



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

Accepted for the record.
Below the allowable quantity
per 19.15.29.7B NMAC.
Incident cancelled
- 10/02/2023

NV

June 14th, 2023

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

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

Re: Site Assessment, Remediation, and Closure Report
MCA #265
API No. 30-025-23686
GPS: Latitude 32.8190002 Longitude -103.790529
UL "K", Sec. 20, T17S, R32E
Lea County, NM
NMOCD Ref. No. nAPP2311055764

Pima Environmental Services, LLC (Pima) has been contracted by Maverick Permian, LLC to perform a spill assessment, remediation activities, and submit this closure report for a crude oil release that occurred at the MCA #265 (MCA). The initial C-141 was submitted on April 21st, 2023 (Appendix C). This incident was assigned Incident ID nAPP2311055764, by the New Mexico Oil Conservation Division (NMOCD).

Site Characterization

The MCA is located approximately three (3) miles southwest of Maljamar, NM. This spill site is in Unit K, Section 20, Township 17S, Range 32E, Latitude 32.8190002, Longitude -103.790529, Lea County, NM. Figure 1 references a location map.

Per the New Mexico Bureau of Geology and Mineral Resources, the geology is in the Eolian and piedmont deposits (Holocene to middle Pleistocene). The soil in this area is made up of Kermit soils and Dune land, 0 to 12 percent slopes according to the United States Department of Agriculture Natural Resources Conservation Service soil survey (Appendix B). The drainage courses in this area are well-drained. There is a low potential for karst geology to be present around the MCA (Figure 3).

According to the New Mexico Office of the State Engineer, depth to the nearest groundwater in this area is 81 feet below grade surface (BGS). According to the United States Geological Survey (USGS), the nearest groundwater is 48.14 feet BGS. The closest waterway is a salt playa located approximately 13.78 miles to the southwest of this location. See Appendix A for referenced water surveys.

Table 1 NMAC and Closure Criteria 19.15.29

Depth to Groundwater (Appendix A)	Constituent & Limits				
	Chlorides	Total TPH	GRO+DRO	BTEX	Benzene
<50' (No GW Data)	600 mg/kg	100 mg/kg		50 mg/kg	10 mg/kg
51-100'	10,000 mg/kg	2,500 mg/kg	1,000 mg/kg	50 mg/kg	10 mg/kg
>100'	20,000 mg/kg	2,500 mg/kg	1,000 mg/kg	50 mg/kg	10 mg/kg

Reference Figure 2 for a Topographic map.

Release Information

nAPP2311055764: On April 4th, 2023, a pin hole developed on a flowline, releasing approximately 3 barrels of crude oil. An area measuring approximately 10 feet by 20 feet was affected. A backhoe was deployed and scrapped up the standing fluid.

Site Assessment and Soil Sampling Results

On April 11th and 26th, 2023, Pima Environmental Services mobilized personnel to the site to conduct delineation activities. Pima collected a total of thirty-four soil samples, five bottom samples (S1-S5) were collected to verify vertical delineation, and nine side wall samples (SW1-SW9) to verify horizontal delineation. Sample results can be found in the table below. An initial site map can be found in Figure 4.

4-11-2023 and 4-26-2023 Soil Sample Results

NMOCD Table 1 Closure Criteria 19.15.29 NMAC (Depth to Groundwater is <50')								
MAVERICK PERMIAN - MCA 265								
Sample Date: 4/11/2023 and 4/26/2023		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	1'	1570	36.4	12900	27800	5350	46050	2640
	2'	591	6.44	5720	16700	3000	25420	2280
	3'	698	7.91	7160	18000	3250	28410	3000
	4'	1530	46.5	15200	30000	5400	50600	4080
	5'	1.54	ND	31.4	4590	2560	7181.4	5930
	6'	0.143	ND	ND	749	391	1140	342
	7'	0.248	ND	ND	250	142	392	139
	8'	0.121	ND	ND	ND	ND	0	ND
S-2	1'	0.401	ND	ND	585	71.7	656.7	2720
	2'	ND	ND	ND	24	ND	24	3720
	3'	ND	ND	ND	17.5	ND	17.5	4280
	4'	ND	ND	ND	37.7	ND	37.7	6640
	5'	0.811	ND	ND	375	2720	3095	5620
	6'	0.133	ND	ND	944	533	1477	498
	7'	0.199	ND	ND	344	187	531	216
	8'	0.122	ND	ND	ND	ND	0	ND
S-3	6"	ND	ND	ND	63.9	ND	63.9	96
	1'	ND	ND	ND	41.4	ND	41.4	48
S-4	6"	ND	ND	ND	ND	ND	0	16
	1'	ND	ND	ND	ND	ND	0	16
S-5	6"	ND	ND	ND	ND	ND	0	16
	1'	ND	ND	ND	ND	ND	0	16
SW 1	6"	ND	ND	ND	ND	ND	0	16
SW 2	6"	ND	ND	ND	ND	ND	0	ND
SW 3	6"	ND	ND	ND	ND	ND	0	ND
SW 4	6"	ND	ND	ND	ND	ND	0	ND
SW 5	6"	ND	ND	ND	ND	ND	0	ND
SW 6	6"	ND	ND	ND	ND	ND	0	ND
SW 7	6"	ND	ND	ND	ND	ND	0	ND
SW 8	6"	ND	ND	ND	ND	ND	0	ND
SW 9	6"	ND	ND	ND	ND	ND	0	ND
BG 1	6"	ND	ND	ND	ND	ND	0	ND

Nd: Non-Detect

Remediation Activities

On May 23rd, 2023, Pima mobilized personnel and equipment to conduct remedial activities. We excavated the area overlapping soil samples (S1-S2 and SW1-SW9) to a depth of 10 feet bgs. The total excavated area measures approximately 38 feet by 30 feet. Photographic documentation can be found in Appendix D.

On June 9th, 2023, after submitting the 48-hour notification (Appendix C), Pima collected confirmation samples. The laboratory results of this sampling event can be found in the following data table. A confirmation sample map can be found in Figure 5.

6-9-2023 Confirmation Soil Sample Results

NMOCD Table 1 Closure Criteria 19.15.29 NMAC (Depth to Groundwater is <50')								
MAVERICK PERMIAN - MCA 265								
Sample Date: 6/9/2023		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
CS 1	10'	ND	ND	ND	ND	ND	0	ND
CS 2	10'	ND	ND	ND	ND	ND	0	ND
CS 3	10'	ND	ND	ND	ND	ND	0	ND
CS 4	10'	ND	ND	ND	ND	ND	0	ND
CS 5	10'	ND	ND	ND	ND	ND	0	ND
CS 6	10'	ND	ND	ND	ND	ND	0	ND
CSW 1	0-10'	ND	ND	ND	ND	ND	0	ND
CSW 2	0-10'	ND	ND	ND	ND	ND	0	ND
CSW 3	0-10'	ND	ND	ND	ND	ND	0	ND
CSW 4	0-10'	ND	ND	ND	ND	ND	0	ND
CSW 5	0-10'	ND	ND	ND	ND	ND	0	ND
CSW 6	0-10'	ND	ND	ND	ND	ND	0	ND
CSW 7	0-10'	ND	ND	ND	ND	ND	0	ND
CSW 8	0-10'	ND	ND	ND	ND	ND	0	ND

ND- Analyte Not Detected

Complete laboratory reports can be found in Appendix E.

Closure Request

After careful review, Pima requests that this incident, nAPP2311055764, be closed. Maverick Permian, LLC 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 Sebastian Orozco at 619-721-4813 or Sebastian@pimaoil.com.

Respectfully,

Sebastian Orozco

Sebastian Orozco
Environmental Project Manager
Pima Environmental Services, LLC

Attachments

Figures:

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

Appendices:

- Appendix A – Referenced Water Surveys
- Appendix B – Soil Survey and Geological Data
- Appendix C – C-141 Form and 48-Hour Notification
- Appendix D – Photographic Documentation
- Appendix E – Laboratory Reports



Pima Environmental Services

Figures:

1-Location Map

2-Topographic Map

3-Karst Map



4-Site Map

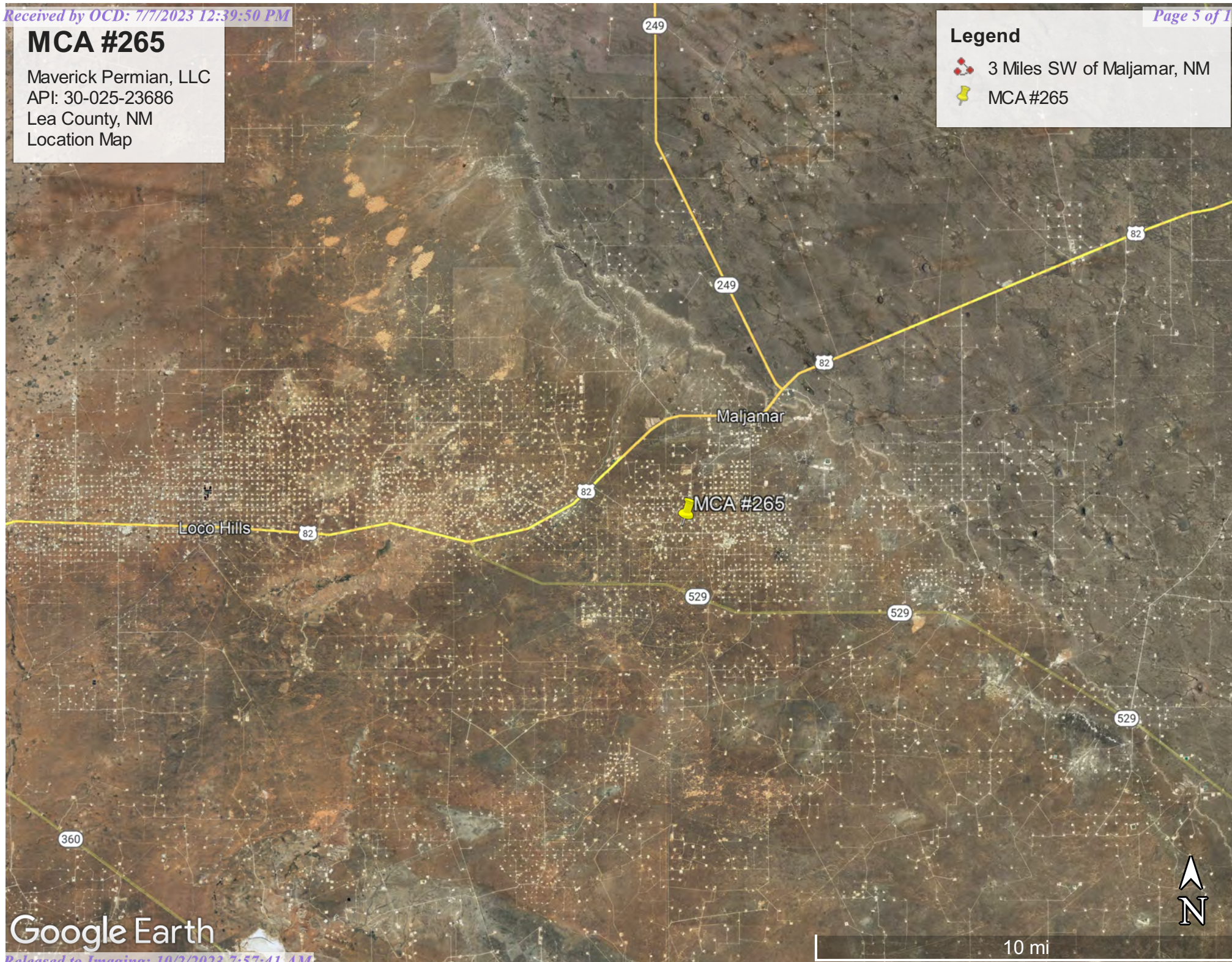
5-Confirmation Sample Map

MCA #265

Maverick Permian, LLC
API: 30-025-23686
Lea County, NM
Location Map

Legend

-  3 Miles SW of Maljamar, NM
-  MCA #265



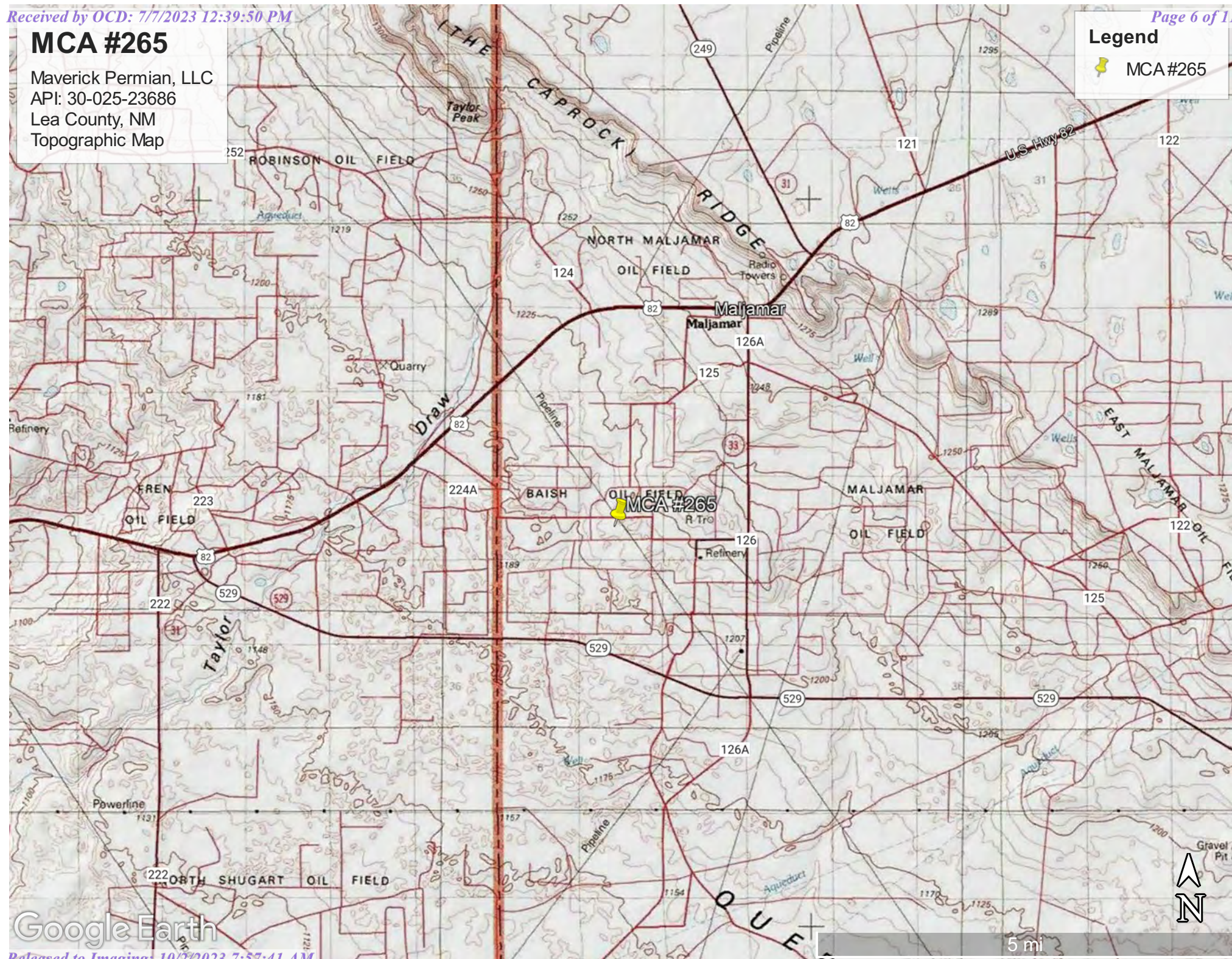
Google Earth

MCA #265

Maverick Permian, LLC
API: 30-025-23686
Lea County, NM
Topographic Map

Legend

 MCA#265





5 mi


MCA #265


Maverick Permian, LLC
API: 30-025-23686
Lea County, NM
Karst Map

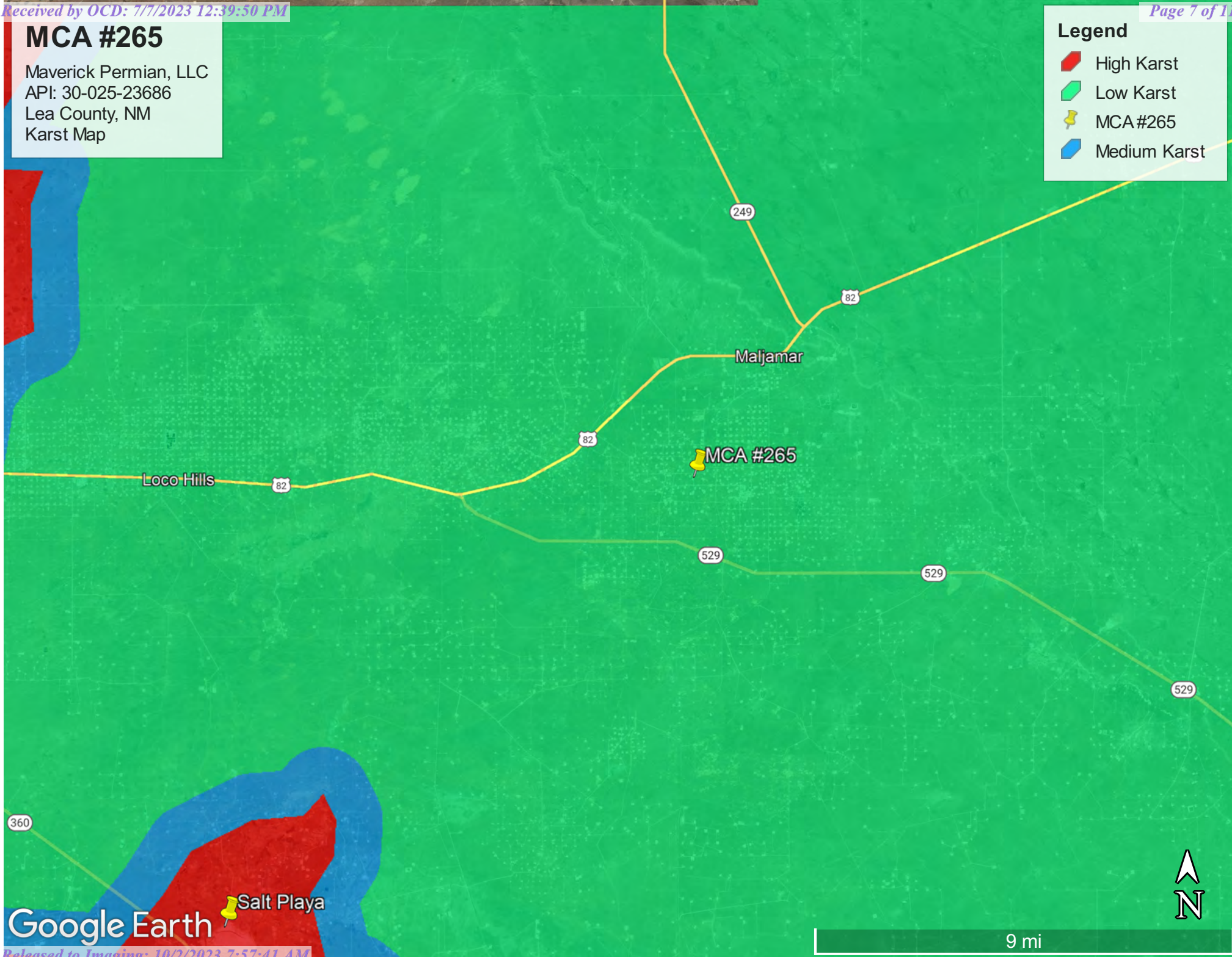
Legend

 High Karst

 Low Karst

 MCA#265

 Medium Karst



Google Earth

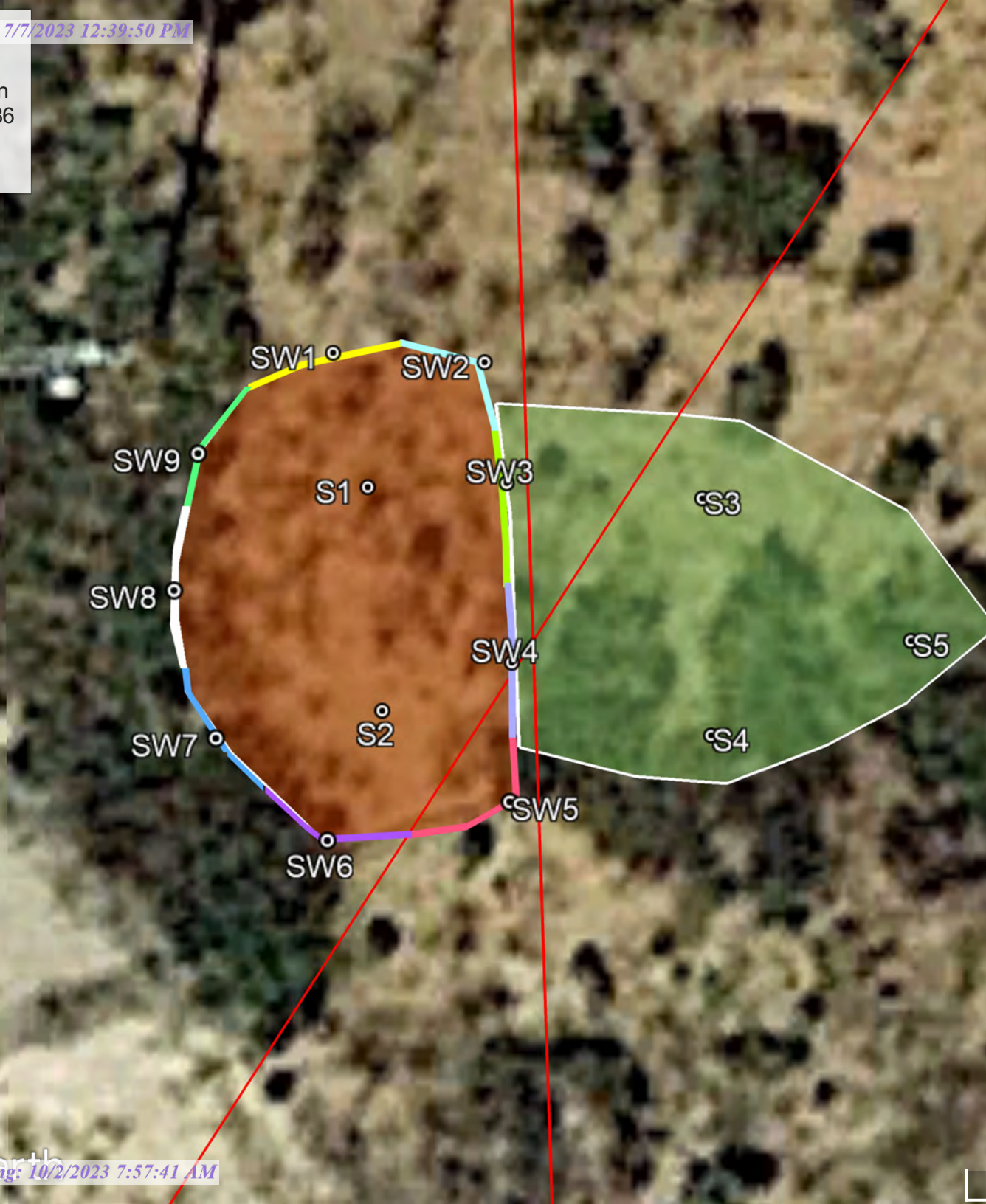
Salt Playa

MICA 265

Maverick Permian
API: 30-025-23686
Lea County, NM
Site Map

Legend

- Overspray Area
- Poly Line
- Release Area
- Soil Sample
- SW1
- SW2
- SW3
- SW4
- SW5
- SW6
- SW7
- SW8
- SW9

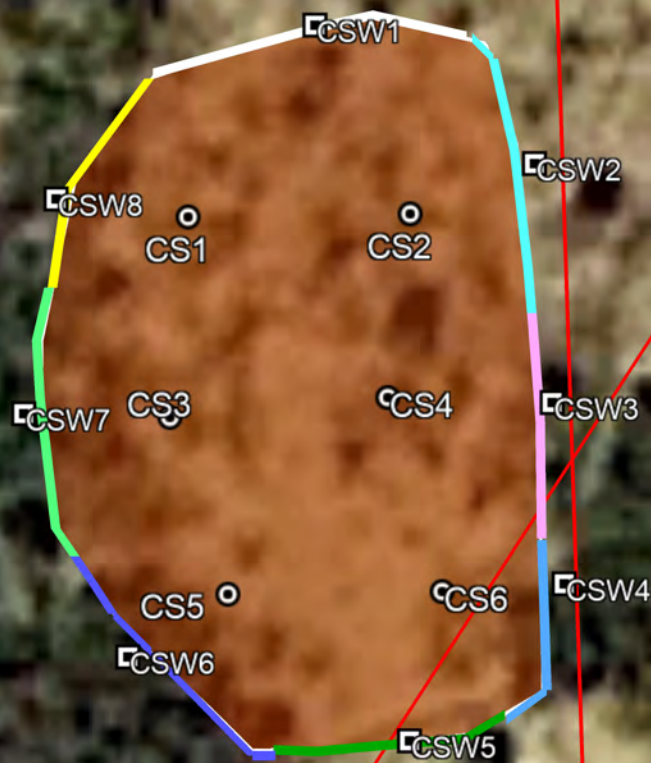


MCA 265

Maverick Permian
API: 30-025-23686
Lea County, NM
Confirmation Sample Map

Legend

- Confirmation Bottom Sample
- Confirmation Side Wall Sample
- CSW1
- CSW2
- CSW3
- CSW4
- CSW5
- CSW6
- CSW7
- CSW8
- Poly Line
- Release Area



30 ft



Pima Environmental Services

Appendix A

Water Surveys:

OSE

USGS

Surface Water Map



New Mexico Office of the State Engineer

Water Column/Average Depth to Water

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

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

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

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

(In feet)

POD Number	Code	POD Sub-basin	County	Q 64	Q 16	Q 4	Sec	Tw	Rng	X	Y	Distance	DepthWell	DepthWater	Water Column
RA 12042 POD1		RA	LE	2	2	1	28	17S	32E	614891	3631181	1808	400		
RA 10175		RA	LE		2	1	28	17S	32E	614814	3631005*	1814	158		
RA 13234 POD1		RA	LE	1	4	1	19	17S	32E	611435	3632294	1833	104		
RA 12020 POD1		RA	LE	2	2	1	28	17S	32E	614828	3630954	1850	120	81	39
RA 12522 POD1		RA	LE	3	3	4	21	17S	32E	614941	3631122	1876	100		
RA 12522 POD2		RA	LE	2	2	1	28	17S	32E	614949	3631098	1894	100		
RA 12522 POD3		RA	LE	4	4	3	28	17S	32E	614980	3631093	1924	100		
RA 12521 POD1		RA	LE	3	3	4	21	17S	32E	615127	3631271	1999	105	92	13

Average Depth to Water:

86 feet

Minimum Depth:

81 feet

Maximum Depth:

92 feet

Record Count: 8

UTM NAD83 Radius Search (in meters):

Easting (X): 613218.52

Northing (Y): 3631868.7

Radius: 2000

*UTM location was derived from PLSS - see Help

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

4/20/23 11:54 AM

WATER COLUMN/ AVERAGE DEPTH TO WATER



[USGS Home](#)
[Contact USGS](#)
[Search USGS](#)

National Water Information System: Web Interface

USGS Water Resources

Data Category:


Groundwater ▼

Geographic Area:

United States ▼

GO

Click to hide News Bulletins

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

Groundwater levels for the Nation



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

Search Results -- 1 sites found

site_no list =

- 325028103441301

Minimum number of levels = 1

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

USGS 325028103441301 17S.32E.11.34332

Available data for this site

Groundwater: Field measurements ▼

GO

Lea County, New Mexico

Hydrologic Unit Code 13060011

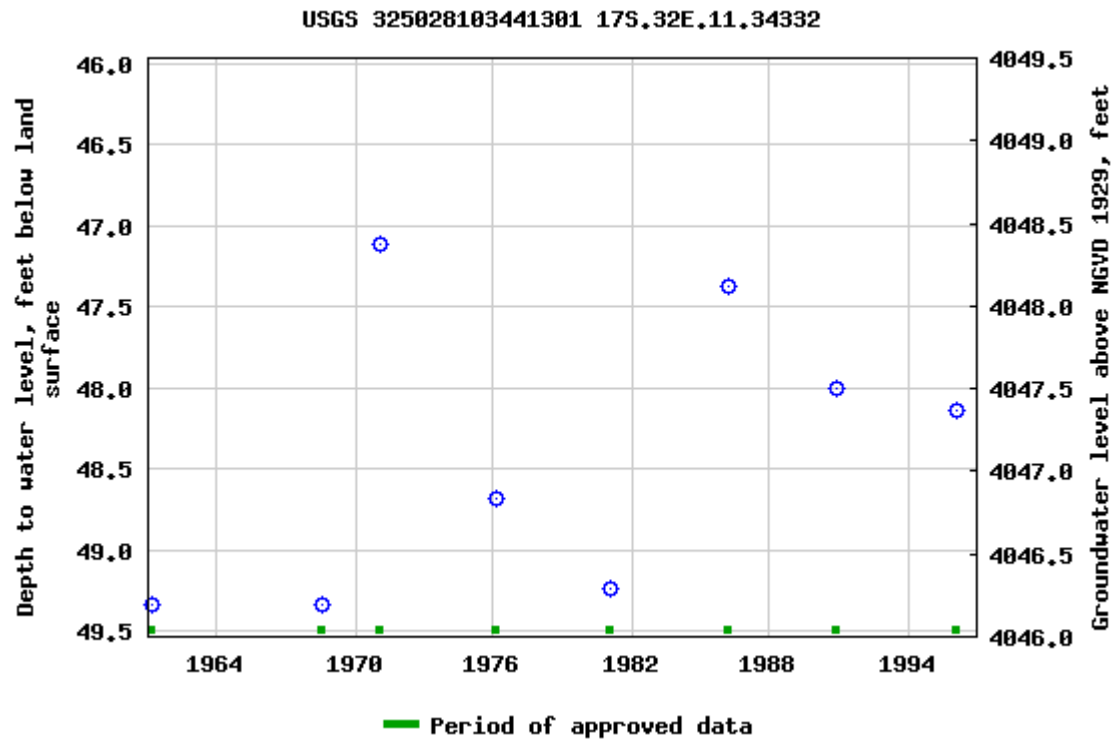
Latitude 32°50'32", Longitude 103°44'24" NAD27

Land-surface elevation 4,095.50 feet above NGVD29

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

This well is completed in the Ogallala Formation (121OGLL) local aquifer.

Output formats

[Table of data](#)
[Tab-separated data](#)
[Graph of data](#)
[Reselect period](#)


Breaks in the plot represent a gap of at least one year between field measurements.

[Download a presentation-quality graph](#)

[Questions or Comments](#)

[Automated retrievals](#)

[Help](#)

[Data Tips](#)

[Explanation of terms](#)

[Subscribe for system changes](#)

[News](#)

[Accessibility](#) [FOIA](#) [Privacy](#) [Policies and Notices](#)

[U.S. Department of the Interior](#) | [U.S. Geological Survey](#)

Title: Groundwater for USA: Water Levels

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



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



Page Last Modified: 2023-06-12 16:31:37 EDT

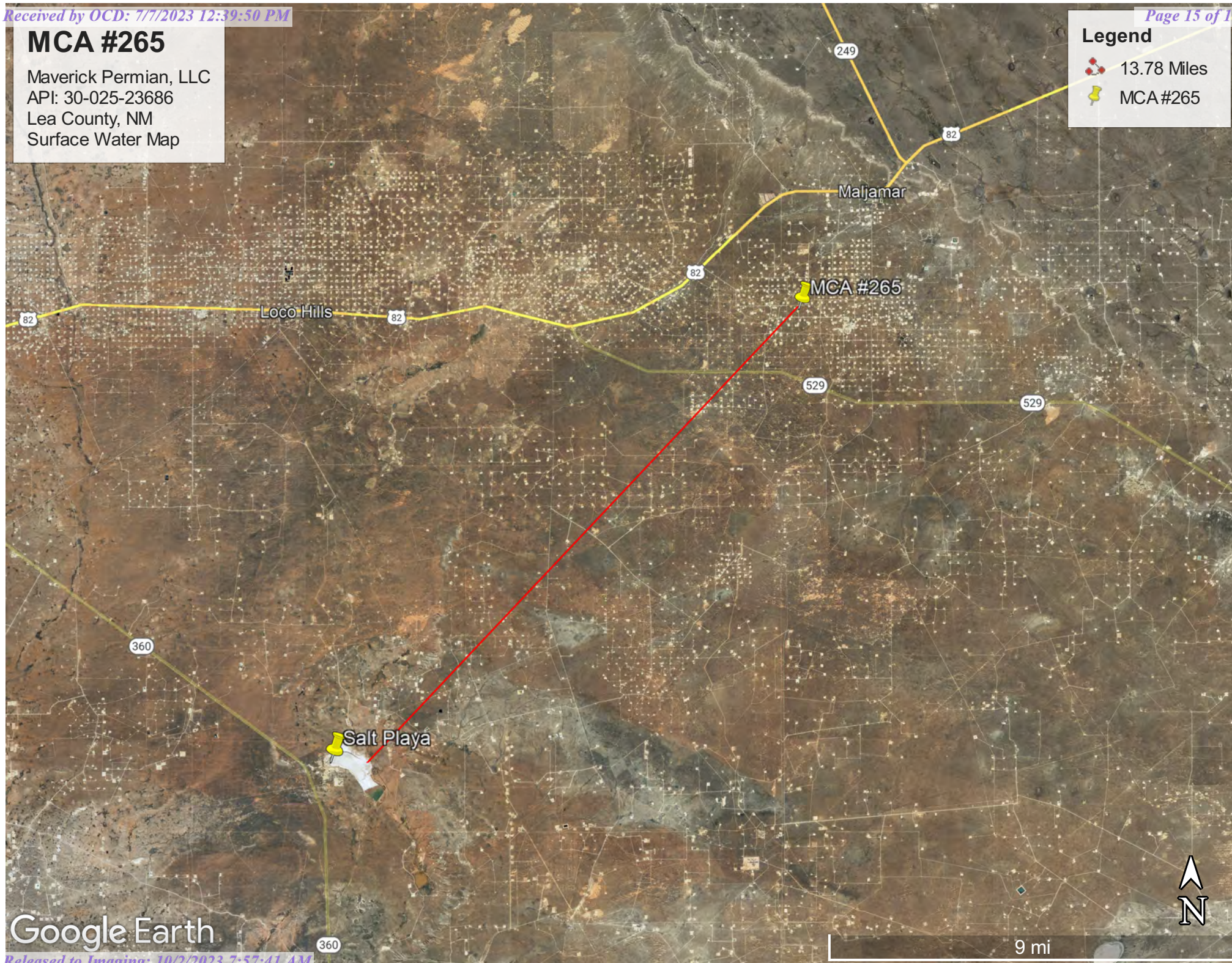
0.59 0.5 nadww01

MCA #265

Maverick Permian, LLC
API: 30-025-23686
Lea County, NM
Surface Water Map

Legend

-  13.78 Miles
-  MCA #265



Google Earth



Pima Environmental Services

Appendix B

Soil Survey & Geological Data

FEMA Flood Map

Wetlands Map

Map Unit Description: Kermit soils and Dune land, 0 to 12 percent slopes---Lea County, New Mexico

Lea County, New Mexico

KM—Kermit soils and Dune land, 0 to 12 percent slopes

Map Unit Setting

National map unit symbol: dmpx

Elevation: 3,000 to 4,400 feet

Mean annual precipitation: 10 to 15 inches

Mean annual air temperature: 60 to 62 degrees F

Frost-free period: 190 to 205 days

Farmland classification: Not prime farmland

Map Unit Composition

Kermit and similar soils: 46 percent

Dune land: 44 percent

Minor components: 10 percent

Estimates are based on observations, descriptions, and transects of the mapunit.

Description of Kermit

Setting

Landform: Dunes

Landform position (two-dimensional): Shoulder, backslope, footslope

Landform position (three-dimensional): Side slope

Down-slope shape: Convex, linear, concave

Across-slope shape: Convex

Parent material: Calcareous sandy eolian deposits derived from sedimentary rock

Typical profile

A - 0 to 8 inches: fine sand

C - 8 to 60 inches: fine sand

Properties and qualities

Slope: 5 to 12 percent

Depth to restrictive feature: More than 80 inches

Drainage class: Excessively drained

Runoff class: Very low

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

Calcium carbonate, maximum content: 3 percent

Gypsum, maximum content: 1 percent

Maximum salinity: Nonsaline to very slightly saline (0.0 to 2.0 mmhos/cm)

Sodium adsorption ratio, maximum: 2.0

Available water supply, 0 to 60 inches: Low (about 3.1 inches)

Map Unit Description: Kermit soils and Dune land, 0 to 12 percent slopes---Lea County, New Mexico

Interpretive groups

Land capability classification (irrigated): None specified

Land capability classification (nonirrigated): 7e

Hydrologic Soil Group: A

Ecological site: R070BC022NM - Sandhills

Hydric soil rating: No

Description of Dune Land**Setting**

Landform: Dunes

Landform position (two-dimensional): Shoulder, backslope, footslope

Landform position (three-dimensional): Side slope

Down-slope shape: Convex, linear, concave

Across-slope shape: Convex

Parent material: Sandy eolian deposits derived from sedimentary rock

Typical profile

A - 0 to 6 inches: fine sand

C - 6 to 60 inches: fine sand

Interpretive groups

Land capability classification (irrigated): None specified

Land capability classification (nonirrigated): 8

Hydrologic Soil Group: A

Hydric soil rating: No

Minor Components**Palomas**

Percent of map unit: 3 percent

Ecological site: R070BD003NM - Loamy Sand

Hydric soil rating: No

Pyote

Percent of map unit: 3 percent

Ecological site: R070BD003NM - Loamy Sand

Hydric soil rating: No

Wink

Percent of map unit: 2 percent

Ecological site: R070BD003NM - Loamy Sand

Hydric soil rating: No

Maljamar

Percent of map unit: 2 percent

Ecological site: R070BD003NM - Loamy Sand

Map Unit Description: Kermit soils and Dune land, 0 to 12 percent slopes---Lea County, New Mexico

Hydric soil rating: No

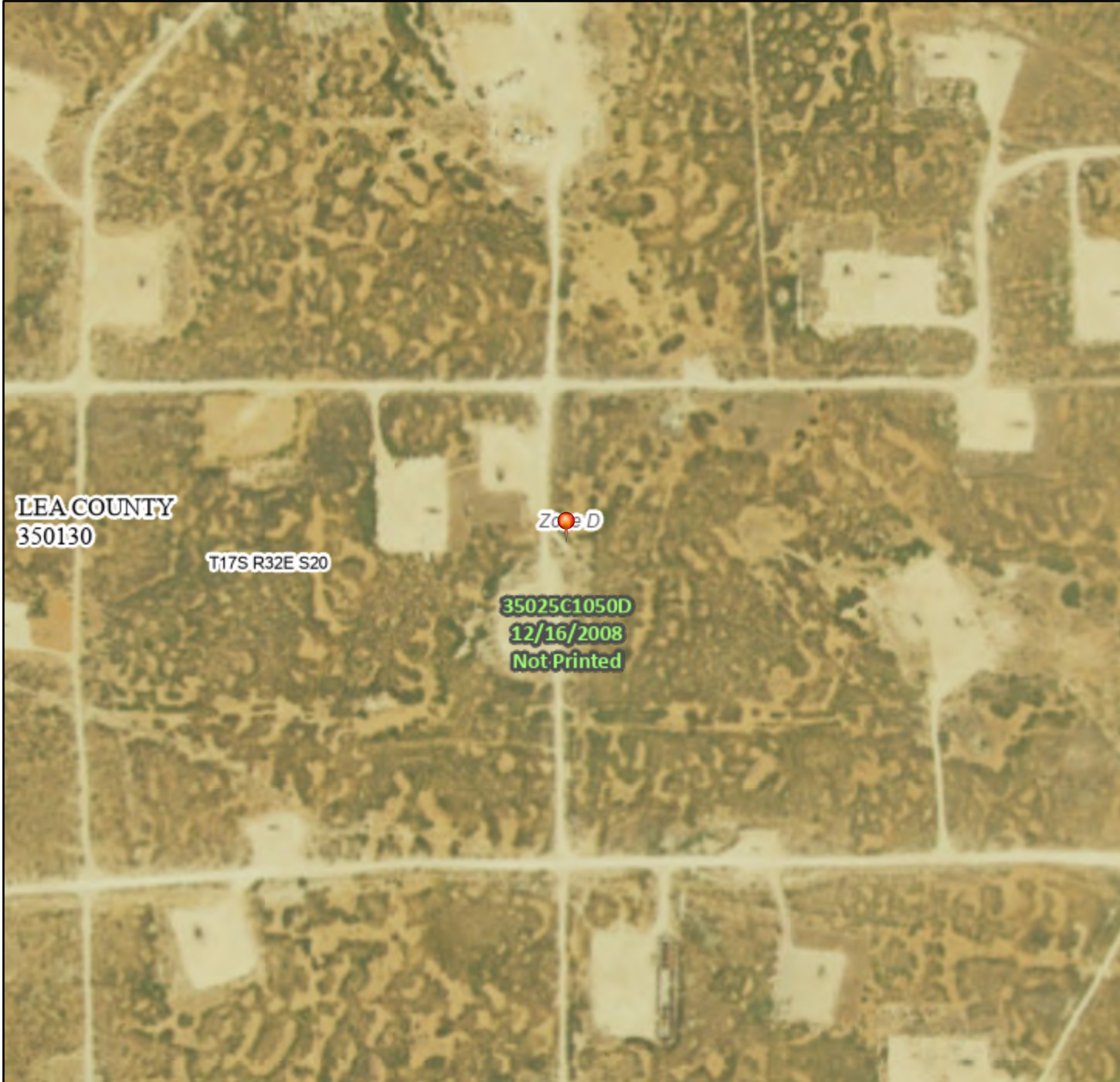
Data Source Information

Soil Survey Area: Lea County, New Mexico
Survey Area Data: Version 19, Sep 8, 2022

National Flood Hazard Layer FIRMette



103°47'45"W 32°49'24"N



Legend

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

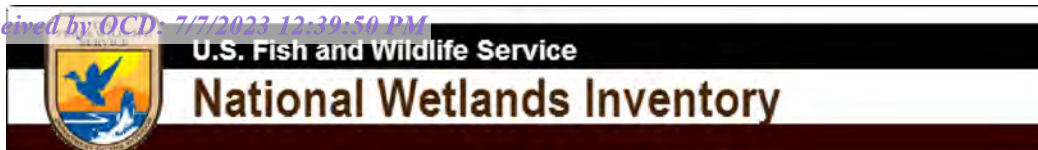
SPECIAL FLOOD HAZARD AREAS		Without Base Flood Elevation (BFE) Zone A, V, A99
		With BFE or Depth Zone AE, AO, AH, VE, AR
		Regulatory Floodway
OTHER AREAS OF FLOOD HAZARD		0.2% Annual Chance Flood Hazard, Areas of 1% annual chance flood with average depth less than one foot or with drainage areas of less than one square mile Zone X
		Future Conditions 1% Annual Chance Flood Hazard Zone X
		Area with Reduced Flood Risk due to Levee. See Notes. Zone X
		Area with Flood Risk due to Levee Zone D
OTHER AREAS		NO SCREEN Area of Minimal Flood Hazard Zone X
		Effective LOMRs
GENERAL STRUCTURES		Area of Undetermined Flood Hazard Zone D
		Channel, Culvert, or Storm Sewer
		Levee, Dike, or Floodwall
OTHER FEATURES		20.2 Cross Sections with 1% Annual Chance Water Surface Elevation
		17.5 Cross Sections with 1% Annual Chance Water Surface Elevation
		Coastal Transect
		Base Flood Elevation Line (BFE)
		Limit of Study
		Jurisdiction Boundary
		Coastal Transect Baseline
MAP PANELS		Profile Baseline
		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 6/12/2023 at 4:34 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.



Wetlands Map



June 12, 2023

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



Pima Environmental Services

Appendix C

C-141 Form

48-Hour Notification

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

State of New Mexico
Energy Minerals and Natural
Resources Department

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

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

Incident ID	nAPP2311055764
District RP	
Facility ID	
Application ID	

Release Notification

Responsible Party

Responsible Party: Maverick Permian, LLC	OGRID 331199
Contact Name: Bryce Wagoner	Contact Telephone: 928-241-1862
Contact email: Bryce.Wagoner@mavresources.com	Incident # nAPP2311055764
Contact mailing address: 1410 NW County Road Hobbs, NM 88240	

Location of Release Source

Latitude 32.8190002 _____ Longitude -103.7905259 _____
(NAD 83 in decimal degrees to 5 decimal places)

Site Name: MCA #265	Site Type: Flowline Leak
Date Release Discovered: April 4 th , 2023	API# (if applicable): 30-025-23686

Unit Letter	Section	Township	Range	County
K	20	17S	32E	Lea

Surface Owner: ☐ State ☒ Federal ☐ Tribal ☐ Private (Name: _____)

Nature and Volume of Release

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

<input checked="" type="checkbox"/> Crude Oil	Volume Released (bbls) 3 bbls	Volume Recovered (bbls) 0 bbls
<input type="checkbox"/> Produced Water	Volume Released (bbls)	Volume Recovered (bbls)
	Is the concentration of dissolved chloride in the produced water >10,000 mg/l?	<input type="checkbox"/> Yes <input type="checkbox"/> No
<input type="checkbox"/> Condensate	Volume Released (bbls)	Volume Recovered (bbls)
<input type="checkbox"/> Natural Gas	Volume Released (Mcf)	Volume Recovered (Mcf)
<input type="checkbox"/> Other (describe)	Volume/Weight Released (provide units)	Volume/Weight Recovered (provide units)

Cause of Release:

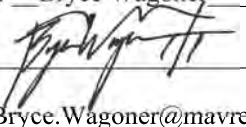
A pin hole developed on a flowline, releasing approximately 3 barrels of crude oil. An area measuring approximately 10 feet by 20 feet was affected. A backhoe was deployed and scrapped up the standing fluid.

Incident ID	nAPP2311055764
District RP	
Facility ID	
Application ID	

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

Initial Response

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

<input checked="" type="checkbox"/> The source of the release has been stopped. <input checked="" type="checkbox"/> The impacted area has been secured to protect human health and the environment. <input checked="" type="checkbox"/> Released materials have been contained via the use of berms or dikes, absorbent pads, or other containment devices. <input checked="" type="checkbox"/> All free liquids and recoverable materials have been removed and managed appropriately.	
If all the actions described above have <u>not</u> been undertaken, explain why:	
Per 19.15.29.8 B. (4) NMAC the responsible party may commence remediation immediately after discovery of a release. If remediation has begun, please attach a narrative of actions to date. If remedial efforts have been successfully completed or if the release occurred within a lined containment area (see 19.15.29.11(A)(5)(a) NMAC), please attach all information needed for closure evaluation.	
I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to OCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the OCD does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment. In addition, OCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations.	
Printed Name: Bryce Wagoner	Title: Permian HSE Specialist II
Signature: 	Date: 4/18/2023
email: Bryce.Wagoner@mavresources.com	Telephone: 928-241-1862
<u>OCD Only</u>	
Received by: Jocelyn Harimon	Date: 04/21/2023

Incident ID	nAPP2311055764
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?	<u><50'</u> (ft bgs)
Did this release impact groundwater or surface water?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within 300 feet of a continuously flowing watercourse or any other significant watercourse?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within 200 feet of any lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark)?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within 300 feet of an occupied permanent residence, school, hospital, institution, or church?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within 500 horizontal feet of a spring or a private domestic fresh water well used by less than five households for domestic or stock watering purposes?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within 1000 feet of any other fresh water well or spring?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within incorporated municipal boundaries or within a defined municipal fresh water well field?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within 300 feet of a wetland?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release overlying a subsurface mine?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release overlying an unstable area such as karst geology?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within a 100-year floodplain?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Did the release impact areas not on an exploration, development, production, or storage site?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No

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

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

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

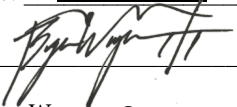
If the site characterization report does not include completed efforts at remediation of the release, the report must include a proposed remediation plan. That plan must include the estimated volume of material to be remediated, the proposed remediation technique, proposed sampling plan and methods,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

State of New Mexico
Oil Conservation Division

Page 4

Incident ID	nAPP2311055764
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: Bryce WagonerTitle: Permian EHS Specialist IISignature: Date: 6/28/2023email: Bryce.Wagoner@mavresources.comTelephone: 928-241-1862**OCD Only**Received by: Shelly WellsDate: 7/7/2023

Incident ID	nAPP2311055764
District RP	
Facility ID	
Application ID	

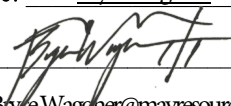
Closure

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: Bryce Wagoner Title: Permian EHSSpecialist II
Signature:  Date: 6/28/2023
email: Bryce.Wagoner@mavresources.com Telephone: 928-241-1862

OCD Only

Received by: Shelly Wells Date: 7/7/2023

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

Closure Approved by: _____ Date: _____

Printed Name: _____ Title: _____



Pima Environmental Services

Appendix D

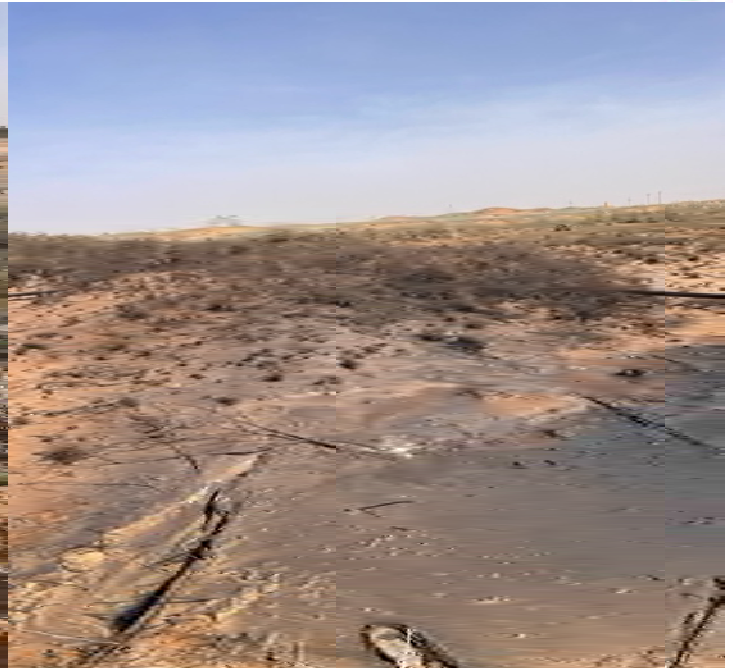
Photographic Documentation



**SITE PHOTOGRAPHS
MAVERICK PERMIAN,
LLC MCA 265**

Site Assessment





+32.818911,-103.790417
Lea County
Maverick
Assessment
MCA 265



Excavation





Pima Environmental Services

Appendix E

Laboratory Reports



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

April 19, 2023

TOM BYNUM

PIMA ENVIROMENTAL

1601 N TURNER STE. 500

HOBBS, NM 88240

RE: MCA 265

Enclosed are the results of analyses for samples received by the laboratory on 04/13/23 7:49.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-22-15. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (*). For a complete list of accredited analytes and matrices visit the TCEQ website at www.tceq.texas.gov/field/qa/lab_accred_certif.html.

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

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

Accreditation applies to public drinking water matrices.

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

Sincerely,

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

Celey D. Keene

Lab Director/Quality Manager



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

Analytical Results For:

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

Received: 04/13/2023
Reported: 04/19/2023
Project Name: MCA 265
Project Number: 24-3
Project Location: MAVERICK

Sampling Date: 04/11/2023
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Shalyn Rodriguez

Sample ID: S 1 - 1' (H231762-01)

BTX 8021B		mg/kg		Analyzed By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	36.4	5.00	04/18/2023	ND	1.92	96.1	2.00	7.63	
Toluene*	908	5.00	04/18/2023	ND	2.06	103	2.00	5.24	
Ethylbenzene*	234	5.00	04/18/2023	ND	2.04	102	2.00	5.80	
Total Xylenes*	389	15.0	04/18/2023	ND	6.45	108	6.00	3.44	
Total BTX	1570	30.0	04/18/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 118 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	2640	16.0	04/18/2023	ND	400	100	400	3.92	

TPH 8015M		mg/kg		Analyzed By: MS						S-06
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	12900	100	04/19/2023	ND	206	103	200	7.30		
DRO >C10-C28*	27800	100	04/19/2023	ND	193	96.6	200	14.2		
EXT DRO >C28-C36	5350	100	04/19/2023	ND						

Surrogate: 1-Chlorooctane 677 % 48.2-134

Surrogate: 1-Chlorooctadecane 672 % 49.1-148

Cardinal Laboratories

*=Accredited Analyte

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

Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received: 04/13/2023
Reported: 04/19/2023
Project Name: MCA 265
Project Number: 24-3
Project Location: MAVERICK

Sampling Date: 04/11/2023
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Shalyn Rodriguez

Sample ID: S 1 - 2' (H231762-02)

BTEx 8021B		mg/kg		Analyzed By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	6.44	2.00	04/18/2023	ND	1.92	96.1	2.00	7.63	
Toluene*	272	2.00	04/18/2023	ND	2.06	103	2.00	5.24	
Ethylbenzene*	110	2.00	04/18/2023	ND	2.04	102	2.00	5.80	
Total Xylenes*	203	6.00	04/18/2023	ND	6.45	108	6.00	3.44	
Total BTEX	591	12.0	04/18/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 131 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	2280	16.0	04/18/2023	ND	400	100	400	3.92	
TPH 8015M		mg/kg		Analyzed By: MS					
				S-06					

Surrogate: 1-Chlorooctane 460 % 48.2-134

Surrogate: 1-Chlorooctadecane 393 % 49.1-148

Cardinal Laboratories

*=Accredited Analyte

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

Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received: 04/13/2023
Reported: 04/19/2023
Project Name: MCA 265
Project Number: 24-3
Project Location: MAVERICK

Sampling Date: 04/11/2023
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Shalyn Rodriguez

Sample ID: S 1 - 3' (H231762-03)

BTEx 8021B		mg/kg		Analyzed By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	7.91	2.00	04/18/2023	ND	1.92	96.1	2.00	7.63	
Toluene*	353	2.00	04/18/2023	ND	2.06	103	2.00	5.24	
Ethylbenzene*	121	2.00	04/18/2023	ND	2.04	102	2.00	5.80	
Total Xylenes*	216	6.00	04/18/2023	ND	6.45	108	6.00	3.44	
Total BTEX	698	12.0	04/18/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 131 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	3000	16.0	04/18/2023	ND	400	100	400	3.92		

TPH 8015M		mg/kg		Analyzed By: MS				S-06	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	7160	100	04/19/2023	ND	206	103	200	7.30	
DRO >C10-C28*	18000	100	04/19/2023	ND	193	96.6	200	14.2	
EXT DRO >C28-C36	3250	100	04/19/2023	ND					

Surrogate: 1-Chlorooctane 502 % 48.2-134

Surrogate: 1-Chlorooctadecane 434 % 49.1-148

Cardinal Laboratories

*=Accredited Analyte

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

Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received: 04/13/2023
Reported: 04/19/2023
Project Name: MCA 265
Project Number: 24-3
Project Location: MAVERICK

Sampling Date: 04/11/2023
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Shalyn Rodriguez

Sample ID: S 1 - 4' (H231762-04)

BTEx 8021B		mg/kg		Analyzed By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	46.5	10.0	04/19/2023	ND	1.92	96.1	2.00	7.63	
Toluene*	919	10.0	04/19/2023	ND	2.06	103	2.00	5.24	
Ethylbenzene*	216	10.0	04/19/2023	ND	2.04	102	2.00	5.80	
Total Xylenes*	345	30.0	04/19/2023	ND	6.45	108	6.00	3.44	
Total BTEX	1530	60.0	04/19/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 109 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	4080	16.0	04/18/2023	ND	400	100	400	3.92		

TPH 8015M		mg/kg		Analyzed By: MS				S-06	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	15200	100	04/19/2023	ND	206	103	200	7.30	
DRO >C10-C28*	30000	100	04/19/2023	ND	193	96.6	200	14.2	
EXT DRO >C28-C36	5400	100	04/19/2023	ND					

Surrogate: 1-Chlorooctane 727 % 48.2-134

Surrogate: 1-Chlorooctadecane 738 % 49.1-148

Cardinal Laboratories

*=Accredited Analyte

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

Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received: 04/13/2023
Reported: 04/19/2023
Project Name: MCA 265
Project Number: 24-3
Project Location: MAVERICK

Sampling Date: 04/11/2023
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Shalyn Rodriguez

Sample ID: S 2 - 1' (H231762-05)

BTEx 8021B		mg/kg		Analyzed By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	04/18/2023	ND	1.92	96.1	2.00	7.63	
Toluene*	0.160	0.050	04/18/2023	ND	2.06	103	2.00	5.24	
Ethylbenzene*	0.054	0.050	04/18/2023	ND	2.04	102	2.00	5.80	
Total Xylenes*	0.187	0.150	04/18/2023	ND	6.45	108	6.00	3.44	
Total BTEX	0.401	0.300	04/18/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 112 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	2720	16.0	04/18/2023	ND	400	100	400	3.92		
TPH 8015M		mg/kg		Analyzed By: MS						S-06

Surrogate: 1-Chlorooctane 111 % 48.2-134

Surrogate: 1-Chlorooctadecane 121 % 49.1-148

Cardinal Laboratories

*=Accredited Analyte

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

Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received: 04/13/2023
Reported: 04/19/2023
Project Name: MCA 265
Project Number: 24-3
Project Location: MAVERICK

Sampling Date: 04/11/2023
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Shalyn Rodriguez

Sample ID: S 2 - 2' (H231762-06)

BTEx 8021B		mg/kg		Analyzed By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	04/18/2023	ND	1.92	96.1	2.00	7.63	
Toluene*	0.082	0.050	04/18/2023	ND	2.06	103	2.00	5.24	
Ethylbenzene*	<0.050	0.050	04/18/2023	ND	2.04	102	2.00	5.80	
Total Xylenes*	<0.150	0.150	04/18/2023	ND	6.45	108	6.00	3.44	
Total BTEx	<0.300	0.300	04/18/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 107 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	3720	16.0	04/18/2023	ND	400	100	400	3.92		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/19/2023	ND	206	103	200	7.30	
DRO >C10-C28*	24.0	10.0	04/19/2023	ND	193	96.6	200	14.2	
EXT DRO >C28-C36	<10.0	10.0	04/19/2023	ND					

Surrogate: 1-Chlorooctane 106 % 48.2-134

Surrogate: 1-Chlorooctadecane 122 % 49.1-148

Cardinal Laboratories

*=Accredited Analyte

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

Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received: 04/13/2023
Reported: 04/19/2023
Project Name: MCA 265
Project Number: 24-3
Project Location: MAVERICK

Sampling Date: 04/11/2023
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Shalyn Rodriguez

Sample ID: S 2 - 3' (H231762-07)

BTEx 8021B		mg/kg		Analyzed By: JH/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	04/18/2023	ND	1.92	96.1	2.00	7.63		
Toluene*	0.102	0.050	04/18/2023	ND	2.06	103	2.00	5.24		
Ethylbenzene*	<0.050	0.050	04/18/2023	ND	2.04	102	2.00	5.80		
Total Xylenes*	<0.150	0.150	04/18/2023	ND	6.45	108	6.00	3.44		
Total BTEx	<0.300	0.300	04/18/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 108 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	4280	16.0	04/18/2023	ND	400	100	400	3.92		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/19/2023	ND	206	103	200	7.30	
DRO >C10-C28*	17.5	10.0	04/19/2023	ND	193	96.6	200	14.2	
EXT DRO >C28-C36	<10.0	10.0	04/19/2023	ND					

Surrogate: 1-Chlorooctane 108 % 48.2-134

Surrogate: 1-Chlorooctadecane 116 % 49.1-148

Cardinal Laboratories

*=Accredited Analyte

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

Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received: 04/13/2023
Reported: 04/19/2023
Project Name: MCA 265
Project Number: 24-3
Project Location: MAVERICK

Sampling Date: 04/11/2023
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Shalyn Rodriguez

Sample ID: S 2 - 4' (H231762-08)

BTEx 8021B		mg/kg		Analyzed By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	04/18/2023	ND	1.92	96.1	2.00	7.63	
Toluene*	<0.050	0.050	04/18/2023	ND	2.06	103	2.00	5.24	
Ethylbenzene*	<0.050	0.050	04/18/2023	ND	2.04	102	2.00	5.80	
Total Xylenes*	<0.150	0.150	04/18/2023	ND	6.45	108	6.00	3.44	
Total BTEx	<0.300	0.300	04/18/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 103 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	6640	16.0	04/18/2023	ND	400	100	400	3.92	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/19/2023	ND	206	103	200	7.30	
DRO >C10-C28*	37.7	10.0	04/19/2023	ND	193	96.6	200	14.2	
EXT DRO >C28-C36	<10.0	10.0	04/19/2023	ND					

Surrogate: 1-Chlorooctane 101 % 48.2-134

Surrogate: 1-Chlorooctadecane 108 % 49.1-148

Cardinal Laboratories

*=Accredited Analyte

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

Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received: 04/13/2023
Reported: 04/19/2023
Project Name: MCA 265
Project Number: 24-3
Project Location: MAVERICK

Sampling Date: 04/11/2023
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Shalyn Rodriguez

Sample ID: S 3 - S (H231762-09)

BTEx 8021B		mg/kg		Analyzed By: JH/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	04/18/2023	ND	1.92	96.1	2.00	7.63		
Toluene*	<0.050	0.050	04/18/2023	ND	2.06	103	2.00	5.24		
Ethylbenzene*	<0.050	0.050	04/18/2023	ND	2.04	102	2.00	5.80		
Total Xylenes*	<0.150	0.150	04/18/2023	ND	6.45	108	6.00	3.44		
Total BTEx	<0.300	0.300	04/18/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 106 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	96.0	16.0	04/18/2023	ND	400	100	400	3.92		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/19/2023	ND	206	103	200	7.30	
DRO >C10-C28*	63.9	10.0	04/19/2023	ND	193	96.6	200	14.2	
EXT DRO >C28-C36	<10.0	10.0	04/19/2023	ND					

Surrogate: 1-Chlorooctane 112 % 48.2-134

Surrogate: 1-Chlorooctadecane 121 % 49.1-148

Cardinal Laboratories

*=Accredited Analyte

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

Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received: 04/13/2023
Reported: 04/19/2023
Project Name: MCA 265
Project Number: 24-3
Project Location: MAVERICK

Sampling Date: 04/11/2023
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Shalyn Rodriguez

Sample ID: S 3 - 1' (H231762-10)

BTX 8021B		mg/kg		Analyzed By: JH/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	04/18/2023	ND	1.92	96.1	2.00	7.63		
Toluene*	<0.050	0.050	04/18/2023	ND	2.06	103	2.00	5.24		
Ethylbenzene*	<0.050	0.050	04/18/2023	ND	2.04	102	2.00	5.80		
Total Xylenes*	<0.150	0.150	04/18/2023	ND	6.45	108	6.00	3.44		
Total BTX	<0.300	0.300	04/18/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 106 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	48.0	16.0	04/18/2023	ND	400	100	400	3.92	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/18/2023	ND	171	85.4	200	2.82	
DRO >C10-C28*	41.4	10.0	04/18/2023	ND	195	97.5	200	7.88	
EXT DRO >C28-C36	<10.0	10.0	04/18/2023	ND					

Surrogate: 1-Chlorooctane 98.2 % 48.2-134

Surrogate: 1-Chlorooctadecane 125 % 49.1-148

Cardinal Laboratories

*=Accredited Analyte

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

Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received: 04/13/2023
Reported: 04/19/2023
Project Name: MCA 265
Project Number: 24-3
Project Location: MAVERICK

Sampling Date: 04/11/2023
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Shalyn Rodriguez

Sample ID: S 4 - S (H231762-11)

BTEX 8021B		mg/kg		Analyzed By: JH/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	04/18/2023	ND	1.92	96.1	2.00	7.63		
Toluene*	<0.050	0.050	04/18/2023	ND	2.06	103	2.00	5.24		
Ethylbenzene*	<0.050	0.050	04/18/2023	ND	2.04	102	2.00	5.80		
Total Xylenes*	<0.150	0.150	04/18/2023	ND	6.45	108	6.00	3.44		
Total BTEX	<0.300	0.300	04/18/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 104 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	16.0	16.0	04/18/2023	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/18/2023	ND	171	85.4	200	2.82	
DRO >C10-C28*	<10.0	10.0	04/18/2023	ND	195	97.5	200	7.88	
EXT DRO >C28-C36	<10.0	10.0	04/18/2023	ND					

Surrogate: 1-Chlorooctane 86.4 % 48.2-134

Surrogate: 1-Chlorooctadecane 109 % 49.1-148

Cardinal Laboratories

*=Accredited Analyte

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

Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received: 04/13/2023
Reported: 04/19/2023
Project Name: MCA 265
Project Number: 24-3
Project Location: MAVERICK

Sampling Date: 04/11/2023
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Shalyn Rodriguez

Sample ID: S 4 - 1' (H231762-12)

BTX 8021B		mg/kg		Analyzed By: JH/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	04/18/2023	ND	1.92	96.1	2.00	7.63		
Toluene*	<0.050	0.050	04/18/2023	ND	2.06	103	2.00	5.24		
Ethylbenzene*	<0.050	0.050	04/18/2023	ND	2.04	102	2.00	5.80		
Total Xylenes*	<0.150	0.150	04/18/2023	ND	6.45	108	6.00	3.44		
Total BTX	<0.300	0.300	04/18/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 104 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	16.0	16.0	04/18/2023	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/18/2023	ND	171	85.4	200	2.82	
DRO >C10-C28*	<10.0	10.0	04/18/2023	ND	195	97.5	200	7.88	
EXT DRO >C28-C36	<10.0	10.0	04/18/2023	ND					

Surrogate: 1-Chlorooctane 97.3 % 48.2-134

Surrogate: 1-Chlorooctadecane 121 % 49.1-148

Cardinal Laboratories

*=Accredited Analyte

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

Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received: 04/13/2023
Reported: 04/19/2023
Project Name: MCA 265
Project Number: 24-3
Project Location: MAVERICK

Sampling Date: 04/11/2023
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Shalyn Rodriguez

Sample ID: S 5 - S (H231762-13)

BTEx 8021B		mg/kg		Analyzed By: JH/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	04/18/2023	ND	1.92	96.1	2.00	7.63		
Toluene*	<0.050	0.050	04/18/2023	ND	2.06	103	2.00	5.24		
Ethylbenzene*	<0.050	0.050	04/18/2023	ND	2.04	102	2.00	5.80		
Total Xylenes*	<0.150	0.150	04/18/2023	ND	6.45	108	6.00	3.44		
Total BTEx	<0.300	0.300	04/18/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 106 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	16.0	16.0	04/18/2023	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/19/2023	ND	171	85.4	200	2.82	
DRO >C10-C28*	<10.0	10.0	04/19/2023	ND	195	97.5	200	7.88	
EXT DRO >C28-C36	<10.0	10.0	04/19/2023	ND					

Surrogate: 1-Chlorooctane 93.0 % 48.2-134

Surrogate: 1-Chlorooctadecane 118 % 49.1-148

Cardinal Laboratories

*=Accredited Analyte

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

Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received: 04/13/2023
Reported: 04/19/2023
Project Name: MCA 265
Project Number: 24-3
Project Location: MAVERICK

Sampling Date: 04/11/2023
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Shalyn Rodriguez

Sample ID: S 5 - 1' (H231762-14)

BTX 8021B		mg/kg		Analyzed By: JH/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	04/18/2023	ND	1.92	96.1	2.00	7.63		
Toluene*	<0.050	0.050	04/18/2023	ND	2.06	103	2.00	5.24		
Ethylbenzene*	<0.050	0.050	04/18/2023	ND	2.04	102	2.00	5.80		
Total Xylenes*	<0.150	0.150	04/18/2023	ND	6.45	108	6.00	3.44		
Total BTX	<0.300	0.300	04/18/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 107 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	16.0	16.0	04/18/2023	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/19/2023	ND	171	85.4	200	2.82	
DRO >C10-C28*	<10.0	10.0	04/19/2023	ND	195	97.5	200	7.88	
EXT DRO >C28-C36	<10.0	10.0	04/19/2023	ND					

Surrogate: 1-Chlorooctane 92.7 % 48.2-134

Surrogate: 1-Chlorooctadecane 117 % 49.1-148

Cardinal Laboratories

*=Accredited Analyte

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

Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received: 04/13/2023
Reported: 04/19/2023
Project Name: MCA 265
Project Number: 24-3
Project Location: MAVERICK

Sampling Date: 04/11/2023
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Shalyn Rodriguez

Sample ID: SW 1 (H231762-15)

BTX 8021B		mg/kg		Analyzed By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	04/18/2023	ND	1.92	96.1	2.00	7.63	
Toluene*	0.102	0.050	04/18/2023	ND	2.06	103	2.00	5.24	
Ethylbenzene*	<0.050	0.050	04/18/2023	ND	2.04	102	2.00	5.80	
Total Xylenes*	<0.150	0.150	04/18/2023	ND	6.45	108	6.00	3.44	
Total BTX	<0.300	0.300	04/18/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 109 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	16.0	16.0	04/18/2023	ND	416	104	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/19/2023	ND	171	85.4	200	2.82	
DRO >C10-C28*	<10.0	10.0	04/19/2023	ND	195	97.5	200	7.88	
EXT DRO >C28-C36	<10.0	10.0	04/19/2023	ND					

Surrogate: 1-Chlorooctane 95.8 % 48.2-134

Surrogate: 1-Chlorooctadecane 120 % 49.1-148

Cardinal Laboratories

*=Accredited Analyte

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

Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received: 04/13/2023
Reported: 04/19/2023
Project Name: MCA 265
Project Number: 24-3
Project Location: MAVERICK

Sampling Date: 04/11/2023
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Shalyn Rodriguez

Sample ID: SW 2 (H231762-16)

BTEx 8021B		mg/kg		Analyzed By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	04/18/2023	ND	1.92	96.1	2.00	7.63	
Toluene*	0.050	0.050	04/18/2023	ND	2.06	103	2.00	5.24	
Ethylbenzene*	<0.050	0.050	04/18/2023	ND	2.04	102	2.00	5.80	
Total Xylenes*	<0.150	0.150	04/18/2023	ND	6.45	108	6.00	3.44	
Total BTEx	<0.300	0.300	04/18/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 102 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	04/18/2023	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/19/2023	ND	171	85.4	200	2.82	
DRO >C10-C28*	<10.0	10.0	04/19/2023	ND	195	97.5	200	7.88	
EXT DRO >C28-C36	<10.0	10.0	04/19/2023	ND					

Surrogate: 1-Chlorooctane 93.6 % 48.2-134

Surrogate: 1-Chlorooctadecane 117 % 49.1-148

Cardinal Laboratories

*=Accredited Analyte

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

Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received: 04/13/2023
Reported: 04/19/2023
Project Name: MCA 265
Project Number: 24-3
Project Location: MAVERICK

Sampling Date: 04/11/2023
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Shalyn Rodriguez

Sample ID: SW 3 (H231762-17)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	04/18/2023	ND	1.98	98.8	2.00	22.1		
Toluene*	0.096	0.050	04/18/2023	ND	1.97	98.3	2.00	21.6		
Ethylbenzene*	<0.050	0.050	04/18/2023	ND	2.05	102	2.00	20.5		
Total Xylenes*	<0.150	0.150	04/18/2023	ND	6.18	103	6.00	21.8		
Total BTEx	<0.300	0.300	04/18/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 106 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	04/18/2023	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/19/2023	ND	171	85.4	200	2.82	
DRO >C10-C28*	<10.0	10.0	04/19/2023	ND	195	97.5	200	7.88	
EXT DRO >C28-C36	<10.0	10.0	04/19/2023	ND					

Surrogate: 1-Chlorooctane 88.8 % 48.2-134

Surrogate: 1-Chlorooctadecane 111 % 49.1-148

Cardinal Laboratories

*=Accredited Analyte

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

Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received: 04/13/2023
Reported: 04/19/2023
Project Name: MCA 265
Project Number: 24-3
Project Location: MAVERICK

Sampling Date: 04/11/2023
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Shalyn Rodriguez

Sample ID: SW 4 (H231762-18)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	04/18/2023	ND	1.98	98.8	2.00	22.1		
Toluene*	0.058	0.050	04/18/2023	ND	1.97	98.3	2.00	21.6		
Ethylbenzene*	<0.050	0.050	04/18/2023	ND	2.05	102	2.00	20.5		
Total Xylenes*	<0.150	0.150	04/18/2023	ND	6.18	103	6.00	21.8		
Total BTEx	<0.300	0.300	04/18/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 110 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	04/18/2023	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/19/2023	ND	171	85.4	200	2.82	
DRO >C10-C28*	<10.0	10.0	04/19/2023	ND	195	97.5	200	7.88	
EXT DRO >C28-C36	<10.0	10.0	04/19/2023	ND					

Surrogate: 1-Chlorooctane 98.1 % 48.2-134

Surrogate: 1-Chlorooctadecane 125 % 49.1-148

Cardinal Laboratories

*=Accredited Analyte

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

Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received: 04/13/2023
Reported: 04/19/2023
Project Name: MCA 265
Project Number: 24-3
Project Location: MAVERICK

Sampling Date: 04/11/2023
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Shalyn Rodriguez

Sample ID: SW 5 (H231762-19)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	04/18/2023	ND	1.98	98.8	2.00	22.1		
Toluene*	0.057	0.050	04/18/2023	ND	1.97	98.3	2.00	21.6		
Ethylbenzene*	<0.050	0.050	04/18/2023	ND	2.05	102	2.00	20.5		
Total Xylenes*	<0.150	0.150	04/18/2023	ND	6.18	103	6.00	21.8		
Total BTEx	<0.300	0.300	04/18/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 99.7 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	04/18/2023	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/19/2023	ND	171	85.4	200	2.82	
DRO >C10-C28*	<10.0	10.0	04/19/2023	ND	195	97.5	200	7.88	
EXT DRO >C28-C36	<10.0	10.0	04/19/2023	ND					

Surrogate: 1-Chlorooctane 97.4 % 48.2-134

Surrogate: 1-Chlorooctadecane 125 % 49.1-148

Cardinal Laboratories

*=Accredited Analyte

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

Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received: 04/13/2023
Reported: 04/19/2023
Project Name: MCA 265
Project Number: 24-3
Project Location: MAVERICK

Sampling Date: 04/11/2023
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Shalyn Rodriguez

Sample ID: SW 6 (H231762-20)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	04/18/2023	ND	1.98	98.8	2.00	22.1		
Toluene*	<0.050	0.050	04/18/2023	ND	1.97	98.3	2.00	21.6		
Ethylbenzene*	<0.050	0.050	04/18/2023	ND	2.05	102	2.00	20.5		
Total Xylenes*	<0.150	0.150	04/18/2023	ND	6.18	103	6.00	21.8		
Total BTEx	<0.300	0.300	04/18/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 104 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	04/18/2023	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/19/2023	ND	171	85.4	200	2.82	
DRO >C10-C28*	<10.0	10.0	04/19/2023	ND	195	97.5	200	7.88	
EXT DRO >C28-C36	<10.0	10.0	04/19/2023	ND					

Surrogate: 1-Chlorooctane 105 % 48.2-134

Surrogate: 1-Chlorooctadecane 135 % 49.1-148

Cardinal Laboratories

*=Accredited Analyte

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

Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received: 04/13/2023
Reported: 04/19/2023
Project Name: MCA 265
Project Number: 24-3
Project Location: MAVERICK

Sampling Date: 04/11/2023
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Shalyn Rodriguez

Sample ID: SW 7 (H231762-21)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	04/18/2023	ND	1.98	98.8	2.00	22.1		
Toluene*	0.061	0.050	04/18/2023	ND	1.97	98.3	2.00	21.6		
Ethylbenzene*	<0.050	0.050	04/18/2023	ND	2.05	102	2.00	20.5		
Total Xylenes*	<0.150	0.150	04/18/2023	ND	6.18	103	6.00	21.8		
Total BTEx	<0.300	0.300	04/18/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 108 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	04/18/2023	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/19/2023	ND	171	85.4	200	2.82	
DRO >C10-C28*	<10.0	10.0	04/19/2023	ND	195	97.5	200	7.88	
EXT DRO >C28-C36	<10.0	10.0	04/19/2023	ND					

Surrogate: 1-Chlorooctane 97.3 % 48.2-134

Surrogate: 1-Chlorooctadecane 124 % 49.1-148

Cardinal Laboratories

*=Accredited Analyte

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

Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received: 04/13/2023
Reported: 04/19/2023
Project Name: MCA 265
Project Number: 24-3
Project Location: MAVERICK

Sampling Date: 04/11/2023
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Shalyn Rodriguez

Sample ID: SW 8 (H231762-22)

BTEx 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	04/18/2023	ND	1.98	98.8	2.00	22.1	
Toluene*	0.055	0.050	04/18/2023	ND	1.97	98.3	2.00	21.6	
Ethylbenzene*	<0.050	0.050	04/18/2023	ND	2.05	102	2.00	20.5	
Total Xylenes*	<0.150	0.150	04/18/2023	ND	6.18	103	6.00	21.8	
Total BTEx	<0.300	0.300	04/18/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 106 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	04/18/2023	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/19/2023	ND	171	85.4	200	2.82	
DRO >C10-C28*	<10.0	10.0	04/19/2023	ND	195	97.5	200	7.88	
EXT DRO >C28-C36	<10.0	10.0	04/19/2023	ND					

Surrogate: 1-Chlorooctane 92.9 % 48.2-134

Surrogate: 1-Chlorooctadecane 118 % 49.1-148

Cardinal Laboratories

*=Accredited Analyte

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

Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received: 04/13/2023
Reported: 04/19/2023
Project Name: MCA 265
Project Number: 24-3
Project Location: MAVERICK

Sampling Date: 04/11/2023
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Shalyn Rodriguez

Sample ID: SW 9 (H231762-23)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	04/18/2023	ND	1.98	98.8	2.00	22.1		
Toluene*	0.051	0.050	04/18/2023	ND	1.97	98.3	2.00	21.6		
Ethylbenzene*	<0.050	0.050	04/18/2023	ND	2.05	102	2.00	20.5		
Total Xylenes*	<0.150	0.150	04/18/2023	ND	6.18	103	6.00	21.8		
Total BTEx	<0.300	0.300	04/18/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 107 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	04/18/2023	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/19/2023	ND	171	85.4	200	2.82	
DRO >C10-C28*	<10.0	10.0	04/19/2023	ND	195	97.5	200	7.88	
EXT DRO >C28-C36	<10.0	10.0	04/19/2023	ND					

Surrogate: 1-Chlorooctane 94.2 % 48.2-134

Surrogate: 1-Chlorooctadecane 118 % 49.1-148

Cardinal Laboratories

*=Accredited Analyte

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

Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received: 04/13/2023
Reported: 04/19/2023
Project Name: MCA 265
Project Number: 24-3
Project Location: MAVERICK

Sampling Date: 04/11/2023
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Shalyn Rodriguez

Sample ID: BG 1 (H231762-24)

BTEx 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	04/18/2023	ND	1.98	98.8	2.00	22.1	
Toluene*	0.051	0.050	04/18/2023	ND	1.97	98.3	2.00	21.6	
Ethylbenzene*	<0.050	0.050	04/18/2023	ND	2.05	102	2.00	20.5	
Total Xylenes*	<0.150	0.150	04/18/2023	ND	6.18	103	6.00	21.8	
Total BTEx	<0.300	0.300	04/18/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 110 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	04/18/2023	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/19/2023	ND	171	85.4	200	2.82	
DRO >C10-C28*	<10.0	10.0	04/19/2023	ND	195	97.5	200	7.88	
EXT DRO >C28-C36	<10.0	10.0	04/19/2023	ND					

Surrogate: 1-Chlorooctane 92.9 % 48.2-134

Surrogate: 1-Chlorooctadecane 120 % 49.1-148

Cardinal Laboratories

*=Accredited Analyte

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

Celey D. Keene, Lab Director/Quality Manager



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

Notes and Definitions

S-06	The recovery of this surrogate is outside control limits due to sample dilution required from high analyte concentration and/or matrix interference's.
S-04	The surrogate recovery for this sample is outside of established control limits due to a sample matrix effect.
QR-04	The RPD for the BS/BSD was outside of historical limits.
QM-07	The spike recovery was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS recovery.
BS-3	Blank spike recovery outside of lab established statistical limits, but still within method limits. Data is not adversely affected.
ND	Analyte NOT DETECTED at or above the reporting limit
RPD	Relative Percent Difference
**	Samples not received at proper temperature of 6°C or below.
***	Insufficient time to reach temperature.
-	Chloride by SM4500Cl-B does not require samples be received at or below 6°C Samples reported on an as received basis (wet) unless otherwise noted on report

Cardinal Laboratories

*=Accredited Analyte

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

A handwritten signature in black ink, appearing to read "Celey D. Keene".

Celey D. Keene, Lab Director/Quality Manager



CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

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

Company Name: Pima Environmental Services				BILL TO				ANALYSIS REQUEST																		
Project Manager: Tom Bynum				P.O. #:				<div style="display: flex; flex-direction: column; align-items: center;"> <div style="writing-mode: vertical-rl; transform: rotate(180deg);">BTEX 8021</div> <div style="writing-mode: vertical-rl; transform: rotate(180deg);">TPH 8015</div> <div style="writing-mode: vertical-rl; transform: rotate(180deg);">chloride</div> </div>																		
Address: 5614 N. Lovington Hwy				Company: <u>Maverick</u>																						
City: Hobbs State: NM Zip: 88240				Attn: <u>AB</u>																						
Phone #: 575-964-7740 Fax #:				Address:																						
Project #: <u>24-3</u> Project Owner: <u>Sebastian</u>				City: <u>Hobbs</u>																						
Project Name: <u>MCA 265</u>				State: <u>NM</u> Zip: <u>88240</u>																						
Project Location:				Phone #:																						
Sampler Name: <u>Audriana Benavidez</u>				Fax #:																						
FOR LAB USE ONLY																										
Lab I.D.	Sample I.D.	(G)RAB OR (C)OMP.	# CONTAINERS	MATRIX				PRESERV.	SAMPLING																	
				GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER:	ACID/BASE:	ICE / COOL	OTHER:	DATE	TIME												
<u>H231762</u>																										
1	S1-1'	G	1			X							4-11-23	7:00												
2	S1-2'													7:05												
3	S1-3'													7:10												
4	S1-4'													7:15												
5	S2-1'													7:20												
6	S2-2'													7:25												
7	S2-3'													7:30												
8	S2-4'													7:35												
9	S3-S													7:40												
10	S3-1'													7:45												

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising whether based in contract or tort, shall be limited to the amount paid by the client for the analyses. All claims including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within 30 days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise.

Relinquished By: <u>AB</u>	Date: <u>4-13-23</u>	Received By: <u>Stocking</u>	Phone Result: <input type="checkbox"/> Yes <input type="checkbox"/> No	Add'l Phone #:
Relinquished By:	Date:	Received By:	Fax Result: <input type="checkbox"/> Yes <input type="checkbox"/> No	Add'l Fax #:
Relinquished By:	Date:	Received By:	REMARKS:	
Delivered By: (Circle One) <u>-8.02/c-o.u.</u>	Time: <u>0749</u>	Sample Condition: <input checked="" type="checkbox"/> Cool <input checked="" type="checkbox"/> Intact	CHECKED BY: (Initials) <u>SR</u>	
Sampler - UPS - Bus - Other: <u>-8.02 #113</u>	Time:	<input type="checkbox"/> Yes <input type="checkbox"/> No		

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



CARDINAL
Laboratories

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

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

Company Name: Pima Environmental Services				BILL TO				ANALYSIS REQUEST																		
Project Manager: Tom Bynum				P.O. #:				<div style="display: flex; justify-content: space-between;"> <div style="width: 30%;"> <p>Company: <i>Maverick</i></p> <p>Attn: <i>[Signature]</i></p> <p>Address:</p> <p>City: <i>Hobbs</i></p> <p>State: <i>NM</i> Zip: <i>88240</i></p> <p>Phone #:</p> <p>Fax #:</p> </div> <div style="width: 65%;"> <p><i>BTex 8021</i></p> <p><i>TPH 8015</i></p> <p><i>Chloride</i></p> </div> </div>																		
Address: 5614 N. Lovington Hwy				Company:																						
City: Hobbs		State: NM Zip: 88240		Attn:																						
Phone #: 575-964-7740		Fax #:		Address:																						
Project #: <i>24-3</i>		Project Owner: <i>Sebastian</i>		City:																						
Project Name: <i>MCA 245</i>				State: <i>NM</i> Zip: <i>88240</i>																						
Project Location:				Phone #:																						
Sampler Name: <i>Audriana Benavidez</i>				Fax #:																						
FOR LAB USE ONLY																										
Lab I.D.	Sample I.D.	(G)RAB OR (C)OMP.	# CONTAINERS	MATRIX				PRESERV.		SAMPLING																
				GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER:	ACID/BASE:	ICE / COOL	OTHER:	DATE	TIME												
<i>H231762</i>																										
<i>11</i>	<i>S4-S</i>	<i>3</i>	<i>1</i>			<i>X</i>							<i>4-11-23</i>	<i>7:50</i>												
<i>12</i>	<i>S4-1</i>													<i>7:55</i>												
<i>13</i>	<i>S5-8</i>													<i>8:00</i>												
<i>14</i>	<i>S5-1</i>													<i>8:05</i>												
<i>15</i>	<i>SW1</i>													<i>8:10</i>												
<i>16</i>	<i>SW2</i>													<i>8:15</i>												
<i>17</i>	<i>SW3</i>													<i>8:20</i>												
<i>18</i>	<i>SW4</i>													<i>8:25</i>												
<i>19</i>	<i>SW5</i>													<i>8:30</i>												
<i>20</i>	<i>SW6</i>													<i>8:35</i>												

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising whether based in contract or tort, shall be limited to the amount paid by the client for the analyses. All claims including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within 30 days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise.

Relinquished By: <i>AB</i>	Date: <i>4/13/23</i>	Received By: <i>Shodkigney</i>	Phone Result: <input type="checkbox"/> Yes <input type="checkbox"/> No	Add'l Phone #:
	Time: <i>0749</i>		Fax Result: <input type="checkbox"/> Yes <input type="checkbox"/> No	Add'l Fax #:
Relinquished By:	Date:	Received By:	REMARKS:	
	Time:			
Delivered By: (Circle One) <i>-8.0JC-0.62</i>	Sample Condition	CHECKED BY:		
Sampler - UPS - Bus - Other:	Cool <input type="checkbox"/> Intact <input type="checkbox"/>	(Initials)		
<i>-8.62 #13</i>	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/>	<i>SK</i>		

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



CARDINAL
Laboratories

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

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

Company Name: Pima Environmental Services Project Manager: Tom Bynum Address: 5614 N. Lovington Hwy City: Hobbs State: NM Zip: 88240 Phone #: 575-964-7740 Fax #: Project #: 24-3 Project Owner: Sebastian Project Name: Mca 265 Project Location: Sampler Name: Audriana Bernandiz				BILL TO ANALYSIS REQUEST																																																						
P.O. #: Company: Maverick Attn: AB Address: City: Hobbs State: NM Zip: 88240 Phone #: Fax #:				<table border="1" style="width:100%; height: 100%; border-collapse: collapse;"> <tr> <td style="width: 10%;">BTEX</td> <td style="width: 10%;">TPH</td> <td style="width: 10%;">Chloride</td> <td style="width: 10%;"></td> <td style="width: 10%;"></td> <td style="width: 10%;"></td> <td style="width: 10%;"></td> <td style="width: 10%;"></td> <td style="width: 10%;"></td> <td style="width: 10%;"></td> <td style="width: 10%;"></td> <td style="width: 10%;"></td> <td style="width: 10%;"></td> <td style="width: 10%;"></td> <td style="width: 10%;"></td> <td style="width: 10%;"></td> <td style="width: 10%;"></td> <td style="width: 10%;"></td> <td style="width: 10%;"></td> <td style="width: 10%;"></td> </tr> <tr> <td style="text-align: center;">I</td> <td style="text-align: center;">I</td> <td style="text-align: center;">I</td> <td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td> </tr> </table>															BTEX	TPH	Chloride																		I	I	I																	
BTEX	TPH	Chloride																																																								
I	I	I																																																								
FOR LAB USE ONLY																																																										
Lab I.D.		Sample I.D.		(GRAB OR (COMP. # CONTAINERS		MATRIX				PRESERV.		SAMPLING																																														
						GROUNDWATER		WASTEWATER		SOIL		OIL		SLUDGE		OTHER :		ACID/BASE:		ICE / COOL		OTHER :		DATE		TIME																																
H231762 21 SW7 22 SW8 23 SW9 24 BGI				G 1		X																		4-11-23 ↓		8:40 8:45 8:50 8:55																																
<small>PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising whether based in contract or tort, shall be limited to the amount paid by the client for the analyses. All claims including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within 30 days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise.</small>																																																										
Relinquished By: AB Relinquished By:				Date: 4-13-23 Time: 0749				Received By: S. Rodriguez Received By:				Phone Result: <input type="checkbox"/> Yes <input type="checkbox"/> No Add'l Phone #: Fax Result: <input type="checkbox"/> Yes <input type="checkbox"/> No Add'l Fax #: REMARKS:																																														
Delivered By: (Circle One) -8.02 C.O.62 Sampler - UPS - Bus - Other: -8.62 #1B				Sample Condition Cool Intact <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Yes <input type="checkbox"/> No				CHECKED BY: (Initials) SJR																																																		

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: MCA 265

Work Order: E304209

Job Number: 21064-0001

Received: 4/28/2023

Revision: 1

Report Reviewed By:

Walter Hinchman
Laboratory Director
5/4/23

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: 5/4/23

Tom Bynum
PO Box 247
Plains, TX 79355-0247



Project Name: MCA 265
Workorder: E304209
Date Received: 4/28/2023 8:45:00AM

Tom Bynum,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 4/28/2023 8:45:00AM, under the Project Name: MCA 265.

The analytical test results summarized in this report with the Project Name: MCA 265 apply to the individual samples collected, identified and submitted bearing the project name on the enclosed chain-of-custody. Subcontracted sample analyses not conducted by Envirotech, Inc., are attached in full as issued by the subcontract laboratory.

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

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

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

Respectfully,

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
ljjarboe@envirotech-inc.com

West Texas Midland/Odessa Area
Rayny Hagan
Technical Representative
Office: 505-421-LABS(5227)

Envirotech Web Address: www.envirotech-inc.com

Table of Contents

Title Page	1
Cover Page	2
Table of Contents	3
Sample Summary	4
Sample Data	5
S1 - 5'	5
S1 - 6'	6
S1 - 7'	7
S1 - 8'	8
S1 - 9'	9
S2 - 5'	10
S2 - 6'	11
S2 - 7'	12
S2 - 8'	13
S2 - 9'	14
QC Summary Data	15
QC - Volatile Organics by EPA 8021B	15
QC - Nonhalogenated Organics by EPA 8015D - GRO	16
QC - Nonhalogenated Organics by EPA 8015D - DRO/ORO	17
QC - Anions by EPA 300.0/9056A	18
Definitions and Notes	19
Chain of Custody etc.	20

Sample Summary

Pima Environmental Services-Carlsbad	Project Name:	MCA 265	Reported:
PO Box 247	Project Number:	21064-0001	
Plains TX, 79355-0247	Project Manager:	Tom Bynum	05/04/23 08:38

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
S1 - 5'	E304209-01A	Soil	04/26/23	04/28/23	Glass Jar, 2 oz.
S1 - 6'	E304209-02A	Soil	04/26/23	04/28/23	Glass Jar, 2 oz.
S1 - 7'	E304209-03A	Soil	04/26/23	04/28/23	Glass Jar, 2 oz.
S1 - 8'	E304209-04A	Soil	04/26/23	04/28/23	Glass Jar, 2 oz.
S1 - 9'	E304209-05A	Soil	04/26/23	04/28/23	Glass Jar, 2 oz.
S2 - 5'	E304209-06A	Soil	04/26/23	04/28/23	Glass Jar, 2 oz.
S2 - 6'	E304209-07A	Soil	04/26/23	04/28/23	Glass Jar, 2 oz.
S2 - 7'	E304209-08A	Soil	04/26/23	04/28/23	Glass Jar, 2 oz.
S2 - 8'	E304209-09A	Soil	04/26/23	04/28/23	Glass Jar, 2 oz.
S2 - 9'	E304209-10A	Soil	04/26/23	04/28/23	Glass Jar, 2 oz.



Sample Data

Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247	Project Name: MCA 265 Project Number: 21064-0001 Project Manager: Tom Bynum	Reported: 5/4/2023 8:38:32AM
---	---	--

S1 - 5'

E304209-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: SL		Batch: 2318008	
Benzene	ND	0.0250	1	05/01/23	05/02/23	
Ethylbenzene	0.618	0.0250	1	05/01/23	05/02/23	
Toluene	0.253	0.0250	1	05/01/23	05/02/23	
o-Xylene	0.482	0.0250	1	05/01/23	05/02/23	
p,m-Xylene	1.06	0.0500	1	05/01/23	05/02/23	
Total Xylenes	1.54	0.0250	1	05/01/23	05/02/23	
Surrogate: 4-Bromochlorobenzene-PID	92.5 %	70-130		05/01/23	05/02/23	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: SL		Batch: 2318008	
Gasoline Range Organics (C6-C10)	31.4	20.0	1	05/01/23	05/02/23	
Surrogate: 1-Chloro-4-fluorobenzene-FID	95.4 %	70-130		05/01/23	05/02/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: JL		Batch: 2318003	
Diesel Range Organics (C10-C28)	4590	1250	50	05/01/23	05/02/23	
Oil Range Organics (C28-C36)	2560	2500	50	05/01/23	05/02/23	
Surrogate: n-Nonane	115 %	50-200		05/01/23	05/02/23	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: BA		Batch: 2318016	
Chloride	5930	40.0	2	05/01/23	05/02/23	



Sample Data

Pima Environmental Services-Carlsbad
PO Box 247
Plains TX, 79355-0247

Project Name: MCA 265
Project Number: 21064-0001
Project Manager: Tom Bynum

Reported:
5/4/2023 8:38:32AM

S1 - 6'

E304209-02

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: SL		Batch: 2318008
Benzene	ND	0.0250	1	05/01/23	05/02/23	
Ethylbenzene	0.0900	0.0250	1	05/01/23	05/02/23	
Toluene	0.0449	0.0250	1	05/01/23	05/02/23	
o-Xylene	0.0446	0.0250	1	05/01/23	05/02/23	
p,m-Xylene	0.0987	0.0500	1	05/01/23	05/02/23	
Total Xylenes	0.143	0.0250	1	05/01/23	05/02/23	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	92.2 %	70-130		05/01/23	05/02/23	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: SL		Batch: 2318008
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/01/23	05/02/23	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	94.4 %	70-130		05/01/23	05/02/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: JL		Batch: 2318003
Diesel Range Organics (C10-C28)	749	50.0	2	05/01/23	05/02/23	
Oil Range Organics (C28-C36)	391	100	2	05/01/23	05/02/23	
<i>Surrogate: n-Nonane</i>						
	107 %	50-200		05/01/23	05/02/23	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: BA		Batch: 2318016
Chloride	342	20.0	1	05/01/23	05/02/23	



Sample Data

Pima Environmental Services-Carlsbad
PO Box 247
Plains TX, 79355-0247

Project Name: MCA 265
Project Number: 21064-0001
Project Manager: Tom Bynum

Reported:
5/4/2023 8:38:32AM

S1 - 7'

E304209-03

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: SL		Batch: 2318008
Benzene	ND	0.0250	1	05/01/23	05/02/23	
Ethylbenzene	0.127	0.0250	1	05/01/23	05/02/23	
Toluene	0.0338	0.0250	1	05/01/23	05/02/23	
o-Xylene	0.0824	0.0250	1	05/01/23	05/02/23	
p,m-Xylene	0.166	0.0500	1	05/01/23	05/02/23	
Total Xylenes	0.248	0.0250	1	05/01/23	05/02/23	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	91.3 %	70-130		05/01/23	05/02/23	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: SL		Batch: 2318008
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/01/23	05/02/23	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	94.6 %	70-130		05/01/23	05/02/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: JL		Batch: 2318003
Diesel Range Organics (C10-C28)	250	25.0	1	05/01/23	05/02/23	
Oil Range Organics (C28-C36)	142	50.0	1	05/01/23	05/02/23	
<i>Surrogate: n-Nonane</i>						
	109 %	50-200		05/01/23	05/02/23	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: BA		Batch: 2318016
Chloride	139	20.0	1	05/01/23	05/02/23	



Sample Data

Pima Environmental Services-Carlsbad
PO Box 247
Plains TX, 79355-0247

Project Name: MCA 265
Project Number: 21064-0001
Project Manager: Tom Bynum

Reported:
5/4/2023 8:38:32AM

S1 - 8'

E304209-04

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg	Analyst: SL		Batch: 2318008	
Benzene	ND	0.0250	1	05/01/23	05/02/23	
Ethylbenzene	0.0760	0.0250	1	05/01/23	05/02/23	
Toluene	0.0655	0.0250	1	05/01/23	05/02/23	
o-Xylene	0.0333	0.0250	1	05/01/23	05/02/23	
p,m-Xylene	0.0878	0.0500	1	05/01/23	05/02/23	
Total Xylenes	0.121	0.0250	1	05/01/23	05/02/23	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	90.7 %	70-130		05/01/23	05/02/23	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg	Analyst: SL		Batch: 2318008	
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/01/23	05/02/23	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	90.6 %	70-130		05/01/23	05/02/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg	Analyst: JL		Batch: 2318003	
Diesel Range Organics (C10-C28)	ND	25.0	1	05/01/23	05/02/23	
Oil Range Organics (C28-C36)	ND	50.0	1	05/01/23	05/02/23	
<i>Surrogate: n-Nonane</i>						
	93.1 %	50-200		05/01/23	05/02/23	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: BA		Batch: 2318016	
Chloride	ND	20.0	1	05/01/23	05/02/23	



Sample Data

Pima Environmental Services-Carlsbad
PO Box 247
Plains TX, 79355-0247

Project Name: MCA 265
Project Number: 21064-0001
Project Manager: Tom Bynum

Reported:
5/4/2023 8:38:32AM

S1 - 9'

E304209-05

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg	Analyst: SL		Batch: 2318008	
Benzene	ND	0.0250	1	05/01/23	05/02/23	
Ethylbenzene	ND	0.0250	1	05/01/23	05/02/23	
Toluene	ND	0.0250	1	05/01/23	05/02/23	
o-Xylene	ND	0.0250	1	05/01/23	05/02/23	
p,m-Xylene	ND	0.0500	1	05/01/23	05/02/23	
Total Xylenes	ND	0.0250	1	05/01/23	05/02/23	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	91.8 %	70-130		05/01/23	05/02/23	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg	Analyst: SL		Batch: 2318008	
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/01/23	05/02/23	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	92.8 %	70-130		05/01/23	05/02/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg	Analyst: JL		Batch: 2318003	
Diesel Range Organics (C10-C28)	ND	25.0	1	05/01/23	05/02/23	
Oil Range Organics (C28-C36)	ND	50.0	1	05/01/23	05/02/23	
<i>Surrogate: n-Nonane</i>						
	91.4 %	50-200		05/01/23	05/02/23	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: BA		Batch: 2318016	
Chloride	ND	20.0	1	05/01/23	05/02/23	



Sample Data

Pima Environmental Services-Carlsbad
PO Box 247
Plains TX, 79355-0247

Project Name: MCA 265
Project Number: 21064-0001
Project Manager: Tom Bynum

Reported:
5/4/2023 8:38:32AM

S2 - 5'

E304209-06

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg	Analyst: SL		Batch: 2318008	
Benzene	ND	0.0250	1	05/01/23	05/02/23	
Ethylbenzene	0.330	0.0250	1	05/01/23	05/02/23	
Toluene	0.122	0.0250	1	05/01/23	05/02/23	
o-Xylene	0.280	0.0250	1	05/01/23	05/02/23	
p,m-Xylene	0.531	0.0500	1	05/01/23	05/02/23	
Total Xylenes	0.811	0.0250	1	05/01/23	05/02/23	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	95.2 %	70-130		05/01/23	05/02/23	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg	Analyst: SL		Batch: 2318008	
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/01/23	05/02/23	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	93.5 %	70-130		05/01/23	05/02/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg	Analyst: JL		Batch: 2318003	
Diesel Range Organics (C10-C28)	3750	1250	50	05/01/23	05/02/23	
Oil Range Organics (C28-C36)	2720	2500	50	05/01/23	05/02/23	
<i>Surrogate: n-Nonane</i>						
	97.1 %	50-200		05/01/23	05/02/23	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: BA		Batch: 2318016	
Chloride	5620	40.0	2	05/01/23	05/02/23	



Sample Data

Pima Environmental Services-Carlsbad
PO Box 247
Plains TX, 79355-0247

Project Name: MCA 265
Project Number: 21064-0001
Project Manager: Tom Bynum

Reported:
5/4/2023 8:38:32AM

S2 - 6'

E304209-07

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: SL		Batch: 2318008
Benzene	ND	0.0250	1	05/01/23	05/02/23	
Ethylbenzene	0.0765	0.0250	1	05/01/23	05/02/23	
Toluene	0.0434	0.0250	1	05/01/23	05/02/23	
o-Xylene	0.0404	0.0250	1	05/01/23	05/02/23	
p,m-Xylene	0.0929	0.0500	1	05/01/23	05/02/23	
Total Xylenes	0.133	0.0250	1	05/01/23	05/02/23	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	91.8 %	70-130		05/01/23	05/02/23	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: SL		Batch: 2318008
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/01/23	05/02/23	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	93.1 %	70-130		05/01/23	05/02/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: JL		Batch: 2318003
Diesel Range Organics (C10-C28)	944	50.0	2	05/01/23	05/02/23	
Oil Range Organics (C28-C36)	533	100	2	05/01/23	05/02/23	
<i>Surrogate: n-Nonane</i>						
	94.0 %	50-200		05/01/23	05/02/23	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: BA		Batch: 2318016
Chloride	498	20.0	1	05/01/23	05/02/23	



Sample Data

Pima Environmental Services-Carlsbad
PO Box 247
Plains TX, 79355-0247

Project Name: MCA 265
Project Number: 21064-0001
Project Manager: Tom Bynum

Reported:
5/4/2023 8:38:32AM

S2 - 7'

E304209-08

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: SL		Batch: 2318008
Benzene	ND	0.0250	1	05/01/23	05/02/23	
Ethylbenzene	0.111	0.0250	1	05/01/23	05/02/23	
Toluene	0.0460	0.0250	1	05/01/23	05/02/23	
o-Xylene	0.0676	0.0250	1	05/01/23	05/02/23	
p,m-Xylene	0.131	0.0500	1	05/01/23	05/02/23	
Total Xylenes	0.199	0.0250	1	05/01/23	05/02/23	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	93.2 %	70-130		05/01/23	05/02/23	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: SL		Batch: 2318008
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/01/23	05/02/23	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	88.9 %	70-130		05/01/23	05/02/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: JL		Batch: 2318003
Diesel Range Organics (C10-C28)	344	25.0	1	05/01/23	05/02/23	
Oil Range Organics (C28-C36)	187	50.0	1	05/01/23	05/02/23	
<i>Surrogate: n-Nonane</i>						
	99.7 %	50-200		05/01/23	05/02/23	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: BA		Batch: 2318016
Chloride	216	20.0	1	05/01/23	05/02/23	



Sample Data

Pima Environmental Services-Carlsbad
PO Box 247
Plains TX, 79355-0247

Project Name: MCA 265
Project Number: 21064-0001
Project Manager: Tom Bynum

Reported:
5/4/2023 8:38:32AM

S2 - 8'

E304209-09

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: SL		Batch: 2318008
Benzene	ND	0.0250	1	05/01/23	05/02/23	
Ethylbenzene	0.0750	0.0250	1	05/01/23	05/02/23	
Toluene	0.0528	0.0250	1	05/01/23	05/02/23	
o-Xylene	0.0368	0.0250	1	05/01/23	05/02/23	
p,m-Xylene	0.0856	0.0500	1	05/01/23	05/02/23	
Total Xylenes	0.122	0.0250	1	05/01/23	05/02/23	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	92.9 %	70-130		05/01/23	05/02/23	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: SL		Batch: 2318008
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/01/23	05/02/23	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	85.6 %	70-130		05/01/23	05/02/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: JL		Batch: 2318003
Diesel Range Organics (C10-C28)	ND	25.0	1	05/01/23	05/02/23	
Oil Range Organics (C28-C36)	ND	50.0	1	05/01/23	05/02/23	
<i>Surrogate: n-Nonane</i>						
	98.5 %	50-200		05/01/23	05/02/23	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: BA		Batch: 2318016
Chloride	ND	20.0	1	05/01/23	05/02/23	



Sample Data

Pima Environmental Services-Carlsbad
PO Box 247
Plains TX, 79355-0247

Project Name: MCA 265
Project Number: 21064-0001
Project Manager: Tom Bynum

Reported:
5/4/2023 8:38:32AM

S2 - 9'

E304209-10

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: SL		Batch: 2318008
Benzene	ND	0.0250	1	05/01/23	05/02/23	
Ethylbenzene	ND	0.0250	1	05/01/23	05/02/23	
Toluene	ND	0.0250	1	05/01/23	05/02/23	
o-Xylene	ND	0.0250	1	05/01/23	05/02/23	
p,m-Xylene	ND	0.0500	1	05/01/23	05/02/23	
Total Xylenes	ND	0.0250	1	05/01/23	05/02/23	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	94.1 %	70-130		05/01/23	05/02/23	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: SL		Batch: 2318008
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/01/23	05/02/23	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	84.5 %	70-130		05/01/23	05/02/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: JL		Batch: 2318003
Diesel Range Organics (C10-C28)	ND	25.0	1	05/01/23	05/02/23	
Oil Range Organics (C28-C36)	ND	50.0	1	05/01/23	05/02/23	
<i>Surrogate: n-Nonane</i>						
	94.1 %	50-200		05/01/23	05/02/23	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: BA		Batch: 2318016
Chloride	ND	20.0	1	05/01/23	05/02/23	



QC Summary Data

Pima Environmental Services-Carlsbad	Project Name:	MCA 265	Reported:
PO Box 247	Project Number:	21064-0001	
Plains TX, 79355-0247	Project Manager:	Tom Bynum	5/4/2023 8:38:32AM

Volatile Organics by EPA 8021B

Analyst: SL

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
---------	-----------------	-----------------------------	-------------------------	---------------------------	----------	--------------------	----------	-------------------	-------

Blank (2318008-BLK1)

Prepared: 05/01/23 Analyzed: 05/02/23

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	7.34		8.00		91.8	70-130			

LCS (2318008-BS1)

Prepared: 05/01/23 Analyzed: 05/02/23

Benzene	4.69	0.0250	5.00		93.7	70-130			
Ethylbenzene	4.87	0.0250	5.00		97.3	70-130			
Toluene	4.95	0.0250	5.00		99.0	70-130			
o-Xylene	4.97	0.0250	5.00		99.4	70-130			
p,m-Xylene	9.89	0.0500	10.0		98.9	70-130			
Total Xylenes	14.9	0.0250	15.0		99.0	70-130			
Surrogate: 4-Bromochlorobenzene-PID	7.44		8.00		93.1	70-130			

Matrix Spike (2318008-MS1)

Source: E304209-02

Prepared: 05/01/23 Analyzed: 05/02/23

Benzene	4.49	0.0250	5.00	ND	89.8	54-133			
Ethylbenzene	4.71	0.0250	5.00	0.0900	92.4	61-133			
Toluene	4.77	0.0250	5.00	0.0449	94.5	61-130			
o-Xylene	4.79	0.0250	5.00	0.0446	94.9	63-131			
p,m-Xylene	9.53	0.0500	10.0	0.0987	94.4	63-131			
Total Xylenes	14.3	0.0250	15.0	0.143	94.5	63-131			
Surrogate: 4-Bromochlorobenzene-PID	7.42		8.00		92.7	70-130			

Matrix Spike Dup (2318008-MSD1)

Source: E304209-02

Prepared: 05/01/23 Analyzed: 05/02/23

Benzene	4.63	0.0250	5.00	ND	92.6	54-133	3.00	20	
Ethylbenzene	4.85	0.0250	5.00	0.0900	95.1	61-133	2.87	20	
Toluene	4.90	0.0250	5.00	0.0449	97.2	61-130	2.74	20	
o-Xylene	4.93	0.0250	5.00	0.0446	97.7	63-131	2.87	20	
p,m-Xylene	9.79	0.0500	10.0	0.0987	96.9	63-131	2.67	20	
Total Xylenes	14.7	0.0250	15.0	0.143	97.2	63-131	2.74	20	
Surrogate: 4-Bromochlorobenzene-PID	7.30		8.00		91.2	70-130			



QC Summary Data

Pima Environmental Services-Carlsbad	Project Name:	MCA 265	Reported:
PO Box 247	Project Number:	21064-0001	
Plains TX, 79355-0247	Project Manager:	Tom Bynum	5/4/2023 8:38:32AM

Nonhalogenated Organics by EPA 8015D - GRO

Analyst: SL

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
---------	-----------------	-----------------------------	-------------------------	---------------------------	----------	--------------------	----------	-------------------	-------

Blank (2318008-BLK1) Prepared: 05/01/23 Analyzed: 05/02/23

Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.71		8.00		96.4	70-130			

LCS (2318008-BS2) Prepared: 05/01/23 Analyzed: 05/02/23

Gasoline Range Organics (C6-C10)	44.0	20.0	50.0		88.0	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.85		8.00		98.2	70-130			

Matrix Spike (2318008-MS2) Source: E304209-02 Prepared: 05/01/23 Analyzed: 05/03/23

Gasoline Range Organics (C6-C10)	52.4	20.0	50.0	ND	105	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.87		8.00		98.4	70-130			

Matrix Spike Dup (2318008-MSD2) Source: E304209-02 Prepared: 05/01/23 Analyzed: 05/03/23

Gasoline Range Organics (C6-C10)	50.4	20.0	50.0	ND	101	70-130	3.77	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.51		8.00		93.8	70-130			



QC Summary Data

Pima Environmental Services-Carlsbad	Project Name:	MCA 265	Reported:
PO Box 247	Project Number:	21064-0001	
Plains TX, 79355-0247	Project Manager:	Tom Bynum	5/4/2023 8:38:32AM

Nonhalogenated Organics by EPA 8015D - DRO/ORO

Analyst: JL

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
---------	-----------------	-----------------------------	-------------------------	---------------------------	----------	--------------------	----------	-------------------	-------

Blank (2318003-BLK1)					Prepared: 05/01/23 Analyzed: 05/01/23				
Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	51.3		50.0		103	50-200			

LCS (2318003-BS1)					Prepared: 05/01/23 Analyzed: 05/01/23				
Diesel Range Organics (C10-C28)	269	25.0	250		108	38-132			
Surrogate: n-Nonane	45.0		50.0		90.0	50-200			

Matrix Spike (2318003-MS1)					Source: E304209-01		Prepared: 05/01/23 Analyzed: 05/02/23		
Diesel Range Organics (C10-C28)	6230	1250	250	4590	655	38-132			M4
Surrogate: n-Nonane	52.1		50.0		104	50-200			

Matrix Spike Dup (2318003-MSD1)					Source: E304209-01		Prepared: 05/01/23 Analyzed: 05/02/23		
Diesel Range Organics (C10-C28)	6210	1250	250	4590	646	38-132	0.346	20	M4
Surrogate: n-Nonane	50.6		50.0		101	50-200			



QC Summary Data

Pima Environmental Services-Carlsbad	Project Name:	MCA 265	Reported:
PO Box 247	Project Number:	21064-0001	
Plains TX, 79355-0247	Project Manager:	Tom Bynum	5/4/2023 8:38:32AM

Anions by EPA 300.0/9056A

Analyst: BA

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	

Blank (2318016-BLK1)					Prepared: 05/01/23 Analyzed: 05/02/23				
Chloride	ND	20.0							
LCS (2318016-BS1)					Prepared: 05/01/23 Analyzed: 05/02/23				
Chloride	248	20.0	250		99.2	90-110			
Matrix Spike (2318016-MS1)					Source: E304203-01		Prepared: 05/01/23 Analyzed: 05/02/23		
Chloride	588	20.0	250	289	120	80-120			
Matrix Spike Dup (2318016-MSD1)					Source: E304203-01		Prepared: 05/01/23 Analyzed: 05/02/23		
Chloride	620	20.0	250	289	132	80-120	5.21	20	M2

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:	MCA 265	
PO Box 247	Project Number:	21064-0001	Reported:
Plains TX, 79355-0247	Project Manager:	Tom Bynum	05/04/23 08:38

M2	Matrix spike recovery was outside quality control limits. The associated LCS spike recovery was acceptable.
M4	Matrix spike recovery value is suspect since the analyte concentration in the sample is disproportionate to the spike level. The associated LCS spike recovery was acceptable.
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

Client: Pima Environmental Services						Bill To Attention: Pima								Lab Use Only Lab WO# E 304209 Job Number 21064-0001							TAT 1D 2D 3D Standard				EPA Program CWA SDWA	
Project: MCA 265						Address:																			RCRA	
Project Manager: Tom Bynum						City, State, Zip																				
Address: 5614 N. Lovington Hwy.						Phone:																				
City, State, Zip Hobbs, NM. 88240						Email:																				
Phone: 580-748-1613						Pima Project # 24-3																				
Email: tom@pimaoil.com																										
Report due by:																										
Analysis and Method																		State								
DRO/ORO by 8015 GRO/DRO by 8015 BTEX by 8021 VOC by 8260 Metals 6010 Chloride 300.0 BGDOC NM BGDOC TX																		NM CO UT AZ TX								
Time Sampled Date Sampled Matrix No. of Containers Sample ID Lab Number																		Remarks								
4/26/23 Soil 1 S1-5' 1																		X								
S1-6' 2																										
S1-7' 3																										
S1-8' 4																										
S1-9' 5																										
S2-5' 6																										
S2-6' 7																										
S2-7' 8																										
S2-8' 9																										
S2-9' 10																										
Additional Instructions: I, (field sampler), attest to the validity and authenticity of this sample. I am aware that tampering with or intentionally mislabelling the sample location, date or time of collection is considered fraud and may be grounds for legal action. Relinquished by: (Signature) Date Time Received by: (Signature) Date Time Michelle Kuyper 4-27-23 2:00 Michelle Kuyper 4-27-23 14:00 Received on ice: [initials] N T1 T2 T3 AVG Temp °C 4 Sample Matrix: S - Soil, Sd - Solid, Sg - Sludge, A - Aqueous, O - Other Note: Samples are discarded 30 days after results are reported unless other arrangements are made. Hazardous samples will be returned to client or disposed of at the client expense. The report for the analysis of the above samples is applicable only to those samples received by the laboratory with this COC. The liability of the laboratory is limited to the amount paid for on the report.																										

Envirotech Analytical Laboratory

Printed: 4/28/2023 12:55:05PM

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:	04/28/23 08:45	Work Order ID:	E304209
Phone:	(575) 631-6977	Date Logged In:	04/27/23 16:43	Logged In By:	Caitlin Christian
Email:	tom@pimaoil.com	Due Date:	05/04/23 17:00 (4 day TAT)		

Chain of Custody (COC)

1. Does the sample ID match the COC? Yes
2. Does the number of samples per sampling site location match the COC? Yes
3. Were samples dropped off by client or carrier? Yes
4. Was the COC complete, i.e., signatures, dates/times, requested analyses? Yes
5. Were all samples received within holding time? Yes

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

Carrier: CourierComments/Resolution

Time sampled not provided on COC by client.

Sample Turn Around Time (TAT)

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

Sample Cooler

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

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

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

Sample Container

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

Field Label

20. Were field sample labels filled out with the minimum information:
 - Sample ID? Yes
 - Date/Time Collected? Yes
 - Collectors name? Yes

Sample Preservation

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

Multiphase Sample Matrix

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

Subcontract Laboratory

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

Client Instruction

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

Date



envirotech Inc.

Report to:
Tom Bynum



envirotech

Practical Solutions for a Better Tomorrow

Analytical Report

Pima Environmental Services-Carlsbad

Project Name: MCA 265

Work Order: E306096

Job Number: 21064-0001

Received: 6/13/2023

Revision: 1

Report Reviewed By:

Walter Hinchman
Laboratory Director
6/14/23

5796 U.S. Hwy 64
Farmington, NM 87401

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



Envirotech Inc. certifies the test results meet all requirements of TNI unless noted otherwise.
Statement of Data Authenticity: Envirotech Inc. attests the data reported has not been altered in any way.
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: 6/14/23

Tom Bynum
PO Box 247
Plains, TX 79355-0247



Project Name: MCA 265
Workorder: E306096
Date Received: 6/13/2023 7:30:00AM

Tom Bynum,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 6/13/2023 7:30:00AM, under the Project Name: MCA 265.

The analytical test results summarized in this report with the Project Name: MCA 265 apply to the individual samples collected, identified and submitted bearing the project name on the enclosed chain-of-custody. Subcontracted sample analyses not conducted by Envirotech, Inc., are attached in full as issued by the subcontract laboratory.

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

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

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

Respectfully,

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
ljjarboe@envirotech-inc.com

West Texas Midland/Odessa Area
Rayny Hagan
Technical Representative
Office: 505-421-LABS(5227)

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
CSW1	12
CSW2	13
CSW3	14
CSW4	15
CSW5	16
CSW6	17
CSW7	18
CSW8	19
QC Summary Data	20
QC - Volatile Organics by EPA 8021B	20
QC - Nonhalogenated Organics by EPA 8015D - GRO	21
QC - Nonhalogenated Organics by EPA 8015D - DRO/ORO	22
QC - Anions by EPA 300.0/9056A	23
Definitions and Notes	24

Table of Contents (continued)

Chain of Custody etc.

25

Sample Summary

Pima Environmental Services-Carlsbad	Project Name:	MCA 265	Reported: 06/14/23 14:50
PO Box 247	Project Number:	21064-0001	
Plains TX, 79355-0247	Project Manager:	Tom Bynum	

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
CS1	E306096-01A	Soil	06/09/23	06/13/23	Glass Jar, 2 oz.
CS2	E306096-02A	Soil	06/09/23	06/13/23	Glass Jar, 2 oz.
CS3	E306096-03A	Soil	06/09/23	06/13/23	Glass Jar, 2 oz.
CS4	E306096-04A	Soil	06/09/23	06/13/23	Glass Jar, 2 oz.
CS5	E306096-05A	Soil	06/09/23	06/13/23	Glass Jar, 2 oz.
CS6	E306096-06A	Soil	06/09/23	06/13/23	Glass Jar, 2 oz.
CSW1	E306096-07A	Soil	06/09/23	06/13/23	Glass Jar, 2 oz.
CSW2	E306096-08A	Soil	06/09/23	06/13/23	Glass Jar, 2 oz.
CSW3	E306096-09A	Soil	06/09/23	06/13/23	Glass Jar, 2 oz.
CSW4	E306096-10A	Soil	06/09/23	06/13/23	Glass Jar, 2 oz.
CSW5	E306096-11A	Soil	06/09/23	06/13/23	Glass Jar, 2 oz.
CSW6	E306096-12A	Soil	06/09/23	06/13/23	Glass Jar, 2 oz.
CSW7	E306096-13A	Soil	06/09/23	06/13/23	Glass Jar, 2 oz.
CSW8	E306096-14A	Soil	06/09/23	06/13/23	Glass Jar, 2 oz.



Sample Data

Pima Environmental Services-Carlsbad
PO Box 247
Plains TX, 79355-0247

Project Name: MCA 265
Project Number: 21064-0001
Project Manager: Tom Bynum

Reported:
6/14/2023 2:50:07PM

CS1

E306096-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2324016
Benzene	ND	0.0250	1	06/13/23	06/13/23	
Ethylbenzene	ND	0.0250	1	06/13/23	06/13/23	
Toluene	ND	0.0250	1	06/13/23	06/13/23	
o-Xylene	ND	0.0250	1	06/13/23	06/13/23	
p,m-Xylene	ND	0.0500	1	06/13/23	06/13/23	
Total Xylenes	ND	0.0250	1	06/13/23	06/13/23	
Surrogate: 4-Bromochlorobenzene-PID	93.4 %	70-130		06/13/23	06/13/23	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2324016
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/13/23	06/13/23	
Surrogate: 1-Chloro-4-fluorobenzene-FID	94.0 %	70-130		06/13/23	06/13/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: KM		Batch: 2324015
Diesel Range Organics (C10-C28)	ND	25.0	1	06/13/23	06/13/23	
Oil Range Organics (C28-C36)	ND	50.0	1	06/13/23	06/13/23	
Surrogate: n-Nonane	66.0 %	50-200		06/13/23	06/13/23	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: BA		Batch: 2324017
Chloride	ND	20.0	1	06/13/23	06/13/23	



Sample Data

Pima Environmental Services-Carlsbad
PO Box 247
Plains TX, 79355-0247

Project Name: MCA 265
Project Number: 21064-0001
Project Manager: Tom Bynum

Reported:
6/14/2023 2:50:07PM

CS2

E306096-02

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg	Analyst: IY		Batch: 2324016	
Benzene	ND	0.0250	1	06/13/23	06/13/23	
Ethylbenzene	ND	0.0250	1	06/13/23	06/13/23	
Toluene	ND	0.0250	1	06/13/23	06/13/23	
o-Xylene	ND	0.0250	1	06/13/23	06/13/23	
p,m-Xylene	ND	0.0500	1	06/13/23	06/13/23	
Total Xylenes	ND	0.0250	1	06/13/23	06/13/23	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	93.9 %	70-130		06/13/23	06/13/23	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg	Analyst: IY		Batch: 2324016	
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/13/23	06/13/23	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	95.5 %	70-130		06/13/23	06/13/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg	Analyst: KM		Batch: 2324015	
Diesel Range Organics (C10-C28)	ND	25.0	1	06/13/23	06/13/23	
Oil Range Organics (C28-C36)	ND	50.0	1	06/13/23	06/13/23	
<i>Surrogate: n-Nonane</i>						
	66.6 %	50-200		06/13/23	06/13/23	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: BA		Batch: 2324017	
Chloride	ND	20.0	1	06/13/23	06/13/23	



Sample Data

Pima Environmental Services-Carlsbad
PO Box 247
Plains TX, 79355-0247

Project Name: MCA 265
Project Number: 21064-0001
Project Manager: Tom Bynum

Reported:
6/14/2023 2:50:07PM

CS3

E306096-03

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2324016
Benzene	ND	0.0250	1	06/13/23	06/13/23	
Ethylbenzene	ND	0.0250	1	06/13/23	06/13/23	
Toluene	ND	0.0250	1	06/13/23	06/13/23	
o-Xylene	ND	0.0250	1	06/13/23	06/13/23	
p,m-Xylene	ND	0.0500	1	06/13/23	06/13/23	
Total Xylenes	ND	0.0250	1	06/13/23	06/13/23	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		92.8 %	70-130	06/13/23	06/13/23	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2324016
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/13/23	06/13/23	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		94.6 %	70-130	06/13/23	06/13/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: KM		Batch: 2324015
Diesel Range Organics (C10-C28)	ND	25.0	1	06/13/23	06/13/23	
Oil Range Organics (C28-C36)	ND	50.0	1	06/13/23	06/13/23	
<i>Surrogate: n-Nonane</i>						
		69.4 %	50-200	06/13/23	06/13/23	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: BA		Batch: 2324017
Chloride	ND	20.0	1	06/13/23	06/13/23	



Sample Data

Pima Environmental Services-Carlsbad
PO Box 247
Plains TX, 79355-0247

Project Name: MCA 265
Project Number: 21064-0001
Project Manager: Tom Bynum

Reported:
6/14/2023 2:50:07PM

CS4

E306096-04

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2324016
Benzene	ND	0.0250	1	06/13/23	06/13/23	
Ethylbenzene	ND	0.0250	1	06/13/23	06/13/23	
Toluene	ND	0.0250	1	06/13/23	06/13/23	
o-Xylene	ND	0.0250	1	06/13/23	06/13/23	
p,m-Xylene	ND	0.0500	1	06/13/23	06/13/23	
Total Xylenes	ND	0.0250	1	06/13/23	06/13/23	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	95.0 %	70-130		06/13/23	06/13/23	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2324016
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/13/23	06/13/23	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	92.1 %	70-130		06/13/23	06/13/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: KM		Batch: 2324015
Diesel Range Organics (C10-C28)	ND	25.0	1	06/13/23	06/13/23	
Oil Range Organics (C28-C36)	ND	50.0	1	06/13/23	06/13/23	
<i>Surrogate: n-Nonane</i>						
	65.9 %	50-200		06/13/23	06/13/23	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: BA		Batch: 2324017
Chloride	ND	20.0	1	06/13/23	06/13/23	



Sample Data

Pima Environmental Services-Carlsbad
PO Box 247
Plains TX, 79355-0247

Project Name: MCA 265
Project Number: 21064-0001
Project Manager: Tom Bynum

Reported:
6/14/2023 2:50:07PM

CS5

E306096-05

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg	Analyst: IY		Batch: 2324016	
Benzene	ND	0.0250	1	06/13/23	06/13/23	
Ethylbenzene	ND	0.0250	1	06/13/23	06/13/23	
Toluene	ND	0.0250	1	06/13/23	06/13/23	
o-Xylene	ND	0.0250	1	06/13/23	06/13/23	
p,m-Xylene	ND	0.0500	1	06/13/23	06/13/23	
Total Xylenes	ND	0.0250	1	06/13/23	06/13/23	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	95.5 %	70-130		06/13/23	06/13/23	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg	Analyst: IY		Batch: 2324016	
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/13/23	06/13/23	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	91.4 %	70-130		06/13/23	06/13/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg	Analyst: KM		Batch: 2324015	
Diesel Range Organics (C10-C28)	ND	25.0	1	06/13/23	06/13/23	
Oil Range Organics (C28-C36)	ND	50.0	1	06/13/23	06/13/23	
<i>Surrogate: n-Nonane</i>						
	67.1 %	50-200		06/13/23	06/13/23	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: BA		Batch: 2324017	
Chloride	ND	20.0	1	06/13/23	06/13/23	



Sample Data

Pima Environmental Services-Carlsbad
PO Box 247
Plains TX, 79355-0247

Project Name: MCA 265
Project Number: 21064-0001
Project Manager: Tom Bynum

Reported:
6/14/2023 2:50:07PM

CS6

E306096-06

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg	Analyst: IY		Batch: 2324016	
Benzene	ND	0.0250	1	06/13/23	06/13/23	
Ethylbenzene	ND	0.0250	1	06/13/23	06/13/23	
Toluene	ND	0.0250	1	06/13/23	06/13/23	
o-Xylene	ND	0.0250	1	06/13/23	06/13/23	
p,m-Xylene	ND	0.0500	1	06/13/23	06/13/23	
Total Xylenes	ND	0.0250	1	06/13/23	06/13/23	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	96.6 %	70-130		06/13/23	06/13/23	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg	Analyst: IY		Batch: 2324016	
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/13/23	06/13/23	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	90.9 %	70-130		06/13/23	06/13/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg	Analyst: KM		Batch: 2324015	
Diesel Range Organics (C10-C28)	ND	25.0	1	06/13/23	06/13/23	
Oil Range Organics (C28-C36)	ND	50.0	1	06/13/23	06/13/23	
<i>Surrogate: n-Nonane</i>						
	65.0 %	50-200		06/13/23	06/13/23	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: BA		Batch: 2324017	
Chloride	ND	20.0	1	06/13/23	06/13/23	



Sample Data

Pima Environmental Services-Carlsbad
PO Box 247
Plains TX, 79355-0247

Project Name: MCA 265
Project Number: 21064-0001
Project Manager: Tom Bynum

Reported:
6/14/2023 2:50:07PM

CSW1

E306096-07

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2324016
Benzene	ND	0.0250	1	06/13/23	06/13/23	
Ethylbenzene	ND	0.0250	1	06/13/23	06/13/23	
Toluene	ND	0.0250	1	06/13/23	06/13/23	
o-Xylene	ND	0.0250	1	06/13/23	06/13/23	
p,m-Xylene	ND	0.0500	1	06/13/23	06/13/23	
Total Xylenes	ND	0.0250	1	06/13/23	06/13/23	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	95.0 %	70-130		06/13/23	06/13/23	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2324016
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/13/23	06/13/23	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	93.2 %	70-130		06/13/23	06/13/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: KM		Batch: 2324015
Diesel Range Organics (C10-C28)	ND	25.0	1	06/13/23	06/13/23	
Oil Range Organics (C28-C36)	ND	50.0	1	06/13/23	06/13/23	
<i>Surrogate: n-Nonane</i>						
	70.9 %	50-200		06/13/23	06/13/23	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: BA		Batch: 2324017
Chloride	ND	20.0	1	06/13/23	06/13/23	



Sample Data

Pima Environmental Services-Carlsbad
PO Box 247
Plains TX, 79355-0247

Project Name: MCA 265
Project Number: 21064-0001
Project Manager: Tom Bynum

Reported:
6/14/2023 2:50:07PM

CSW2

E306096-08

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2324016
Benzene	ND	0.0250	1	06/13/23	06/13/23	
Ethylbenzene	ND	0.0250	1	06/13/23	06/13/23	
Toluene	ND	0.0250	1	06/13/23	06/13/23	
o-Xylene	ND	0.0250	1	06/13/23	06/13/23	
p,m-Xylene	ND	0.0500	1	06/13/23	06/13/23	
Total Xylenes	ND	0.0250	1	06/13/23	06/13/23	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	98.5 %	70-130		06/13/23	06/13/23	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2324016
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/13/23	06/13/23	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	91.3 %	70-130		06/13/23	06/13/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: KM		Batch: 2324015
Diesel Range Organics (C10-C28)	ND	25.0	1	06/13/23	06/13/23	
Oil Range Organics (C28-C36)	ND	50.0	1	06/13/23	06/13/23	
<i>Surrogate: n-Nonane</i>						
	69.8 %	50-200		06/13/23	06/13/23	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: BA		Batch: 2324017
Chloride	ND	20.0	1	06/13/23	06/13/23	



Sample Data

Pima Environmental Services-Carlsbad
PO Box 247
Plains TX, 79355-0247

Project Name: MCA 265
Project Number: 21064-0001
Project Manager: Tom Bynum

Reported:
6/14/2023 2:50:07PM

CSW3

E306096-09

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2324016
Benzene	ND	0.0250	1	06/13/23	06/13/23	
Ethylbenzene	ND	0.0250	1	06/13/23	06/13/23	
Toluene	ND	0.0250	1	06/13/23	06/13/23	
o-Xylene	ND	0.0250	1	06/13/23	06/13/23	
p,m-Xylene	ND	0.0500	1	06/13/23	06/13/23	
Total Xylenes	ND	0.0250	1	06/13/23	06/13/23	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	96.4 %	70-130		06/13/23	06/13/23	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2324016
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/13/23	06/13/23	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	93.0 %	70-130		06/13/23	06/13/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: KM		Batch: 2324015
Diesel Range Organics (C10-C28)	ND	25.0	1	06/13/23	06/13/23	
Oil Range Organics (C28-C36)	ND	50.0	1	06/13/23	06/13/23	
<i>Surrogate: n-Nonane</i>						
	70.3 %	50-200		06/13/23	06/13/23	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: BA		Batch: 2324017
Chloride	ND	20.0	1	06/13/23	06/13/23	



Sample Data

Pima Environmental Services-Carlsbad
PO Box 247
Plains TX, 79355-0247

Project Name: MCA 265
Project Number: 21064-0001
Project Manager: Tom Bynum

Reported:
6/14/2023 2:50:07PM

CSW4

E306096-10

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2324016
Benzene	ND	0.0250	1	06/13/23	06/13/23	
Ethylbenzene	ND	0.0250	1	06/13/23	06/13/23	
Toluene	ND	0.0250	1	06/13/23	06/13/23	
o-Xylene	ND	0.0250	1	06/13/23	06/13/23	
p,m-Xylene	ND	0.0500	1	06/13/23	06/13/23	
Total Xylenes	ND	0.0250	1	06/13/23	06/13/23	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	96.6 %	70-130		06/13/23	06/13/23	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2324016
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/13/23	06/13/23	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	89.5 %	70-130		06/13/23	06/13/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: KM		Batch: 2324015
Diesel Range Organics (C10-C28)	ND	25.0	1	06/13/23	06/13/23	
Oil Range Organics (C28-C36)	ND	50.0	1	06/13/23	06/13/23	
<i>Surrogate: n-Nonane</i>						
	67.9 %	50-200		06/13/23	06/13/23	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: BA		Batch: 2324017
Chloride	ND	20.0	1	06/13/23	06/13/23	



Sample Data

Pima Environmental Services-Carlsbad
PO Box 247
Plains TX, 79355-0247

Project Name: MCA 265
Project Number: 21064-0001
Project Manager: Tom Bynum

Reported:
6/14/2023 2:50:07PM

CSW5

E306096-11

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2324016
Benzene	ND	0.0250	1	06/13/23	06/13/23	
Ethylbenzene	ND	0.0250	1	06/13/23	06/13/23	
Toluene	ND	0.0250	1	06/13/23	06/13/23	
o-Xylene	ND	0.0250	1	06/13/23	06/13/23	
p,m-Xylene	ND	0.0500	1	06/13/23	06/13/23	
Total Xylenes	ND	0.0250	1	06/13/23	06/13/23	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	96.3 %	70-130		06/13/23	06/13/23	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2324016
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/13/23	06/13/23	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	90.7 %	70-130		06/13/23	06/13/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: KM		Batch: 2324015
Diesel Range Organics (C10-C28)	ND	25.0	1	06/13/23	06/13/23	
Oil Range Organics (C28-C36)	ND	50.0	1	06/13/23	06/13/23	
<i>Surrogate: n-Nonane</i>						
	69.4 %	50-200		06/13/23	06/13/23	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: BA		Batch: 2324017
Chloride	ND	20.0	1	06/13/23	06/13/23	



Sample Data

Pima Environmental Services-Carlsbad
PO Box 247
Plains TX, 79355-0247

Project Name: MCA 265
Project Number: 21064-0001
Project Manager: Tom Bynum

Reported:
6/14/2023 2:50:07PM

CSW6

E306096-12

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2324016
Benzene	ND	0.0250	1	06/13/23	06/13/23	
Ethylbenzene	ND	0.0250	1	06/13/23	06/13/23	
Toluene	ND	0.0250	1	06/13/23	06/13/23	
o-Xylene	ND	0.0250	1	06/13/23	06/13/23	
p,m-Xylene	ND	0.0500	1	06/13/23	06/13/23	
Total Xylenes	ND	0.0250	1	06/13/23	06/13/23	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	94.0 %	70-130		06/13/23	06/13/23	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2324016
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/13/23	06/13/23	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	90.5 %	70-130		06/13/23	06/13/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: KM		Batch: 2324015
Diesel Range Organics (C10-C28)	ND	25.0	1	06/13/23	06/13/23	
Oil Range Organics (C28-C36)	ND	50.0	1	06/13/23	06/13/23	
<i>Surrogate: n-Nonane</i>						
	67.1 %	50-200		06/13/23	06/13/23	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: BA		Batch: 2324017
Chloride	ND	20.0	1	06/13/23	06/13/23	



Sample Data

Pima Environmental Services-Carlsbad
PO Box 247
Plains TX, 79355-0247

Project Name: MCA 265
Project Number: 21064-0001
Project Manager: Tom Bynum

Reported:
6/14/2023 2:50:07PM

CSW7

E306096-13

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2324016
Benzene	ND	0.0250	1	06/13/23	06/13/23	
Ethylbenzene	ND	0.0250	1	06/13/23	06/13/23	
Toluene	ND	0.0250	1	06/13/23	06/13/23	
o-Xylene	ND	0.0250	1	06/13/23	06/13/23	
p,m-Xylene	ND	0.0500	1	06/13/23	06/13/23	
Total Xylenes	ND	0.0250	1	06/13/23	06/13/23	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	94.4 %	70-130		06/13/23	06/13/23	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2324016
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/13/23	06/13/23	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	90.4 %	70-130		06/13/23	06/13/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: KM		Batch: 2324015
Diesel Range Organics (C10-C28)	ND	25.0	1	06/13/23	06/13/23	
Oil Range Organics (C28-C36)	ND	50.0	1	06/13/23	06/13/23	
<i>Surrogate: n-Nonane</i>						
	71.4 %	50-200		06/13/23	06/13/23	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: BA		Batch: 2324017
Chloride	ND	20.0	1	06/13/23	06/13/23	



Sample Data

Pima Environmental Services-Carlsbad
PO Box 247
Plains TX, 79355-0247

Project Name: MCA 265
Project Number: 21064-0001
Project Manager: Tom Bynum

Reported:
6/14/2023 2:50:07PM

CSW8

E306096-14

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2324016
Benzene	ND	0.0250	1	06/13/23	06/13/23	
Ethylbenzene	ND	0.0250	1	06/13/23	06/13/23	
Toluene	ND	0.0250	1	06/13/23	06/13/23	
o-Xylene	ND	0.0250	1	06/13/23	06/13/23	
p,m-Xylene	ND	0.0500	1	06/13/23	06/13/23	
Total Xylenes	ND	0.0250	1	06/13/23	06/13/23	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	94.1 %	70-130		06/13/23	06/13/23	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2324016
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/13/23	06/13/23	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	92.0 %	70-130		06/13/23	06/13/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: KM		Batch: 2324015
Diesel Range Organics (C10-C28)	ND	25.0	1	06/13/23	06/13/23	
Oil Range Organics (C28-C36)	ND	50.0	1	06/13/23	06/13/23	
<i>Surrogate: n-Nonane</i>						
	72.1 %	50-200		06/13/23	06/13/23	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: BA		Batch: 2324017
Chloride	ND	20.0	1	06/13/23	06/13/23	



QC Summary Data

Pima Environmental Services-Carlsbad	Project Name:	MCA 265	Reported:
PO Box 247	Project Number:	21064-0001	
Plains TX, 79355-0247	Project Manager:	Tom Bynum	6/14/2023 2:50:07PM

Volatile Organics by EPA 8021B

Analyst: IY

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
---------	-----------------	-----------------------------	-------------------------	---------------------------	----------	--------------------	----------	-------------------	-------

Blank (2324016-BLK1)

Prepared: 06/13/23 Analyzed: 06/13/23

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	7.49		8.00		93.6	70-130			

LCS (2324016-BS1)

Prepared: 06/13/23 Analyzed: 06/13/23

Benzene	4.79	0.0250	5.00		95.8	70-130			
Ethylbenzene	4.73	0.0250	5.00		94.6	70-130			
Toluene	4.89	0.0250	5.00		97.9	70-130			
o-Xylene	4.86	0.0250	5.00		97.1	70-130			
p,m-Xylene	9.61	0.0500	10.0		96.1	70-130			
Total Xylenes	14.5	0.0250	15.0		96.5	70-130			
Surrogate: 4-Bromochlorobenzene-PID	7.44		8.00		93.0	70-130			

Matrix Spike (2324016-MS1)

Source: E306095-01

Prepared: 06/13/23 Analyzed: 06/13/23

Benzene	4.63	0.0250	5.00	ND	92.7	54-133			
Ethylbenzene	4.58	0.0250	5.00	ND	91.7	61-133			
Toluene	4.73	0.0250	5.00	ND	94.6	61-130			
o-Xylene	4.72	0.0250	5.00	ND	94.4	63-131			
p,m-Xylene	9.34	0.0500	10.0	ND	93.4	63-131			
Total Xylenes	14.1	0.0250	15.0	ND	93.8	63-131			
Surrogate: 4-Bromochlorobenzene-PID	7.52		8.00		94.0	70-130			

Matrix Spike Dup (2324016-MSD1)

Source: E306095-01

Prepared: 06/13/23 Analyzed: 06/13/23

Benzene	4.85	0.0250	5.00	ND	96.9	54-133	4.50	20	
Ethylbenzene	4.82	0.0250	5.00	ND	96.4	61-133	4.98	20	
Toluene	4.97	0.0250	5.00	ND	99.3	61-130	4.86	20	
o-Xylene	4.95	0.0250	5.00	ND	98.9	63-131	4.61	20	
p,m-Xylene	9.81	0.0500	10.0	ND	98.1	63-131	4.87	20	
Total Xylenes	14.8	0.0250	15.0	ND	98.4	63-131	4.78	20	
Surrogate: 4-Bromochlorobenzene-PID	7.51		8.00		93.9	70-130			



QC Summary Data

Pima Environmental Services-Carlsbad	Project Name:	MCA 265	Reported:
PO Box 247	Project Number:	21064-0001	
Plains TX, 79355-0247	Project Manager:	Tom Bynum	6/14/2023 2:50:07PM

Nonhalogenated Organics by EPA 8015D - GRO

Analyst: IY

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
---------	-----------------	-----------------------------	-------------------------	---------------------------	----------	--------------------	----------	-------------------	-------

Blank (2324016-BLK1)

Prepared: 06/13/23 Analyzed: 06/13/23

Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.32		8.00		91.5	70-130			

LCS (2324016-BS2)

Prepared: 06/13/23 Analyzed: 06/13/23

Gasoline Range Organics (C6-C10)	48.6	20.0	50.0		97.1	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.53		8.00		94.1	70-130			

Matrix Spike (2324016-MS2)

Source: E306095-01

Prepared: 06/13/23 Analyzed: 06/13/23

Gasoline Range Organics (C6-C10)	50.2	20.0	50.0	ND	100	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.46		8.00		93.3	70-130			

Matrix Spike Dup (2324016-MSD2)

Source: E306095-01

Prepared: 06/13/23 Analyzed: 06/13/23

Gasoline Range Organics (C6-C10)	48.2	20.0	50.0	ND	96.4	70-130	4.07	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.44		8.00		93.0	70-130			



QC Summary Data

Pima Environmental Services-Carlsbad	Project Name:	MCA 265	Reported:
PO Box 247	Project Number:	21064-0001	
Plains TX, 79355-0247	Project Manager:	Tom Bynum	6/14/2023 2:50:07PM

Nonhalogenated Organics by EPA 8015D - DRO/ORO

Analyst: KM

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
---------	-----------------	-----------------------------	-------------------------	---------------------------	----------	--------------------	----------	-------------------	-------

Blank (2324015-BLK1)					Prepared: 06/13/23 Analyzed: 06/13/23				
Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	35.1		50.0		70.2	50-200			

LCS (2324015-BS1)					Prepared: 06/13/23 Analyzed: 06/13/23				
Diesel Range Organics (C10-C28)	239	25.0	250		95.5	38-132			
Surrogate: n-Nonane	35.0		50.0		70.0	50-200			

Matrix Spike (2324015-MS1)					Source: E306096-05		Prepared: 06/13/23 Analyzed: 06/13/23		
Diesel Range Organics (C10-C28)	240	25.0	250	ND	96.1	38-132			
Surrogate: n-Nonane	35.4		50.0		70.7	50-200			

Matrix Spike Dup (2324015-MSD1)					Source: E306096-05		Prepared: 06/13/23 Analyzed: 06/13/23		
Diesel Range Organics (C10-C28)	246	25.0	250	ND	98.4	38-132	2.41	20	
Surrogate: n-Nonane	34.3		50.0		68.6	50-200			



QC Summary Data

Pima Environmental Services-Carlsbad	Project Name:	MCA 265	Reported:
PO Box 247	Project Number:	21064-0001	
Plains TX, 79355-0247	Project Manager:	Tom Bynum	6/14/2023 2:50:07PM

Anions by EPA 300.0/9056A

Analyst: BA

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	

Blank (2324017-BLK1)					Prepared: 06/13/23 Analyzed: 06/13/23				
Chloride	ND	20.0							
LCS (2324017-BS1)					Prepared: 06/13/23 Analyzed: 06/13/23				
Chloride	245	20.0	250		98.1	90-110			
Matrix Spike (2324017-MS1)					Source: E306095-01		Prepared: 06/13/23 Analyzed: 06/13/23		
Chloride	248	20.0	250	ND	99.3	80-120			
Matrix Spike Dup (2324017-MSD1)					Source: E306095-01		Prepared: 06/13/23 Analyzed: 06/13/23		
Chloride	250	20.0	250	ND	99.9	80-120	0.587	20	

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:	MCA 265	
PO Box 247	Project Number:	21064-0001	Reported:
Plains TX, 79355-0247	Project Manager:	Tom Bynum	06/14/23 14:50

- ND Analyte NOT DETECTED at or above the reporting limit
- NR Not Reported
- RPD Relative Percent Difference
- DNI Did Not Ignite

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

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

Project Information

Chain of Custody

Page 1 of 2

Client: Pima Environmental Services					Bill To		Lab Use Only		TAT				EPA Program			
Project: <u>MCA 265</u>					Attention: <u>Maverick</u>		Lab WO# <u>E.3060960</u>		Job Number <u>210604-0001</u>		1D	2D	3D	Standard	CWA	SDWA
Project Manager: Tom Bynum					Address:											
Address: 5614 N. Lovington Hwy.					City, State, Zip											RCRA
City, State, Zip <u>Hobbs, NM, 88240</u>					Phone:											
Phone: 580-748-1613					Email:											
Email: <u>tom@pimaoil.com</u>					Pima Project # <u>24-3</u>											
Report due by:																
Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Lab Number	DRO/DRO by 8015	GRO/DRO by 8015	BTEX by 8021	VOC by 8260	Metals 6010	Chloride 300.0		BGDOC NM	BGDOC TX	Remarks	
10:00	6/9	S	1	CS1	1								X			
10:05				CS2	2											
10:10				CS3	3											
10:15				CS4	4											
10:20				CS5	5											
10:25				CS6	6											
10:30				CSW1	7											
10:35				CSW2	8											
10:40				CSW3	9											
10:45				CSW4	10											
Additional Instructions: <u>Bill Pina</u>																
I, (field sampler), attest to the validity and authenticity of this sample. I am aware that tampering with or intentionally mislabeling the sample location, date or time of collection is considered fraud and may be grounds for legal action.											Samples requiring thermal preservation must be received on ice the day they are sampled or received packed in ice at an avg temp above 0 but less than 6 °C on subsequent days.					
Sampled by:																
Relinquished by: (Signature)		Date	Time	Received by: (Signature)		Date	Time	Lab Use Only Received on ice: <u>Y</u> / N T1 _____ T2 _____ T3 _____ AVG Temp °C <u>4</u>								
Relinquished by: (Signature)		Date	Time	Received by: (Signature)		Date	Time									
Relinquished by: (Signature)		Date	Time	Received by: (Signature)		Date	Time									
<u>Kerime Adams</u>		<u>6/12/23</u>	<u>230</u>	<u>Micelle Gungor</u>		<u>6-12-23</u>	<u>1430</u>									
<u>Micelle Gungor</u>		<u>6-12-23</u>	<u>1730</u>	<u>Andrew M...</u>		<u>6-12-23</u>	<u>1730</u>									
<u>Andrew M...</u>		<u>6-12-23</u>	<u>2300</u>	<u>Caitlin Man...</u>		<u>10/13/23</u>	<u>7:30</u>									
Sample Matrix: S - Soil, Sd - Solid, Sg - Sludge, A - Aqueous, O - Other _____											Container Type: g - glass, p - poly/plastic, ag - amber glass, v - VOA					
Note: Samples are discarded 30 days after results are reported unless other arrangements are made. Hazardous samples will be returned to client or disposed of at the client expense. The report for the analysis of the above samples is applicable only to those samples received by the laboratory with this COC. The liability of the laboratory is limited to the amount paid for on the report.																

Project Information

Chain of Custody

Page 2 of 2

Client: Pima Environmental Services		Bill To		Lab Use Only		TAT				EPA Program			
Project: <u>MCA 265</u>		Attention: <u>Maverick</u>		Lab WO# <u>E3060096</u>		Job Number <u>210604-0001</u>		1D	2D	3D	Standard	CWA	SDWA
Project Manager: Tom Bynum		Address:						<input checked="" type="checkbox"/>					
Address: 5614 N. Lovington Hwy.		City, State, Zip											RCRA
City, State, Zip <u>Hobbs, NM, 88240</u>		Phone:											
Phone: 580-748-1613		Email:											
Email: <u>tom@pimaoil.com</u>		Pima Project # <u>24-3</u>											
Report due by:													

Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Lab Number	DRO/DRO by 8015	GRO/DRO by 8015	BTEX by 8021	VOC by 8260	Metals 6010	Chloride 300.0			BGDOC NM	BGDOC TX			Remarks
10:50	6/9	S	1	CSW 5	11									<input checked="" type="checkbox"/>				
10:55				CSW 6	12													
11:00				CSW 7	13													
11:05 ^{Am}				CSW 8	14													

Additional Instructions: <u>Bill Pima</u>						Samples requiring thermal preservation must be received on ice the day they are sampled or received packed in ice at an avg temp above 0 but less than 6 °C on subsequent days.					
I, (field sampler), attest to the validity and authenticity of this sample. I am aware that tampering with or intentionally mislabelling the sample location, date or time of collection is considered fraud and may be grounds for legal action.						Sampled by:					
Relinquished by: (Signature)		Date	Time	Received by: (Signature)		Date	Time	Lab Use Only			
<u>Kaylene Adams</u>		<u>6/12/23</u>	<u>230</u>	<u>Michelle Camp</u>		<u>6-12-23</u>	<u>1430</u>	Received on ice: <u>(Y)</u> N			
Relinquished by: (Signature)		Date	Time	Received by: (Signature)		Date	Time	T1 _____ T2 _____ T3 _____			
<u>Michelle Camp</u>		<u>6-12-23</u>	<u>1730</u>	<u>Maria Mueso</u>		<u>6-12-23</u>	<u>1730</u>				
Relinquished by: (Signature)		Date	Time	Received by: (Signature)		Date	Time	AVG Temp °C <u>4</u>			
<u>Andrew Mueso</u>		<u>6-12-23</u>	<u>2300</u>	<u>Cathy Mueso</u>		<u>6/13/23</u>	<u>7:30</u>				
Sample Matrix: S - Soil, Sd - Solid, Sg - Sludge, A - Aqueous, O - Other _____						Container Type: g - glass, p - poly/plastic, ag - amber glass, v - VOA					
Note: Samples are discarded 30 days after results are reported unless other arrangements are made. Hazardous samples will be returned to client or disposed of at the client expense. The report for the analysis of the above samples is applicable only to those samples received by the laboratory with this COC. The liability of the laboratory is limited to the amount paid for on the report.											

Envirotech Analytical Laboratory

Printed: 6/13/2023 9:23:18AM

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:	06/13/23 07:30	Work Order ID:	E306096
Phone:	(575) 631-6977	Date Logged In:	06/12/23 16:44	Logged In By:	Caitlin Mars
Email:	tom@pimaoil.com	Due Date:	06/13/23 17:00 (0 day TAT)		

Chain of Custody (COC)

1. Does the sample ID match the COC? Yes
2. Does the number of samples per sampling site location match the COC? Yes
3. Were samples dropped off by client or carrier? Yes
4. Was the COC complete, i.e., signatures, dates/times, requested analyses? Yes
5. Were all samples received within holding time? Yes

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

Carrier: CourierComments/ResolutionSample Turn Around Time (TAT)

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

Sample Cooler

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

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

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

Sample Container

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

Field Label

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

Sample Preservation

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

Multiphase Sample Matrix

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

Subcontract Laboratory

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

Client Instruction

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

Date



envirotech Inc.

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

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

CONDITIONS

Action 237268

CONDITIONS

Operator: Maverick Permian LLC 1000 Main Street, Suite 2900 Houston, TX 77002	OGRID: 331199
	Action Number: 237268
	Action Type: [C-141] Release Corrective Action (C-141)

CONDITIONS

Created By	Condition	Condition Date
nvelez	Accepted for the record. Below the allowable quantity per 19.15.29.7B NMAC. Incident cancelled - 10/02/2023	10/2/2023