/02/21	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Anal	yst: RAS		Batch: 2132006
Chloride	ND	20.0		08/03/21	08/04/21	



Pima Environmental Services-Carlsbad	Project Name:	Tex Mack 231	
PO Box 247	Project Number:	21064-0001	Reported:
Plains TX, 79355-0247	Project Manager:	Tom Bynum	8/4/2021 10:34:14AM

CS16

		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Ana	ılyst: RKS		Batch: 2132002
Benzene	ND	0.0250	1	08/02/21	08/03/21	
Ethylbenzene	ND	0.0250	1	08/02/21	08/03/21	
Toluene	ND	0.0250	1	08/02/21	08/03/21	
o-Xylene	ND	0.0250	1	08/02/21	08/03/21	
p,m-Xylene	ND	0.0500	1	08/02/21	08/03/21	
Total Xylenes	ND	0.0250	1	08/02/21	08/03/21	
Surrogate: 4-Bromochlorobenzene-PID		91.5 %	70-130	08/02/21	08/03/21	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Ana	ılyst: RKS		Batch: 2132002
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/02/21	08/03/21	
Surrogate: 1-Chloro-4-fluorobenzene-FID		106 %	70-130	08/02/21	08/03/21	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Ana	ılyst: JL		Batch: 2132003
Diesel Range Organics (C10-C28)	ND	25.0	1	08/02/21	08/03/21	
Oil Range Organics (C28-C36)	ND	50.0	1	08/02/21	08/03/21	
Surrogate: n-Nonane		83.9 %	50-200	08/02/21	08/03/21	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Ana	ılyst: RAS		Batch: 2132006
	ND			08/03/21	08/04/21	



Pima Environmental Services-Carlsbad	Project Name:	Tex Mack 231	
PO Box 247	Project Number:	21064-0001	Reported:
Plains TX, 79355-0247	Project Manager:	Tom Bynum	8/4/2021 10:34:14AM

CS17

		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Ana	lyst: RKS		Batch: 2132002
Benzene	ND	0.0250	1	08/02/21	08/03/21	
Ethylbenzene	ND	0.0250	1	08/02/21	08/03/21	
Toluene	ND	0.0250	1	08/02/21	08/03/21	
o-Xylene	ND	0.0250	1	08/02/21	08/03/21	
p,m-Xylene	ND	0.0500	1	08/02/21	08/03/21	
Total Xylenes	ND	0.0250	1	08/02/21	08/03/21	
Surrogate: 4-Bromochlorobenzene-PID		87.4 %	70-130	08/02/21	08/03/21	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: RKS			Batch: 2132002
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/02/21	08/03/21	
Surrogate: 1-Chloro-4-fluorobenzene-FID		108 %	70-130	08/02/21	08/03/21	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Ana	lyst: JL		Batch: 2132003
Diesel Range Organics (C10-C28)	ND	25.0	1	08/02/21	08/03/21	
Oil Range Organics (C28-C36)	ND	50.0	1	08/02/21	08/03/21	
Surrogate: n-Nonane		79.1 %	50-200	08/02/21	08/03/21	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Ana	lyst: RAS		Batch: 2132006
·	ND	20.0		08/03/21	08/04/21	



Pima Environmental Services-Carlsbad	Project Name:	Tex Mack 231	
PO Box 247	Project Number:	21064-0001	Reported:
Plains TX, 79355-0247	Project Manager:	Tom Bynum	8/4/2021 10:34:14AM

CS18

	Reporting				
Result	Limit	Dilution	n Prepared	Analyzed	Notes
mg/kg	mg/kg	Ana	alyst: RKS		Batch: 2132002
ND	0.0250	1	08/02/21	08/03/21	
ND	0.0250	1	08/02/21	08/03/21	
ND	0.0250	1	08/02/21	08/03/21	
ND	0.0250	1	08/02/21	08/03/21	
ND	0.0500	1	08/02/21	08/03/21	
ND	0.0250	1	08/02/21	08/03/21	
	91.1 %	70-130	08/02/21	08/03/21	
mg/kg	mg/kg	Ana	alyst: RKS		Batch: 2132002
ND	20.0	1	08/02/21	08/03/21	
	105 %	70-130	08/02/21	08/03/21	
mg/kg	mg/kg	Ana	alyst: JL		Batch: 2132003
ND	25.0	1	08/02/21	08/03/21	
ND	50.0	1	08/02/21	08/03/21	
	96.7 %	50-200	08/02/21	08/03/21	
mg/kg	mg/kg	Ana	alyst: RAS		Batch: 2132006
	mg/kg ND	Result Limit mg/kg mg/kg ND 0.0250 ND 0.0250 ND 0.0250 ND 0.0250 ND 0.0500 ND 0.0250 MD 0.0250 MD 20.0250 Mg/kg mg/kg Mg/kg mg/kg ND 25.0 ND 50.0	Result Limit Dilution mg/kg mg/kg Ana ND 0.0250 1 ND 0.0250 1 ND 0.0250 1 ND 0.0250 1 ND 0.0500 1 ND 0.0250 1 MD 70-130 mg/kg mg/kg Ana ND 20.0 1 105 % 70-130 70-130 mg/kg mg/kg Ana ND 25.0 1 ND 50.0 1	Result Limit Dilution Prepared mg/kg mg/kg Analyst: RKS ND 0.0250 1 08/02/21 ND 0.0250 1 08/02/21 ND 0.0250 1 08/02/21 ND 0.0250 1 08/02/21 ND 0.0500 1 08/02/21 ND 0.0250 1 08/02/21 mg/kg mg/kg Analyst: RKS ND 20.0 1 08/02/21 mg/kg mg/kg Analyst: JL mg/kg mg/kg Analyst: JL ND 25.0 1 08/02/21 ND 50.0 1 08/02/21	Result Limit Dilution Prepared Analyzed mg/kg mg/kg Analyst: RKS ND 0.0250 1 08/02/21 08/03/21 ND 0.0250 1 08/02/21 08/03/21 ND 0.0250 1 08/02/21 08/03/21 ND 0.0500 1 08/02/21 08/03/21 ND 0.0250 1 08/02/21 08/03/21 ND 0.0250 1 08/02/21 08/03/21 mg/kg mg/kg Analyst: RKS ND 20.0 1 08/02/21 08/03/21 mg/kg mg/kg Analyst: RKS ND 20.0 1 08/02/21 08/03/21 mg/kg mg/kg Analyst: JL ND 25.0 1 08/02/21 08/03/21 ND 25.0 1 08/02/21 08/03/21 ND 50.0 1 08/02/21 08/03/21



QC Summary Data

Tex Mack 231 Pima Environmental Services-Carlsbad Project Name: Reported: PO Box 247 Project Number: 21064-0001 Plains TX, 79355-0247 Project Manager: Tom Bynum 8/4/2021 10:34:14AM **Volatile Organics by EPA 8021B** Analyst: RKS Reporting Spike Source Rec RPD Analyte Result Limit Level Result Rec Limits RPD Limit mg/kg mg/kg mg/kg mg/kg % % % % Notes Prepared: 08/02/21 Analyzed: 08/02/21 Blank (2132002-BLK1) ND 0.0250 ND Ethylbenzene 0.0250 Toluene ND 0.0250 ND o-Xylene 0.0250 ND p,m-Xylene 0.0500 Total Xylenes ND 0.0250 Surrogate: 4-Bromochlorobenzene-PID 6.96 8.00 87.0 70-130 Prepared: 08/02/21 Analyzed: 08/02/21 LCS (2132002-BS1) 5.12 102 70-130 5.00 Benzene 0.0250 Ethylbenzene 4.95 0.0250 5.00 99.0 70-130 5.20 0.0250 5.00 104 70-130 Toluene 102 o-Xylene 5.08 0.0250 5.00 70-130 10.1 10.0 101 70-130 0.0500 p.m-Xvlene 101 70-130 15.1 15.0 Total Xylenes 0.0250 8.00 86.9 70-130 Surrogate: 4-Bromochlorobenzene-PID 6.95 Prepared: 08/02/21 Analyzed: 08/02/21 Matrix Spike (2132002-MS1) Source: E108001-01 5.05 0.0250 5.00 ND 101 54-133 Benzene 61-133 Ethylbenzene 4.85 0.0250 5.00 ND 96.9 Toluene 5.11 0.0250 5.00 ND 102 61-130 4.99 ND 99.7 63-131 5.00 0.0250 o-Xylene p,m-Xylene 9.84 0.0500 10.0 ND 98.4 63-131 14.8 0.0250 15.0 ND 63-131 Total Xylenes Surrogate: 4-Bromochlorobenzene-PID 6.85 8.00 70-130 **Source: E108001-01** Prepared: 08/02/21 Analyzed: 08/02/21 Matrix Spike Dup (2132002-MSD1) 4.83 0.0250 5.00 ND 54-133 4.36 20 61-133 4.65 0.0250 5.00 ND 93.0 4.12 20 Ethylbenzene 61-130 Toluene 4 89 0.0250 5.00 ND 97.8 4 42 20 4.79 5.00 ND 95.9 63-131 3.95 20 o-Xylene 0.0250 94.5

10.0

15.0

8.00

0.0500

0.0250

ND

ND

95.0

87.0

63-131

63-131

70-130

4.04

4.01

20

20



p,m-Xylene

Total Xylenes

Surrogate: 4-Bromochlorobenzene-PID

9.45

14.2

6.96

QC Summary Data

Pima Environmental Services-Carlsbad	Project Name:	Tex Mack 231	Reported:
PO Box 247	Project Number:	21064-0001	
Plains TX, 79355-0247	Project Manager:	Tom Bynum	8/4/2021 10:34:14AM

Plains TX, 79355-0247		Project Manage	r: To	m Bynum				8/4/	2021 10:34:14AM
	Non	halogenated	Organics l	by EPA 80	15D - G	RO		A	nalyst: RKS
Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
Blank (2132002-BLK1)						Pre	pared: 08/0)2/21 Analyze	d: 08/02/21
Gasoline Range Organics (C6-C10)	ND	20.0							
Gurrogate: 1-Chloro-4-fluorobenzene-FID	7.97		8.00		99.7	70-130			
LCS (2132002-BS2)						Pre	pared: 08/0)2/21 Analyze	d: 08/02/21
Gasoline Range Organics (C6-C10)	53.1	20.0	50.0		106	70-130			
urrogate: 1-Chloro-4-fluorobenzene-FID	8.54		8.00		107	70-130			
Matrix Spike (2132002-MS2)				Sou	rce: E1080	001-01 Pre	pared: 08/0)2/21 Analyze	d: 08/02/21
Gasoline Range Organics (C6-C10)	54.4	20.0	50.0	ND	109	70-130			
urrogate: 1-Chloro-4-fluorobenzene-FID	8.68		8.00		109	70-130			
Matrix Spike Dup (2132002-MSD2)				Sou	rce: E1080	001-01 Pre	pared: 08/0)2/21 Analyze	d: 08/02/21
Gasoline Range Organics (C6-C10)	53.1	20.0	50.0	ND	106	70-130	2.24	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	8.56		8.00		107	70-130			



QC Summary Data

Pima Environmental Services-Carlsbad	Project Name:	Tex Mack 231	Reported:
PO Box 247	Project Number:	21064-0001	•
Plains TX, 79355-0247	Project Manager:	Tom Bynum	8/4/2021 10:34:14AM

Plains TX, 79355-0247		Project Manage	r: To	m Bynum				8	3/4/2021 10:34:14AM
	Nonha	logenated Or	ganics by	EPA 8015I) - DRO	/ORO			Analyst: JL
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
Blank (2132003-BLK1)						Pre	pared: 08/0)2/21 Analy	yzed: 08/02/21
Diesel Range Organics (C10-C28)	ND	25.0							
Dil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	50.1		50.0		100	50-200			
LCS (2132003-BS1)						Pre	pared: 08/0)2/21 Analy	zed: 08/02/21
Diesel Range Organics (C10-C28)	442	25.0	500		88.5	38-132			
Surrogate: n-Nonane	43.3		50.0		86.6	50-200			
Matrix Spike (2132003-MS1)				Sou	rce: E108	001-06 Pre	pared: 08/0)2/21 Analy	zed: 08/02/21
Diesel Range Organics (C10-C28)	450	25.0	500	ND	90.0	38-132			
Surrogate: n-Nonane	44.1		50.0		88.2	50-200			
Matrix Spike Dup (2132003-MSD1)				Sou	rce: E108	001-06 Pre	pared: 08/0)2/21 Analy	zed: 08/02/21
Diesel Range Organics (C10-C28)	468	25.0	500	ND	93.6	38-132	4.03	20	
Surrogate: n-Nonane	45.4		50.0		90.8	50-200			



Chloride

QC Summary Data

Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247		Project Name: Project Number: Project Manager:	21	ex Mack 231 1064-0001 om Bynum					Reported: 8/4/2021 10:34:14AM
,				300.0/9056 <i>A</i>	١				Analyst: RAS
Analyte	Result	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec	Rec Limits	RPD %	RPD Limit	Notes
Blank (2132006-BLK1)						Pre	epared: 08/0	03/21 Ana	lyzed: 08/03/21
Chloride LCS (2132006-BS1)	ND	20.0				Pre	epared: 08/0	03/21 Ana	lyzed: 08/03/21
Chloride	251	20.0	250		100	90-110			
Matrix Spike (2132006-MS1)				Sour	rce: E1080	001-01 Pre	epared: 08/0	03/21 Ana	lyzed: 08/03/21
Chloride	252	20.0	250	ND	101	80-120			
Matrix Spike Dup (2132006-MSD1)				Sour	rce: E1080	001-01 Pre	epared: 08/0	03/21 Ana	lyzed: 08/03/21

250

20.0

101

80-120

0.444

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:	Tex Mack 231	
PO Box 247	Project Number:	21064-0001	Reported:
Plains TX, 79355-0247	Project Manager:	Tom Bynum	08/04/21 10:34

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.



Attention: Pima Environmental Services lab WO# 2 Job Number 10 20 30 Standard Cw.	Page of 2										ly	of Custod		>				formation	Project Ir
Attention: Pima Environmental Services Sample Discriment Discrimental Services Sample Discrimental Services Discrimental Services Sample Discrimental Services Discrimental Services Sample Discrimental Services Discrime	EPA Program	TAT				ılv	se Or	lab U			Т		ill To	Bil	ces	I Servic	onment	ima Envi	Client: P
colect Manager: Tom Bynum didress: 1601 N Turner St., Suite 500 y, State, Zip Hobbs, NM, 88240 Phone: 575-964-7740 Email: tom@pimaoil.com port due by: Image Sampiel Matrix 7/29/kl Soil 1-4oz CSS CSS CSS CSS CSS CSS CSS C			1D 2D 3		ber	_				WO:	Lal	ervices	ironmental S	Attention: Pima Envi		231	iacK	Tex M	Project:
Phone: 575-964-7740 Email: mae@pimaoil.com Pima Project # Phone: 575-964-7740 Email: mae@pimaoil.com Pima Project # Pima Project # Pode of the sample		X			1000	64.	210		100	108	E					um	Tom Byr	lanager:	Project N
one: 580-748-1613 ali: tom@pimaoil.com pima Project # Pima Project # Lab Number Remail Rem	RCRA		d	hod	nd Meth	ysis ar	Analy					40							
hall: tom@pimaoil.com port dub by: Time Date mpled Sampled Matrix Containers Sample ID CS\ I - 4oz CS2 A CS3 CS4 CS5 CS5 CS5 CS6 CS7 A CSS CS9 CS9 CS9 CS9 CS9 CS9																88240			
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ple Matrix: S - Soil, Sd - Solid, Sg - Sludge, A - Aqueous, O - Other Container Type: g - glass, p - poly/plastic, ag - amber glass, v - VOA		- VOA	er glass, v - V	nber	ag - aml	lastic,	oly/pl	, p - p	glass	e: g -	r Typ	Containe			lueous, O - Other	dge, A - Aq	Solid, Sg - Si	ix: S - Soil, Sd	mple Matr
e: 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 taples 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.	or the analysis of the above	. The report for the and	nt expense. T	client			-												

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Project Information

Client: Pima Environmental Services		Bill	То			Lab Use Only					1		TAT		EPA P	rogram			
roject:	Tex /	Nack	23(Attention: Pima Envir	onmental Se					Jo	Job Number		1D	2D		Standard	CWA	SDWA
roject Manager: Tom Bynum ddress: 1601 N Turner St., Suite 500		Address: 1601 N Turner St., Suite 500 City, State, Zip Hobbs, NM, 88240			Lab WO# Job Number 21664 - 000						Х		RCRA						
			St., Suite M. 88240		City, State, Zip Hob Phone: 575-964-7740	<u>ibs, NM, 882</u> n	240	<u> </u>			An T	alysis	and Metho	od T		Т	-		RCRA
	580-748		IVI, 0.02+C		Email: mae@pimaoil	1		12	51									State	
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eport d					Pima Project #			RO b	RO b	ok 803	y 826	100 6	30	NN	¥		X		
Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID			Lab Number	DRO/ORO by 8015	GRO/DRO by 8	ВТЕХ ЬУ 8021	VOC by 8260	Metal	Caloride sou.o.	BGDOC	BGDOC			Remarks	
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Printed: 8/2/2021 9:47:01AM

Envirotech Analytical Laboratory

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:	07/31/21	18:30		Work Order ID:	E108001
Phone:	(575) 631-6977	Date Logged In:	08/02/21 (09:36		Logged In By:	Jessica Liesse
Email:	tom@pimaoil.com	Due Date:	08/04/21	17:00 (2 day TAT)			
	Custody (COC)		Yes				
	ne sample ID match the COC? The number of samples per sampling site location ma	atch the COC					
	amples dropped off by client or carrier?	iten the COC	Yes	a . a			
	• • • •	atad amalyaaa?	Yes Yes	Carrier: <u>S</u>	<u>. O.</u>		
	e COC complete, i.e., signatures, dates/times, requently samples received within holding time?	ested analyses?	Yes				
	Note: Analysis, such as pH which should be conducted i.e, 15 minute hold time, are not included in this disucss		165	Г		Comment	s/Resolution
	urn Around Time (TAT)		3.7				
	COC indicate standard TAT, or Expedited TAT?		Yes				
Sample C 7. Was a s	Cooler cample cooler received?		Yes				
8. If yes,	was cooler received in good condition?		Yes				
9. Was the	e sample(s) received intact, i.e., not broken?		Yes				
	custody/security seals present?		No				
	were custody/security seals intact?		NA				
12. Was th	e sample received on ice? If yes, the recorded temp is 4°C Note: Thermal preservation is not required, if samples a minutes of sampling	re received w/i 15	Yes				
13. If no v	visible ice, record the temperature. Actual sample	e temperature: 4°0	<u>C</u>				
Sample C	<u>Container</u>						
14. Are a	queous VOC samples present?		No				
15. Are V	OC 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 no	on-VOC samples collected in the correct containers	s?	Yes				
19. Is the a	appropriate volume/weight or number of sample conta	iners collected?	Yes				
	o <mark>el</mark> field sample labels filled out with the minimum inf ample ID?	ormation:	Yes				
	ate/Time Collected?		Yes	L			
C	ollectors name?		Yes				
Sample P	reservation_						
	the COC or field labels indicate the samples were p	reserved?	No				
	ample(s) correctly preserved?		NA				
24. Is lab	filteration required and/or requested for dissolved	metals?	No				
Multipha	se Sample Matrix						
26. Does	the sample have more than one phase, i.e., multiphe	ase?	No				
27. If yes,	does the COC specify which phase(s) is to be anal	lyzed?	NA				
Subcontr	act Laboratory						
	imples required to get sent to a subcontract laborate	ory?	No				
	subcontract laboratory specified by the client and	-	NA	Subcontract Lab	: NA		
Client Ir	<u>istruction</u>						

Date

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

Report to:
Tom Bynum



5796 U.S. Hwy 64 Farmington, NM 87401

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





envirotech

Practical Solutions for a Better Tomorrow

Analytical Report

Pima Environmental Services-Carlsbad

Project Name: Tex Mack #231

Work Order: E108025

Job Number: 21068-0001

Received: 8/11/2021

Revision: 1

Report Reviewed By:

Walter Hinchman Laboratory Director 8/16/21

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.

Partial or incomplete reproduction of this report is prohibited, unless approved by Envirotech Inc.

Envirotech Inc, holds the Utah TNI certification NM00979 for data reported.

Envirotech Inc, holds the Texas TNI certification T104704557 for data reported.

Date Reported: 8/16/21

Tom Bynum PO Box 247 Plains, TX 79355-0247

Project Name: Tex Mack #231

Workorder: E108025

Date Received: 8/11/2021 7:15:00PM

Tom Bynum,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 8/11/2021 7:15:00PM, under the Project Name: Tex Mack #231.

The analytical test results summarized in this report with the Project Name: Tex Mack #231 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 reguarding 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,

Walter Hinchman

Laboratory Director Office: 505-632-1881 Cell: 775-287-1762

whinchman@envirotech-inc.com

Raina Schwanz

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rainaschwanz@envirotech-inc.com

Alexa Michaels

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ljarboe@envirotech-inc.com

West Texas Midland/Odessa Area Tom Brown

Technical Representative Cell: 832-444-7704

tbrown@envirotech-inc.com

Envirotech Web Address: www.envirotech-inc.com

Table of Contents

Title Page	1
Cover Page	2
Table of Contents	3
Sample Summary	5
Sample Data	6
SW-1 6"	6
SW-2 6"	7
SW-3 6"	8
SW-4 6"	9
SW-5 6"	10
SW-6 6"	11
SW-7 6"	12
SW-8 6"	13
SW-9 6"	14
SW-10 6"	15
SW-11 6"	16
SW-12 6"	17
SW-13 6"	18
SW-14 6"	19
SW-15 6"	20
QC Summary Data	21
QC - Volatile Organics by EPA 8021B	21
QC - Nonhalogenated Organics by EPA 8015D - GRO	22
QC - Nonhalogenated Organics by EPA 8015D - DRO/ORO	23
OC - Anions by EPA 300 0/9056A	2/

Table of Contents (continued)

Definitions and Notes	25
Chain of Custody etc.	26

Sample Summary

Pima Environmental Services-Carlsbad	Project Name:	Tex Mack #231	Reported:
PO Box 247	Project Number:	21068-0001	Reported:
Plains TX, 79355-0247	Project Manager:	Tom Bynum	08/16/21 14:45

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
SW-1 6"	E108025-01A	Soil	08/09/21	08/11/21	Amber Glass Jar, 4 oz.
SW-2 6"	E108025-02A	Soil	08/09/21	08/11/21	Amber Glass Jar, 4 oz.
SW-3 6"	E108025-03A	Soil	08/09/21	08/11/21	Amber Glass Jar, 4 oz.
SW-4 6"	E108025-04A	Soil	08/09/21	08/11/21	Amber Glass Jar, 4 oz.
SW-5 6"	E108025-05A	Soil	08/09/21	08/11/21	Amber Glass Jar, 4 oz.
SW-6 6"	E108025-06A	Soil	08/09/21	08/11/21	Amber Glass Jar, 4 oz.
SW-7 6"	E108025-07A	Soil	08/09/21	08/11/21	Amber Glass Jar, 4 oz.
SW-8 6"	E108025-08A	Soil	08/09/21	08/11/21	Amber Glass Jar, 4 oz.
SW-9 6"	E108025-09A	Soil	08/09/21	08/11/21	Amber Glass Jar, 4 oz.
SW-10 6"	E108025-10A	Soil	08/09/21	08/11/21	Amber Glass Jar, 4 oz.
SW-11 6"	E108025-11A	Soil	08/09/21	08/11/21	Amber Glass Jar, 4 oz.
SW-12 6"	E108025-12A	Soil	08/09/21	08/11/21	Amber Glass Jar, 4 oz.
SW-13 6"	E108025-13A	Soil	08/09/21	08/11/21	Amber Glass Jar, 4 oz.
SW-14 6"	E108025-14A	Soil	08/09/21	08/11/21	Amber Glass Jar, 4 oz.
SW-15 6"	E108025-15A	Soil	08/09/21	08/11/21	Amber Glass Jar, 4 oz.



Pima Environmental Services-Carlsbad	Project Name:	Tex Mack #231	
PO Box 247	Project Number:	21068-0001	Reported:
Plains TX, 79355-0247	Project Manager:	Tom Bynum	8/16/2021 2:45:58PM

SW-1 6" E108025-01

		E100023-01				
Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Anal	yst: RKS		Batch: 2133030
Benzene	ND	0.0250	1	08/12/21	08/14/21	
Ethylbenzene	ND	0.0250	1	08/12/21	08/14/21	
Toluene	ND	0.0250	1	08/12/21	08/14/21	
o-Xylene	ND	0.0250	1	08/12/21	08/14/21	
p,m-Xylene	ND	0.0500	1	08/12/21	08/14/21	
Total Xylenes	ND	0.0250	1	08/12/21	08/14/21	
Surrogate: 4-Bromochlorobenzene-PID		92.6 %	70-130	08/12/21	08/14/21	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Anal	yst: RKS		Batch: 2133030
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/12/21	08/14/21	
Surrogate: 1-Chloro-4-fluorobenzene-FID		111 %	70-130	08/12/21	08/14/21	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Anal	yst: JL		Batch: 2133038
Diesel Range Organics (C10-C28)	ND	25.0	1	08/13/21	08/13/21	
Oil Range Organics (C28-C36)	ND	50.0	1	08/13/21	08/13/21	
Surrogate: n-Nonane		90.6 %	50-200	08/13/21	08/13/21	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Anal	yst: IY		Batch: 2133016
Chloride	30.6	20.0	1	08/13/21	08/13/21	



Pima Environmental Services-Carlsbad	Project Name:	Tex Mack #231	
PO Box 247	Project Number:	21068-0001	Reported:
Plains TX, 79355-0247	Project Manager:	Tom Bynum	8/16/2021 2:45:58PM

SW-2 6"

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		Reporting				
Analyte	Result	Limit	Dilutio	n Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	An	alyst: RKS		Batch: 2133030
Benzene	ND	0.0250	1	08/12/21	08/15/21	
Ethylbenzene	ND	0.0250	1	08/12/21	08/15/21	
Toluene	ND	0.0250	1	08/12/21	08/15/21	
o-Xylene	ND	0.0250	1	08/12/21	08/15/21	
p,m-Xylene	ND	0.0500	1	08/12/21	08/15/21	
Total Xylenes	ND	0.0250	1	08/12/21	08/15/21	
Surrogate: 4-Bromochlorobenzene-PID		89.4 %	70-130	08/12/21	08/15/21	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	An	alyst: RKS		Batch: 2133030
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/12/21	08/15/21	
Surrogate: 1-Chloro-4-fluorobenzene-FID		114 %	70-130	08/12/21	08/15/21	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	An	alyst: JL		Batch: 2133038
Diesel Range Organics (C10-C28)	ND	25.0	1	08/13/21	08/13/21	
Oil Range Organics (C28-C36)	ND	50.0	1	08/13/21	08/13/21	
Surrogate: n-Nonane		90.6 %	50-200	08/13/21	08/13/21	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	An	alyst: IY		Batch: 2133016
Chloride	43.5	40.0	2	08/13/21	08/13/21	



Pima Environmental Services-Carlsbad	Project Name:	Tex Mack #231	
PO Box 247	Project Number:	21068-0001	Reported:
Plains TX, 79355-0247	Project Manager:	Tom Bynum	8/16/2021 2:45:58PM

SW-3 6"

E108025-03

		Reporting				
Analyte	Result	Limit	Dilution	n Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Ana	alyst: RKS		Batch: 2133030
Benzene	ND	0.0250	1	08/12/21	08/15/21	
Ethylbenzene	ND	0.0250	1	08/12/21	08/15/21	
Toluene	ND	0.0250	1	08/12/21	08/15/21	
o-Xylene	ND	0.0250	1	08/12/21	08/15/21	
p,m-Xylene	ND	0.0500	1	08/12/21	08/15/21	
Total Xylenes	ND	0.0250	1	08/12/21	08/15/21	
Surrogate: 4-Bromochlorobenzene-PID		95.1 %	70-130	08/12/21	08/15/21	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Ana	alyst: RKS		Batch: 2133030
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/12/21	08/15/21	
Surrogate: 1-Chloro-4-fluorobenzene-FID		110 %	70-130	08/12/21	08/15/21	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Ana	alyst: JL		Batch: 2133038
Diesel Range Organics (C10-C28)	ND	25.0	1	08/13/21	08/13/21	
Oil Range Organics (C28-C36)	ND	50.0	1	08/13/21	08/13/21	
Surrogate: n-Nonane		85.8 %	50-200	08/13/21	08/13/21	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Ana	alyst: IY		Batch: 2133016
Chloride	134	40.0	2	08/13/21	08/13/21	· · · · · · · · · · · · · · · · · · ·



Pima Environmental Services-Carlsbad	Project Name:	Tex Mack #231	
PO Box 247	Project Number:	21068-0001	Reported:
Plains TX, 79355-0247	Project Manager:	Tom Bynum	8/16/2021 2:45:58PM

SW-4 6"

E108025-04

		Reporting				
Analyte	Result	Limit	Dilutio	n Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	An	alyst: RKS		Batch: 2133030
Benzene	ND	0.0250	1	08/12/21	08/15/21	
Ethylbenzene	ND	0.0250	1	08/12/21	08/15/21	
Toluene	ND	0.0250	1	08/12/21	08/15/21	
o-Xylene	ND	0.0250	1	08/12/21	08/15/21	
p,m-Xylene	ND	0.0500	1	08/12/21	08/15/21	
Total Xylenes	ND	0.0250	1	08/12/21	08/15/21	
Surrogate: 4-Bromochlorobenzene-PID		89.1 %	70-130	08/12/21	08/15/21	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	An	alyst: RKS		Batch: 2133030
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/12/21	08/15/21	
Surrogate: 1-Chloro-4-fluorobenzene-FID		113 %	70-130	08/12/21	08/15/21	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	An	alyst: JL		Batch: 2133038
Diesel Range Organics (C10-C28)	ND	25.0	1	08/13/21	08/13/21	
Oil Range Organics (C28-C36)	ND	50.0	1	08/13/21	08/13/21	
Surrogate: n-Nonane		91.7 %	50-200	08/13/21	08/13/21	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	An	alyst: IY		Batch: 2133016
Chloride	311	20.0	1	08/13/21	08/13/21	



Pima Environmental Services-Carlsbad	Project Name:	Tex Mack #231	
PO Box 247	Project Number:	21068-0001	Reported:
Plains TX, 79355-0247	Project Manager:	Tom Bynum	8/16/2021 2:45:58PM

SW-5 6"

E1	08025	-05

		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Anal	yst: RKS		Batch: 2133030
Benzene	ND	0.0250	1	08/12/21	08/15/21	
Ethylbenzene	ND	0.0250	1	08/12/21	08/15/21	
Toluene	ND	0.0250	1	08/12/21	08/15/21	
o-Xylene	ND	0.0250	1	08/12/21	08/15/21	
p,m-Xylene	ND	0.0500	1	08/12/21	08/15/21	
Total Xylenes	ND	0.0250	1	08/12/21	08/15/21	
Surrogate: 4-Bromochlorobenzene-PID		89.3 %	70-130	08/12/21	08/15/21	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Anal	yst: RKS		Batch: 2133030
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/12/21	08/15/21	
Surrogate: 1-Chloro-4-fluorobenzene-FID		114 %	70-130	08/12/21	08/15/21	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Anal	yst: JL		Batch: 2133038
Diesel Range Organics (C10-C28)	ND	25.0	1	08/13/21	08/13/21	
Oil Range Organics (C28-C36)	ND	50.0	1	08/13/21	08/13/21	
Surrogate: n-Nonane		89.8 %	50-200	08/13/21	08/13/21	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Anal	yst: IY		Batch: 2133016
Amons by ETA 300:0/7030A						



Pima Environmental Services-Carlsbad	Project Name:	Tex Mack #231	
PO Box 247	Project Number:	21068-0001	Reported:
Plains TX, 79355-0247	Project Manager:	Tom Bynum	8/16/2021 2:45:58PM

SW-6 6"

E108025-06

		Reporting				
Analyte	Result	Limit	Dilutio	on Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Ar	nalyst: RKS		Batch: 2133030
Benzene	ND	0.0250	1	08/12/21	08/15/21	
Ethylbenzene	ND	0.0250	1	08/12/21	08/15/21	
Toluene	ND	0.0250	1	08/12/21	08/15/21	
o-Xylene	ND	0.0250	1	08/12/21	08/15/21	
p,m-Xylene	ND	0.0500	1	08/12/21	08/15/21	
Total Xylenes	ND	0.0250	1	08/12/21	08/15/21	
Surrogate: 4-Bromochlorobenzene-PID		91.4 %	70-130	08/12/21	08/15/21	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Ar	nalyst: RKS		Batch: 2133030
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/12/21	08/15/21	
Surrogate: 1-Chloro-4-fluorobenzene-FID		112 %	70-130	08/12/21	08/15/21	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Ar	nalyst: JL		Batch: 2133038
Diesel Range Organics (C10-C28)	ND	25.0	1	08/13/21	08/13/21	
Oil Range Organics (C28-C36)	ND	50.0	1	08/13/21	08/13/21	
Surrogate: n-Nonane		92.0 %	50-200	08/13/21	08/13/21	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Ar	nalyst: IY		Batch: 2133016
Chloride	22.6	20.0	1	08/13/21	08/13/21	



Pima Environmental Services-Carlsbad	Project Name:	Tex Mack #231	
PO Box 247	Project Number:	21068-0001	Reported:
Plains TX, 79355-0247	Project Manager:	Tom Bynum	8/16/2021 2:45:58PM

SW-7 6"

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		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Ana	lyst: RKS		Batch: 2133030
Benzene	ND	0.0250	1	08/12/21	08/15/21	
Ethylbenzene	ND	0.0250	1	08/12/21	08/15/21	
Toluene	ND	0.0250	1	08/12/21	08/15/21	
o-Xylene	ND	0.0250	1	08/12/21	08/15/21	
p,m-Xylene	ND	0.0500	1	08/12/21	08/15/21	
Total Xylenes	ND	0.0250	1	08/12/21	08/15/21	
Surrogate: 4-Bromochlorobenzene-PID		92.6 %	70-130	08/12/21	08/15/21	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Ana	lyst: RKS		Batch: 2133030
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/12/21	08/15/21	
Surrogate: 1-Chloro-4-fluorobenzene-FID		112 %	70-130	08/12/21	08/15/21	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Ana	lyst: JL		Batch: 2133038
Diesel Range Organics (C10-C28)	ND	25.0	1	08/13/21	08/13/21	
Oil Range Organics (C28-C36)	ND	50.0	1	08/13/21	08/13/21	
Surrogate: n-Nonane		79.5 %	50-200	08/13/21	08/13/21	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Ana	lyst: IY		Batch: 2133016
· · · · · · · · · · · · · · · · · · ·	172			08/13/21	08/13/21	



Pima Environmental Services-Carlsbad	Project Name:	Tex Mack #231	
PO Box 247	Project Number:	21068-0001	Reported:
Plains TX, 79355-0247	Project Manager:	Tom Bynum	8/16/2021 2:45:58PM

SW-8 6"

E108025-08

		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Anal	yst: RKS		Batch: 2133030
Benzene	ND	0.0250	1	08/12/21	08/15/21	
Ethylbenzene	ND	0.0250	1	08/12/21	08/15/21	
Toluene	ND	0.0250	1	08/12/21	08/15/21	
o-Xylene	ND	0.0250	1	08/12/21	08/15/21	
p,m-Xylene	ND	0.0500	1	08/12/21	08/15/21	
Total Xylenes	ND	0.0250	1	08/12/21	08/15/21	
Surrogate: 4-Bromochlorobenzene-PID		89.5 %	70-130	08/12/21	08/15/21	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Anal	yst: RKS		Batch: 2133030
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/12/21	08/15/21	
Surrogate: 1-Chloro-4-fluorobenzene-FID		112 %	70-130	08/12/21	08/15/21	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Anal	yst: JL		Batch: 2133038
Diesel Range Organics (C10-C28)	ND	25.0	1	08/13/21	08/13/21	
Oil Range Organics (C28-C36)	ND	50.0	1	08/13/21	08/13/21	
Surrogate: n-Nonane		88.6 %	50-200	08/13/21	08/13/21	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Anal	yst: IY		Batch: 2133016
Chloride	226	20.0	1	08/13/21	08/13/21	



Nonhalogenated Organics by EPA 8015D - DRO/ORO

Diesel Range Organics (C10-C28)

Oil Range Organics (C28-C36)

Anions by EPA 300.0/9056A

Surrogate: n-Nonane

Chloride

Sample Data

Pima Environmental Services-Carlsbad	Project Name:	Tex Mack #231	
PO Box 247	Project Number:	21068-0001	Reported:
Plains TX, 79355-0247	Project Manager:	Tom Bynum	8/16/2021 2:45:58PM

SW-9 6" E108025-09

Reporting Analyte Result Limit Dilution Analyzed Notes Prepared Analyst: RKS Batch: 2133030 mg/kg mg/kg Volatile Organics by EPA 8021B 08/12/21 08/15/21 ND 0.0250 Benzene 08/15/21 1 08/12/21 Ethylbenzene ND 0.0250ND 0.02501 08/12/21 08/15/21 Toluene 1 08/12/21 08/15/21 o-Xylene ND 0.02501 08/12/21 08/15/21 ND 0.0500 p,m-Xylene 08/12/21 08/15/21 0.0250 1 Total Xylenes ND 08/12/21 08/15/21 89.1 % 70-130 Surrogate: 4-Bromochlorobenzene-PID Analyst: RKS mg/kg Batch: 2133030 Nonhalogenated Organics by EPA 8015D - GRO mg/kg 08/15/21 ND 20.0 1 08/12/21 Gasoline Range Organics (C6-C10) Surrogate: 1-Chloro-4-fluorobenzene-FID 113 % 08/12/21 08/15/21 70-130 mg/kg mg/kg Analyst: JL Batch: 2133038

25.0

50.0

mg/kg

40.0

91.0 %

08/13/21

08/13/21

08/13/21

08/13/21

1

2

Analyst: IY

50-200

08/13/21

08/13/21

08/13/21

08/13/21

Batch: 2133016

ND

ND

mg/kg

ND



Pima Environmental Services-Carlsbad	Project Name:	Tex Mack #231	
PO Box 247	Project Number:	21068-0001	Reported:
Plains TX, 79355-0247	Project Manager:	Tom Bynum	8/16/2021 2:45:58PM

SW-10 6"

E108025-10						
		Reporting				
Analyte	Result	Limit	Dilution	n Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Ana	alyst: RKS		Batch: 2133030
Benzene	ND	0.0250	1	08/12/21	08/15/21	
Ethylbenzene	ND	0.0250	1	08/12/21	08/15/21	
Toluene	ND	0.0250	1	08/12/21	08/15/21	
o-Xylene	ND	0.0250	1	08/12/21	08/15/21	
p,m-Xylene	ND	0.0500	1	08/12/21	08/15/21	
Total Xylenes	ND	0.0250	1	08/12/21	08/15/21	
Surrogate: 4-Bromochlorobenzene-PID		89.0 %	70-130	08/12/21	08/15/21	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Ana	alyst: RKS		Batch: 2133030
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/12/21	08/15/21	
Surrogate: 1-Chloro-4-fluorobenzene-FID		112 %	70-130	08/12/21	08/15/21	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Ana	alyst: JL		Batch: 2133038
Diesel Range Organics (C10-C28)	ND	25.0	1	08/13/21	08/13/21	
Oil Range Organics (C28-C36)	ND	50.0	1	08/13/21	08/13/21	
Surrogate: n-Nonane		87.3 %	50-200	08/13/21	08/13/21	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Ana	alyst: IY		Batch: 2133016
Chloride	ND	40.0	2	08/13/21	08/13/21	



Pima Environmental Services-Carlsbad	Project Name:	Tex Mack #231	
PO Box 247	Project Number:	21068-0001	Reported:
Plains TX, 79355-0247	Project Manager:	Tom Bynum	8/16/2021 2:45:58PM

SW-11 6"

		E108025-11				
		Reporting				
Analyte	Result	Limit	Dilution	n Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Ana	alyst: RKS		Batch: 2133030
Benzene	ND	0.0250	1	08/12/21	08/15/21	
Ethylbenzene	ND	0.0250	1	08/12/21	08/15/21	
Toluene	ND	0.0250	1	08/12/21	08/15/21	
o-Xylene	ND	0.0250	1	08/12/21	08/15/21	
p,m-Xylene	ND	0.0500	1	08/12/21	08/15/21	
Total Xylenes	ND	0.0250	1	08/12/21	08/15/21	
Surrogate: 4-Bromochlorobenzene-PID		89.4 %	70-130	08/12/21	08/15/21	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Ana	alyst: RKS		Batch: 2133030
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/12/21	08/15/21	
Surrogate: 1-Chloro-4-fluorobenzene-FID		112 %	70-130	08/12/21	08/15/21	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Ana	alyst: JL		Batch: 2133038
Diesel Range Organics (C10-C28)	ND	25.0	1	08/13/21	08/13/21	
Oil Range Organics (C28-C36)	ND	50.0	1	08/13/21	08/13/21	
Surrogate: n-Nonane		87.2 %	50-200	08/13/21	08/13/21	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Ana	alyst: IY		Batch: 2133016
Chloride	ND	100	5	08/13/21	08/13/21	



Pima Environmental Services-Carlsbad	Project Name:	Tex Mack #231	
PO Box 247	Project Number:	21068-0001	Reported:
Plains TX, 79355-0247	Project Manager:	Tom Bynum	8/16/2021 2:45:58PM

SW-12 6"

E108025-12

		Reporting				
Analyte	Result	Limit	Dilution	n Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Ana	alyst: RKS		Batch: 2133030
Benzene	ND	0.0250	1	08/12/21	08/15/21	
Ethylbenzene	ND	0.0250	1	08/12/21	08/15/21	
Toluene	ND	0.0250	1	08/12/21	08/15/21	
o-Xylene	ND	0.0250	1	08/12/21	08/15/21	
p,m-Xylene	ND	0.0500	1	08/12/21	08/15/21	
Total Xylenes	ND	0.0250	1	08/12/21	08/15/21	
Surrogate: 4-Bromochlorobenzene-PID		93.2 %	70-130	08/12/21	08/15/21	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Ana	alyst: RKS		Batch: 2133030
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/12/21	08/15/21	
Surrogate: 1-Chloro-4-fluorobenzene-FID		111 %	70-130	08/12/21	08/15/21	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Ana	alyst: JL		Batch: 2133038
Diesel Range Organics (C10-C28)	ND	25.0	1	08/13/21	08/14/21	
Oil Range Organics (C28-C36)	ND	50.0	1	08/13/21	08/14/21	
Surrogate: n-Nonane		89.3 %	50-200	08/13/21	08/14/21	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Ana	alyst: IY		Batch: 2133016
	246	20.0	-	08/13/21	08/13/21	



Pima Environmental Services-Carlsbad	Project Name:	Tex Mack #231	
PO Box 247	Project Number:	21068-0001	Reported:
Plains TX, 79355-0247	Project Manager:	Tom Bynum	8/16/2021 2:45:58PM

SW-13 6"

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		Reporting				
Analyte	Result	Limit	Dilution	n Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Ana	alyst: RKS		Batch: 2133030
Benzene	ND	0.0250	1	08/12/21	08/15/21	
Ethylbenzene	ND	0.0250	1	08/12/21	08/15/21	
Toluene	ND	0.0250	1	08/12/21	08/15/21	
o-Xylene	ND	0.0250	1	08/12/21	08/15/21	
p,m-Xylene	ND	0.0500	1	08/12/21	08/15/21	
Total Xylenes	ND	0.0250	1	08/12/21	08/15/21	
Surrogate: 4-Bromochlorobenzene-PID		91.6 %	70-130	08/12/21	08/15/21	
Nonhalogenated Organics by EPA 8015D - GRO		mg/kg	Ana	Analyst: RKS		Batch: 2133030
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/12/21	08/15/21	
Surrogate: 1-Chloro-4-fluorobenzene-FID		113 %	70-130	08/12/21	08/15/21	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Ana	alyst: JL		Batch: 2133038
Diesel Range Organics (C10-C28)	ND	25.0	1	08/13/21	08/14/21	
Oil Range Organics (C28-C36)	ND	50.0	1	08/13/21	08/14/21	
Surrogate: n-Nonane		90.9 %	50-200	08/13/21	08/14/21	
Anions by EPA 300.0/9056A		mg/kg	Analyst: IY			Batch: 2133016
Chloride	72.0	40.0	2	08/13/21	08/13/21	



Sample Data

Pima Environmental Services-Carlsbad	Project Name:	Tex Mack #231	
PO Box 247	Project Number:	21068-0001	Reported:
Plains TX, 79355-0247	Project Manager:	Tom Bynum	8/16/2021 2:45:58PM

SW-14 6"

		E108025-14				
		Reporting				
Analyte	Result	Limit	Dilutio	n Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	An	alyst: RKS		Batch: 2133030
Benzene	ND	0.0250	1	08/12/21	08/15/21	
Ethylbenzene	ND	0.0250	1	08/12/21	08/15/21	
Toluene	ND	0.0250	1	08/12/21	08/15/21	
o-Xylene	ND	0.0250	1	08/12/21	08/15/21	
p,m-Xylene	ND	0.0500	1	08/12/21	08/15/21	
Total Xylenes	ND	0.0250	1	08/12/21	08/15/21	
Surrogate: 4-Bromochlorobenzene-PID		97.3 %	70-130	08/12/21	08/15/21	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	An	alyst: RKS		Batch: 2133030
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/12/21	08/15/21	
Surrogate: 1-Chloro-4-fluorobenzene-FID		110 %	70-130	08/12/21	08/15/21	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	An	alyst: JL		Batch: 2133038
Diesel Range Organics (C10-C28)	ND	25.0	1	08/13/21	08/14/21	
Oil Range Organics (C28-C36)	ND	50.0	1	08/13/21	08/14/21	
Surrogate: n-Nonane		89.3 %	50-200	08/13/21	08/14/21	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	An	alyst: IY		Batch: 2133016
Chloride	197	20.0	1	08/13/21	08/13/21	



Sample Data

Pima Environmental Services-Carlsbad	Project Name:	Tex Mack #231	
PO Box 247	Project Number:	21068-0001	Reported:
Plains TX, 79355-0247	Project Manager:	Tom Bynum	8/16/2021 2:45:58PM

SW-15 6"

E108025-15

		Reporting				
Analyte	Result	Limit	Dilutio	n Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	An	alyst: RKS		Batch: 2133030
Benzene	ND	0.0250	1	08/12/21	08/15/21	
Ethylbenzene	ND	0.0250	1	08/12/21	08/15/21	
Toluene	ND	0.0250	1	08/12/21	08/15/21	
o-Xylene	ND	0.0250	1	08/12/21	08/15/21	
p,m-Xylene	ND	0.0500	1	08/12/21	08/15/21	
Total Xylenes	ND	0.0250	1	08/12/21	08/15/21	
Surrogate: 4-Bromochlorobenzene-PID		94.3 %	70-130	08/12/21	08/15/21	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	An	alyst: RKS		Batch: 2133030
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/12/21	08/15/21	
Surrogate: 1-Chloro-4-fluorobenzene-FID		110 %	70-130	08/12/21	08/15/21	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	An	alyst: JL		Batch: 2133038
Diesel Range Organics (C10-C28)	ND	25.0	1	08/13/21	08/14/21	
Oil Range Organics (C28-C36)	ND	50.0	1	08/13/21	08/14/21	
Surrogate: n-Nonane		90.6 %	50-200	08/13/21	08/14/21	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	An	alyst: IY		Batch: 2133016
Chloride	111	40.0	2	08/13/21	08/13/21	



QC Summary Data

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Pima Environmental Services-Carlsbac	d	Project Name: Project Number:		ex Mack #231 1068-0001					Reported:
Plains TX, 79355-0247		Project Manager:		om Bynum					8/16/2021 2:45:58PM
Tiding 111, 77333 0217									
		Volatile O	rganics l	by EPA 8021	B				Analyst: RKS
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
Blank (2133030-BLK1)						Pre	pared: 08/1	12/21 Ana	alyzed: 08/14/21
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: 4-Bromochlorobenzene-PID	7.51		8.00		93.9	70-130			
LCS (2133030-BS1)						Pre	pared: 08/1	12/21 Ana	alyzed: 08/14/21
Benzene	5.01	0.0250	5.00		100	70-130			
Ethylbenzene	4.88	0.0250	5.00		97.6	70-130			
Toluene	5.11	0.0250	5.00		102	70-130			
o-Xylene	5.01	0.0250	5.00		100	70-130			
p,m-Xylene	9.89	0.0500	10.0		98.9	70-130			
Total Xylenes	14.9	0.0250	15.0		99.3	70-130			
Surrogate: 4-Bromochlorobenzene-PID	7.32		8.00		91.5	70-130			
Matrix Spike (2133030-MS1)				Sour	ce: E108	025-01 Pre	pared: 08/1	12/21 Ana	alyzed: 08/14/21
Benzene	4.84	0.0250	5.00	ND	96.8	54-133			
Ethylbenzene	4.77	0.0250	5.00	ND	95.4	61-133			
Toluene	4.97	0.0250	5.00	ND	99.4	61-130			
o-Xylene	4.89	0.0250	5.00	ND	97.8	63-131			
p,m-Xylene	9.68	0.0500	10.0	ND	96.8	63-131			
Total Xylenes	14.6	0.0250	15.0	ND	97.2	63-131			
Surrogate: 4-Bromochlorobenzene-PID	7.51		8.00		93.9	70-130			
Matrix Spike Dup (2133030-MSD1)				Sour	ce: E108	025-01 Pre	pared: 08/1	12/21 Ana	alyzed: 08/15/21
Benzene	4.98	0.0250	5.00	ND	99.7	54-133	2.93	20	
Ethylbenzene	4.89	0.0250	5.00	ND	97.9	61-133	2.54	20	
Toluene	5.10	0.0250	5.00	ND	102	61-130	2.56	20	
o-Xylene	5.00	0.0250	5.00	ND	99.9	63-131	2.16	20	
p,m-Xylene	9.93	0.0500	10.0	ND	99.3	63-131	2.51	20	
T-4-1 V-1	14.0	0.0250	15.0	ND	00.5	62 121	2.20	20	



14.9

7.59

0.0250

15.0

8.00

ND

99.5

63-131

70-130

2.39

20

Total Xylenes

Surrogate: 4-Bromochlorobenzene-PID

QC Summary Data

Pima Environmental Services-Carlsbad	Project Name:	Tex Mack #231	Reported:
PO Box 247	Project Number:	21068-0001	•
Plains TX, 79355-0247	Project Manager:	Tom Bynum	8/16/2021 2:45:58PM

Plains TX, 79355-0247		Project Manage	r: To	m Bynum				8/1	5/2021 2:45:58PM
	Non	halogenated	Organics	by EPA 801	15D - G	RO		P	analyst: RKS
Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
Blank (2133030-BLK1)						Pre	pared: 08/1	2/21 Analyz	ed: 08/14/21
Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: 1-Chloro-4-fluorobenzene-FID	8.82		8.00		110	70-130			
LCS (2133030-BS2)						Pre	pared: 08/1	2/21 Analyzo	ed: 08/14/21
Gasoline Range Organics (C6-C10)	57.7	20.0	50.0		115	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	9.13		8.00		114	70-130			
Matrix Spike (2133030-MS2)				Sour	rce: E108	025-01 Pre	pared: 08/1	2/21 Analyze	ed: 08/15/21
Gasoline Range Organics (C6-C10)	60.2	20.0	50.0	ND	120	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	9.05		8.00		113	70-130			
Matrix Spike Dup (2133030-MSD2)				Sour	rce: E108	025-01 Pre	pared: 08/1	2/21 Analyze	ed: 08/15/21
Gasoline Range Organics (C6-C10)	57.2	20.0	50.0	ND	114	70-130	5.12	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	8.81		8.00		110	70-130			



QC Summary Data

Pima Environmental Services-Carlsbad	Project Name:	Tex Mack #231	Reported:
PO Box 247	Project Number:	21068-0001	•
Plains TX, 79355-0247	Project Manager:	Tom Bynum	8/16/2021 2:45:58PM

Plains TX, 79355-0247		Project Manage	r: To	m Bynum				8	/16/2021 2:45:58PM
	Nonha	logenated Or	ganics by	EPA 8015I) - DRO	/ORO			Analyst: JL
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
Blank (2133038-BLK1)						Pre	pared: 08/	13/21 Analy	zed: 08/13/21
Diesel Range Organics (C10-C28)	ND	25.0							
Dil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	44.5		50.0		88.9	50-200			
LCS (2133038-BS1)						Pre	pared: 08/	13/21 Analy	zed: 08/13/21
Diesel Range Organics (C10-C28)	450	25.0	500		90.0	38-132			
Surrogate: n-Nonane	42.5		50.0		85.1	50-200			
Matrix Spike (2133038-MS1)				Sou	rce: E108	025-09 Pre	pared: 08/	13/21 Analy	zed: 08/13/21
Diesel Range Organics (C10-C28)	455	25.0	500	ND	91.0	38-132			
Surrogate: n-Nonane	44.7		50.0		89.4	50-200			
Matrix Spike Dup (2133038-MSD1)				Sou	rce: E108	025-09 Pre	pared: 08/	13/21 Analy	zed: 08/13/21
Diesel Range Organics (C10-C28)	462	25.0	500	ND	92.3	38-132	1.42	20	
Surrogate: n-Nonane	44.3		50.0		88.5	50-200			



Matrix Spike Dup (2133016-MSD1)

Chloride

287

QC Summary Data

Pima Environmental Services-Carlsbad PO Box 247		Project Name: Project Number:		Tex Mack #231 21068-0001					Reported:
Plains TX, 79355-0247		Project Manager:	7	Tom Bynum				8	8/16/2021 2:45:58PM
		Anions	by EPA	300.0/9056A					Analyst: IY
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
Blank (2133016-BLK1)						Pre	pared: 08/	3/21 Anal	yzed: 08/13/21
Chloride	ND	20.0							
LCS (2133016-BS1)						Pre	pared: 08/1	3/21 Anal	yzed: 08/13/21
Chloride	251	20.0	250		100	90-110			
Matrix Spike (2133016-MS1)				Sour	ce: E108	025-01 Pre	pared: 08/1	3/21 Anal	yzed: 08/13/21
Chloride	315	20.0	250	30.6	114	80-120			

250

20.0

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.



Source: E108025-01 Prepared: 08/13/21 Analyzed: 08/13/21

9.34

20

80-120

103

30.6

Definitions and Notes

ſ	Pima Environmental Services-Carlsbad	Project Name:	Tex Mack #231	
١	PO Box 247	Project Number:	21068-0001	Reported:
l	Plains TX, 79355-0247	Project Manager:	Tom Bynum	08/16/21 14:45

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

	+		-
Page	1	of	2

Client: Pima Environmental Services				rices	Bill To S	PUR			La	ab Us	e Only	V				TA	T	EPA Progran	
Project: Tex Mack ## 231 Project Manager: Tom Bynum					Attention: Pima Environment	tal Services	Lab	WO#			Job Number			1D	2D	3D	Standard	CWA	SDWA
					Address: 1601 N Turner St.,		EI	080)ZS		_						X		
-	1601 N				City, State, Zip Hobbs, NM Phone: 575-964-7740	, 88240					Analys	is an	d Metho	d		-			RCRA
<u>City, State, Zip Hobbs, NM, 88240</u> Phone: 580-748-1613				.0	Email: mae@pimaoil.com			10										State	
Email: tom@pimaoil.com					Email: mae@pimaoii.com	le@pimaoii.com		8015	-			0					NMI CO	UT AZ	TX
Report o					Pima Project # 6-18		O by 8015	to by	8023	8260	5010	300		Σ Σ	×		X		
Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID		Lab Number	DRO/ORO	GRO/DRO	BTEX by {	VOC by 8260	Metals 6010	Chloride 300.0		BGDOC	верос			Remarks	
0730	8/9/21	Soil	1	SW-1 6"										X					
				SW-2 6"		2								1					
0735				SW-3 6"		3													
				SW-4 6"		4													
0740				SW-5 6"		2													
				SW-6 6"		le													
0745				SW-7 6"		7													
				SW-8 6"		8													
0750				SW-9 6"		9													
				SW-10 6"	1	10													
Addition	al Instru	ctions:																	
				nticity of this sample. I	am aware that tampering with or intentionally m	islabelling the sample	locati	ion,									eived on ice the day		ed or received
- Take 19 (11)	ed by: (Sign	that brillians was a	Dat	te Time	Received by: (Signature)	6- 8:10		Time		30	Recei	ived	on ice:		ab U	se Onl	ly		
Relinquish	ed by: (Sign	Jature)	Dat	te Time	130 Received by: (Signatura)	Date N		Time			T1		5,,,,,,,,	T2	, ,,		Т3		
Retinggist	ed by: (Sen	nature)	Dat		Received by: (Signature)	Chate		Time			AVG	Tem	ıp °C	4					
Sample Ma	trix: 5 - Soil, 5	d - Solid, Sg -	Sludge, A -	Aqueous, O - Other	5	Containe	г Тур	e: g -	glass,	p - p				er gla	ss, v	VOA	9		
Note: San	ples are dis	carded 30 c	lays after	results are reported i	unless other arrangements are made. Haza	ardous samples will	be re	turned	d to cli	ient o	r dispos	ed of	at the cli				eport for the an	alysis of the	above



Client: P	ima Envi	ronmen	tal Service	ces	Bill To	SPUR	Lab Use Only							TAT		EPA Program			
Project:	Project: Tex Mack #231				Attention: Pima Environmental Services			Lab WO#			Job Number			D	2D	3D	Standard	CWA	SDWA
	1anager: 1601 N			500	Address: 1601 N Turner St., Suite 500 City, State, Zip Hobbs, NM, 88240			E108052			Analysis and Method						X		RCRA
	e, Zip Ho				Phone: 575-964-7740	VI, 00240				Ť	Analy.	sis and iviet	Tiou	T					NCNA
Phone:	580-748-	1613			Email: mae@pimaoil.com		0115	015										State	
Email: tom@pimaoil.com				Pima Project # 6-18		by 8(by 80	121	09	10	0.001		Σ	¥		NM CO	UT AZ	TX	
Report d	ue by:		No. of		1,	Lab	DRO/ORO by 8015	GRO/DRO by 8015	BTEX by 8021	VOC by 8260	Metals 6010	Chloride 300.0							
Sampled	Sampled	Matrix	Containers	Sample ID		Numb	er 8	GRO	BTE	VOC	Met	Chlo		BGDOC	верос			Remarks	
0755	8/9/21	Soil	1	SW-11 6'		H								X					
				SW-12 6"		12													
0800				SW-13 6"		13			П										
				SW-14 6'		N								1					
0805				SW-15 6"		IS													
		-												,					
								H											
								-			-		+	+		-			
							+	-			-		-	-					
Addition	al Instruc	tions:																	
I, (field sam	oler), attest to	the validity	and authent	icity of this sample. I	am aware that tampering with or intentionally gal action. Sampled by: Seb	mislabelling the sam	ple locat	ion,									ved on ice the day C on subsequent da		led or receive
Relinquished by: (Signature) Date Time Received by: (Signature)					Date		Time	Time Lab Use Only											
7	and	5		8/10/21 1:	John Hall	0-10	15.0			0	Rece	eived on ic	e:	(V	/ N				
Relinquish	by: (Sign	ture)	— Date		Received by: (Signature)	Date 8/1	121	Time	9:1	5	T1		7	Г2			T3		
Reimaush	ed by: Signa	ature)	Date		Received by: (Signature)	Date		Time				Temp °C	4	•					
Sample Matrix: S - Soil, Sd - Solid, Sg - Sludge, A - Aqueous, O - Other					Control	Container Type: g - glass, p - poly/plastic, ag - amber glass, v - VOA													



envirotech Inc.

Printed: 8/11/2021 8:17:55PM

Envirotech Analytical Laboratory

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:	08/11/21	19:15	Work Order ID:	E108025
Phone:	(575) 631-6977	Date Logged In:	08/10/21	17:03	Logged In By:	Raina Schwanz
Email:	tom@pimaoil.com	Due Date:	08/16/21	17:00 (3 day TAT)	<i>.</i>	
Chain of	Custody (COC)					
	he sample ID match the COC?		Yes			
	he number of samples per sampling site location ma	tch the COC	Yes			
	samples dropped off by client or carrier?		Yes	Carrier: <u>Lab Carri</u>	<u>er</u>	
	ne COC complete, i.e., signatures, dates/times, reques	sted analyses?	Yes			
5. Were a	all samples received within holding time? Note: Analysis, such as pH which should be conducted in i.e, 15 minute hold time, are not included in this disucssi	•	Yes		<u>Comment</u>	s/Resolution
	Turn Around Time (TAT) e COC indicate standard TAT, or Expedited TAT?		Yes			
Sample	· •					
	sample cooler received?		Yes			
	was cooler received in good condition?		Yes			
•	ne sample(s) received intact, i.e., not broken?		Yes			
	custody/security seals present?		No			
	s, were custody/security seals intact?					
	he sample received on ice? If yes, the recorded temp is 4°C,	ia 60.120C	NA V			
	Note: Thermal preservation is not required, if samples ar minutes of sampling visible ice, record the temperature. Actual sample	e received w/i 15	Yes			
	Container	temperature. 1	<u>~</u>			
	equeous VOC samples present?		No			
	VOC samples collected in VOA Vials?		NA			
	e head space less than 6-8 mm (pea sized or less)?		NA			
	a trip blank (TB) included for VOC analyses?		NA			
	non-VOC samples collected in the correct containers	7	Yes			
	appropriate volume/weight or number of sample contain		Yes			
Field La		icis conceteu.	103			
	field sample labels filled out with the minimum info	ormation:				
	Sample ID?	, i i i i i i i i i i i i i i i i i i i	Yes			
	Date/Time Collected?		Yes			
(Collectors name?		No			
	<u>Preservation</u>					
21. Does	the COC or field labels indicate the samples were p	reserved?	No			
	ample(s) correctly preserved?		NA			
24. Is lat	o filteration required and/or requested for dissolved n	netals?	No			
Multiph	ase Sample Matrix					
26. Does	the sample have more than one phase, i.e., multipha	se?	No			
27. If yes	s, does the COC specify which phase(s) is to be analy	yzed?	NA			
Subcont	ract Laboratory					
	namples required to get sent to a subcontract laborato	ry?	No			
	a subcontract laboratory specified by the client and is	•	NA	Subcontract Lab: NA		
	nstruction					
Chenti	<u>iisti uction</u>					

Date

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

envirotech Inc.

Printed: 8/11/2021 8:17:55PM

Envirotech Analytical Laboratory

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.

	<u> </u>				•		
Client:	Pima Environmental Services-Carlsbad	Date Received:	08/11/21	19:15		Work Order ID:	E108025
Phone:	(575) 631-6977	Date Logged In:	08/10/21	17:03		Logged In By:	Raina Schwanz
Email:	tom@pimaoil.com	Due Date:	08/16/21	17:00 (3 day TAT)			
1. Does th 2. Does th 3. Were sa 4. Was the	Custody (COC) ne sample ID match the COC? ne number of samples per sampling site location ma namples dropped off by client or carrier? ne COC complete, i.e., signatures, dates/times, reque		Yes Yes Yes Yes	Carrier: <u>I</u>	.ab Carrier		
	Il samples received within holding time? Note: Analysis, such as pH which should be conducted i i.e, 15 minute hold time, are not included in this disucssi urn Around Time (TAT)		Yes			Comment	s/Resolution
	COC indicate standard TAT, or Expedited TAT?		Yes				
Sample C	• •						
7. Was a s	sample cooler received?		Yes				
8. If yes,	was cooler received in good condition?		Yes				
9. Was the	e 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				
	e sample received on ice? If yes, the recorded temp is 4°C Note: Thermal preservation is not required, if samples a minutes of sampling visible ice, record the temperature. Actual sample	re received w/i 15	Yes <u>C</u>				
Sample C	Container	_					
	queous VOC samples present?		No				
15. Are V	OC 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 no	on-VOC samples collected in the correct containers	?	Yes				
19. Is the a	appropriate volume/weight or number of sample contain	ners collected?	Yes				
Sa D	oel field sample labels filled out with the minimum info ample ID? ate/Time Collected? ollectors name?	ormation:	Yes Yes No				
	reservation_		110				
21. Does	the COC or field labels indicate the samples were p	reserved?	No				
22. Are sa	ample(s) correctly preserved?		NA				
24. Is lab	filteration required and/or requested for dissolved r	netals?	No				
<u>Multipha</u>	se Sample Matrix						
26. Does	the sample have more than one phase, i.e., multipha	ise?	No				
27. If yes,	, does the COC specify which phase(s) is to be anal	yzed?	NA				
28. Are sa	act Laboratory amples required to get sent to a subcontract laborate subcontract laboratory specified by the client and i	-	No NA	Subcontract Lab	o: NA		
Client In	<u>istruction</u>						

Date

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

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

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

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

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

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

CONDITIONS

Action 48659

CONDITIONS

Operator:	OGRID:
Pima Environmental Services, LLC	329999
1601 N. Turner	Action Number:
Hobbs, NM 88240	48659
	Action Type:
	[C-141] Release Corrective Action (C-141)

CONDITIONS

Created By	Condition	Condition Date
chensley	None	12/14/2021