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

Attachments

Figures:
1- Location Map
2- Topographic Map
3- Karst Map
4- Initial Delineation Sample Map (03/06/2024)
5- Confirmation Sample Map (05/23/2024)
6- Confirmation Sample Map (06/14/2024)

Appendices:
Appendix A – Referenced Water Surveys
Appendix B – Soil Survey and Geological Data
Appendix C – 48 Hour Sampling Notification
Appendix D – Photographic Documentation
Appendix E – Laboratory Reports

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

June 27, 2024

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

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

Re: Site Assessment, Remediation, and Closure Report
2005 A OS (Government G #1)
API No. 30-025-24390
GPS: Latitude 32.63926 Longitude -103.51027
UL "O", Sec. 24, T19S, R34E
Lea County, NM
NMOCD Ref. No. NPAC0600427595

Pima Environmental Services, LLC (Pima) has been contracted by Armstrong Energy Corporation to conduct a spill assessment, carry out remediation activities, and submit this closure report for an unspecified amount of produced water released at the Government G #001 (Government) site. The initial C-141 form was not submitted at the time of the release and will be included in this report as advised by NMOCD personnel (Appendix C). The New Mexico Oil Conservation Division (NMOCD) assigned this incident Incident ID NPAC0600427595.

Site Characterization

The Government is located approximately 13.86 miles northwest of Monument, NM. This spill site is in Unit O, Section 24, Township 19S, Range 34E, Latitude 32.63926, Longitude -103.51027, Lea County, NM. Figure 1 references a Location map.

Per the New Mexico Bureau of Geology and Mineral Resources, the geology is Eolian and Piedmont deposits (Holocene to middle Pleistocene). The soil in this area is made up of Pyote soil and Dune Land, 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 Government (Figure 3). Additionally, no BLM survey was required for this location.

Based on the well water data from the New Mexico Office of the State Engineer water well (L 08941), is the nearest groundwater in this vicinity measuring 286 feet below grade surface (BGS), positioned roughly 0.98 miles away from the Government, drilled on July 08, 1982. Conversely, as per the United States Geological Survey well water data (USGS323855103294001), the nearest groundwater depth in this region is recorded at 66 feet BGS, situated approximately 1.17 miles away from the Government, with the last gauge conducted on January 27, 1971. For detailed references to water surveys and the precise locations of water wells, please refer to Appendix A, inclusive of the relevant maps. Notably, the Government is situated within an area with a low potential for karst, as illustrated in Figure 3. Additionally, a comprehensive Topographic Map is available for reference in Figure 2.

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

NPAC0600427595: On December 25, 2005, a small leak occurred in the firetube of a heater treater, causing the burner to catch fire inside the firebox. The lease was shut in, extinguishing the fire. A truck was called out to move the fluid from the heater to the battery. A small amount of produced water was observed on the ground immediately around the heater/treater. The remaining water and oil were drained from the heater/treater and moved to the battery. The lease was shut in, and preparations were made to repair the firetube. The volume of the spill was reported as unknown due to the lack of the original C-141. It is believed that the report was submitted to the NMOCD in 2005 but was subsequently lost. After discussing the matter with NMOCD personnel, it was suggested to include both the initial and final C-141 within this closure report.

Site Assessment and Soil Sampling Results

On March 6, 2024, Pima Environmental dispatched a field technician to the Government site to assess the release area beneath the heater treater vessel located on the southeast portion of the engineered pad. The earthen berm containment measures approximately 450 square feet. Pima collected two bottom samples (S1-S2) for vertical delineation. Additionally, four sidewall samples (SW1-SW4) were collected around the perimeter of the earthen berm for horizontal delineation. Vertical delineation samples were collected at depths ranging from 1 to 4 feet bgs, and horizontal delineation samples were collected at a depth of 1-foot bgs. All soil samples were jarred, placed on ice, and delivered to EnviroTech laboratories in Farmington, NM, for analytical analysis. The laboratory results from this sampling event are presented in the following data table. Figure 4 provides a initial assessment site map showing the location of each soil sample.

Sample Results (03-06-2024)

NMOCD Table 1 Closure Criteria 19.15.29 NMAC (Depth to Groundwater is >50')								
ARMSTRONG ENERGY - 2005 A OS (Government G #1)								
Sample Date: 3/6/2024		NM Approved Laboratory Results						
Sample ID	Depth (BGS)	BTEX mg/kg	Benzene mg/kg	GRO mg/kg	DRO mg/kg	MRO mg/kg	Total TPH mg/kg	Cl mg/kg
S1	1'	ND	ND	ND	ND	ND	ND	4280
	2'	ND	ND	ND	ND	ND	ND	760
	3'	ND	ND	ND	ND	ND	ND	28.1
	4'	ND	ND	ND	ND	ND	ND	451
S2	1'	ND	ND	ND	ND	ND	ND	3870
	2'	ND	ND	ND	ND	ND	ND	754
	3'	ND	ND	ND	ND	ND	ND	27.3
	4'	ND	ND	ND	ND	ND	ND	405
SW1	1'	ND	ND	ND	ND	ND	ND	ND
SW3	1'	ND	ND	ND	ND	ND	ND	ND
SW2	1'	ND	ND	ND	ND	ND	ND	ND
SW4	1'	ND	ND	ND	ND	ND	ND	ND

ND: NON-DETECT

Based on the analytical results, it was concluded that the area within the unlined earthen berm containment required excavation down to 3 feet bgs.

From May 6 to May 13, Armstrong Energy conducted an excavation of the affected area within the unlined containment. They employed a track hoe and belly dumps to remove the contaminated material from the site. The initial excavation spanned approximately 300 square feet and reached depths of 6 feet below ground surface, surpassing the initially planned 3 feet during the delineation event. Pima Environmental utilized field screening tactics, employing a titration method, to monitor the chloride concentration in the bottom floor of the excavation. It was determined that the chlorides had significantly increased, necessitating additional excavation of both the impacted area and the side walls of the excavation.

From May 13 to May 20, Armstrong Energy continued the excavation under the guidance of Pima Environmental, ultimately the area overlapping delineation samples S1 and S2 was excavated to a depth of 47 feet below ground surface (bgs). Due to the excavation depth, we had to construct a ramp running east and west to accommodate a large piece of equipment (track hoe). The total area of

the excavation, including the ramp, measured approximately 1,200 square feet. This area was not originally planned for excavation but had to be created for logistical purposes. In total, approximately 870 cubic yards of contaminated material were excavated and transported to an NMOCD-approved landfill for disposal. This ramped area will also undergo sampling to ensure no cross-contamination or additional contamination is present.

On May 20, 2024, Armstrong Energy proactively submitted a 48-hour sampling notification as part of the preliminary preparations for the final confirmation sampling event. This precautionary step was taken with the expectation that all sampling results would fall below the closure criteria established by the New Mexico Oil Conservation Division (NMOCD). If the results confirm compliance, the closure process will proceed. Additional details can be referenced in Appendix C.

On May 23, 2024, Pima Environmental collected six composite bottom samples (labeled CS1-CS6) and four composite sidewall samples (labeled CSW1-CSW4). All confirmation samples were five-point composites from the excavated area. The bottom samples (CS1–CS2) were taken at a depth of 47 feet below ground surface (bgs). Confirmation bottom sample CS3 was collected at a depth of 20 feet bgs, CS4 at a depth of 12 feet bgs, CS5 at a depth of 6 feet bgs, and CS6 at a depth of 2 feet bgs. The sidewall samples (CSW1-CSW4) were collected from depths ranging from the surface to 47 feet bgs, surrounding the initial delineation samples. Each bottom sample represented no more than 200 square feet of the excavated area, and each sidewall sample represented no more than 50 linear feet. The soil samples were bagged, placed on ice, and transported to Envirotech in Farmington, NM, for analytical analysis. The laboratory results from this sampling event are presented in the following data table. Figure 5 provides a confirmation site map showing the location of each soil sample.

Sample Results (05-23-2024)

NMOCD Table 1 Closure Criteria 19.15.29 NMAC (Depth to Groundwater is <50')								
Armstrong Energy 2005 A 05 (Government G)								
Date: 5-23-24		NM Approved Laboratory Results						
Sample ID	Depth (BGS)	BTEX mg/kg	Benzene mg/kg	GRO mg/kg	DRO mg/kg	MRO mg/kg	Total TPH mg/kg	Cl mg/kg
CS1	47'	ND	ND	ND	ND	ND	0	ND
CS2	47'	ND	ND	ND	ND	ND	0	ND
CS3	20’	ND	ND	ND	ND	ND	0	ND
CS4	12’	ND	ND	ND	ND	ND	0	ND
CS5	6’	ND	ND	ND	ND	ND	0	ND
CS6	2’	ND	ND	ND	ND	ND	0	ND
CSW1	0-47'	ND	ND	ND	ND	ND	0	ND
CSW2	0-47'	ND	ND	ND	ND	ND	0	ND
CSW3	0-47'	ND	ND	ND	ND	ND	0	ND
CSW4	0-47'	ND	ND	ND	ND	ND	0	ND

ND: NON-DETECT

On June 14, 2024, following a 48-hour sampling notification (Appendix C), Pima Environmental returned to the Government to collect additional side wall samples following a rejected report. The northernmost side wall labeled (A) measured 60 feet in length with the deepest portion of the excavation measuring 20 feet in depth, utilizing the 200 square foot rule an additional six side wall samples (CSW1-CSW6) were collected from the side of the excavation. Similarly, the easternmost side wall labeled (B) measured 25 feet in length and 2 feet in depth, one additional side wall sample (CSW7) was collected. The southernmost extent of the excavation labeled (C) measured 60 feet In length with the deepest portion of the excavation measuring 20 feet in depth, six additional side wall samples (CSW8-CSW13) were collected. The westernmost portion of the excavation measured approximately 25 feet in length and 20 feet in depth, three additional side wall samples (CSW14-CSW16) were collected.

Within the deepest portion of the excavation, additional side wall samples were also collected. The northernmost side wall of this excavation, labeled (E), measured approximately 10 feet in length and 47 feet in depth, resulting in the collection of two additional side wall samples (CSW17 and CSW18). The easternmost side wall, labeled (F), measured approximately 15 feet in length and 47 feet in depth, from which three additional side wall samples (CSW19-CSW21) were collected. The southernmost portion of the excavated area, labeled (G), measured approximately 10 feet in length and 47 feet in depth, resulting in the collection of two additional side wall samples (CSW22 and CSW23). Lastly, the westernmost side wall of this excavation, labeled (H), measured approximately 15 feet in length and 47 feet in depth, from which three additional side wall samples (CSW24-CSW26) were collected. It's important to note that each side wall was collected as a five-point composite sample, reflecting no more than 200 square feet of the excavated area. The laboratory results from this sampling event are presented in the following data table. Figure 6 provides a confirmation site map showing the location of each soil sample.

Sample Results (06-14-2024)

NMOCD Table 1 Closure Criteria 19.15.29 NMAC (Depth to Groundwater is <50')								
Armstrong Energy/Government G								
Sample Date:6-14-24		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
CSW1	0-20'	ND	ND	ND	ND	ND	0	ND
CSW2	0-20	ND	ND	ND	ND	ND	0	ND
CSW3	0-20	ND	ND	ND	ND	ND	0	ND
CSW4	0-12	ND	ND	ND	ND	ND	0	ND
CSW5	0-6	ND	ND	ND	ND	ND	0	ND
CSW6	0-2	ND	ND	ND	ND	ND	0	ND
CSW7	0-2	ND	ND	ND	ND	ND	0	ND
CSW8	0-2	ND	ND	ND	ND	ND	0	ND
CSW9	0-6	ND	ND	ND	ND	ND	0	ND
CSW10	0-12	ND	ND	ND	ND	ND	0	ND
CSW11	0-20	ND	ND	ND	ND	ND	0	ND
CSW12	0-20	ND	ND	ND	ND	ND	0	ND
CSW13	0-20	ND	ND	ND	ND	ND	0	ND
CSW14	0-20	ND	ND	ND	ND	ND	0	ND
CSW15	0-20	ND	ND	ND	ND	ND	0	ND
CSW16	0-20	ND	ND	ND	ND	ND	0	ND
CSW17	0-20	ND	ND	ND	ND	ND	0	ND
CSW18	21-47	ND	ND	ND	ND	ND	0	ND
CSW19	0-16	ND	ND	ND	ND	ND	0	ND
CSW20	17-31	ND	ND	ND	ND	ND	0	ND
CSW21	32-47	ND	ND	ND	ND	ND	0	ND
CSW22	0-20	ND	ND	ND	ND	ND	0	ND
CSW23	21-47	ND	ND	ND	ND	ND	0	ND
CSW24	0-16	ND	ND	ND	ND	ND	0	ND
CSW25	17-31	ND	ND	ND	ND	ND	0	ND
CSW26	32-47	ND	ND	ND	ND	ND	0	ND

ND: NON-DETECT

Upon confirming that this closure report has been approved, the excavated area will be backfilled with clean material and restored to its original contour.

Closure Request

After careful review, Pima requests that this incident, NPAC0600427595, be closed. Armstrong Energy Corporation 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

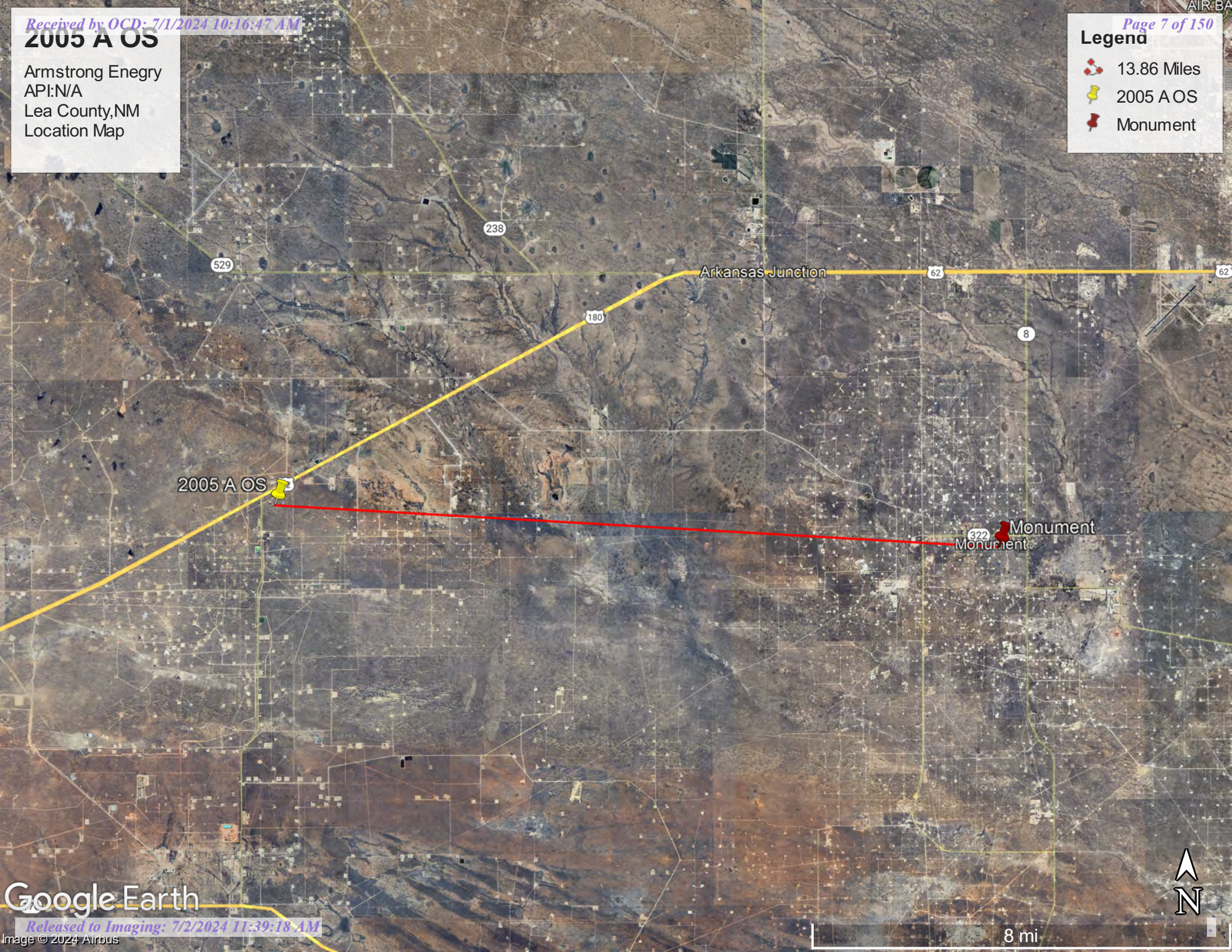
Pima Environmental Services

Figures:

1. Location Map
2. Topographic Map
3. Karst Map
4. Site Map (03-06-2024)
5. Confirmation Sample Map (05/23/2024)
6. Confirmation Sample Map (06/14/2024)

2005 A OS

Armstrong Enegry
API:N/A
Lea County,NM
Location Map

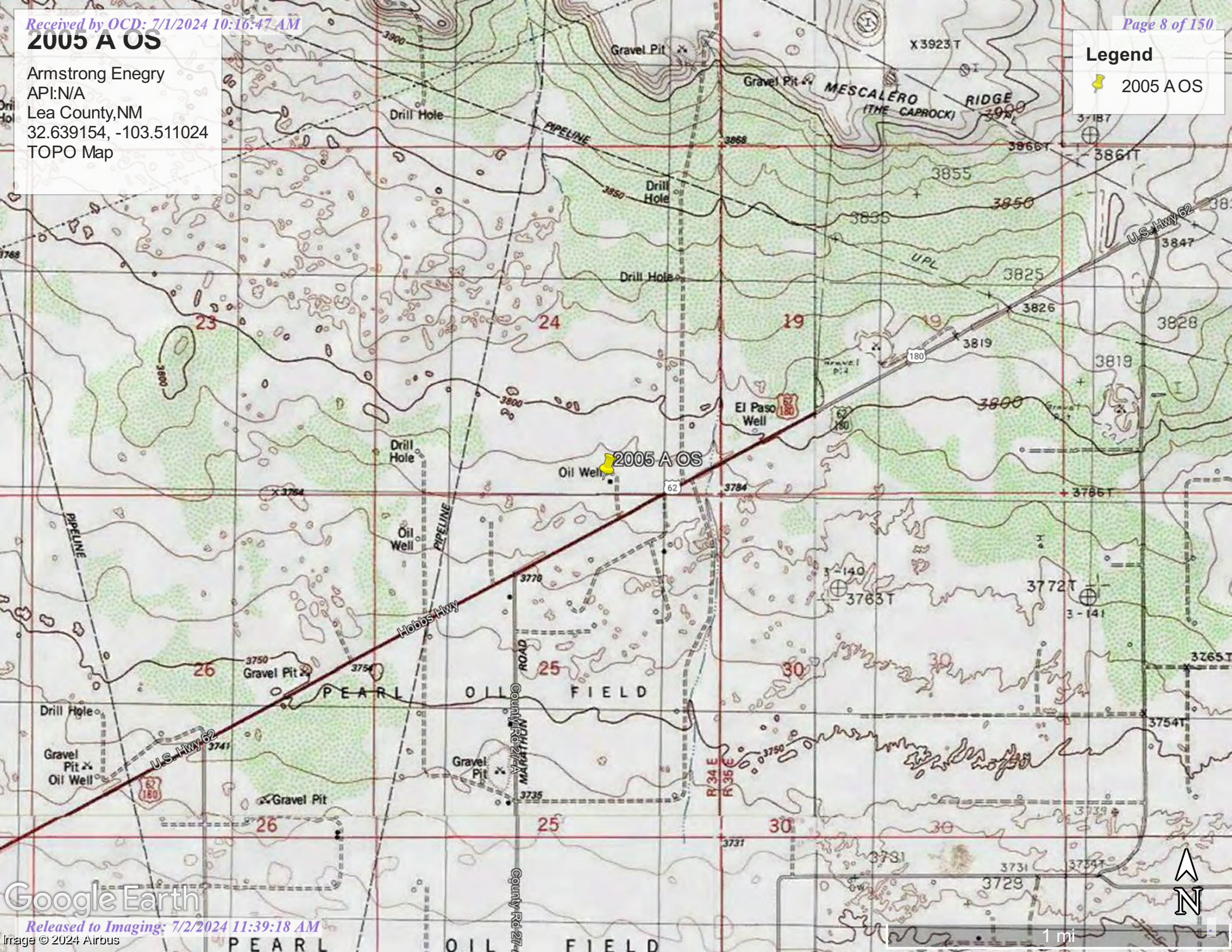


2005 A OS

Armstrong Enegry
API:N/A
Lea County,NM
32.639154, -103.511024
TOPO Map

Legend

2005 A OS

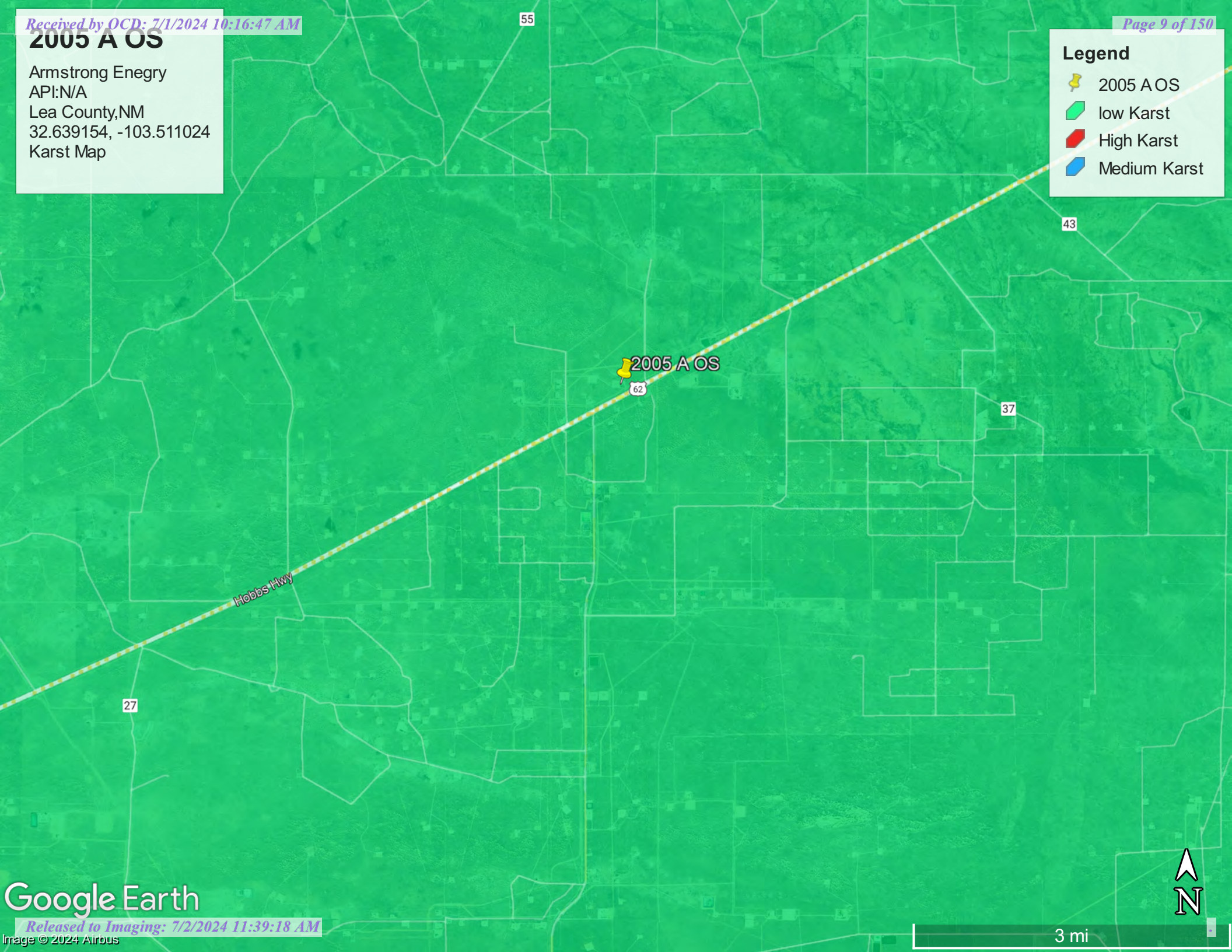


Google Earth

Image © 2024 Airbus

2005 A OS

Armstrong Enegry
API:N/A
Lea County,NM
32.639154, -103.511024
Karst Map



2005 A OS

Armstrong Enegry
API:N/A
Lea County,NM
32.639154, -103.511024
Initial Delineation Map (03-06-2024)

Legend

- Delineation Sample
- Feature 3

NMOCD Table 1 Closure Criteria 19.15.29 NMAC (Depth to Groundwater is >50')								
ARMSTRONG ENERGY - 2005 A OS (Government G #1)								
Sample Date: 3/6/2024		NM Approved Laboratory Results						
Sample ID	Depth (BGS)	BTEX mg/kg	Benzene mg/kg	GRO mg/kg	DRO mg/kg	MRO mg/kg	Total TPH mg/kg	Cl mg/kg
S1	1'	ND	ND	ND	ND	ND	ND	4280
	2'	ND	ND	ND	ND	ND	ND	760
	3'	ND	ND	ND	ND	ND	ND	28.1
	4'	ND	ND	ND	ND	ND	ND	451
S2	1'	ND	ND	ND	ND	ND	ND	3870
	2'	ND	ND	ND	ND	ND	ND	754
	3'	ND	ND	ND	ND	ND	ND	27.3
	4'	ND	ND	ND	ND	ND	ND	405
SW1	1'	ND	ND	ND	ND	ND	ND	ND
SW3	1'	ND	ND	ND	ND	ND	ND	ND
SW2	1'	ND	ND	ND	ND	ND	ND	ND
SW4	1'	ND	ND	ND	ND	ND	ND	ND

Google Earth

N

40 ft

2005 A OS

Armstrong Enegry
API:N/A
Lea County,NM
32.639154, -103.511024
Confirmation Sample Map (05/23/2024)

Legend

- 47' Excavation
- Confirmation Bottom Sample
- Confirmation Side Wall Sample
- Feature 2
- Ramped Area

NMOCD Table 1 Closure Criteria 19.15.29 NMAC (Depth to Groundwater is <50')								
Armstrong Energy 2005 A 05 (Government G)								
Date: 5-23-24		NM Approved Laboratory Results						
Sample ID	Depth (BGS)	BTEX mg/kg	Benzene mg/kg	GRO mg/kg	DRO mg/kg	MRO mg/kg	Total TPH mg/kg	Cl mg/kg
CS1	47'	ND	ND	ND	ND	ND	0	ND
CS2	47'	ND	ND	ND	ND	ND	0	ND
CS3	20'	ND	ND	ND	ND	ND	0	ND
CS4	12'	ND	ND	ND	ND	ND	0	ND
CS5	6'	ND	ND	ND	ND	ND	0	ND
CS6	2'	ND	ND	ND	ND	ND	0	ND
CSW1	0-47'	ND	ND	ND	ND	ND	0	ND
CSW2	0-47'	ND	ND	ND	ND	ND	0	ND
CSW3	0-47'	ND	ND	ND	ND	ND	0	ND
CSW4	0-47'	ND	ND	ND	ND	ND	0	ND

Google Earth

Image © 2024 Airbus

N

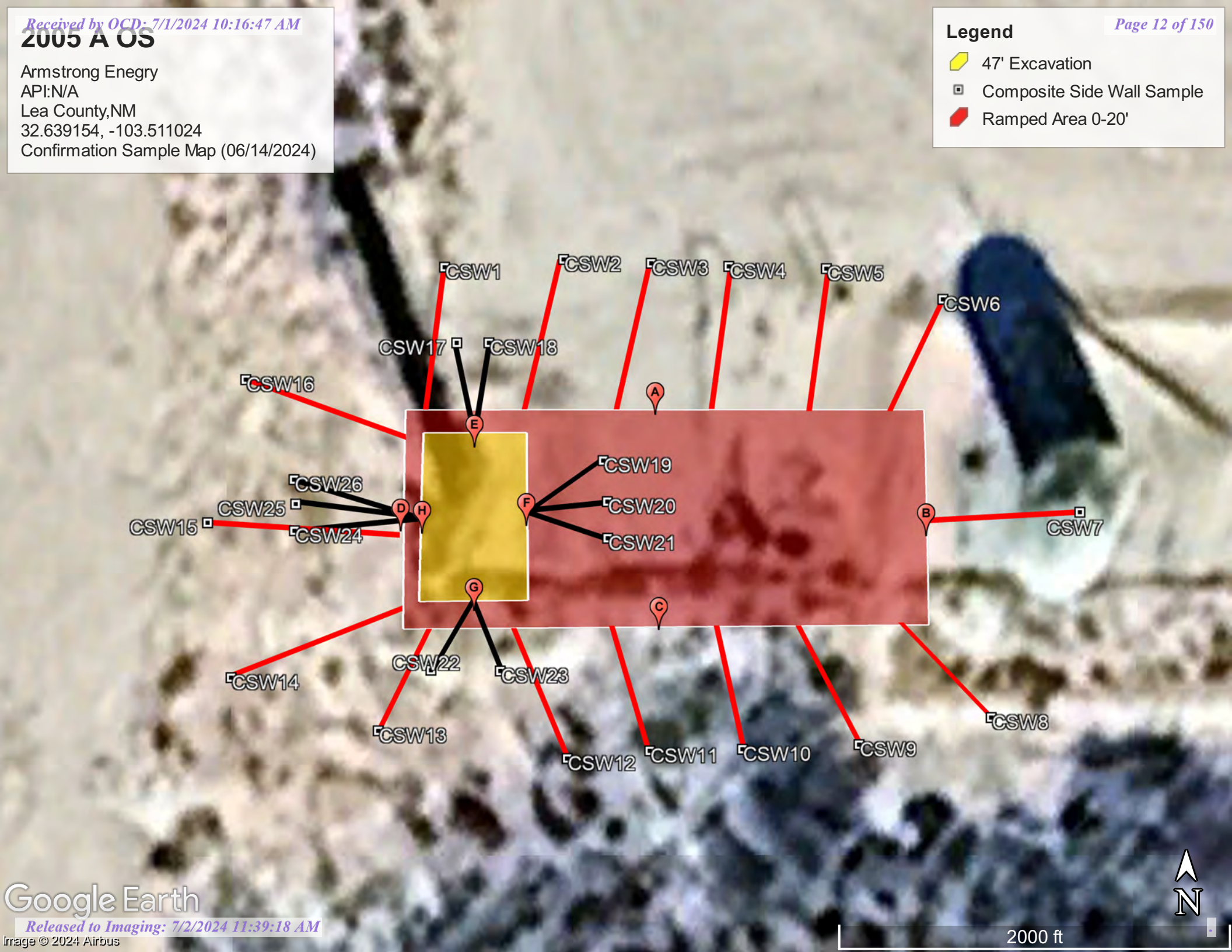
50 ft

2005 A OS

Armstrong Enegry
API:N/A
Lea County,NM
32.639154, -103.511024
Confirmation Sample Map (06/14/2024)

Legend

- 47' Excavation
- Composite Side Wall Sample
- Ramped Area 0-20'



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	Tws	Rng	X	Y	Distance	Depth Well	Depth Water	Water Column
L 08941		L	LE	2	3	3	19	19S	35E	640510	3612523	883	600	286	314
CP 00683 POD1		CP	LE	3	3	4	25	19S	34E	639530	3610685*	1583	120	28	92
CP 01672 POD1		CP	LE	1	3	1	36	19S	34E	638736	3610009	2437	100		
L 08234 S		L	LE	4	4	1	18	19S	35E	640871	3614751*	2764	106	60	46
L 08234 S2		L	LE			3	17	19S	35E	642192	3614259*	3220	126	80	46
L 09569		L	LE		4	3	17	19S	35E	642394	3614063*	3269	80	30	50
L 08234		L	LE	2	2	3	17	19S	35E	642487	3614566*	3642	120	90	30
L 15106 POD3		L	LE	2	1	2	32	19S	35E	642875	3610512	3656	55	28	27
L 15106 POD1		L	LE	2	1	2	32	19S	35E	643002	3610606	3726	56	21	35
L 14876 POD12		L	LE	2	1	2	32	19S	35E	642974	3610515	3741			
L 14876 POD11		L	LE	2	1	2	32	19S	35E	642990	3610522	3752			
L 14876 POD8		L	LE	2	1	2	32	19S	35E	642983	3610507	3753			
L 14876 POD5		L	LE	2	1	2	32	19S	35E	642992	3610517	3757			
L 14876 POD13		L	LE	2	1	2	32	19S	35E	642987	3610500	3760		18	
L 14876 POD3		L	LE	2	1	2	32	19S	35E	643014	3610535	3768	40	0	40
L 14876 POD9		L	LE	2	1	2	32	19S	35E	643000	3610508	3768			
L 14876 POD10		L	LE	2	1	2	32	19S	35E	642998	3610500	3770			
L 14876 POD2		L	LE	2	1	2	32	19S	35E	642992	3610483	3773	37	28	9

L 14876 POD4	L	LE	2	1	2	32	19S	35E	643016	3610516	3778	25	22	3
L 14876 POD14	L	LE	2	1	2	32	19S	35E	643023	3610529	3779			
L 14208 POD1	L	LE	2	2	2	18	19S	35E	641685	3615464	3785	78		
L 14876 POD7	L	LE	2	1	2	32	19S	35E	643026	3610515	3787		19	
L 14876 POD1	L	LE	2	1	2	32	19S	35E	643011	3610472	3795	25	0	25
L 15106 POD2	L	LE	1	2	2	32	19S	35E	643119	3610506	3875	55	51	4

Average Depth to Water: **50 feet**

Minimum Depth: **0 feet**

Maximum Depth: **286 feet**

Record Count: 24

UTMNAD83 Radius Search (in meters):

Easting (X): 639664.86 **Northing (Y):** 3612263 **Radius:** 4000

***UTM location was derived from PLSS - see Help**

5/1/24 2:02 PM

WATER COLUMN/ AVERAGE DEPTH TO WATER

New Mexico Office of the State Engineer

Point of Diversion Summary

Well Tag	POD Number	(quarters are 1=NW 2=NE 3=SW 4=SE) (quarters are smallest to largest) Q64	Q16	Q4	Sec	Twsp	Rng	(NAD83 UTM in meters) X	Y
NA	L 08941	2	3	3	19	19S	35E	640510	3612523

Driller License: 319 **Driller Company:** NEW MEXICO STATE HIGHWAY DEPT.

Driller Name: LOVELACE

Drill Start Date: 07/08/1982 **Drill Finish Date:** 08/09/1982 **Plug Date:**

Log File Date: 08/30/1982 **PCW Rcv Date:** **Source:** Shallow

Pump Type: **Pipe Discharge Size:** **Estimated Yield:** 12 GPM

Casing Size: 6.63 **Depth Well:** 600 feet **Depth Water:** 286 feet

Water Bearing Stratifications:

Top	Bottom	Description
280	295	Sandstone/Gravel/Conglomerate
510	560	Other/Unknown

Casing Perforations:

Top	Bottom
510	530
560	570

Meter Number: 17820 **Meter Make:** TURBINES INC

Meter Serial Number: 08051601 **Meter Multiplier:** 1.0000

Number of Dials: 7 **Meter Type:** Diversion

Unit of Measure: Barrels 42 gal. **Return Flow Percent:**

Usage Multiplier: **Reading Frequency:** Monthly

Meter Readings (in Acre-Feet)

Read Date	Year	Mtr Reading	Flag	Rdr	Comment	Mtr Amount	Online
03/01/2017	2017	17259	A	ap		0	
12/01/2017	2017	42330	A	ap		3.231	
01/01/2018	2018	42330	A	ap		0	

03/01/2018	2018	50271	A	ap	1.024
06/01/2018	2018	62582	A	ap	1.587
07/01/2018	2018	68319	A	ap	0.739
08/01/2018	2018	69669	A	ap	0.174
09/01/2018	2018	70515	A	ap	0.109
11/01/2018	2018	75584	A	ap	0.653
12/01/2018	2018	78697	A	ap	0.401

x

**YTD Meter Amounts:	Year	Amount
	2017	3.231
	2018	4.687

x

2005 A OS

Armstrong Enegry
API:N/A
Lea County,NM
32.639154, -103.511024
OSE Map

National Water Information System: Web Interface

USGS Water Resources

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

Click to hideNews 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 =

- 323855103294001

Minimum number of levels = 1

Save file of selected sites to local disk for future upload

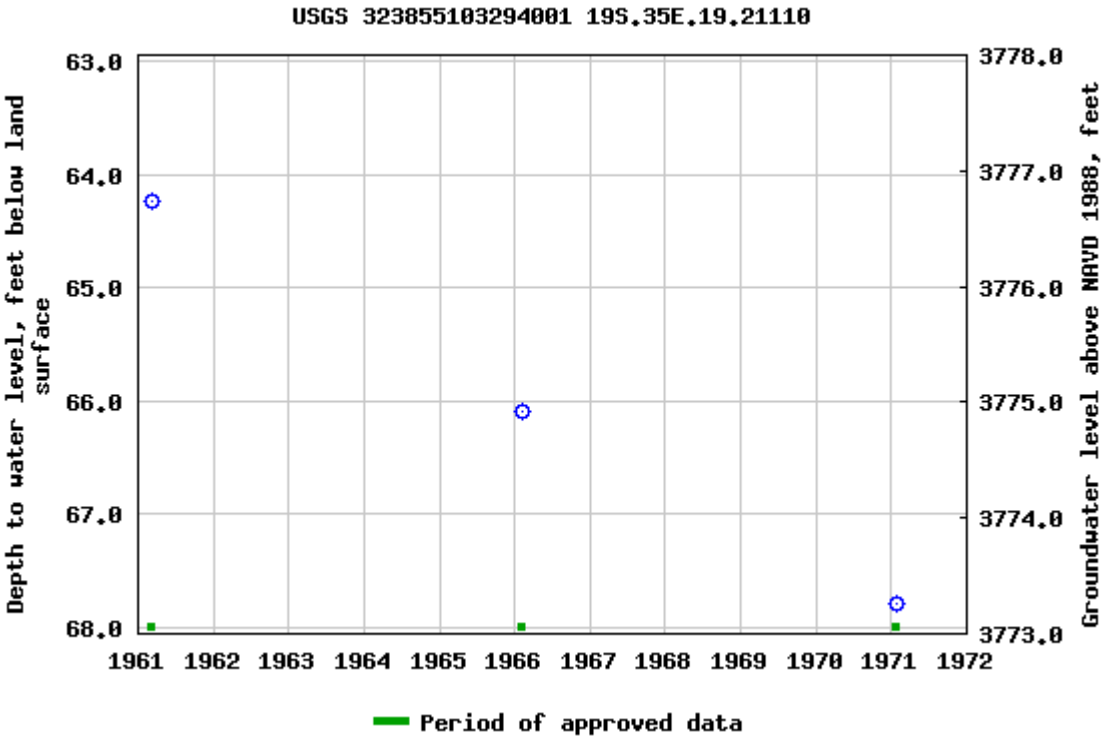
USGS 323855103294001 19S.35E.19.21110

Available data for this site | Groundwater: Field measurements | GO

Lea County, New Mexico
Hydrologic Unit Code 13060011
Latitude 32°38'55", Longitude 103°29'40" NAD27
Land-surface elevation 3,841 feet above NAVD88
This well is completed in the High Plains aquifer (N100HGHPLN) national aquifer.
This well is completed in the Alluvium, Bolson Deposits and Other Surface Deposits (110AVMB) 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

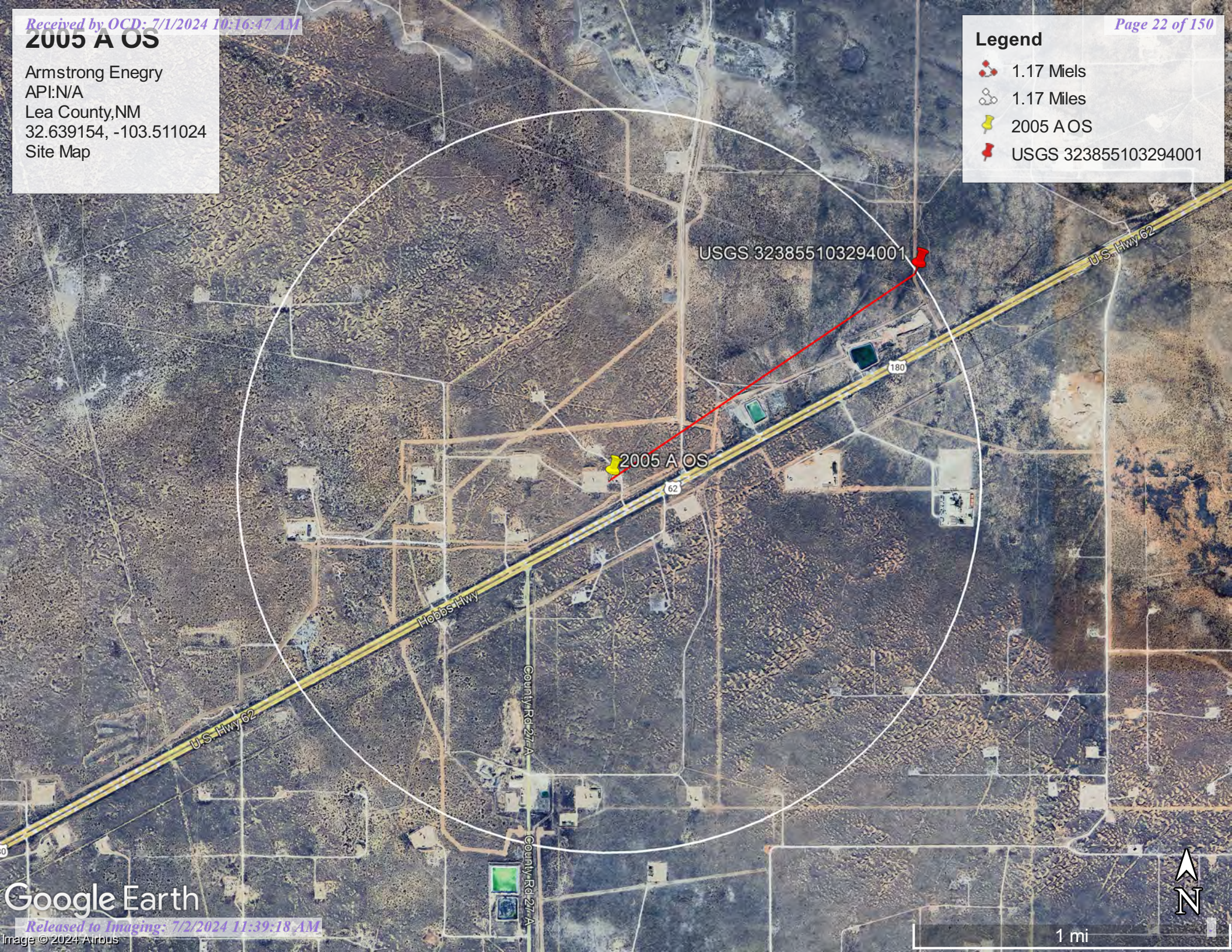
Questions or Comments
Automated retrievals
Help
Data Tips
Explanation of terms
Subscribe for system changes
News

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: 2024-05-01 15:53:56 EDT
0.65 0.55 nadww01

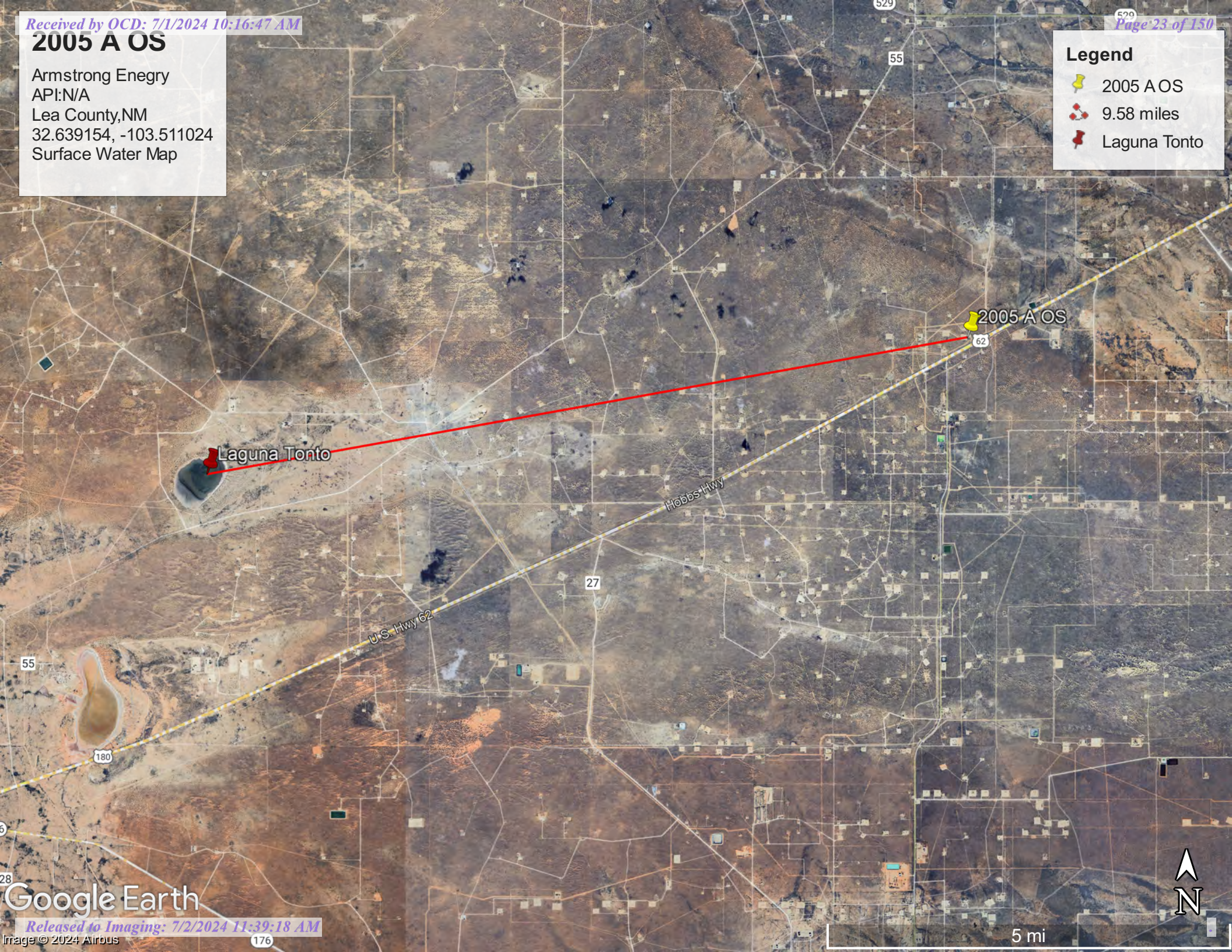
2005 A OS

Armstrong Enegry
API:N/A
Lea County,NM
32.639154, -103.511024
Site Map



2005 A OS

Armstrong Enegry
API:N/A
Lea County,NM
32.639154, -103.511024
Surface Water Map



Pima Environmental Services

Appendix B

Soil Survey & Geological Data

FEMA Flood Map

Wetlands Map

Soil Map—Lea County, New Mexico
(2005 A OS)

Map Scale: 1:2,090 if printed on A landscape (11" x 8.5") sheet.

N

Meters
0 30 60 120 180

Feet
0 100 200 400 600

Map projection: Web Mercator Corner coordinates: WGS84 Edge tics: UTM Zone 13N WGS84

MAP LEGEND

Area of Interest (AOI)
- Area of Interest (AOI)

Soils
- Soil Map Unit Polygons
- Soil Map Unit Lines
- Soil Map Unit Points

Special Point Features
- Blowout
- Borrow Pit
- Clay Spot
- Closed Depression
- Gravel Pit
- Gravelly Spot
- Landfill
- Lava Flow
- Marsh or swamp
- Mine or Quarry
- Miscellaneous Water
- Perennial Water
- Rock Outcrop
- Saline Spot
- Sandy Spot
- Severely Eroded Spot
- Sinkhole
- Slide or Slip
- Sodic Spot
- Spoil Area
- Stony Spot
- Very Stony Spot
- Wet Spot
- Other
- Special Line Features

Water Features
- Streams and Canals

Transportation
- Rails
- Interstate Highways
- US Routes
- Major Roads
- Local Roads

Background
- Aerial Photography

MAP INFORMATION

The soil surveys that comprise your AOI were mapped at 1:20,000.

Warning: Soil Map may not be valid at this scale.

Enlargement of maps beyond the scale of mapping can cause misunderstanding of the detail of mapping and accuracy of soil line placement. The maps do not show the small areas of contrasting soils that could have been shown at a more detailed scale.

Please rely on the bar scale on each map sheet for map measurements.

Source of Map: Natural Resources Conservation Service
Web Soil Survey URL:
Coordinate System: Web Mercator (EPSG:3857)

Maps from the Web Soil Survey are based on the Web Mercator projection, which preserves direction and shape but distorts distance and area. A projection that preserves area, such as the Albers equal-area conic projection, should be used if more accurate calculations of distance or area are required.

This product is generated from the USDA-NRCS certified data as of the version date(s) listed below.

Soil Survey Area: Lea County, New Mexico
Survey Area Data: Version 20, Sep 6, 2023

Soil map units are labeled (as space allows) for map scales 1:50,000 or larger.

Date(s) aerial images were photographed: Feb 7, 2020—May 12, 2020

The orthophoto or other base map on which the soil lines were compiled and digitized probably differs from the background imagery displayed on these maps. As a result, some minor shifting of map unit boundaries may be evident.

Map Unit Legend

Map Unit Symbol	Map Unit Name	Acres in AOI	Percent of AOI
PY	Pyote soils and Dune land	21.9	100.0%
Totals for Area of Interest		**21.9**	**100.0%**

Lea County, New Mexico

PY—Pyote soils and Dune land

Map Unit Setting

National map unit symbol: dmqr
Elevation: 3,000 to 4,400 feet
Mean annual precipitation: 10 to 15 inches
Mean annual air temperature: 60 to 64 degrees F
Frost-free period: 190 to 220 days
Farmland classification: Not prime farmland

Map Unit Composition

Pyote 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 Pyote

Setting

Landform: Depressions
Landform position (two-dimensional): Footslope
Landform position (three-dimensional): Base slope
Down-slope shape: Concave
Across-slope shape: Concave
Parent material: Sandy eolian deposits derived from sedimentary rock

Typical profile

A - 0 to 30 inches: fine sand
Bt - 30 to 60 inches: fine sandy loam

Properties and qualities

Slope: 0 to 3 percent
Depth to restrictive feature: More than 80 inches
Drainage class: Well drained
Runoff class: Negligible
Capacity of the most limiting layer to transmit water (Ksat): High (2.00 to 6.00 in/hr)
Depth to water table: More than 80 inches
Frequency of flooding: None
Frequency of ponding: None
Calcium carbonate, maximum content: 5 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 5.1 inches)

Interpretive groups

Land capability classification (irrigated): 6e
Land capability classification (nonirrigated): 7s
Hydrologic Soil Group: A
Ecological site: R070BD003NM - Loamy Sand
Hydric soil rating: No

Description of Dune Land

Setting

Landform: Dunes
Landform position (two-dimensional): Backslope, shoulder
Landform position (three-dimensional): Side slope
Down-slope shape: Convex, linear
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

Kermit

Percent of map unit: 5 percent
Ecological site: R070BC022NM - Sandhills
Hydric soil rating: No

Maljamar, fine sand

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

Data Source Information

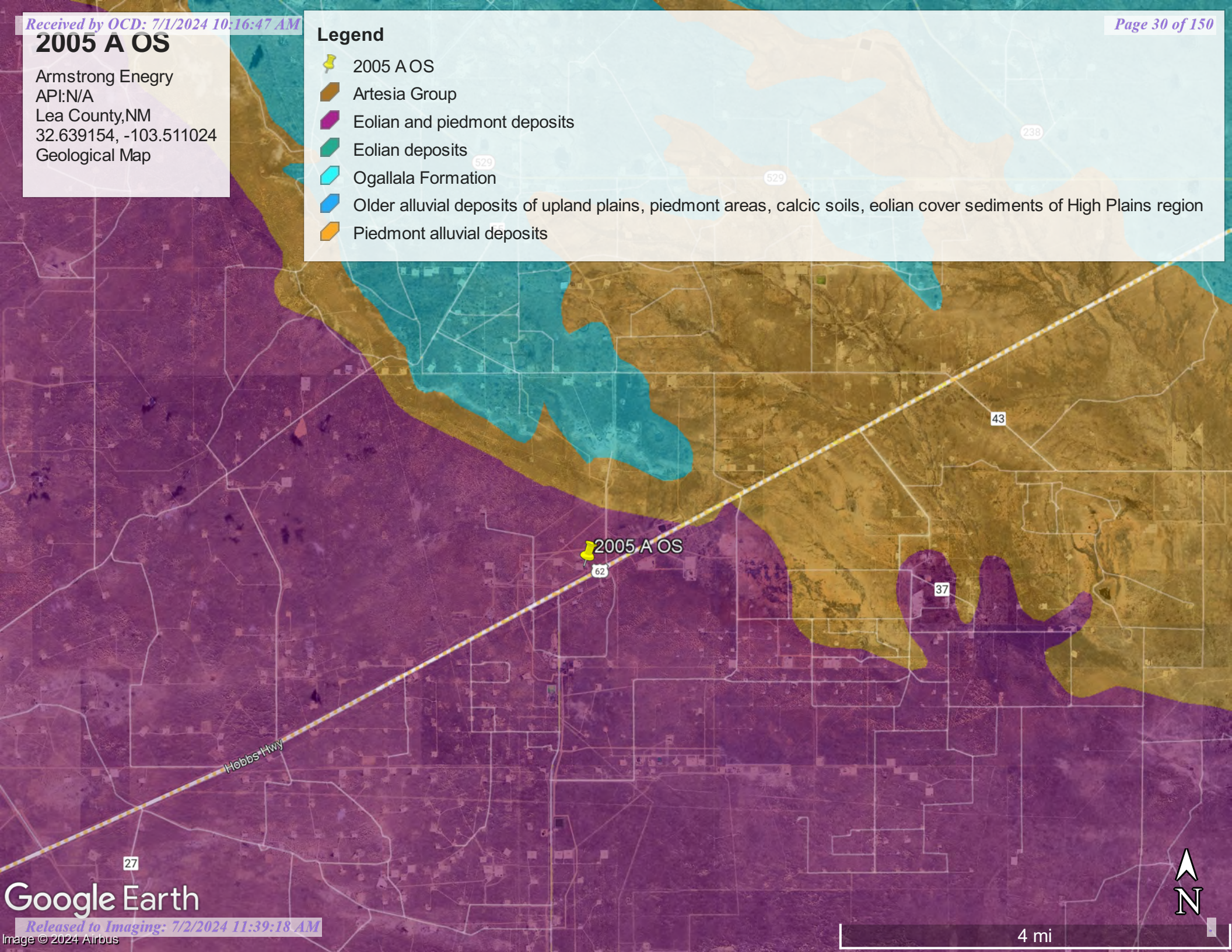
Soil Survey Area: Lea County, New Mexico
Survey Area Data: Version 20, Sep 6, 2023

2005 A OS

Armstrong Energy
API:N/A
Lea County,NM
32.639154, -103.511024
Geological Map

Legend

- 2005 A OS
- Artesia Group
- Eolian and piedmont deposits
- Eolian deposits
- Ogallala Formation
- Older alluvial deposits of upland plains, piedmont areas, calcic soils, eolian cover sediments of High Plains region
- Piedmont alluvial deposits



Eolian and piedmont deposits

XML (/geology/state/xml/NMQep;0)
JSON (/geology/state/json/NMQep;0)
Shapefile (/geology/state/unit-shape.php?unit=NMQep;0)

Interlayered eolian sands and piedmont-slope deposits along the eastern flank of the Pecos River valley, primarily between Roswell and Carlsbad. Typically capped by thin eolian deposits.

State	New Mexico (/geology/state/state.php?state=NM)
Name	Eolian and piedmont deposits
Geologic age	Holocene to middle Pleistocene
Lithologic constituents	Major Unconsolidated *(Eolian)* *Interlayered eolian sands and piedmont-slope deposits*
References	New Mexico Bureau of Geology and Mineral Resources, 2003, Geologic Map of New Mexico, scale 1:500,000 (includes some new polygons, faults, and attributes not in NM001 - heads up digitizing by JHorton).
NGMDB product	NGMDB product page for 22974 (https://ngmdb.usgs.gov/Prodesc/proddesc_22974.htm)

Counties	Chaves (/geology/state/fips-unit.php?code=f35005) - DeBaca (/geology/state/fips-unit.php?code=f35011) - Eddy (/geology/state/fips-unit.php?code=f35015) - Lea (/geology/state/fips-unit.php?code=f35025) - Roosevelt (/geology/state/fips-unit.php?code=f35041)

National Flood Hazard Layer FIRMette

FEMA

103°30'59"W 32°38'36"N

Feet
0 250 500 1,000 1,500 2,000

1:6,000

103°30'21"W 32°38'6"N

Basemap Imagery Source: USGS National Map 2023

Legend

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

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

OTHER AREAS OF FLOOD HAZARD
- 0.2% Annual Chance Flood Hazard, A of 1% annual chance flood with avera depth less than one foot or with drain areas of less than one square mile *Zo*
- 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 *Zon*

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

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

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

MAP PANELS
- Digital Data Available
- No Digital Data Available
- Unmapped

N

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

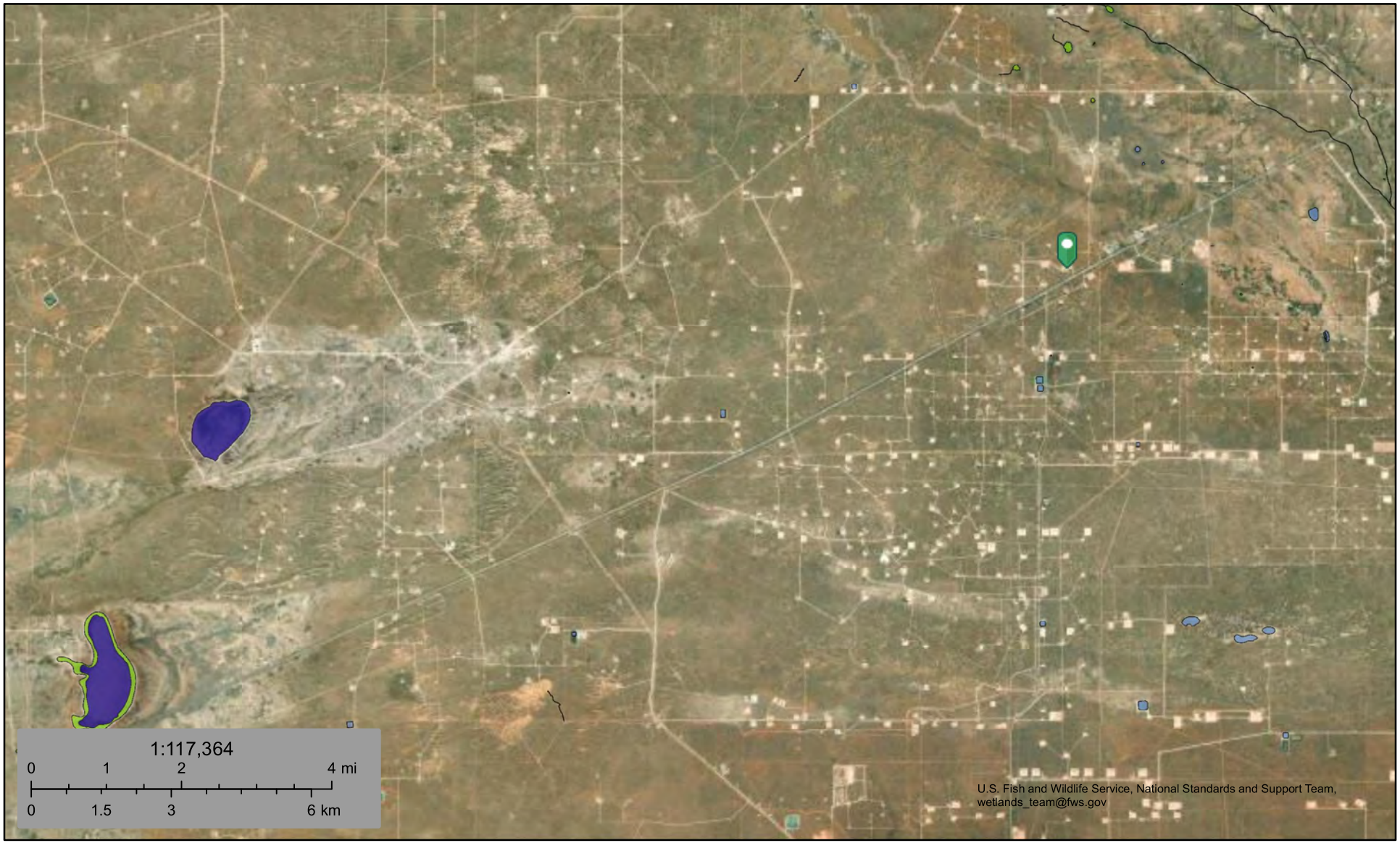
The flood hazard information is derived directly from the authoritative NFHL web services provided by FEMA. This map was exported on 5/2/2024 at 12:54 PM and does not reflect changes or amendments subsequent to this date and time. The NFHL and effective information may change or become superseded by 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.

U.S. Fish and Wildlife Service

National Wetlands Inventory

2005 A OS



May 2, 2024

Wetlands

- Estuarine and Marine Deepwater
- Estuarine and Marine Wetland
- Freshwater Emergent Wetland
- Freshwater Forested/Shrub Wetland
- Freshwater Pond
- Lake
- Other
- Riverine

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.

National Wetlands Inventory (NWI)
This page was produced by the NWI mapper

Pima Environmental Services

Appendix C

48-Hour Notification

C-141

OCD Permitting

[NOTIFY] Notification Of Sampling (C-141N) Application

Submission Information

Submission ID:	346064	**Districts:**	Hobbs
Operator:	[1092] ARMSTRONG ENERGY CORP	**Counties:**	Lea
Description:	ARMSTRONG ENERGY CORP [1092] , nPAC0600427595		
Status:	APPROVED		
Status Date:	05/20/2024		
References (2):	fPAC0600427265, nPAC0600427595		

Forms

This application type does not have attachments.

Questions

Prerequisites

Incident ID (n#)	**nPAC0600427595**
Incident Name	**NPAC0600427595 2005 A OS @ 0**
Incident Type	**Oil Release**
Incident Status	**Closure Not Approved**
Incident Facility	**[fPAC0600427265] Armstrong Energy Government "G" Battery**

Location of Release Source

Site Name	*Unavailable.*
Date Release Discovered	**12/25/2005**
Surface Owner	**Federal**

Sampling Event General Information

Please answer all the questions in this group.

What is the sampling surface area in square feet	1,225
What is the estimated number of samples that will be gathered	10
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	05/23/2024
Time sampling will commence	08:00 AM
Warning: Notification can not be less than two business days prior to conducting final sampling.	
Please provide any information necessary for observers to contact samplers	Sebastian Orozco 619-721-4813 cell
Please provide any information necessary for navigation to sampling site	Location: O-24-19S-34E, Lat/Long: 32.63926,-103.51027

Comments

No comments found for this submission.

Conditions

Summary: *jtew (5/20/2024),* Failure to notify the OCD of sampling events including any changes in date/time per the requirements of 19.15.29.12.D.(1).(a) NMAC, may result in the remediation closure samples not being accepted.

Reasons

No reasons found for this submission.

Go Back

OCD Permitting

Home Operator Data Action Status Action Search Results Action Status Item Details

[NOTIFY] Notification Of Sampling (C-141N) Application

Submission Information

Submission ID:	353377	**Districts:**	Hobbs
Operator:	[1092] ARMSTRONG ENERGY CORP	**Counties:**	Lea
Description:	ARMSTRONG ENERGY CORP [1092] , ARMSTRONG ENERGY GOVERNMENT "G" BATTERY , nPAC0600427595		
Status:	APPROVED		
Status Date:	06/12/2024		
References (2):	fPAC0600427265, nPAC0600427595		

Forms

This application type does not have attachments.

Questions

Prerequisites

Incident ID (n#)	**nPAC0600427595**
Incident Name	**NPAC0600427595 ARMSTRONG ENERGY GOVERNMENT "G" BATTERY @ 0**
Incident Type	**Oil Release**
Incident Status	**Closure Not Approved**
Incident Facility	**[fPAC0600427265] Armstrong Energy Government "G" Battery**

Location of Release Source

Site Name	**ARMSTRONG ENERGY GOVERNMENT "G" BATTERY**
Date Release Discovered	**12/25/2005**
Surface Owner	**Federal**

Sampling Event General Information

Please answer all the questions in this group.

What is the sampling surface area in square feet	5,200
What is the estimated number of samples that will be gathered	26
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	06/14/2024
Time sampling will commence	08:30 AM
Warning: Notification can not be less than two business days prior to conducting final sampling.	
Please provide any information necessary for observers to contact samplers	Sebastian Orozco Pima Environmental 619-721-4813
Please provide any information necessary for navigation to sampling site	approximately 1600' NE of intersection of Marathon Road and 62/180, Lea County NM

Comments

No comments found for this submission.

Conditions

Summary: *sdutton (6/12/2024),* Failure to notify the OCD of sampling events including any changes in date/time per the requirements of 19.15.29.12.D.(1).(a) NMAC, may result in the remediation closure samples not being accepted.

Reasons

No reasons found for this submission.

Go Back

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	nPAC0600427595
District RP	
Facility ID	fPAC0600427265
Application ID	

Release Notification

Responsible Party

Responsible Party Armstrong Energy Corp	OGRID 1092
Contact Name Jeffery Tew	Contact Telephone 575-623-2999
Contact email jtew@aecnm.com	Incident # *(assigned by OCD)* nPAC0600427595
Contact mailing address PO Box 1973 Roswell, NM 88202	

Location of Release Source

Latitude 32.63926 Longitude -103.51027
(NAD 83 in decimal degrees to 5 decimal places)

Site Name Armstrong Energy Government "G" Battery	Site Type Oil
Date Release Discovered 12/25/2005	API# *(if applicable)*

Unit Letter	Section	Township	Range	County
O	24	19S	34E	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)

☐ Crude Oil	Volume Released (bbls)	Volume Recovered (bbls)
☑ Produced Water	Volume Released (bbls) Unknown	Volume Recovered (bbls) Unknown
	Is the concentration of dissolved chloride in the produced water >10,000 mg/l?	☐ Yes ☐ No
☐ Condensate	Volume Released (bbls)	Volume Recovered (bbls)
☐ Natural Gas	Volume Released (Mcf)	Volume Recovered (Mcf)
☐ Other (describe)	Volume/Weight Released (provide units)	Volume/Weight Recovered (provide units)

Cause of Release: Small leak in firetube in heater treater, burner caught oil on fire in firebox. Shut in lease and fire went out. Called out truck and moved fluid from heater to the battery. The area immediately around heater/treater had a small amount of produced water on the ground. Drained remaining water and oil from heater/treater and move to battery. Shut in lease and prep to repair fire tube. Volume reported as unknown due to lack of original C-141. We believe this was submitted to the NMOCD in 2005 but was subsequently lost.

State of New Mexico
Oil Conservation Division

Incident ID	nPAC0600427595
District RP	
Facility ID	fPAC0600427265
Application ID	

Was this a major release as defined by 19.15.29.7(A) NMAC? ☐ Yes ☑ 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

☑ The source of the release has been stopped.
☑ The impacted area has been secured to protect human health and the environment.
☑ Released materials have been contained via the use of berms or dikes, absorbent pads, or other containment devices.
☑ All free liquids and recoverable materials have been removed and managed appropriately.

If all the actions described above have not 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: Jeffery Tew
Title: Operations Engineer
Signature: Jeffery Tew
Date: 5/31/2024
email: jtew@aecnm.com
Telephone: 575-623-2999

OCD Only

Received by: _____ Date: _____

Incident ID	nPAC0600427595
District RP	
Facility ID	fPAC0600427265
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?	<50' (ft bgs)
Did this release impact groundwater or surface water?	☐ Yes ☑ No
Are the lateral extents of the release within 300 feet of a continuously flowing watercourse or any other significant watercourse?	☐ Yes ☑ No
Are the lateral extents of the release within 200 feet of any lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark)?	☐ Yes ☑ No
Are the lateral extents of the release within 300 feet of an occupied permanent residence, school, hospital, institution, or church?	☐ Yes ☑ No
Are the lateral extents of the release within 500 horizontal feet of a spring or a private domestic fresh water well used by less than five households for domestic or stock watering purposes?	☐ Yes ☑ No
Are the lateral extents of the release within 1000 feet of any other fresh water well or spring?	☐ Yes ☑ No
Are the lateral extents of the release within incorporated municipal boundaries or within a defined municipal fresh water well field?	☐ Yes ☑ No
Are the lateral extents of the release within 300 feet of a wetland?	☐ Yes ☑ No
Are the lateral extents of the release overlying a subsurface mine?	☐ Yes ☑ No
Are the lateral extents of the release overlying an unstable area such as karst geology?	☐ Yes ☑ No
Are the lateral extents of the release within a 100-year floodplain?	☐ Yes ☑ No
Did the release impact areas **not** on an exploration, development, production, or storage site?	☐ Yes ☑ No

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

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

- ☑ Scaled site map showing impacted area, surface features, subsurface features, delineation points, and monitoring wells.
- ☑ Field data
- ☑ 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.

Form C-141
Page 4

State of New Mexico
Oil Conservation Division

Incident ID	nPAC0600427595
District RP	
Facility ID	fPAC0600427265
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: Jeffery Tew Title: Operations Engineer

Signature: Jeffery Tew Date: 5/31/2024

email: jtew@aecnm.com Telephone: 575-623-2999

OCD Only

Received by: _____ Date: _____

State of New Mexico
Oil Conservation Division

Incident ID	nPAC0600427595
District RP	
Facility ID	fPAC0600427265
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: Jeffery Tew Title: Operations Engineer

Signature: Jeffery Tew Date: 5/31/2024

email: jtew@aecnm.com Telephone: 575-623-2999

OCD Only

Received by: _____ Date: _____

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

Closure Approved by: _____ Date: _____

Printed Name: _____ Title: _____

Pima Environmental Services

Appendix D

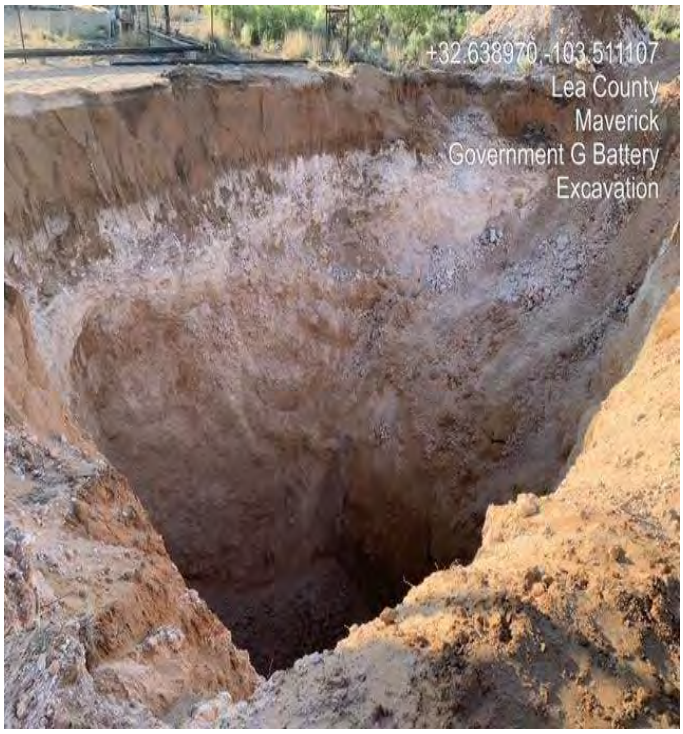
Photographic Documentation

SITE PHOTOGRAPHS
PIMA ENVIORNMENTAL

2005 A OS (Government G)

Assessment:

Excavation:


+32.638970,-103.511107
Lea County
Maverick
Government G Battery
Excavation


+32.638888,-103.511034
Lea County
Armstrong
Government G battery
Excavation


+32.639221,-103.510931
Lea County
Armstrong
Government G battery
Excavation


+32.639213,-103.511046
Lea County
Armstrong
Government G battery
Excavation

Pima Environmental Services

Appendix E

Laboratory Reports

Report to:

Gio Gomez

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:	2005 A 0S
Work Order:	E403090
Job Number:	23093-0001
Received:	3/9/2024

Revision: 2

Report Reviewed By:

Walter Hinchman
Laboratory Director
3/19/24

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: 3/19/24

Gio Gomez
PO Box 247
Plains, TX 79355-0247

Project Name: 2005 A 0S
Workorder: E403090
Date Received: 3/9/2024 9:00:00AM

Gio Gomez,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 3/9/2024 9:00:00AM, under the Project Name: 2005 A 0S.

The analytical test results summarized in this report with the Project Name: 2005 A 0S apply to the individual samples collected, identified and submitted bearing the project name on the enclosed chain-of-custody. Subcontracted sample analyses not conducted by Envirotech, Inc., are attached in full as issued by the subcontract laboratory.

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

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

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

Respectfully,

Walter Hinchman
Laboratory Director
Office: 505-632-1881
Cell: 775-287-1762
whinchman@envirotech-inc.com

Raina Schwanz
Laboratory Administrator
Office: 505-632-1881
rainaschwanz@envirotech-inc.com

Alexa Michaels
Sample Custody Officer
Office: 505-632-1881
labadmin@envirotech-inc.com

Field Offices:

Southern New Mexico Area

Lynn Jarboe
Laboratory Technical Representative
Office: 505-421-LABS(5227)
Cell: 505-320-4759
ljarboe@envirotech-inc.com

Michelle Golzales
Client Representative
Office: 505-421-LABS(5227)
Cell: 505-947-8222
mgonzales@envirotech-inc.com

Envirotech Web Address: www.envirotech-inc.com

Table of Contents

Sample Summary

Pima Environmental Services-Carlsbad	Project Name:	2005 A 0S	**Reported:**
PO Box 247	Project Number:	23093-0001	
Plains TX, 79355-0247	Project Manager:	Gio Gomez	03/19/24 16:50

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
S1-1'	E403090-01A	Soil	03/06/24	03/08/24	Glass Jar, 2 oz.
S1-2'	E403090-02A	Soil	03/06/24	03/08/24	Glass Jar, 2 oz.
S1-3'	E403090-03A	Soil	03/06/24	03/08/24	Glass Jar, 2 oz.
S1-4'	E403090-04A	Soil	03/06/24	03/08/24	Glass Jar, 2 oz.
S2-1'	E403090-05A	Soil	03/06/24	03/08/24	Glass Jar, 2 oz.
S2-2'	E403090-06A	Soil	03/06/24	03/08/24	Glass Jar, 2 oz.
S2-3'	E403090-07A	Soil	03/06/24	03/08/24	Glass Jar, 2 oz.
S2-4'	E403090-08A	Soil	03/06/24	03/08/24	Glass Jar, 2 oz.
SW1	E403090-09A	Soil	03/06/24	03/08/24	Glass Jar, 2 oz.
SW2	E403090-10A	Soil	03/06/24	03/08/24	Glass Jar, 2 oz.
SW3	E403090-11A	Soil	03/06/24	03/08/24	Glass Jar, 2 oz.
SW4	E403090-12A	Soil	03/06/24	03/08/24	Glass Jar, 2 oz.

Sample Data

Pima Environmental Services-Carlsbad	Project Name:	2005 A 0S	
PO Box 247	Project Number:	23093-0001	**Reported:**
Plains TX, 79355-0247	Project Manager:	Gio Gomez	3/19/2024 4:50:34PM

S1-1'

E403090-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: RAS			Batch: 2411020
Benzene	ND	0.0250	1	03/11/24	03/18/24	
Ethylbenzene	ND	0.0250	1	03/11/24	03/18/24	
Toluene	ND	0.0250	1	03/11/24	03/18/24	
o-Xylene	ND	0.0250	1	03/11/24	03/18/24	
p,m-Xylene	ND	0.0500	1	03/11/24	03/18/24	
Total Xylenes	ND	0.0250	1	03/11/24	03/18/24	
Surrogate: Bromofluorobenzene		*101 %*	*70-130*	*03/11/24*	*03/18/24*	
Surrogate: 1,2-Dichloroethane-d4		*96.4 %*	*70-130*	*03/11/24*	*03/18/24*	
Surrogate: Toluene-d8		*113 %*	*70-130*	*03/11/24*	*03/18/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: RAS			Batch: 2411020
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/11/24	03/18/24	
Surrogate: Bromofluorobenzene		*101 %*	*70-130*	*03/11/24*	*03/18/24*	
Surrogate: 1,2-Dichloroethane-d4		*96.4 %*	*70-130*	*03/11/24*	*03/18/24*	
Surrogate: Toluene-d8		*113 %*	*70-130*	*03/11/24*	*03/18/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KM			Batch: 2411071
Diesel Range Organics (C10-C28)	ND	25.0	1	03/13/24	03/14/24	
Oil Range Organics (C28-C36)	ND	50.0	1	03/13/24	03/14/24	
Surrogate: n-Nonane		*104 %*	*50-200*	*03/13/24*	*03/14/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: IY			Batch: 2411100
Chloride	**4280**	40.0	2	03/14/24	03/15/24	

Sample Data

Pima Environmental Services-Carlsbad	Project Name:	2005 A 0S	
PO Box 247	Project Number:	23093-0001	**Reported:**
Plains TX, 79355-0247	Project Manager:	Gio Gomez	3/19/2024 4:50:34PM

S1-2'

E403090-02

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: RAS			Batch: 2411020
Benzene	ND	0.0250	1	03/11/24	03/18/24	
Ethylbenzene	ND	0.0250	1	03/11/24	03/18/24	
Toluene	ND	0.0250	1	03/11/24	03/18/24	
o-Xylene	ND	0.0250	1	03/11/24	03/18/24	
p,m-Xylene	ND	0.0500	1	03/11/24	03/18/24	
Total Xylenes	ND	0.0250	1	03/11/24	03/18/24	
Surrogate: Bromofluorobenzene		*98.0 %*	*70-130*	*03/11/24*	*03/18/24*	
Surrogate: 1,2-Dichloroethane-d4		*99.4 %*	*70-130*	*03/11/24*	*03/18/24*	
Surrogate: Toluene-d8		*94.9 %*	*70-130*	*03/11/24*	*03/18/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: RAS			Batch: 2411020
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/11/24	03/18/24	
Surrogate: Bromofluorobenzene		*98.0 %*	*70-130*	*03/11/24*	*03/18/24*	
Surrogate: 1,2-Dichloroethane-d4		*99.4 %*	*70-130*	*03/11/24*	*03/18/24*	
Surrogate: Toluene-d8		*94.9 %*	*70-130*	*03/11/24*	*03/18/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KM			Batch: 2411071
Diesel Range Organics (C10-C28)	ND	25.0	1	03/13/24	03/14/24	
Oil Range Organics (C28-C36)	ND	50.0	1	03/13/24	03/14/24	
Surrogate: n-Nonane		*102 %*	*50-200*	*03/13/24*	*03/14/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: IY			Batch: 2411100
Chloride	**760**	20.0	1	03/14/24	03/15/24	

Sample Data

Pima Environmental Services-Carlsbad	Project Name:	2005 A 0S	
PO Box 247	Project Number:	23093-0001	**Reported:**
Plains TX, 79355-0247	Project Manager:	Gio Gomez	3/19/2024 4:50:34PM

S1-3'

E403090-03

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: RAS			Batch: 2411020
Benzene	ND	0.0250	1	03/11/24	03/18/24	
Ethylbenzene	ND	0.0250	1	03/11/24	03/18/24	
Toluene	ND	0.0250	1	03/11/24	03/18/24	
o-Xylene	ND	0.0250	1	03/11/24	03/18/24	
p,m-Xylene	ND	0.0500	1	03/11/24	03/18/24	
Total Xylenes	ND	0.0250	1	03/11/24	03/18/24	
Surrogate: Bromofluorobenzene		*97.3 %*	*70-130*	*03/11/24*	*03/18/24*	
Surrogate: 1,2-Dichloroethane-d4		*97.3 %*	*70-130*	*03/11/24*	*03/18/24*	
Surrogate: Toluene-d8		*101 %*	*70-130*	*03/11/24*	*03/18/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: RAS			Batch: 2411020
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/11/24	03/18/24	
Surrogate: Bromofluorobenzene		*97.3 %*	*70-130*	*03/11/24*	*03/18/24*	
Surrogate: 1,2-Dichloroethane-d4		*97.3 %*	*70-130*	*03/11/24*	*03/18/24*	
Surrogate: Toluene-d8		*101 %*	*70-130*	*03/11/24*	*03/18/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KM			Batch: 2411071
Diesel Range Organics (C10-C28)	ND	25.0	1	03/13/24	03/14/24	
Oil Range Organics (C28-C36)	ND	50.0	1	03/13/24	03/14/24	
Surrogate: n-Nonane		*95.9 %*	*50-200*	*03/13/24*	*03/14/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: IY			Batch: 2411100
Chloride	**28.1**	20.0	1	03/14/24	03/15/24	

Sample Data

Pima Environmental Services-Carlsbad	Project Name:	2005 A 0S	
PO Box 247	Project Number:	23093-0001	**Reported:**
Plains TX, 79355-0247	Project Manager:	Gio Gomez	3/19/2024 4:50:34PM

S1-4'

E403090-04

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: RAS			Batch: 2411020
Benzene	ND	0.0250	1	03/11/24	03/18/24	
Ethylbenzene	ND	0.0250	1	03/11/24	03/18/24	
Toluene	ND	0.0250	1	03/11/24	03/18/24	
o-Xylene	ND	0.0250	1	03/11/24	03/18/24	
p,m-Xylene	ND	0.0500	1	03/11/24	03/18/24	
Total Xylenes	ND	0.0250	1	03/11/24	03/18/24	
Surrogate: Bromofluorobenzene		*96.5 %*	*70-130*	*03/11/24*	*03/18/24*	
Surrogate: 1,2-Dichloroethane-d4		*101 %*	*70-130*	*03/11/24*	*03/18/24*	
Surrogate: Toluene-d8		*98.2 %*	*70-130*	*03/11/24*	*03/18/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: RAS			Batch: 2411020
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/11/24	03/18/24	
Surrogate: Bromofluorobenzene		*96.5 %*	*70-130*	*03/11/24*	*03/18/24*	
Surrogate: 1,2-Dichloroethane-d4		*101 %*	*70-130*	*03/11/24*	*03/18/24*	
Surrogate: Toluene-d8		*98.2 %*	*70-130*	*03/11/24*	*03/18/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KM			Batch: 2411071
Diesel Range Organics (C10-C28)	ND	25.0	1	03/13/24	03/14/24	
Oil Range Organics (C28-C36)	ND	50.0	1	03/13/24	03/14/24	
Surrogate: n-Nonane		*97.3 %*	*50-200*	*03/13/24*	*03/14/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: IY			Batch: 2411100
Chloride	**451**	20.0	1	03/14/24	03/15/24	

Sample Data

Pima Environmental Services-Carlsbad	Project Name:	2005 A 0S	
PO Box 247	Project Number:	23093-0001	**Reported:**
Plains TX, 79355-0247	Project Manager:	Gio Gomez	3/19/2024 4:50:34PM

S2-1'

E403090-05

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: RAS			Batch: 2411020
Benzene	ND	0.0250	1	03/11/24	03/18/24	
Ethylbenzene	ND	0.0250	1	03/11/24	03/18/24	
Toluene	ND	0.0250	1	03/11/24	03/18/24	
o-Xylene	ND	0.0250	1	03/11/24	03/18/24	
p,m-Xylene	ND	0.0500	1	03/11/24	03/18/24	
Total Xylenes	ND	0.0250	1	03/11/24	03/18/24	
Surrogate: Bromofluorobenzene		*96.8 %*	*70-130*	*03/11/24*	*03/18/24*	
Surrogate: 1,2-Dichloroethane-d4		*99.3 %*	*70-130*	*03/11/24*	*03/18/24*	
Surrogate: Toluene-d8		*107 %*	*70-130*	*03/11/24*	*03/18/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: RAS			Batch: 2411020
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/11/24	03/18/24	
Surrogate: Bromofluorobenzene		*96.8 %*	*70-130*	*03/11/24*	*03/18/24*	
Surrogate: 1,2-Dichloroethane-d4		*99.3 %*	*70-130*	*03/11/24*	*03/18/24*	
Surrogate: Toluene-d8		*107 %*	*70-130*	*03/11/24*	*03/18/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KM			Batch: 2411071
Diesel Range Organics (C10-C28)	ND	25.0	1	03/13/24	03/14/24	
Oil Range Organics (C28-C36)	ND	50.0	1	03/13/24	03/14/24	
Surrogate: n-Nonane		*99.8 %*	*50-200*	*03/13/24*	*03/14/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: IY			Batch: 2411100
Chloride	**3870**	40.0	2	03/14/24	03/15/24	

Sample Data

Pima Environmental Services-Carlsbad	Project Name:	2005 A 0S	
PO Box 247	Project Number:	23093-0001	**Reported:**
Plains TX, 79355-0247	Project Manager:	Gio Gomez	3/19/2024 4:50:34PM

S2-2'

E403090-06

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: RAS			Batch: 2411020
Benzene	ND	0.0250	1	03/11/24	03/18/24	
Ethylbenzene	ND	0.0250	1	03/11/24	03/18/24	
Toluene	ND	0.0250	1	03/11/24	03/18/24	
o-Xylene	ND	0.0250	1	03/11/24	03/18/24	
p,m-Xylene	ND	0.0500	1	03/11/24	03/18/24	
Total Xylenes	ND	0.0250	1	03/11/24	03/18/24	
Surrogate: Bromofluorobenzene		*97.6 %*	*70-130*	*03/11/24*	*03/18/24*	
Surrogate: 1,2-Dichloroethane-d4		*98.7 %*	*70-130*	*03/11/24*	*03/18/24*	
Surrogate: Toluene-d8		*114 %*	*70-130*	*03/11/24*	*03/18/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: RAS			Batch: 2411020
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/11/24	03/18/24	
Surrogate: Bromofluorobenzene		*97.6 %*	*70-130*	*03/11/24*	*03/18/24*	
Surrogate: 1,2-Dichloroethane-d4		*98.7 %*	*70-130*	*03/11/24*	*03/18/24*	
Surrogate: Toluene-d8		*114 %*	*70-130*	*03/11/24*	*03/18/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KM			Batch: 2411071
Diesel Range Organics (C10-C28)	ND	25.0	1	03/13/24	03/14/24	
Oil Range Organics (C28-C36)	ND	50.0	1	03/13/24	03/14/24	
Surrogate: n-Nonane		*101 %*	*50-200*	*03/13/24*	*03/14/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: IY			Batch: 2411100
Chloride	**754**	20.0	1	03/14/24	03/15/24	

Sample Data

Pima Environmental Services-Carlsbad	Project Name:	2005 A 0S	
PO Box 247	Project Number:	23093-0001	**Reported:**
Plains TX, 79355-0247	Project Manager:	Gio Gomez	3/19/2024 4:50:34PM

S2-3'

E403090-07

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: RAS			Batch: 2411020
Benzene	ND	0.0250	1	03/11/24	03/18/24	
Ethylbenzene	ND	0.0250	1	03/11/24	03/18/24	
Toluene	ND	0.0250	1	03/11/24	03/18/24	
o-Xylene	ND	0.0250	1	03/11/24	03/18/24	
p,m-Xylene	ND	0.0500	1	03/11/24	03/18/24	
Total Xylenes	ND	0.0250	1	03/11/24	03/18/24	
Surrogate: Bromofluorobenzene		*103 %*	*70-130*	*03/11/24*	*03/18/24*	
Surrogate: 1,2-Dichloroethane-d4		*101 %*	*70-130*	*03/11/24*	*03/18/24*	
Surrogate: Toluene-d8		*97.7 %*	*70-130*	*03/11/24*	*03/18/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: RAS			Batch: 2411020
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/11/24	03/18/24	
Surrogate: Bromofluorobenzene		*103 %*	*70-130*	*03/11/24*	*03/18/24*	
Surrogate: 1,2-Dichloroethane-d4		*101 %*	*70-130*	*03/11/24*	*03/18/24*	
Surrogate: Toluene-d8		*97.7 %*	*70-130*	*03/11/24*	*03/18/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KM			Batch: 2411071
Diesel Range Organics (C10-C28)	ND	25.0	1	03/13/24	03/14/24	
Oil Range Organics (C28-C36)	ND	50.0	1	03/13/24	03/14/24	
Surrogate: n-Nonane		*102 %*	*50-200*	*03/13/24*	*03/14/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: IY			Batch: 2411100
Chloride	**27.3**	20.0	1	03/14/24	03/15/24	

Sample Data

Pima Environmental Services-Carlsbad	Project Name:	2005 A 0S	
PO Box 247	Project Number:	23093-0001	**Reported:**
Plains TX, 79355-0247	Project Manager:	Gio Gomez	3/19/2024 4:50:34PM

S2-4'

E403090-08

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: RAS			Batch: 2411020
Benzene	ND	0.0250	1	03/11/24	03/18/24	
Ethylbenzene	ND	0.0250	1	03/11/24	03/18/24	
Toluene	ND	0.0250	1	03/11/24	03/18/24	
o-Xylene	ND	0.0250	1	03/11/24	03/18/24	
p,m-Xylene	ND	0.0500	1	03/11/24	03/18/24	
Total Xylenes	ND	0.0250	1	03/11/24	03/18/24	
Surrogate: Bromofluorobenzene		*98.3 %*	*70-130*	*03/11/24*	*03/18/24*	
Surrogate: 1,2-Dichloroethane-d4		*96.5 %*	*70-130*	*03/11/24*	*03/18/24*	
Surrogate: Toluene-d8		*96.6 %*	*70-130*	*03/11/24*	*03/18/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: RAS			Batch: 2411020
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/11/24	03/18/24	
Surrogate: Bromofluorobenzene		*98.3 %*	*70-130*	*03/11/24*	*03/18/24*	
Surrogate: 1,2-Dichloroethane-d4		*96.5 %*	*70-130*	*03/11/24*	*03/18/24*	
Surrogate: Toluene-d8		*96.6 %*	*70-130*	*03/11/24*	*03/18/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KM			Batch: 2411071
Diesel Range Organics (C10-C28)	ND	25.0	1	03/13/24	03/14/24	
Oil Range Organics (C28-C36)	ND	50.0	1	03/13/24	03/14/24	
Surrogate: n-Nonane		*103 %*	*50-200*	*03/13/24*	*03/14/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: IY			Batch: 2411100
Chloride	**405**	20.0	1	03/14/24	03/15/24	

Sample Data

Pima Environmental Services-Carlsbad	Project Name:	2005 A 0S	
PO Box 247	Project Number:	23093-0001	**Reported:**
Plains TX, 79355-0247	Project Manager:	Gio Gomez	3/19/2024 4:50:34PM

SW1

E403090-09

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: RAS			Batch: 2411020
Benzene	ND	0.0250	1	03/11/24	03/18/24	
Ethylbenzene	ND	0.0250	1	03/11/24	03/18/24	
Toluene	ND	0.0250	1	03/11/24	03/18/24	
o-Xylene	ND	0.0250	1	03/11/24	03/18/24	
p,m-Xylene	ND	0.0500	1	03/11/24	03/18/24	
Total Xylenes	ND	0.0250	1	03/11/24	03/18/24	
Surrogate: Bromofluorobenzene		*96.7 %*	*70-130*	*03/11/24*	*03/18/24*	
Surrogate: 1,2-Dichloroethane-d4		*101 %*	*70-130*	*03/11/24*	*03/18/24*	
Surrogate: Toluene-d8		*92.9 %*	*70-130*	*03/11/24*	*03/18/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: RAS			Batch: 2411020
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/11/24	03/18/24	
Surrogate: Bromofluorobenzene		*96.7 %*	*70-130*	*03/11/24*	*03/18/24*	
Surrogate: 1,2-Dichloroethane-d4		*101 %*	*70-130*	*03/11/24*	*03/18/24*	
Surrogate: Toluene-d8		*92.9 %*	*70-130*	*03/11/24*	*03/18/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KM			Batch: 2411071
Diesel Range Organics (C10-C28)	ND	25.0	1	03/13/24	03/14/24	
Oil Range Organics (C28-C36)	ND	50.0	1	03/13/24	03/14/24	
Surrogate: n-Nonane		*108 %*	*50-200*	*03/13/24*	*03/14/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: IY			Batch: 2411100
Chloride	ND	20.0	1	03/14/24	03/15/24	

Sample Data

Pima Environmental Services-Carlsbad	Project Name:	2005 A 0S	
PO Box 247	Project Number:	23093-0001	**Reported:**
Plains TX, 79355-0247	Project Manager:	Gio Gomez	3/19/2024 4:50:34PM

SW2

E403090-10

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: RAS			Batch: 2411020
Benzene	ND	0.0250	1	03/11/24	03/18/24	
Ethylbenzene	ND	0.0250	1	03/11/24	03/18/24	
Toluene	ND	0.0250	1	03/11/24	03/18/24	
o-Xylene	ND	0.0250	1	03/11/24	03/18/24	
p,m-Xylene	ND	0.0500	1	03/11/24	03/18/24	
Total Xylenes	ND	0.0250	1	03/11/24	03/18/24	
Surrogate: Bromofluorobenzene		*103 %*	*70-130*	*03/11/24*	*03/18/24*	
Surrogate: 1,2-Dichloroethane-d4		*101 %*	*70-130*	*03/11/24*	*03/18/24*	
Surrogate: Toluene-d8		*99.1 %*	*70-130*	*03/11/24*	*03/18/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: RAS			Batch: 2411020
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/11/24	03/18/24	
Surrogate: Bromofluorobenzene		*103 %*	*70-130*	*03/11/24*	*03/18/24*	
Surrogate: 1,2-Dichloroethane-d4		*101 %*	*70-130*	*03/11/24*	*03/18/24*	
Surrogate: Toluene-d8		*99.1 %*	*70-130*	*03/11/24*	*03/18/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KM			Batch: 2411071
Diesel Range Organics (C10-C28)	ND	25.0	1	03/13/24	03/14/24	
Oil Range Organics (C28-C36)	ND	50.0	1	03/13/24	03/14/24	
Surrogate: n-Nonane		*104 %*	*50-200*	*03/13/24*	*03/14/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: IY			Batch: 2411100
Chloride	ND	20.0	1	03/14/24	03/16/24	

Sample Data

Pima Environmental Services-Carlsbad	Project Name:	2005 A 0S	
PO Box 247	Project Number:	23093-0001	**Reported:**
Plains TX, 79355-0247	Project Manager:	Gio Gomez	3/19/2024 4:50:34PM

SW3

E403090-11

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: RAS			Batch: 2411020
Benzene	ND	0.0250	1	03/11/24	03/18/24	
Ethylbenzene	ND	0.0250	1	03/11/24	03/18/24	
Toluene	ND	0.0250	1	03/11/24	03/18/24	
o-Xylene	ND	0.0250	1	03/11/24	03/18/24	
p,m-Xylene	ND	0.0500	1	03/11/24	03/18/24	
Total Xylenes	ND	0.0250	1	03/11/24	03/18/24	
Surrogate: Bromofluorobenzene		*97.3 %*	*70-130*	*03/11/24*	*03/18/24*	
Surrogate: 1,2-Dichloroethane-d4		*97.9 %*	*70-130*	*03/11/24*	*03/18/24*	
Surrogate: Toluene-d8		*96.8 %*	*70-130*	*03/11/24*	*03/18/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: RAS			Batch: 2411020
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/11/24	03/18/24	
Surrogate: Bromofluorobenzene		*97.3 %*	*70-130*	*03/11/24*	*03/18/24*	
Surrogate: 1,2-Dichloroethane-d4		*97.9 %*	*70-130*	*03/11/24*	*03/18/24*	
Surrogate: Toluene-d8		*96.8 %*	*70-130*	*03/11/24*	*03/18/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KM			Batch: 2411071
Diesel Range Organics (C10-C28)	ND	25.0	1	03/13/24	03/14/24	
Oil Range Organics (C28-C36)	ND	50.0	1	03/13/24	03/14/24	
Surrogate: n-Nonane		*108 %*	*50-200*	*03/13/24*	*03/14/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: IY			Batch: 2411100
Chloride	ND	20.0	1	03/14/24	03/16/24	

Sample Data

Pima Environmental Services-Carlsbad	Project Name:	2005 A 0S	
PO Box 247	Project Number:	23093-0001	**Reported:**
Plains TX, 79355-0247	Project Manager:	Gio Gomez	3/19/2024 4:50:34PM

SW4

E403090-12

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: RAS			Batch: 2411020
Benzene	ND	0.0250	1	03/11/24	03/18/24	
Ethylbenzene	ND	0.0250	1	03/11/24	03/18/24	
Toluene	ND	0.0250	1	03/11/24	03/18/24	
o-Xylene	ND	0.0250	1	03/11/24	03/18/24	
p,m-Xylene	ND	0.0500	1	03/11/24	03/18/24	
Total Xylenes	ND	0.0250	1	03/11/24	03/18/24	
Surrogate: Bromofluorobenzene		*89.2 %*	*70-130*	*03/11/24*	*03/18/24*	
Surrogate: 1,2-Dichloroethane-d4		*102 %*	*70-130*	*03/11/24*	*03/18/24*	
Surrogate: Toluene-d8		*108 %*	*70-130*	*03/11/24*	*03/18/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: RAS			Batch: 2411020
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/11/24	03/18/24	
Surrogate: Bromofluorobenzene		*89.2 %*	*70-130*	*03/11/24*	*03/18/24*	
Surrogate: 1,2-Dichloroethane-d4		*102 %*	*70-130*	*03/11/24*	*03/18/24*	
Surrogate: Toluene-d8		*108 %*	*70-130*	*03/11/24*	*03/18/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KM			Batch: 2411071
Diesel Range Organics (C10-C28)	ND	25.0	1	03/13/24	03/14/24	
Oil Range Organics (C28-C36)	ND	50.0	1	03/13/24	03/14/24	
Surrogate: n-Nonane		*105 %*	*50-200*	*03/13/24*	*03/14/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: IY			Batch: 2411100
Chloride	ND	20.0	1	03/14/24	03/16/24	

QC Summary Data

Pima Environmental Services-Carlsbad	Project Name:	2005 A 0S	**Reported:**
PO Box 247	Project Number:	23093-0001	
Plains TX, 79355-0247	Project Manager:	Gio Gomez	3/19/2024 4:50:34PM

Volatile Organic Compounds by EPA 8260B

Analyst: RAS

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2411020-BLK1)									Prepared: 03/11/24 Analyzed: 03/18/24
Benzene	ND	0.0250							
Ethylbenzene	ND	0.0250							
Toluene	ND	0.0250							
o-Xylene	ND	0.0250							
p,m-Xylene	ND	0.0500							
Total Xylenes	ND	0.0250							
Surrogate: Bromofluorobenzene	*0.472*		*0.500*		*94.4*	*70-130*			
Surrogate: 1,2-Dichloroethane-d4	*0.491*		*0.500*		*98.1*	*70-130*			
Surrogate: Toluene-d8	*0.558*		*0.500*		*112*	*70-130*			
LCS (2411020-BS1)									Prepared: 03/11/24 Analyzed: 03/19/24
Benzene	2.39	0.0250	2.50		95.6	70-130			
Ethylbenzene	2.44	0.0250	2.50		97.6	70-130			
Toluene	2.34	0.0250	2.50		93.8	70-130			
o-Xylene	2.53	0.0250	2.50		101	70-130			
p,m-Xylene	4.96	0.0500	5.00		99.3	70-130			
Total Xylenes	7.49	0.0250	7.50		99.9	70-130			
Surrogate: Bromofluorobenzene	*0.528*		*0.500*		*106*	*70-130*			
Surrogate: 1,2-Dichloroethane-d4	*0.514*		*0.500*		*103*	*70-130*			
Surrogate: Toluene-d8	*0.455*		*0.500*		*90.9*	*70-130*			
Matrix Spike (2411020-MS1)				**Source: E403090-10**					Prepared: 03/11/24 Analyzed: 03/18/24
Benzene	2.37	0.0250	2.50	ND	94.7	48-131			
Ethylbenzene	2.41	0.0250	2.50	ND	96.2	45-135			
Toluene	2.62	0.0250	2.50	ND	105	48-130			
o-Xylene	2.40	0.0250	2.50	ND	96.0	43-135			
p,m-Xylene	4.62	0.0500	5.00	ND	92.4	43-135			
Total Xylenes	7.02	0.0250	7.50	ND	93.6	43-135			
Surrogate: Bromofluorobenzene	*0.505*		*0.500*		*101*	*70-130*			
Surrogate: 1,2-Dichloroethane-d4	*0.475*		*0.500*		*94.9*	*70-130*			
Surrogate: Toluene-d8	*0.519*		*0.500*		*104*	*70-130*			
Matrix Spike Dup (2411020-MSD1)				**Source: E403090-10**					Prepared: 03/11/24 Analyzed: 03/18/24
Benzene	2.56	0.0250	2.50	ND	102	48-131	7.67	23	
Ethylbenzene	2.54	0.0250	2.50	ND	102	45-135	5.38	27	
Toluene	2.89	0.0250	2.50	ND	115	48-130	9.85	24	
o-Xylene	2.50	0.0250	2.50	ND	100	43-135	4.10	27	
p,m-Xylene	4.99	0.0500	5.00	ND	99.7	43-135	7.63	27	
Total Xylenes	7.49	0.0250	7.50	ND	99.8	43-135	6.44	27	
Surrogate: Bromofluorobenzene	*0.480*		*0.500*		*95.9*	*70-130*			
Surrogate: 1,2-Dichloroethane-d4	*0.496*		*0.500*		*99.2*	*70-130*			
Surrogate: Toluene-d8	*0.542*		*0.500*		*108*	*70-130*			

QC Summary Data

Pima Environmental Services-Carlsbad	Project Name:	2005 A 0S	**Reported:**
PO Box 247	Project Number:	23093-0001	
Plains TX, 79355-0247	Project Manager:	Gio Gomez	3/19/2024 4:50:34PM

Nonhalogenated Organics by EPA 8015D - GRO

Analyst: RAS

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2411020-BLK1)									Prepared: 03/11/24 Analyzed: 03/18/24
Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: Bromofluorobenzene	*0.472*		*0.500*		*94.4*	*70-130*			
Surrogate: 1,2-Dichloroethane-d4	*0.491*		*0.500*		*98.1*	*70-130*			
Surrogate: Toluene-d8	*0.558*		*0.500*		*112*	*70-130*			
LCS (2411020-BS2)									Prepared: 03/11/24 Analyzed: 03/18/24
Gasoline Range Organics (C6-C10)	51.0	20.0	50.0		102	70-130			
Surrogate: Bromofluorobenzene	*0.488*		*0.500*		*97.5*	*70-130*			
Surrogate: 1,2-Dichloroethane-d4	*0.493*		*0.500*		*98.6*	*70-130*			
Surrogate: Toluene-d8	*0.474*		*0.500*		*94.7*	*70-130*			
Matrix Spike (2411020-MS2)				**Source: E403090-10**					Prepared: 03/11/24 Analyzed: 03/18/24
Gasoline Range Organics (C6-C10)	52.1	20.0	50.0	ND	104	70-130			
Surrogate: Bromofluorobenzene	*0.507*		*0.500*		*101*	*70-130*			
Surrogate: 1,2-Dichloroethane-d4	*0.483*		*0.500*		*96.6*	*70-130*			
Surrogate: Toluene-d8	*0.516*		*0.500*		*103*	*70-130*			
Matrix Spike Dup (2411020-MSD2)				**Source: E403090-10**					Prepared: 03/11/24 Analyzed: 03/19/24
Gasoline Range Organics (C6-C10)	50.1	20.0	50.0	ND	100	70-130	4.03	20	
Surrogate: Bromofluorobenzene	*0.443*		*0.500*		*88.6*	*70-130*			
Surrogate: 1,2-Dichloroethane-d4	*0.482*		*0.500*		*96.3*	*70-130*			
Surrogate: Toluene-d8	*0.548*		*0.500*		*110*	*70-130*			

QC Summary Data

Pima Environmental Services-Carlsbad	Project Name:	2005 A 0S	**Reported:**
PO Box 247	Project Number:	23093-0001	
Plains TX, 79355-0247	Project Manager:	Gio Gomez	3/19/2024 4:50:34PM

Nonhalogenated Organics by EPA 8015D - DRO/ORO

Analyst: KM

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2411071-BLK1)									Prepared: 03/13/24 Analyzed: 03/14/24
Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	*51.5*		*50.0*		*103*	*50-200*			
LCS (2411071-BS1)									Prepared: 03/13/24 Analyzed: 03/14/24
Diesel Range Organics (C10-C28)	271	25.0	250		108	38-132			
Surrogate: n-Nonane	*51.1*		*50.0*		*102*	*50-200*			
LCS Dup (2411071-BSD1)									Prepared: 03/13/24 Analyzed: 03/14/24
Diesel Range Organics (C10-C28)	276	25.0	250		110	38-132	1.78	20	
Surrogate: n-Nonane	*50.0*		*50.0*		*100*	*50-200*			

QC Summary Data

Pima Environmental Services-Carlsbad	Project Name:	2005 A 0S	**Reported:**
PO Box 247	Project Number:	23093-0001	
Plains TX, 79355-0247	Project Manager:	Gio Gomez	3/19/2024 4:50:34PM

Anions by EPA 300.0/9056A

Analyst: IY

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2411100-BLK1)									Prepared: 03/14/24 Analyzed: 03/15/24
Chloride	ND	20.0							
LCS (2411100-BS1)									Prepared: 03/14/24 Analyzed: 03/15/24
Chloride	260	20.0	250		104	90-110			
LCS Dup (2411100-BSD1)									Prepared: 03/14/24 Analyzed: 03/15/24
Chloride	259	20.0	250		104	90-110	0.534	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:	2005 A 0S	
PO Box 247	Project Number:	23093-0001	**Reported:**
Plains TX, 79355-0247	Project Manager:	Gio Gomez	03/19/24 16:50

ND	Analyte NOT DETECTED at or above the reporting limit
NR	Not Reported
RPD	Relative Percent Difference
DNI	Did Not Ignite
DNR	Did not react with the addition of acid or base.

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

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

Project Information

Chain of Custody

Client: Pima Environmental Services
Project: 2005 A OS
Project Manager: Gio Gomez
Address: 5614 N. Lovington Hwy.
City, State, Zip Hobbs, NM, 88240
Phone: 806-782-1151
Email: gio@pimaoil.com
Report due by:

Bill To
Attention: Armstrong
Address:
City, State, Zip
Phone:
Email:
Pima Project # 19-17

Lab Use Only
Lab WO# E403090
Job Number 22093-0001

TAT: 1D | 2D | 3D | Standard (X)

EPA Program: CWA | SDWA | RCRA

State: NM (X) | CO | UT | AZ | TX

Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Lab Number	DRO/ORO by 8015	GRO/DRO by 8015	BTEX by 8021	VOC by 8260	Metals 6010	Chloride 300.0	BGDOC NM	BGDOC TX	Remarks
7:16	3/6	S	1	S1-1'	1							X		
7:19	"	"	"	S1-2'	2							"		
7:30	"	"	"	S1-3'	3							"		
7:31	"	"	"	S1-4'	4							"		
7:46	"	"	"	S2-1'	5							"		
7:51	"	"	"	S2-2'	6							"		
7:59	"	"	"	S2-3'	7							"		
8:09	"	"	"	S2-4'	8							"		
8:17	"	"	"	SW1	9							"		
8:21	"	"	"	SW2	10							"		

Additional Instructions: Bill to Pima

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:

Samples requiring thermal preservation must be received on ice the day they are sampled or received packed in ice at an avg temp above 0 but less than 6 °C on subsequent days.

Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time
Karina Adame	3/8/24	1:50	Michelle Cuyl	3-8-24	1350
Michelle Cuyl	3-8-24	1745	Andrew Abbo	3.8.24	1745
Andrew Abbo	3.8.24	2400	Rafa Jmz	3/9/24	9:00

Lab Use Only
Received on ice: (Y) / N
T1 T2 T3
AVG Temp °C 4

Container Type: **g** - glass, **p** - poly/plastic, **ag** - amber glass, v - VOA

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

Project Information

Chain of Custody

Client: Pima Environmental Services
Project: 2005 A 05
Project Manager: Gio Gomez
Address: 5614 N. Lovington Hwy.
City, State, Zip Hobbs, NM, 88240
Phone: 806-782-1151
Email: gio@pimaoil.com
Report due by:

Bill To
Attention: Armstrong
Address:
City, State, Zip
Phone:
Email:
Pima Project # 19-17

Lab Use Only
Lab WO# E 403090
Job Number 22093-0001

TAT: 1D | 2D | 3D | Standard (X)

EPA Program: CWA | SDWA | RCRA

State: NM (X) | CO | UT | AZ | TX

Analysis and Method

Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Lab Number	DRO/ORO by 8015	GRO/DRO by 8015	BTEX by 8021	VOC by 8260	Metals 6010	Chloride 300.0			BGDOC NM	BGDOC TX			Remarks
8:33	3/6	S	1	SW3	11									X				
8:46	"	"	1	SW4	12									"				

Additional Instructions: Bill to Pima

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:

Samples requiring thermal preservation must be received on ice the day they are sampled or received packed in ice at an avg temp above 0 but less than 6 °C on subsequent days.

Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time
Karime Adame	3/8/24	1:50		3-8-24	1350
	3-8-24	1745		3.8.24	1745
	3.8.24	2400		3/9/24	9:00

Lab Use Only
Received on ice: (Y) / N
T1 T2 T3
AVG Temp °C 4

Container Type: g - glass, p - poly/plastic, ag - amber glass, v - VOA

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

Envirotech Analytical Laboratory

Printed: 3/11/2024 5:09:19PM

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:	03/09/24 09:00	Work Order ID:	E403090
Phone:	(575) 631-6977	Date Logged In:	03/08/24 17:29	Logged In By:	Alexa Michaels
Email:	gio@pimaoil.com	Due Date:	03/15/24 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	Carrier: Courier
4. Was the COC complete, i.e., signatures, dates/times, requested analyses?	Yes	
5. Were all samples received within holding time? Note: Analysis, such as pH which should be conducted in the field, i.e, 15 minute hold time, are not included in this disucssion.	Yes	

Comments/Resolution

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

Gio Gomez

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:	2005 A 05 (Government G)
Work Order:	E405342
Job Number:	22093-0001
Received:	5/24/2024

Revision: 2

Report Reviewed By:

Walter Hinchman
Laboratory Director
5/31/24

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: 5/31/24

Gio Gomez
PO Box 247
Plains, TX 79355-0247

Project Name: 2005 A 05 (Government G)
Workorder: E405342
Date Received: 5/24/2024 8:00:00AM

Gio Gomez,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 5/24/2024 8:00:00AM, under the Project Name: 2005 A 05 (Government G).

The analytical test results summarized in this report with the Project Name: 2005 A 05 (Government G) apply to the individual samples collected, identified and submitted bearing the project name on the enclosed chain-of-custody. Subcontracted sample analyses not conducted by Envirotech, Inc., are attached in full as issued by the subcontract laboratory.

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

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

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

Respectfully,

Walter Hinchman
Laboratory Director
Office: 505-632-1881
Cell: 775-287-1762
whinchman@envirotech-inc.com

Raina Schwanz
Laboratory Administrator
Office: 505-632-1881
rainaschwanz@envirotech-inc.com

Alexa Michaels
Sample Custody Officer
Office: 505-632-1881
labadmin@envirotech-inc.com

Field Offices:

Southern New Mexico Area

Lynn Jarboe
Laboratory Technical Representative
Office: 505-421-LABS(5227)
Cell: 505-320-4759
ljarboe@envirotech-inc.com

Michelle Golzales
Client Representative
Office: 505-421-LABS(5227)
Cell: 505-947-8222
mgonzales@envirotech-inc.com

Envirotech Web Address: www.envirotech-inc.com

Table of Contents

Sample Summary

Pima Environmental Services-Carlsbad	Project Name:	2005 A 05 (Government G)	**Reported:**
PO Box 247	Project Number:	22093-0001	
Plains TX, 79355-0247	Project Manager:	Gio Gomez	05/31/24 07:13

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
CS1	E405342-01A	Soil	05/23/24	05/24/24	Glass Jar, 2 oz.
CS2	E405342-02A	Soil	05/23/24	05/24/24	Glass Jar, 2 oz.
CS3	E405342-03A	Soil	05/23/24	05/24/24	Glass Jar, 2 oz.
CS4	E405342-04A	Soil	05/23/24	05/24/24	Glass Jar, 2 oz.
CS5	E405342-05A	Soil	05/23/24	05/24/24	Glass Jar, 2 oz.
CS6	E405342-06A	Soil	05/23/24	05/24/24	Glass Jar, 2 oz.
CSW1	E405342-07A	Soil	05/23/24	05/24/24	Glass Jar, 2 oz.
CSW2	E405342-08A	Soil	05/23/24	05/24/24	Glass Jar, 2 oz.
CSW3	E405342-09A	Soil	05/23/24	05/24/24	Glass Jar, 2 oz.
CSW4	E405342-10A	Soil	05/23/24	05/24/24	Glass Jar, 2 oz.

Sample Data

Pima Environmental Services-Carlsbad	Project Name:	2005 A 05 (Government G)	
PO Box 247	Project Number:	22093-0001	**Reported:**
Plains TX, 79355-0247	Project Manager:	Gio Gomez	5/31/2024 7:13:53AM

CS1

E405342-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: EG			Batch: 2421159
Benzene	ND	0.0250	1	05/24/24	05/25/24	
Ethylbenzene	ND	0.0250	1	05/24/24	05/25/24	
Toluene	ND	0.0250	1	05/24/24	05/25/24	
o-Xylene	ND	0.0250	1	05/24/24	05/25/24	
p,m-Xylene	ND	0.0500	1	05/24/24	05/25/24	
Total Xylenes	ND	0.0250	1	05/24/24	05/25/24	
Surrogate: 4-Bromochlorobenzene-PID		*91.6 %*	*70-130*	*05/24/24*	*05/25/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: EG			Batch: 2421159
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/24/24	05/25/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*94.8 %*	*70-130*	*05/24/24*	*05/25/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KM			Batch: 2422051
Diesel Range Organics (C10-C28)	ND	25.0	1	05/29/24	05/30/24	
Oil Range Organics (C28-C36)	ND	50.0	1	05/29/24	05/30/24	
Surrogate: n-Nonane		*102 %*	*50-200*	*05/29/24*	*05/30/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2421168
Chloride	ND	20.0	1	05/24/24	05/24/24	

Sample Data

Pima Environmental Services-Carlsbad	Project Name:	2005 A 05 (Government G)	
PO Box 247	Project Number:	22093-0001	**Reported:**
Plains TX, 79355-0247	Project Manager:	Gio Gomez	5/31/2024 7:13:53AM

CS2

E405342-02

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: EG			Batch: 2421159
Benzene	ND	0.0250	1	05/24/24	05/25/24	
Ethylbenzene	ND	0.0250	1	05/24/24	05/25/24	
Toluene	ND	0.0250	1	05/24/24	05/25/24	
o-Xylene	ND	0.0250	1	05/24/24	05/25/24	
p,m-Xylene	ND	0.0500	1	05/24/24	05/25/24	
Total Xylenes	ND	0.0250	1	05/24/24	05/25/24	
Surrogate: 4-Bromochlorobenzene-PID		*92.7 %*	*70-130*	*05/24/24*	*05/25/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: EG			Batch: 2421159
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/24/24	05/25/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*95.0 %*	*70-130*	*05/24/24*	*05/25/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KM			Batch: 2422051
Diesel Range Organics (C10-C28)	ND	25.0	1	05/29/24	05/30/24	
Oil Range Organics (C28-C36)	ND	50.0	1	05/29/24	05/30/24	
Surrogate: n-Nonane		*101 %*	*50-200*	*05/29/24*	*05/30/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2421168
Chloride	ND	20.0	1	05/24/24	05/24/24	

Sample Data

Pima Environmental Services-Carlsbad	Project Name:	2005 A 05 (Government G)	
PO Box 247	Project Number:	22093-0001	**Reported:**
Plains TX, 79355-0247	Project Manager:	Gio Gomez	5/31/2024 7:13:53AM

CS3

E405342-03

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: EG			Batch: 2421159
Benzene	ND	0.0250	1	05/24/24	05/25/24	
Ethylbenzene	ND	0.0250	1	05/24/24	05/25/24	
Toluene	ND	0.0250	1	05/24/24	05/25/24	
o-Xylene	ND	0.0250	1	05/24/24	05/25/24	
p,m-Xylene	ND	0.0500	1	05/24/24	05/25/24	
Total Xylenes	ND	0.0250	1	05/24/24	05/25/24	
Surrogate: 4-Bromochlorobenzene-PID		*92.4 %*	*70-130*	*05/24/24*	*05/25/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: EG			Batch: 2421159
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/24/24	05/25/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*94.7 %*	*70-130*	*05/24/24*	*05/25/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KM			Batch: 2422051
Diesel Range Organics (C10-C28)	ND	25.0	1	05/29/24	05/30/24	
Oil Range Organics (C28-C36)	ND	50.0	1	05/29/24	05/30/24	
Surrogate: n-Nonane		*103 %*	*50-200*	*05/29/24*	*05/30/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2421168
Chloride	ND	20.0	1	05/24/24	05/24/24	

Sample Data

Pima Environmental Services-Carlsbad	Project Name:	2005 A 05 (Government G)	
PO Box 247	Project Number:	22093-0001	**Reported:**
Plains TX, 79355-0247	Project Manager:	Gio Gomez	5/31/2024 7:13:53AM

CS4

E405342-04

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: EG			Batch: 2421159
Benzene	ND	0.0250	1	05/24/24	05/25/24	
Ethylbenzene	ND	0.0250	1	05/24/24	05/25/24	
Toluene	ND	0.0250	1	05/24/24	05/25/24	
o-Xylene	ND	0.0250	1	05/24/24	05/25/24	
p,m-Xylene	ND	0.0500	1	05/24/24	05/25/24	
Total Xylenes	ND	0.0250	1	05/24/24	05/25/24	
Surrogate: 4-Bromochlorobenzene-PID		*91.3 %*	*70-130*	*05/24/24*	*05/25/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: EG			Batch: 2421159
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/24/24	05/25/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*94.4 %*	*70-130*	*05/24/24*	*05/25/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KM			Batch: 2422051
Diesel Range Organics (C10-C28)	ND	25.0	1	05/29/24	05/30/24	
Oil Range Organics (C28-C36)	ND	50.0	1	05/29/24	05/30/24	
Surrogate: n-Nonane		*102 %*	*50-200*	*05/29/24*	*05/30/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2421168
Chloride	ND	20.0	1	05/24/24	05/24/24	

Sample Data

Pima Environmental Services-Carlsbad	Project Name:	2005 A 05 (Government G)	
PO Box 247	Project Number:	22093-0001	**Reported:**
Plains TX, 79355-0247	Project Manager:	Gio Gomez	5/31/2024 7:13:53AM

CS5

E405342-05

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: EG			Batch: 2421159
Benzene	ND	0.0250	1	05/24/24	05/25/24	
Ethylbenzene	ND	0.0250	1	05/24/24	05/25/24	
Toluene	ND	0.0250	1	05/24/24	05/25/24	
o-Xylene	ND	0.0250	1	05/24/24	05/25/24	
p,m-Xylene	ND	0.0500	1	05/24/24	05/25/24	
Total Xylenes	ND	0.0250	1	05/24/24	05/25/24	
Surrogate: 4-Bromochlorobenzene-PID		*92.9 %*	*70-130*	*05/24/24*	*05/25/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: EG			Batch: 2421159
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/24/24	05/25/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*94.6 %*	*70-130*	*05/24/24*	*05/25/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KM			Batch: 2422051
Diesel Range Organics (C10-C28)	ND	25.0	1	05/29/24	05/30/24	
Oil Range Organics (C28-C36)	ND	50.0	1	05/29/24	05/30/24	
Surrogate: n-Nonane		*103 %*	*50-200*	*05/29/24*	*05/30/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2421168
Chloride	ND	20.0	1	05/24/24	05/24/24	

Sample Data

Pima Environmental Services-Carlsbad	Project Name:	2005 A 05 (Government G)	
PO Box 247	Project Number:	22093-0001	**Reported:**
Plains TX, 79355-0247	Project Manager:	Gio Gomez	5/31/2024 7:13:53AM

CS6

E405342-06

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: EG			Batch: 2421159
Benzene	ND	0.0250	1	05/24/24	05/25/24	
Ethylbenzene	ND	0.0250	1	05/24/24	05/25/24	
Toluene	ND	0.0250	1	05/24/24	05/25/24	
o-Xylene	ND	0.0250	1	05/24/24	05/25/24	
p,m-Xylene	ND	0.0500	1	05/24/24	05/25/24	
Total Xylenes	ND	0.0250	1	05/24/24	05/25/24	
Surrogate: 4-Bromochlorobenzene-PID		*90.9 %*	*70-130*	*05/24/24*	*05/25/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: EG			Batch: 2421159
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/24/24	05/25/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*94.8 %*	*70-130*	*05/24/24*	*05/25/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KM			Batch: 2422051
Diesel Range Organics (C10-C28)	ND	25.0	1	05/29/24	05/30/24	
Oil Range Organics (C28-C36)	ND	50.0	1	05/29/24	05/30/24	
Surrogate: n-Nonane		*103 %*	*50-200*	*05/29/24*	*05/30/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2421168
Chloride	ND	20.0	1	05/24/24	05/24/24	

Sample Data

Pima Environmental Services-Carlsbad	Project Name:	2005 A 05 (Government G)	
PO Box 247	Project Number:	22093-0001	**Reported:**
Plains TX, 79355-0247	Project Manager:	Gio Gomez	5/31/2024 7:13:53AM

CSW1

E405342-07

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: EG			Batch: 2421159
Benzene	ND	0.0250	1	05/24/24	05/25/24	
Ethylbenzene	ND	0.0250	1	05/24/24	05/25/24	
Toluene	ND	0.0250	1	05/24/24	05/25/24	
o-Xylene	ND	0.0250	1	05/24/24	05/25/24	
p,m-Xylene	ND	0.0500	1	05/24/24	05/25/24	
Total Xylenes	ND	0.0250	1	05/24/24	05/25/24	
Surrogate: 4-Bromochlorobenzene-PID		*90.1 %*	*70-130*	*05/24/24*	*05/25/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: EG			Batch: 2421159
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/24/24	05/25/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*94.1 %*	*70-130*	*05/24/24*	*05/25/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KM			Batch: 2422051
Diesel Range Organics (C10-C28)	ND	25.0	1	05/29/24	05/30/24	
Oil Range Organics (C28-C36)	ND	50.0	1	05/29/24	05/30/24	
Surrogate: n-Nonane		*103 %*	*50-200*	*05/29/24*	*05/30/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2421168
Chloride	ND	20.0	1	05/24/24	05/24/24	

Sample Data

Pima Environmental Services-Carlsbad	Project Name:	2005 A 05 (Government G)	
PO Box 247	Project Number:	22093-0001	**Reported:**
Plains TX, 79355-0247	Project Manager:	Gio Gomez	5/31/2024 7:13:53AM

CSW2

E405342-08

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: EG			Batch: 2421159
Benzene	ND	0.0250	1	05/24/24	05/25/24	
Ethylbenzene	ND	0.0250	1	05/24/24	05/25/24	
Toluene	ND	0.0250	1	05/24/24	05/25/24	
o-Xylene	ND	0.0250	1	05/24/24	05/25/24	
p,m-Xylene	ND	0.0500	1	05/24/24	05/25/24	
Total Xylenes	ND	0.0250	1	05/24/24	05/25/24	
Surrogate: 4-Bromochlorobenzene-PID		*90.4 %*	*70-130*	*05/24/24*	*05/25/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: EG			Batch: 2421159
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/24/24	05/25/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*95.7 %*	*70-130*	*05/24/24*	*05/25/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KM			Batch: 2422051
Diesel Range Organics (C10-C28)	ND	25.0	1	05/29/24	05/30/24	
Oil Range Organics (C28-C36)	ND	50.0	1	05/29/24	05/30/24	
Surrogate: n-Nonane		*111 %*	*50-200*	*05/29/24*	*05/30/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2421168
Chloride	ND	20.0	1	05/24/24	05/24/24	

Sample Data

Pima Environmental Services-Carlsbad	Project Name:	2005 A 05 (Government G)	
PO Box 247	Project Number:	22093-0001	**Reported:**
Plains TX, 79355-0247	Project Manager:	Gio Gomez	5/31/2024 7:13:53AM

CSW3

E405342-09

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: EG			Batch: 2421159
Benzene	ND	0.0250	1	05/24/24	05/25/24	
Ethylbenzene	ND	0.0250	1	05/24/24	05/25/24	
Toluene	ND	0.0250	1	05/24/24	05/25/24	
o-Xylene	ND	0.0250	1	05/24/24	05/25/24	
p,m-Xylene	ND	0.0500	1	05/24/24	05/25/24	
Total Xylenes	ND	0.0250	1	05/24/24	05/25/24	
Surrogate: 4-Bromochlorobenzene-PID		*89.9 %*	*70-130*	*05/24/24*	*05/25/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: EG			Batch: 2421159
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/24/24	05/25/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*95.4 %*	*70-130*	*05/24/24*	*05/25/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KM			Batch: 2422051
Diesel Range Organics (C10-C28)	ND	25.0	1	05/29/24	05/30/24	
Oil Range Organics (C28-C36)	ND	50.0	1	05/29/24	05/30/24	
Surrogate: n-Nonane		*108 %*	*50-200*	*05/29/24*	*05/30/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2421168
Chloride	ND	20.0	1	05/24/24	05/24/24	

Sample Data

Pima Environmental Services-Carlsbad	Project Name:	2005 A 05 (Government G)	
PO Box 247	Project Number:	22093-0001	**Reported:**
Plains TX, 79355-0247	Project Manager:	Gio Gomez	5/31/2024 7:13:53AM

CSW4

E405342-10

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: EG			Batch: 2421159
Benzene	ND	0.0250	1	05/24/24	05/25/24	
Ethylbenzene	ND	0.0250	1	05/24/24	05/25/24	
Toluene	ND	0.0250	1	05/24/24	05/25/24	
o-Xylene	ND	0.0250	1	05/24/24	05/25/24	
p,m-Xylene	ND	0.0500	1	05/24/24	05/25/24	
Total Xylenes	ND	0.0250	1	05/24/24	05/25/24	
Surrogate: 4-Bromochlorobenzene-PID		*91.4 %*	*70-130*	*05/24/24*	*05/25/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: EG			Batch: 2421159
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/24/24	05/25/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*95.8 %*	*70-130*	*05/24/24*	*05/25/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KM			Batch: 2422051
Diesel Range Organics (C10-C28)	ND	25.0	1	05/29/24	05/30/24	
Oil Range Organics (C28-C36)	ND	50.0	1	05/29/24	05/30/24	
Surrogate: n-Nonane		*102 %*	*50-200*	*05/29/24*	*05/30/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2421168
Chloride	ND	20.0	1	05/24/24	05/24/24	

QC Summary Data

Pima Environmental Services-Carlsbad	Project Name:	2005 A 05 (Government G)	**Reported:**
PO Box 247	Project Number:	22093-0001	
Plains TX, 79355-0247	Project Manager:	Gio Gomez	5/31/2024 7:13:53AM

Volatile Organics by EPA 8021B

Analyst: EG

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2421159-BLK1)									Prepared: 05/24/24 Analyzed: 05/24/24
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	*7.18*		*8.00*		*89.7*	*70-130*			
LCS (2421159-BS1)									Prepared: 05/24/24 Analyzed: 05/24/24
Benzene	5.11	0.0250	5.00		102	70-130			
Ethylbenzene	4.94	0.0250	5.00		98.9	70-130			
Toluene	5.04	0.0250	5.00		101	70-130			
o-Xylene	4.89	0.0250	5.00		97.7	70-130			
p,m-Xylene	10.0	0.0500	10.0		100	70-130			
Total Xylenes	14.9	0.0250	15.0		99.4	70-130			
Surrogate: 4-Bromochlorobenzene-PID	*7.00*		*8.00*		*87.5*	*70-130*			
LCS Dup (2421159-BSD1)									Prepared: 05/24/24 Analyzed: 05/24/24
Benzene	4.68	0.0250	5.00		93.7	70-130	8.77	20	
Ethylbenzene	4.54	0.0250	5.00		90.8	70-130	8.45	20	
Toluene	4.62	0.0250	5.00		92.4	70-130	8.77	20	
o-Xylene	4.51	0.0250	5.00		90.3	70-130	7.92	20	
p,m-Xylene	9.23	0.0500	10.0		92.3	70-130	8.22	20	
Total Xylenes	13.7	0.0250	15.0		91.6	70-130	8.12	20	
Surrogate: 4-Bromochlorobenzene-PID	*7.14*		*8.00*		*89.2*	*70-130*			

QC Summary Data

Pima Environmental Services-Carlsbad	Project Name:	2005 A 05 (Government G)	**Reported:**
PO Box 247	Project Number:	22093-0001	
Plains TX, 79355-0247	Project Manager:	Gio Gomez	5/31/2024 7:13:53AM

Nonhalogenated Organics by EPA 8015D - GRO

Analyst: EG

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2421159-BLK1)									Prepared: 05/24/24 Analyzed: 05/24/24
Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: 1-Chloro-4-fluorobenzene-FID	*7.61*		*8.00*		*95.2*	*70-130*			
LCS (2421159-BS2)									Prepared: 05/24/24 Analyzed: 05/24/24
Gasoline Range Organics (C6-C10)	52.7	20.0	50.0		105	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	*7.60*		*8.00*		*95.0*	*70-130*			
LCS Dup (2421159-BSD2)									Prepared: 05/24/24 Analyzed: 05/24/24
Gasoline Range Organics (C6-C10)	52.4	20.0	50.0		105	70-130	0.516	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	*7.82*		*8.00*		*97.7*	*70-130*			

QC Summary Data

Pima Environmental Services-Carlsbad	Project Name:	2005 A 05 (Government G)	**Reported:**
PO Box 247	Project Number:	22093-0001	
Plains TX, 79355-0247	Project Manager:	Gio Gomez	5/31/2024 7:13:53AM

Nonhalogenated Organics by EPA 8015D - DRO/ORO

Analyst: KM

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2422051-BLK1)									Prepared: 05/29/24 Analyzed: 05/29/24
Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	*48.6*		*50.0*		*97.1*	*50-200*			
LCS (2422051-BS1)									Prepared: 05/29/24 Analyzed: 05/29/24
Diesel Range Organics (C10-C28)	268	25.0	250		107	38-132			
Surrogate: n-Nonane	*50.6*		*50.0*		*101*	*50-200*			
LCS Dup (2422051-BSD1)									Prepared: 05/29/24 Analyzed: 05/29/24
Diesel Range Organics (C10-C28)	272	25.0	250		109	38-132	1.48	20	
Surrogate: n-Nonane	*50.4*		*50.0*		*101*	*50-200*			

QC Summary Data

Pima Environmental Services-Carlsbad	Project Name:	2005 A 05 (Government G)	**Reported:**
PO Box 247	Project Number:	22093-0001	
Plains TX, 79355-0247	Project Manager:	Gio Gomez	5/31/2024 7:13:53AM

Anions by EPA 300.0/9056A

Analyst: DT

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2421168-BLK1)									Prepared: 05/24/24 Analyzed: 05/24/24
Chloride	ND	20.0							
LCS (2421168-BS1)									Prepared: 05/24/24 Analyzed: 05/24/24
Chloride	255	20.0	250		102	90-110			
LCS Dup (2421168-BSD1)									Prepared: 05/24/24 Analyzed: 05/24/24
Chloride	256	20.0	250		102	90-110	0.259	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:	2005 A 05 (Government G)	
PO Box 247	Project Number:	22093-0001	**Reported:**
Plains TX, 79355-0247	Project Manager:	Gio Gomez	05/31/24 07:13

ND	Analyte NOT DETECTED at or above the reporting limit
NR	Not Reported
RPD	Relative Percent Difference
DNI	Did Not Ignite
DNR	Did not react with the addition of acid or base.

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 1

Client: Pima Environmental Services
Project: 2005 A 05 (Government GI)
Project Manager: Gio Gomez
Address: 5614 N. Lovington Hwy.
City, State, Zip Hobbs, NM. 88240
Phone: 806-782-1151
Email: gio@pimaoil.com
Report due by:

Bill To
Attention: Armstrong
Address:
City, State, Zip
Phone:
Email:
Pima Project # 19-17

Lab Use Only
Lab WO# E405342
Job Number 22093-0001

TAT: 1D | 2D | 3D | Standard — 3D: X

EPA Program: CWA | SDWA | RCRA

State: NM X | CO | UT | AZ | TX

Analysis and Method

Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Lab Number	DRO/ORO by 8015	GRO/DRO by 8015	BTEX by 8021	VOC by 8260	Metals 6010	Chloride 300.0	BGDOC NM	BGDOC TX	Remarks
8:03	5/23	S		CS1	1							X		
8:10	"	"		CS2	2							"		
8:17	"	"		CS3	3							"		
8:26	"	"		CS4	4							"		
8:33	"	"		CS5	5							"		
8:41	"	"		CS6	6							"		
8:55	"	"		CSW1	7							"		
9:03	"	"		CSW2	8							"		
9:12	"	"		CSW3	9							"		
9:21	"	"		CSW4	10							"		

Additional Instructions: [redacted] Bill to Armstrong

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:

Samples requiring thermal preservation must be received on ice the day they are sampled or received packed in ice at an avg temp above 0 but less than 6 °C on subsequent days.

Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time
Karime Adame	5/23/24	1:27	Michelle Gonzales	5-23-24	1327
Michelle Gonzales	5.23.24	1620		5.23.24	1800
	5.23.24	2400		5/24/24	0800

Lab Use Only
Received on ice: (Y) N
T1 T2 T3
AVG Temp °C 4

Container Type: g - glass, p - poly/plastic, ag - amber glass, v - VOA

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

Envirotech Analytical Laboratory

Printed: 5/25/2024 9:27:00AM

Sample Receipt Checklist (SRC)

Instructions: Please take note of any NO checkmarks.
If we receive no response concerning these items within 24 hours of the date of this notice, all the samples will be analyzed as requested.

Client:	Pima Environmental Services-Carlsbad	Date Received:	05/24/24 08:00	Work Order ID:	E405342
Phone:	(575) 631-6977	Date Logged In:	05/23/24 17:25	Logged In By:	Alexa Michaels
Email:	gio@pimaoil.com	Due Date:	05/29/24 17:00 (2 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	Carrier: Courier
4. Was the COC complete, i.e., signatures, dates/times, requested analyses?	Yes	
5. Were all samples received within holding time? Note: Analysis, such as pH which should be conducted in the field, i.e, 15 minute hold time, are not included in this disucssion.	Yes	

Comments/Resolution

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

Gio Gomez

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:	2005 A 05 (Government G)
Work Order:	E406177
Job Number:	22093-0001
Received:	6/20/2024

Revision: 1

Report Reviewed By:

Walter Hinchman
Laboratory Director
6/21/24

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: 6/21/24

Gio Gomez
PO Box 247
Plains, TX 79355-0247

Project Name: 2005 A 05 (Government G)
Workorder: E406177
Date Received: 6/20/2024 5:00:00AM

Gio Gomez,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 6/20/2024 5:00:00AM, under the Project Name: 2005 A 05 (Government G).

The analytical test results summarized in this report with the Project Name: 2005 A 05 (Government G) apply to the individual samples collected, identified and submitted bearing the project name on the enclosed chain-of-custody. Subcontracted sample analyses not conducted by Envirotech, Inc., are attached in full as issued by the subcontract laboratory.

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

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

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

Respectfully,

Walter Hinchman
Laboratory Director
Office: 505-632-1881
Cell: 775-287-1762
whinchman@envirotech-inc.com

Raina Schwanz
Laboratory Administrator
Office: 505-632-1881
rainaschwanz@envirotech-inc.com

Field Offices:

Southern New Mexico Area

Lynn Jarboe
Laboratory Technical Representative
Office: 505-421-LABS(5227)
Cell: 505-320-4759
ljarboe@envirotech-inc.com

Michelle Golzales
Client Representative
Office: 505-421-LABS(5227)
Cell: 505-947-8222
mgonzales@envirotech-inc.com

Envirotech Web Address: www.envirotech-inc.com

Table of Contents

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Sample Summary

Pima Environmental Services-Carlsbad	Project Name:	2005 A 05 (Government G)	**Reported:**
PO Box 247	Project Number:	22093-0001	
Plains TX, 79355-0247	Project Manager:	Gio Gomez	06/21/24 14:46

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
CSW1	E406177-01A	Soil	06/14/24	06/20/24	Glass Jar, 2 oz.
CSW2	E406177-02A	Soil	06/14/24	06/20/24	Glass Jar, 2 oz.
CSW3	E406177-03A	Soil	06/14/24	06/20/24	Glass Jar, 2 oz.
CSW4	E406177-04A	Soil	06/14/24	06/20/24	Glass Jar, 2 oz.
CSW5	E406177-05A	Soil	06/14/24	06/20/24	Glass Jar, 2 oz.
CSW6	E406177-06A	Soil	06/14/24	06/20/24	Glass Jar, 2 oz.
CSW7	E406177-07A	Soil	06/14/24	06/20/24	Glass Jar, 2 oz.
CSW8	E406177-08A	Soil	06/14/24	06/20/24	Glass Jar, 2 oz.
CSW9	E406177-09A	Soil	06/14/24	06/20/24	Glass Jar, 2 oz.
CSW10	E406177-10A	Soil	06/14/24	06/20/24	Glass Jar, 2 oz.
CSW11	E406177-11A	Soil	06/14/24	06/20/24	Glass Jar, 2 oz.
CSW12	E406177-12A	Soil	06/14/24	06/20/24	Glass Jar, 2 oz.
CSW13	E406177-13A	Soil	06/14/24	06/20/24	Glass Jar, 2 oz.
CSW14	E406177-14A	Soil	06/14/24	06/20/24	Glass Jar, 2 oz.
CSW15	E406177-15A	Soil	06/14/24	06/20/24	Glass Jar, 2 oz.
CSW16	E406177-16A	Soil	06/14/24	06/20/24	Glass Jar, 2 oz.
CSW17	E406177-17A	Soil	06/14/24	06/20/24	Glass Jar, 2 oz.
CSW18	E406177-18A	Soil	06/14/24	06/20/24	Glass Jar, 2 oz.
CSW19	E406177-19A	Soil	06/14/24	06/20/24	Glass Jar, 2 oz.
CSW20	E406177-20A	Soil	06/14/24	06/20/24	Glass Jar, 2 oz.
CSW21	E406177-21A	Soil	06/14/24	06/20/24	Glass Jar, 2 oz.
CSW22	E406177-22A	Soil	06/14/24	06/20/24	Glass Jar, 2 oz.
CSW23	E406177-23A	Soil	06/14/24	06/20/24	Glass Jar, 2 oz.
CSW24	E406177-24A	Soil	06/14/24	06/20/24	Glass Jar, 2 oz.
CSW25	E406177-25A	Soil	06/14/24	06/20/24	Glass Jar, 2 oz.
CSW26	E406177-26A	Soil	06/14/24	06/20/24	Glass Jar, 2 oz.

Sample Data

Pima Environmental Services-Carlsbad	Project Name:	2005 A 05 (Government G)	
PO Box 247	Project Number:	22093-0001	**Reported:**
Plains TX, 79355-0247	Project Manager:	Gio Gomez	6/21/2024 2:46:25PM

CSW1

E406177-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: IY			Batch: 2425076
Benzene	ND	0.0250	1	06/20/24	06/20/24	
Ethylbenzene	ND	0.0250	1	06/20/24	06/20/24	
Toluene	ND	0.0250	1	06/20/24	06/20/24	
o-Xylene	ND	0.0250	1	06/20/24	06/20/24	
p,m-Xylene	ND	0.0500	1	06/20/24	06/20/24	
Total Xylenes	ND	0.0250	1	06/20/24	06/20/24	
Surrogate: 4-Bromochlorobenzene-PID		*92.8 %*	*70-130*	*06/20/24*	*06/20/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2425076
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/20/24	06/20/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*94.5 %*	*70-130*	*06/20/24*	*06/20/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KM			Batch: 2425079
Diesel Range Organics (C10-C28)	ND	25.0	1	06/20/24	06/20/24	
Oil Range Organics (C28-C36)	ND	50.0	1	06/20/24	06/20/24	
Surrogate: n-Nonane		*93.9 %*	*50-200*	*06/20/24*	*06/20/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: JM			Batch: 2425083
Chloride	ND	20.0	1	06/20/24	06/20/24	

Sample Data

Pima Environmental Services-Carlsbad	Project Name:	2005 A 05 (Government G)	
PO Box 247	Project Number:	22093-0001	**Reported:**
Plains TX, 79355-0247	Project Manager:	Gio Gomez	6/21/2024 2:46:25PM

CSW2

E406177-02

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: IY			Batch: 2425076
Benzene	ND	0.0250	1	06/20/24	06/20/24	
Ethylbenzene	ND	0.0250	1	06/20/24	06/20/24	
Toluene	ND	0.0250	1	06/20/24	06/20/24	
o-Xylene	ND	0.0250	1	06/20/24	06/20/24	
p,m-Xylene	ND	0.0500	1	06/20/24	06/20/24	
Total Xylenes	ND	0.0250	1	06/20/24	06/20/24	
Surrogate: 4-Bromochlorobenzene-PID		*93.7 %*	*70-130*	*06/20/24*	*06/20/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2425076
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/20/24	06/20/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*94.0 %*	*70-130*	*06/20/24*	*06/20/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KM			Batch: 2425079
Diesel Range Organics (C10-C28)	ND	25.0	1	06/20/24	06/20/24	
Oil Range Organics (C28-C36)	ND	50.0	1	06/20/24	06/20/24	
Surrogate: n-Nonane		*98.6 %*	*50-200*	*06/20/24*	*06/20/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: JM			Batch: 2425083
Chloride	ND	20.0	1	06/20/24	06/20/24	

Sample Data

Pima Environmental Services-Carlsbad	Project Name:	2005 A 05 (Government G)	
PO Box 247	Project Number:	22093-0001	**Reported:**
Plains TX, 79355-0247	Project Manager:	Gio Gomez	6/21/2024 2:46:25PM

CSW3

E406177-03

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: IY			Batch: 2425076
Benzene	ND	0.0250	1	06/20/24	06/20/24	
Ethylbenzene	ND	0.0250	1	06/20/24	06/20/24	
Toluene	ND	0.0250	1	06/20/24	06/20/24	
o-Xylene	ND	0.0250	1	06/20/24	06/20/24	
p,m-Xylene	ND	0.0500	1	06/20/24	06/20/24	
Total Xylenes	ND	0.0250	1	06/20/24	06/20/24	
Surrogate: 4-Bromochlorobenzene-PID		*93.5 %*	*70-130*	*06/20/24*	*06/20/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2425076
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/20/24	06/20/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*108 %*	*70-130*	*06/20/24*	*06/20/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KM			Batch: 2425079
Diesel Range Organics (C10-C28)	ND	25.0	1	06/20/24	06/20/24	
Oil Range Organics (C28-C36)	ND	50.0	1	06/20/24	06/20/24	
Surrogate: n-Nonane		*96.8 %*	*50-200*	*06/20/24*	*06/20/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: JM			Batch: 2425083
Chloride	ND	20.0	1	06/20/24	06/20/24	

Sample Data

Pima Environmental Services-Carlsbad	Project Name:	2005 A 05 (Government G)	
PO Box 247	Project Number:	22093-0001	**Reported:**
Plains TX, 79355-0247	Project Manager:	Gio Gomez	6/21/2024 2:46:25PM

CSW4

E406177-04

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: IY			Batch: 2425076
Benzene	ND	0.0250	1	06/20/24	06/20/24	
Ethylbenzene	ND	0.0250	1	06/20/24	06/20/24	
Toluene	ND	0.0250	1	06/20/24	06/20/24	
o-Xylene	ND	0.0250	1	06/20/24	06/20/24	
p,m-Xylene	ND	0.0500	1	06/20/24	06/20/24	
Total Xylenes	ND	0.0250	1	06/20/24	06/20/24	
Surrogate: 4-Bromochlorobenzene-PID		*93.7 %*	*70-130*	*06/20/24*	*06/20/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2425076
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/20/24	06/20/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*107 %*	*70-130*	*06/20/24*	*06/20/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KM			Batch: 2425079
Diesel Range Organics (C10-C28)	ND	25.0	1	06/20/24	06/20/24	
Oil Range Organics (C28-C36)	ND	50.0	1	06/20/24	06/20/24	
Surrogate: n-Nonane		*94.0 %*	*50-200*	*06/20/24*	*06/20/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: JM			Batch: 2425083
Chloride	ND	20.0	1	06/20/24	06/20/24	

Sample Data

Pima Environmental Services-Carlsbad	Project Name:	2005 A 05 (Government G)	
PO Box 247	Project Number:	22093-0001	**Reported:**
Plains TX, 79355-0247	Project Manager:	Gio Gomez	6/21/2024 2:46:25PM

CSW5

E406177-05

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: IY			Batch: 2425076
Benzene	ND	0.0250	1	06/20/24	06/20/24	
Ethylbenzene	ND	0.0250	1	06/20/24	06/20/24	
Toluene	ND	0.0250	1	06/20/24	06/20/24	
o-Xylene	ND	0.0250	1	06/20/24	06/20/24	
p,m-Xylene	ND	0.0500	1	06/20/24	06/20/24	
Total Xylenes	ND	0.0250	1	06/20/24	06/20/24	
Surrogate: 4-Bromochlorobenzene-PID		*93.9 %*	*70-130*	*06/20/24*	*06/20/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2425076
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/20/24	06/20/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*94.1 %*	*70-130*	*06/20/24*	*06/20/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KM			Batch: 2425079
Diesel Range Organics (C10-C28)	ND	25.0	1	06/20/24	06/20/24	
Oil Range Organics (C28-C36)	ND	50.0	1	06/20/24	06/20/24	
Surrogate: n-Nonane		*98.9 %*	*50-200*	*06/20/24*	*06/20/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: JM			Batch: 2425083
Chloride	ND	20.0	1	06/20/24	06/20/24	

Sample Data

Pima Environmental Services-Carlsbad	Project Name:	2005 A 05 (Government G)	
PO Box 247	Project Number:	22093-0001	**Reported:**
Plains TX, 79355-0247	Project Manager:	Gio Gomez	6/21/2024 2:46:25PM

CSW6

E406177-06

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: IY			Batch: 2425076
Benzene	ND	0.0250	1	06/20/24	06/20/24	
Ethylbenzene	ND	0.0250	1	06/20/24	06/20/24	
Toluene	ND	0.0250	1	06/20/24	06/20/24	
o-Xylene	ND	0.0250	1	06/20/24	06/20/24	
p,m-Xylene	ND	0.0500	1	06/20/24	06/20/24	
Total Xylenes	ND	0.0250	1	06/20/24	06/20/24	
Surrogate: 4-Bromochlorobenzene-PID		*94.3 %*	*70-130*	*06/20/24*	*06/20/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2425076
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/20/24	06/20/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*94.1 %*	*70-130*	*06/20/24*	*06/20/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KM			Batch: 2425079
Diesel Range Organics (C10-C28)	ND	25.0	1	06/20/24	06/20/24	
Oil Range Organics (C28-C36)	ND	50.0	1	06/20/24	06/20/24	
Surrogate: n-Nonane		*103 %*	*50-200*	*06/20/24*	*06/20/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: JM			Batch: 2425083
Chloride	ND	20.0	1	06/20/24	06/20/24	

Sample Data

Pima Environmental Services-Carlsbad	Project Name:	2005 A 05 (Government G)	
PO Box 247	Project Number:	22093-0001	**Reported:**
Plains TX, 79355-0247	Project Manager:	Gio Gomez	6/21/2024 2:46:25PM

CSW7

E406177-07

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: IY			Batch: 2425076
Benzene	ND	0.0250	1	06/20/24	06/20/24	
Ethylbenzene	ND	0.0250	1	06/20/24	06/20/24	
Toluene	ND	0.0250	1	06/20/24	06/20/24	
o-Xylene	ND	0.0250	1	06/20/24	06/20/24	
p,m-Xylene	ND	0.0500	1	06/20/24	06/20/24	
Total Xylenes	ND	0.0250	1	06/20/24	06/20/24	
Surrogate: 4-Bromochlorobenzene-PID		*94.0 %*	*70-130*	*06/20/24*	*06/20/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2425076
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/20/24	06/20/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*93.6 %*	*70-130*	*06/20/24*	*06/20/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KM			Batch: 2425079
Diesel Range Organics (C10-C28)	ND	25.0	1	06/20/24	06/20/24	
Oil Range Organics (C28-C36)	ND	50.0	1	06/20/24	06/20/24	
Surrogate: n-Nonane		*101 %*	*50-200*	*06/20/24*	*06/20/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: JM			Batch: 2425083
Chloride	ND	20.0	1	06/20/24	06/20/24	

Sample Data

Pima Environmental Services-Carlsbad	Project Name:	2005 A 05 (Government G)	
PO Box 247	Project Number:	22093-0001	**Reported:**
Plains TX, 79355-0247	Project Manager:	Gio Gomez	6/21/2024 2:46:25PM

CSW8

E406177-08

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: IY			Batch: 2425076
Benzene	ND	0.0250	1	06/20/24	06/20/24	
Ethylbenzene	ND	0.0250	1	06/20/24	06/20/24	
Toluene	ND	0.0250	1	06/20/24	06/20/24	
o-Xylene	ND	0.0250	1	06/20/24	06/20/24	
p,m-Xylene	ND	0.0500	1	06/20/24	06/20/24	
Total Xylenes	ND	0.0250	1	06/20/24	06/20/24	
Surrogate: 4-Bromochlorobenzene-PID		*94.6 %*	*70-130*	*06/20/24*	*06/20/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2425076
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/20/24	06/20/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*94.2 %*	*70-130*	*06/20/24*	*06/20/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KM			Batch: 2425079
Diesel Range Organics (C10-C28)	ND	25.0	1	06/20/24	06/20/24	
Oil Range Organics (C28-C36)	ND	50.0	1	06/20/24	06/20/24	
Surrogate: n-Nonane		*103 %*	*50-200*	*06/20/24*	*06/20/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: JM			Batch: 2425083
Chloride	ND	20.0	1	06/20/24	06/20/24	

Sample Data

Pima Environmental Services-Carlsbad	Project Name:	2005 A 05 (Government G)	
PO Box 247	Project Number:	22093-0001	**Reported:**
Plains TX, 79355-0247	Project Manager:	Gio Gomez	6/21/2024 2:46:25PM

CSW9

E406177-09

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: IY			Batch: 2425076
Benzene	ND	0.0250	1	06/20/24	06/20/24	
Ethylbenzene	ND	0.0250	1	06/20/24	06/20/24	
Toluene	ND	0.0250	1	06/20/24	06/20/24	
o-Xylene	ND	0.0250	1	06/20/24	06/20/24	
p,m-Xylene	ND	0.0500	1	06/20/24	06/20/24	
Total Xylenes	ND	0.0250	1	06/20/24	06/20/24	
Surrogate: 4-Bromochlorobenzene-PID		*93.7 %*	*70-130*	*06/20/24*	*06/20/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2425076
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/20/24	06/20/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*93.6 %*	*70-130*	*06/20/24*	*06/20/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KM			Batch: 2425079
Diesel Range Organics (C10-C28)	ND	25.0	1	06/20/24	06/20/24	
Oil Range Organics (C28-C36)	ND	50.0	1	06/20/24	06/20/24	
Surrogate: n-Nonane		*104 %*	*50-200*	*06/20/24*	*06/20/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2425083
Chloride	ND	20.0	1	06/20/24	06/20/24	

Sample Data

Pima Environmental Services-Carlsbad	Project Name:	2005 A 05 (Government G)	
PO Box 247	Project Number:	22093-0001	**Reported:**
Plains TX, 79355-0247	Project Manager:	Gio Gomez	6/21/2024 2:46:25PM

CSW10

E406177-10

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: IY			Batch: 2425076
Benzene	ND	0.0250	1	06/20/24	06/20/24	
Ethylbenzene	ND	0.0250	1	06/20/24	06/20/24	
Toluene	ND	0.0250	1	06/20/24	06/20/24	
o-Xylene	ND	0.0250	1	06/20/24	06/20/24	
p,m-Xylene	ND	0.0500	1	06/20/24	06/20/24	
Total Xylenes	ND	0.0250	1	06/20/24	06/20/24	
Surrogate: 4-Bromochlorobenzene-PID		*93.2 %*	*70-130*	*06/20/24*	*06/20/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2425076
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/20/24	06/20/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*93.8 %*	*70-130*	*06/20/24*	*06/20/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KM			Batch: 2425079
Diesel Range Organics (C10-C28)	ND	25.0	1	06/20/24	06/20/24	
Oil Range Organics (C28-C36)	ND	50.0	1	06/20/24	06/20/24	
Surrogate: n-Nonane		*95.1 %*	*50-200*	*06/20/24*	*06/20/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2425083
Chloride	ND	20.0	1	06/20/24	06/20/24	

Sample Data

Pima Environmental Services-Carlsbad	Project Name:	2005 A 05 (Government G)	
PO Box 247	Project Number:	22093-0001	**Reported:**
Plains TX, 79355-0247	Project Manager:	Gio Gomez	6/21/2024 2:46:25PM

CSW11

E406177-11

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: IY			Batch: 2425076
Benzene	ND	0.0250	1	06/20/24	06/20/24	
Ethylbenzene	ND	0.0250	1	06/20/24	06/20/24	
Toluene	ND	0.0250	1	06/20/24	06/20/24	
o-Xylene	ND	0.0250	1	06/20/24	06/20/24	
p,m-Xylene	ND	0.0500	1	06/20/24	06/20/24	
Total Xylenes	ND	0.0250	1	06/20/24	06/20/24	
Surrogate: 4-Bromochlorobenzene-PID		*93.2 %*	*70-130*	*06/20/24*	*06/20/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2425076
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/20/24	06/20/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*93.7 %*	*70-130*	*06/20/24*	*06/20/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KM			Batch: 2425079
Diesel Range Organics (C10-C28)	ND	25.0	1	06/20/24	06/20/24	
Oil Range Organics (C28-C36)	ND	50.0	1	06/20/24	06/20/24	
Surrogate: n-Nonane		*99.6 %*	*50-200*	*06/20/24*	*06/20/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2425083
Chloride	ND	20.0	1	06/20/24	06/20/24	

Sample Data

Pima Environmental Services-Carlsbad	Project Name:	2005 A 05 (Government G)	
PO Box 247	Project Number:	22093-0001	**Reported:**
Plains TX, 79355-0247	Project Manager:	Gio Gomez	6/21/2024 2:46:25PM

CSW12

E406177-12

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: IY			Batch: 2425076
Benzene	ND	0.0250	1	06/20/24	06/20/24	
Ethylbenzene	ND	0.0250	1	06/20/24	06/20/24	
Toluene	ND	0.0250	1	06/20/24	06/20/24	
o-Xylene	ND	0.0250	1	06/20/24	06/20/24	
p,m-Xylene	ND	0.0500	1	06/20/24	06/20/24	
Total Xylenes	ND	0.0250	1	06/20/24	06/20/24	
Surrogate: 4-Bromochlorobenzene-PID		*93.5 %*	*70-130*	*06/20/24*	*06/20/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2425076
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/20/24	06/20/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*94.7 %*	*70-130*	*06/20/24*	*06/20/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KM			Batch: 2425079
Diesel Range Organics (C10-C28)	ND	25.0	1	06/20/24	06/20/24	
Oil Range Organics (C28-C36)	ND	50.0	1	06/20/24	06/20/24	
Surrogate: n-Nonane		*108 %*	*50-200*	*06/20/24*	*06/20/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2425083
Chloride	ND	20.0	1	06/20/24	06/20/24	

Sample Data

Pima Environmental Services-Carlsbad	Project Name:	2005 A 05 (Government G)	
PO Box 247	Project Number:	22093-0001	**Reported:**
Plains TX, 79355-0247	Project Manager:	Gio Gomez	6/21/2024 2:46:25PM

CSW13

E406177-13

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: IY			Batch: 2425076
Benzene	ND	0.0250	1	06/20/24	06/20/24	
Ethylbenzene	ND	0.0250	1	06/20/24	06/20/24	
Toluene	ND	0.0250	1	06/20/24	06/20/24	
o-Xylene	ND	0.0250	1	06/20/24	06/20/24	
p,m-Xylene	ND	0.0500	1	06/20/24	06/20/24	
Total Xylenes	ND	0.0250	1	06/20/24	06/20/24	
Surrogate: 4-Bromochlorobenzene-PID		*93.8 %*	*70-130*	*06/20/24*	*06/20/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2425076
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/20/24	06/20/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*107 %*	*70-130*	*06/20/24*	*06/20/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KM			Batch: 2425079
Diesel Range Organics (C10-C28)	ND	25.0	1	06/20/24	06/20/24	
Oil Range Organics (C28-C36)	ND	50.0	1	06/20/24	06/20/24	
Surrogate: n-Nonane		*106 %*	*50-200*	*06/20/24*	*06/20/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2425083
Chloride	ND	20.0	1	06/20/24	06/20/24	

Sample Data

Pima Environmental Services-Carlsbad	Project Name:	2005 A 05 (Government G)	
PO Box 247	Project Number:	22093-0001	**Reported:**
Plains TX, 79355-0247	Project Manager:	Gio Gomez	6/21/2024 2:46:25PM

CSW14

E406177-14

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: IY			Batch: 2425076
Benzene	ND	0.0250	1	06/20/24	06/20/24	
Ethylbenzene	ND	0.0250	1	06/20/24	06/20/24	
Toluene	ND	0.0250	1	06/20/24	06/20/24	
o-Xylene	ND	0.0250	1	06/20/24	06/20/24	
p,m-Xylene	ND	0.0500	1	06/20/24	06/20/24	
Total Xylenes	ND	0.0250	1	06/20/24	06/20/24	
Surrogate: 4-Bromochlorobenzene-PID		*93.8 %*	*70-130*	*06/20/24*	*06/20/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2425076
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/20/24	06/20/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*106 %*	*70-130*	*06/20/24*	*06/20/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KM			Batch: 2425079
Diesel Range Organics (C10-C28)	ND	25.0	1	06/20/24	06/20/24	
Oil Range Organics (C28-C36)	ND	50.0	1	06/20/24	06/20/24	
Surrogate: n-Nonane		*105 %*	*50-200*	*06/20/24*	*06/20/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2425083
Chloride	ND	20.0	1	06/20/24	06/20/24	

Sample Data

Pima Environmental Services-Carlsbad	Project Name:	2005 A 05 (Government G)	
PO Box 247	Project Number:	22093-0001	**Reported:**
Plains TX, 79355-0247	Project Manager:	Gio Gomez	6/21/2024 2:46:25PM

CSW15

E406177-15

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: IY			Batch: 2425076
Benzene	ND	0.0250	1	06/20/24	06/20/24	
Ethylbenzene	ND	0.0250	1	06/20/24	06/20/24	
Toluene	ND	0.0250	1	06/20/24	06/20/24	
o-Xylene	ND	0.0250	1	06/20/24	06/20/24	
p,m-Xylene	ND	0.0500	1	06/20/24	06/20/24	
Total Xylenes	ND	0.0250	1	06/20/24	06/20/24	
Surrogate: 4-Bromochlorobenzene-PID		*94.0 %*	*70-130*	*06/20/24*	*06/20/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2425076
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/20/24	06/20/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*108 %*	*70-130*	*06/20/24*	*06/20/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KM			Batch: 2425079
Diesel Range Organics (C10-C28)	ND	25.0	1	06/20/24	06/20/24	
Oil Range Organics (C28-C36)	ND	50.0	1	06/20/24	06/20/24	
Surrogate: n-Nonane		*109 %*	*50-200*	*06/20/24*	*06/20/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2425083
Chloride	ND	20.0	1	06/20/24	06/20/24	

Sample Data

Pima Environmental Services-Carlsbad	Project Name:	2005 A 05 (Government G)	
PO Box 247	Project Number:	22093-0001	**Reported:**
Plains TX, 79355-0247	Project Manager:	Gio Gomez	6/21/2024 2:46:25PM

CSW16

E406177-16

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: IY			Batch: 2425076
Benzene	ND	0.0250	1	06/20/24	06/20/24	
Ethylbenzene	ND	0.0250	1	06/20/24	06/20/24	
Toluene	ND	0.0250	1	06/20/24	06/20/24	
o-Xylene	ND	0.0250	1	06/20/24	06/20/24	
p,m-Xylene	ND	0.0500	1	06/20/24	06/20/24	
Total Xylenes	ND	0.0250	1	06/20/24	06/20/24	
Surrogate: 4-Bromochlorobenzene-PID		*94.1 %*	*70-130*	*06/20/24*	*06/20/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2425076
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/20/24	06/20/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*107 %*	*70-130*	*06/20/24*	*06/20/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KM			Batch: 2425079
Diesel Range Organics (C10-C28)	ND	25.0	1	06/20/24	06/20/24	
Oil Range Organics (C28-C36)	ND	50.0	1	06/20/24	06/20/24	
Surrogate: n-Nonane		*98.5 %*	*50-200*	*06/20/24*	*06/20/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2425083
Chloride	ND	20.0	1	06/20/24	06/20/24	

Sample Data

Pima Environmental Services-Carlsbad	Project Name:	2005 A 05 (Government G)	
PO Box 247	Project Number:	22093-0001	**Reported:**
Plains TX, 79355-0247	Project Manager:	Gio Gomez	6/21/2024 2:46:25PM

CSW17

E406177-17

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: IY			Batch: 2425076
Benzene	ND	0.0250	1	06/20/24	06/20/24	
Ethylbenzene	ND	0.0250	1	06/20/24	06/20/24	
Toluene	ND	0.0250	1	06/20/24	06/20/24	
o-Xylene	ND	0.0250	1	06/20/24	06/20/24	
p,m-Xylene	ND	0.0500	1	06/20/24	06/20/24	
Total Xylenes	ND	0.0250	1	06/20/24	06/20/24	
Surrogate: 4-Bromochlorobenzene-PID		*92.0 %*	*70-130*	*06/20/24*	*06/20/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2425076
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/20/24	06/20/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*108 %*	*70-130*	*06/20/24*	*06/20/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KM			Batch: 2425079
Diesel Range Organics (C10-C28)	ND	25.0	1	06/20/24	06/20/24	
Oil Range Organics (C28-C36)	ND	50.0	1	06/20/24	06/20/24	
Surrogate: n-Nonane		*104 %*	*50-200*	*06/20/24*	*06/20/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2425083
Chloride	ND	20.0	1	06/20/24	06/20/24	

Sample Data

Pima Environmental Services-Carlsbad	Project Name:	2005 A 05 (Government G)	
PO Box 247	Project Number:	22093-0001	**Reported:**
Plains TX, 79355-0247	Project Manager:	Gio Gomez	6/21/2024 2:46:25PM

CSW18

E406177-18

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: IY			Batch: 2425076
Benzene	ND	0.0250	1	06/20/24	06/20/24	
Ethylbenzene	ND	0.0250	1	06/20/24	06/20/24	
Toluene	ND	0.0250	1	06/20/24	06/20/24	
o-Xylene	ND	0.0250	1	06/20/24	06/20/24	
p,m-Xylene	ND	0.0500	1	06/20/24	06/20/24	
Total Xylenes	ND	0.0250	1	06/20/24	06/20/24	
Surrogate: 4-Bromochlorobenzene-PID		*93.1 %*	*70-130*	*06/20/24*	*06/20/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2425076
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/20/24	06/20/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*108 %*	*70-130*	*06/20/24*	*06/20/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KM			Batch: 2425079
Diesel Range Organics (C10-C28)	ND	25.0	1	06/20/24	06/20/24	
Oil Range Organics (C28-C36)	ND	50.0	1	06/20/24	06/20/24	
Surrogate: n-Nonane		*77.7 %*	*50-200*	*06/20/24*	*06/20/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2425083
Chloride	ND	20.0	1	06/20/24	06/20/24	

Sample Data

Pima Environmental Services-Carlsbad	Project Name:	2005 A 05 (Government G)	
PO Box 247	Project Number:	22093-0001	**Reported:**
Plains TX, 79355-0247	Project Manager:	Gio Gomez	6/21/2024 2:46:25PM

CSW19

E406177-19

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: IY			Batch: 2425076
Benzene	ND	0.0250	1	06/20/24	06/20/24	
Ethylbenzene	ND	0.0250	1	06/20/24	06/20/24	
Toluene	ND	0.0250	1	06/20/24	06/20/24	
o-Xylene	ND	0.0250	1	06/20/24	06/20/24	
p,m-Xylene	ND	0.0500	1	06/20/24	06/20/24	
Total Xylenes	ND	0.0250	1	06/20/24	06/20/24	
Surrogate: 4-Bromochlorobenzene-PID		*93.4 %*	*70-130*	*06/20/24*	*06/20/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2425076
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/20/24	06/20/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*109 %*	*70-130*	*06/20/24*	*06/20/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KM			Batch: 2425079
Diesel Range Organics (C10-C28)	ND	25.0	1	06/20/24	06/20/24	
Oil Range Organics (C28-C36)	ND	50.0	1	06/20/24	06/20/24	
Surrogate: n-Nonane		*74.9 %*	*50-200*	*06/20/24*	*06/20/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2425083
Chloride	ND	20.0	1	06/20/24	06/20/24	

Sample Data

Pima Environmental Services-Carlsbad	Project Name:	2005 A 05 (Government G)	
PO Box 247	Project Number:	22093-0001	**Reported:**
Plains TX, 79355-0247	Project Manager:	Gio Gomez	6/21/2024 2:46:25PM

CSW20

E406177-20

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: IY			Batch: 2425076
Benzene	ND	0.0250	1	06/20/24	06/20/24	
Ethylbenzene	ND	0.0250	1	06/20/24	06/20/24	
Toluene	ND	0.0250	1	06/20/24	06/20/24	
o-Xylene	ND	0.0250	1	06/20/24	06/20/24	
p,m-Xylene	ND	0.0500	1	06/20/24	06/20/24	
Total Xylenes	ND	0.0250	1	06/20/24	06/20/24	
Surrogate: 4-Bromochlorobenzene-PID		*93.5 %*	*70-130*	*06/20/24*	*06/20/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2425076
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/20/24	06/20/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*107 %*	*70-130*	*06/20/24*	*06/20/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KM			Batch: 2425079
Diesel Range Organics (C10-C28)	ND	25.0	1	06/20/24	06/20/24	
Oil Range Organics (C28-C36)	ND	50.0	1	06/20/24	06/20/24	
Surrogate: n-Nonane		*76.7 %*	*50-200*	*06/20/24*	*06/20/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2425083
Chloride	ND	20.0	1	06/20/24	06/20/24	

Sample Data

Pima Environmental Services-Carlsbad	Project Name:	2005 A 05 (Government G)	
PO Box 247	Project Number:	22093-0001	**Reported:**
Plains TX, 79355-0247	Project Manager:	Gio Gomez	6/21/2024 2:46:25PM

CSW21

E406177-21

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: IY			Batch: 2425047
Benzene	ND	0.0250	1	06/18/24	06/20/24	
Ethylbenzene	ND	0.0250	1	06/18/24	06/20/24	
Toluene	ND	0.0250	1	06/18/24	06/20/24	
o-Xylene	ND	0.0250	1	06/18/24	06/20/24	
p,m-Xylene	ND	0.0500	1	06/18/24	06/20/24	
Total Xylenes	ND	0.0250	1	06/18/24	06/20/24	
Surrogate: Bromofluorobenzene		*103 %*	*70-130*	*06/18/24*	*06/20/24*	
Surrogate: 1,2-Dichloroethane-d4		*98.8 %*	*70-130*	*06/18/24*	*06/20/24*	
Surrogate: Toluene-d8		*101 %*	*70-130*	*06/18/24*	*06/20/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2425047
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/18/24	06/20/24	
Surrogate: Bromofluorobenzene		*103 %*	*70-130*	*06/18/24*	*06/20/24*	
Surrogate: 1,2-Dichloroethane-d4		*98.8 %*	*70-130*	*06/18/24*	*06/20/24*	
Surrogate: Toluene-d8		*101 %*	*70-130*	*06/18/24*	*06/20/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KM			Batch: 2425080
Diesel Range Organics (C10-C28)	ND	25.0	1	06/20/24	06/20/24	
Oil Range Organics (C28-C36)	ND	50.0	1	06/20/24	06/20/24	
Surrogate: n-Nonane		*77.0 %*	*50-200*	*06/20/24*	*06/20/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2425077
Chloride	ND	20.0	1	06/20/24	06/20/24	

Sample Data

Pima Environmental Services-Carlsbad	Project Name:	2005 A 05 (Government G)	
PO Box 247	Project Number:	22093-0001	**Reported:**
Plains TX, 79355-0247	Project Manager:	Gio Gomez	6/21/2024 2:46:25PM

CSW22

E406177-22

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: IY			Batch: 2425047
Benzene	ND	0.0250	1	06/18/24	06/20/24	
Ethylbenzene	ND	0.0250	1	06/18/24	06/20/24	
Toluene	ND	0.0250	1	06/18/24	06/20/24	
o-Xylene	ND	0.0250	1	06/18/24	06/20/24	
p,m-Xylene	ND	0.0500	1	06/18/24	06/20/24	
Total Xylenes	ND	0.0250	1	06/18/24	06/20/24	
Surrogate: Bromofluorobenzene		*104 %*	*70-130*	*06/18/24*	*06/20/24*	
Surrogate: 1,2-Dichloroethane-d4		*94.9 %*	*70-130*	*06/18/24*	*06/20/24*	
Surrogate: Toluene-d8		*104 %*	*70-130*	*06/18/24*	*06/20/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2425047
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/18/24	06/20/24	
Surrogate: Bromofluorobenzene		*104 %*	*70-130*	*06/18/24*	*06/20/24*	
Surrogate: 1,2-Dichloroethane-d4		*94.9 %*	*70-130*	*06/18/24*	*06/20/24*	
Surrogate: Toluene-d8		*104 %*	*70-130*	*06/18/24*	*06/20/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KM			Batch: 2425080
Diesel Range Organics (C10-C28)	ND	25.0	1	06/20/24	06/20/24	
Oil Range Organics (C28-C36)	ND	50.0	1	06/20/24	06/20/24	
Surrogate: n-Nonane		*76.8 %*	*50-200*	*06/20/24*	*06/20/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2425077
Chloride	ND	20.0	1	06/20/24	06/20/24	

Sample Data

Pima Environmental Services-Carlsbad	Project Name:	2005 A 05 (Government G)	
PO Box 247	Project Number:	22093-0001	**Reported:**
Plains TX, 79355-0247	Project Manager:	Gio Gomez	6/21/2024 2:46:25PM

CSW23

E406177-23

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: IY			Batch: 2425047
Benzene	ND	0.0250	1	06/18/24	06/20/24	
Ethylbenzene	ND	0.0250	1	06/18/24	06/20/24	
Toluene	ND	0.0250	1	06/18/24	06/20/24	
o-Xylene	ND	0.0250	1	06/18/24	06/20/24	
p,m-Xylene	ND	0.0500	1	06/18/24	06/20/24	
Total Xylenes	ND	0.0250	1	06/18/24	06/20/24	
Surrogate: Bromofluorobenzene		*112 %*	*70-130*	*06/18/24*	*06/20/24*	
Surrogate: 1,2-Dichloroethane-d4		*87.7 %*	*70-130*	*06/18/24*	*06/20/24*	
Surrogate: Toluene-d8		*105 %*	*70-130*	*06/18/24*	*06/20/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2425047
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/18/24	06/20/24	
Surrogate: Bromofluorobenzene		*112 %*	*70-130*	*06/18/24*	*06/20/24*	
Surrogate: 1,2-Dichloroethane-d4		*87.7 %*	*70-130*	*06/18/24*	*06/20/24*	
Surrogate: Toluene-d8		*105 %*	*70-130*	*06/18/24*	*06/20/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KM			Batch: 2425080
Diesel Range Organics (C10-C28)	ND	25.0	1	06/20/24	06/20/24	
Oil Range Organics (C28-C36)	ND	50.0	1	06/20/24	06/20/24	
Surrogate: n-Nonane		*86.1 %*	*50-200*	*06/20/24*	*06/20/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2425077
Chloride	ND	20.0	1	06/20/24	06/20/24	

Sample Data

Pima Environmental Services-Carlsbad	Project Name:	2005 A 05 (Government G)	
PO Box 247	Project Number:	22093-0001	**Reported:**
Plains TX, 79355-0247	Project Manager:	Gio Gomez	6/21/2024 2:46:25PM

CSW24

E406177-24

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: IY			Batch: 2425047
Benzene	ND	0.0250	1	06/18/24	06/20/24	
Ethylbenzene	ND	0.0250	1	06/18/24	06/20/24	
Toluene	ND	0.0250	1	06/18/24	06/20/24	
o-Xylene	ND	0.0250	1	06/18/24	06/20/24	
p,m-Xylene	ND	0.0500	1	06/18/24	06/20/24	
Total Xylenes	ND	0.0250	1	06/18/24	06/20/24	
Surrogate: Bromofluorobenzene		*111 %*	*70-130*	*06/18/24*	*06/20/24*	
Surrogate: 1,2-Dichloroethane-d4		*90.4 %*	*70-130*	*06/18/24*	*06/20/24*	
Surrogate: Toluene-d8		*105 %*	*70-130*	*06/18/24*	*06/20/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2425047
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/18/24	06/20/24	
Surrogate: Bromofluorobenzene		*111 %*	*70-130*	*06/18/24*	*06/20/24*	
Surrogate: 1,2-Dichloroethane-d4		*90.4 %*	*70-130*	*06/18/24*	*06/20/24*	
Surrogate: Toluene-d8		*105 %*	*70-130*	*06/18/24*	*06/20/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KM			Batch: 2425080
Diesel Range Organics (C10-C28)	ND	25.0	1	06/20/24	06/20/24	
Oil Range Organics (C28-C36)	ND	50.0	1	06/20/24	06/20/24	
Surrogate: n-Nonane		*76.7 %*	*50-200*	*06/20/24*	*06/20/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2425077
Chloride	ND	20.0	1	06/20/24	06/20/24	

Sample Data

Pima Environmental Services-Carlsbad	Project Name:	2005 A 05 (Government G)	
PO Box 247	Project Number:	22093-0001	**Reported:**
Plains TX, 79355-0247	Project Manager:	Gio Gomez	6/21/2024 2:46:25PM

CSW25

E406177-25

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: IY			Batch: 2425082
Benzene	ND	0.0250	1	06/20/24	06/20/24	
Ethylbenzene	ND	0.0250	1	06/20/24	06/20/24	
Toluene	ND	0.0250	1	06/20/24	06/20/24	
o-Xylene	ND	0.0250	1	06/20/24	06/20/24	
p,m-Xylene	ND	0.0500	1	06/20/24	06/20/24	
Total Xylenes	ND	0.0250	1	06/20/24	06/20/24	
Surrogate: 4-Bromochlorobenzene-PID		*95.7 %*	*70-130*	*06/20/24*	*06/20/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2425082
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/20/24	06/20/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*93.9 %*	*70-130*	*06/20/24*	*06/20/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KM			Batch: 2425080
Diesel Range Organics (C10-C28)	ND	25.0	1	06/20/24	06/20/24	
Oil Range Organics (C28-C36)	ND	50.0	1	06/20/24	06/20/24	
Surrogate: n-Nonane		*82.4 %*	*50-200*	*06/20/24*	*06/20/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2425077
Chloride	ND	20.0	1	06/20/24	06/20/24	

Sample Data

Pima Environmental Services-Carlsbad	Project Name:	2005 A 05 (Government G)	
PO Box 247	Project Number:	22093-0001	**Reported:**
Plains TX, 79355-0247	Project Manager:	Gio Gomez	6/21/2024 2:46:25PM

CSW26

E406177-26

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: IY			Batch: 2425082
Benzene	ND	0.0250	1	06/20/24	06/20/24	
Ethylbenzene	ND	0.0250	1	06/20/24	06/20/24	
Toluene	ND	0.0250	1	06/20/24	06/20/24	
o-Xylene	ND	0.0250	1	06/20/24	06/20/24	
p,m-Xylene	ND	0.0500	1	06/20/24	06/20/24	
Total Xylenes	ND	0.0250	1	06/20/24	06/20/24	
Surrogate: 4-Bromochlorobenzene-PID		*97.0 %*	*70-130*	*06/20/24*	*06/20/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2425082
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/20/24	06/20/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*93.6 %*	*70-130*	*06/20/24*	*06/20/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KM			Batch: 2425080
Diesel Range Organics (C10-C28)	ND	25.0	1	06/20/24	06/20/24	
Oil Range Organics (C28-C36)	ND	50.0	1	06/20/24	06/20/24	
Surrogate: n-Nonane		*81.0 %*	*50-200*	*06/20/24*	*06/20/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2425077
Chloride	ND	20.0	1	06/20/24	06/20/24	

QC Summary Data

Pima Environmental Services-Carlsbad	Project Name:	2005 A 05 (Government G)	**Reported:**
PO Box 247	Project Number:	22093-0001	
Plains TX, 79355-0247	Project Manager:	Gio Gomez	6/21/2024 2:46:25PM

Volatile Organic Compounds by EPA 8260B

Analyst: IY

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2425047-BLK1)									Prepared: 06/19/24 Analyzed: 06/20/24
Benzene	ND	0.0250							
Ethylbenzene	ND	0.0250							
Toluene	ND	0.0250							
o-Xylene	ND	0.0250							
p,m-Xylene	ND	0.0500							
Total Xylenes	ND	0.0250							
Surrogate: Bromofluorobenzene	*0.562*		*0.500*		*112*	*70-130*			
Surrogate: 1,2-Dichloroethane-d4	*0.444*		*0.500*		*88.7*	*70-130*			
Surrogate: Toluene-d8	*0.528*		*0.500*		*106*	*70-130*			
LCS (2425047-BS1)									Prepared: 06/19/24 Analyzed: 06/20/24
Benzene	2.04	0.0250	2.50		81.7	70-130			
Ethylbenzene	2.20	0.0250	2.50		88.0	70-130			
Toluene	2.18	0.0250	2.50		87.0	70-130			
o-Xylene	2.29	0.0250	2.50		91.7	70-130			
p,m-Xylene	4.56	0.0500	5.00		91.2	70-130			
Total Xylenes	6.85	0.0250	7.50		91.4	70-130			
Surrogate: Bromofluorobenzene	*0.567*		*0.500*		*113*	*70-130*			
Surrogate: 1,2-Dichloroethane-d4	*0.495*		*0.500*		*98.9*	*70-130*			
Surrogate: Toluene-d8	*0.520*		*0.500*		*104*	*70-130*			
Matrix Spike (2425047-MS1)				**Source: E406163-07**					Prepared: 06/19/24 Analyzed: 06/20/24
Benzene	2.24	0.0250	2.50	ND	89.7	48-131			
Ethylbenzene	2.40	0.0250	2.50	ND	95.9	45-135			
Toluene	2.37	0.0250	2.50	ND	94.8	48-130			
o-Xylene	2.55	0.0250	2.50	ND	102	43-135			
p,m-Xylene	5.08	0.0500	5.00	ND	102	43-135			
Total Xylenes	7.63	0.0250	7.50	ND	102	43-135			
Surrogate: Bromofluorobenzene	*0.573*		*0.500*		*115*	*70-130*			
Surrogate: 1,2-Dichloroethane-d4	*0.494*		*0.500*		*98.8*	*70-130*			
Surrogate: Toluene-d8	*0.518*		*0.500*		*104*	*70-130*			
Matrix Spike Dup (2425047-MSD1)				**Source: E406163-07**					Prepared: 06/19/24 Analyzed: 06/20/24
Benzene	2.30	0.0250	2.50	ND	91.9	48-131	2.42	23	
Ethylbenzene	2.45	0.0250	2.50	ND	98.0	45-135	2.25	27	
Toluene	2.41	0.0250	2.50	ND	96.5	48-130	1.80	24	
o-Xylene	2.58	0.0250	2.50	ND	103	43-135	1.40	27	
p,m-Xylene	5.17	0.0500	5.00	ND	103	43-135	1.62	27	
Total Xylenes	7.75	0.0250	7.50	ND	103	43-135	1.55	27	
Surrogate: Bromofluorobenzene	*0.575*		*0.500*		*115*	*70-130*			
Surrogate: 1,2-Dichloroethane-d4	*0.499*		*0.500*		*99.7*	*70-130*			
Surrogate: Toluene-d8	*0.521*		*0.500*		*104*	*70-130*			

QC Summary Data

Pima Environmental Services-Carlsbad	Project Name:	2005 A 05 (Government G)	**Reported:**
PO Box 247	Project Number:	22093-0001	
Plains TX, 79355-0247	Project Manager:	Gio Gomez	6/21/2024 2:46:25PM

Volatile Organics by EPA 8021B

Analyst: IY

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2425076-BLK1)									Prepared: 06/20/24 Analyzed: 06/20/24
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	*7.76*		*8.00*		*97.0*	*70-130*			
LCS (2425076-BS1)									Prepared: 06/20/24 Analyzed: 06/20/24
Benzene	4.61	0.0250	5.00		92.2	70-130			
Ethylbenzene	4.67	0.0250	5.00		93.4	70-130			
Toluene	4.72	0.0250	5.00		94.3	70-130			
o-Xylene	4.69	0.0250	5.00		93.7	70-130			
p,m-Xylene	9.49	0.0500	10.0		94.9	70-130			
Total Xylenes	14.2	0.0250	15.0		94.5	70-130			
Surrogate: 4-Bromochlorobenzene-PID	*7.76*		*8.00*		*97.0*	*70-130*			
Matrix Spike (2425076-MS1)				**Source: E406177-10**					Prepared: 06/20/24 Analyzed: 06/20/24
Benzene	4.61	0.0250	5.00	ND	92.1	54-133			
Ethylbenzene	4.71	0.0250	5.00	ND	94.2	61-133			
Toluene	4.73	0.0250	5.00	ND	94.6	61-130			
o-Xylene	4.73	0.0250	5.00	ND	94.5	63-131			
p,m-Xylene	9.58	0.0500	10.0	ND	95.8	63-131			
Total Xylenes	14.3	0.0250	15.0	ND	95.4	63-131			
Surrogate: 4-Bromochlorobenzene-PID	*7.59*		*8.00*		*94.8*	*70-130*			
Matrix Spike Dup (2425076-MSD1)				**Source: E406177-10**					Prepared: 06/20/24 Analyzed: 06/20/24
Benzene	4.60	0.0250	5.00	ND	92.1	54-133	0.0858	20	
Ethylbenzene	4.70	0.0250	5.00	ND	94.0	61-133	0.249	20	
Toluene	4.73	0.0250	5.00	ND	94.7	61-130	0.0116	20	
o-Xylene	4.70	0.0250	5.00	ND	94.1	63-131	0.474	20	
p,m-Xylene	9.56	0.0500	10.0	ND	95.6	63-131	0.194	20	
Total Xylenes	14.3	0.0250	15.0	ND	95.1	63-131	0.287	20	
Surrogate: 4-Bromochlorobenzene-PID	*7.51*		*8.00*		*93.9*	*70-130*			

QC Summary Data

Pima Environmental Services-Carlsbad	Project Name:	2005 A 05 (Government G)	**Reported:**
PO Box 247	Project Number:	22093-0001	
Plains TX, 79355-0247	Project Manager:	Gio Gomez	6/21/2024 2:46:25PM

Volatile Organics by EPA 8021B

Analyst: IY

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2425082-BLK1)									Prepared: 06/20/24 Analyzed: 06/20/24
Benzene	ND	0.0250							
Ethylbenzene	ND	0.0250							
Toluene	ND	0.0250							
o-Xylene	ND	0.0250							
p,m-Xylene	ND	0.0500							
Total Xylenes	ND	0.0250							
Surrogate: 4-Bromochlorobenzene-PID	*7.51*		*8.00*		*93.9*	*70-130*			
LCS (2425082-BS1)									Prepared: 06/20/24 Analyzed: 06/20/24
Benzene	4.39	0.0250	5.00		87.9	70-130			
Ethylbenzene	4.49	0.0250	5.00		89.7	70-130			
Toluene	4.52	0.0250	5.00		90.3	70-130			
o-Xylene	4.49	0.0250	5.00		89.9	70-130			
p,m-Xylene	9.12	0.0500	10.0		91.2	70-130			
Total Xylenes	13.6	0.0250	15.0		90.7	70-130			
Surrogate: 4-Bromochlorobenzene-PID	*7.51*		*8.00*		*93.8*	*70-130*			
Matrix Spike (2425082-MS1)				**Source: E406181-02**					Prepared: 06/20/24 Analyzed: 06/20/24
Benzene	4.57	0.0250	5.00	ND	91.3	54-133			
Ethylbenzene	4.66	0.0250	5.00	ND	93.3	61-133			
Toluene	4.69	0.0250	5.00	ND	93.9	61-130			
o-Xylene	4.68	0.0250	5.00	ND	93.6	63-131			
p,m-Xylene	9.45	0.0500	10.0	ND	94.5	63-131			
Total Xylenes	14.1	0.0250	15.0	ND	94.2	63-131			
Surrogate: 4-Bromochlorobenzene-PID	*7.45*		*8.00*		*93.2*	*70-130*			
Matrix Spike Dup (2425082-MSD1)				**Source: E406181-02**					Prepared: 06/20/24 Analyzed: 06/20/24
Benzene	4.58	0.0250	5.00	ND	91.7	54-133	0.400	20	
Ethylbenzene	4.70	0.0250	5.00	ND	94.0	61-133	0.820	20	
Toluene	4.72	0.0250	5.00	ND	94.4	61-130	0.584	20	
o-Xylene	4.70	0.0250	5.00	ND	94.1	63-131	0.501	20	
p,m-Xylene	9.54	0.0500	10.0	ND	95.4	63-131	0.940	20	
Total Xylenes	14.2	0.0250	15.0	ND	95.0	63-131	0.795	20	
Surrogate: 4-Bromochlorobenzene-PID	*7.47*		*8.00*		*93.4*	*70-130*			

QC Summary Data

Pima Environmental Services-Carlsbad	Project Name:	2005 A 05 (Government G)	**Reported:**
PO Box 247	Project Number:	22093-0001	
Plains TX, 79355-0247	Project Manager:	Gio Gomez	6/21/2024 2:46:25PM

Nonhalogenated Organics by EPA 8015D - GRO

Analyst: IY

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2425047-BLK1)									Prepared: 06/19/24 Analyzed: 06/20/24
Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: Bromofluorobenzene	*0.562*		*0.500*		*112*	*70-130*			
Surrogate: 1,2-Dichloroethane-d4	*0.444*		*0.500*		*88.7*	*70-130*			
Surrogate: Toluene-d8	*0.528*		*0.500*		*106*	*70-130*			
LCS (2425047-BS2)									Prepared: 06/19/24 Analyzed: 06/20/24
Gasoline Range Organics (C6-C10)	56.4	20.0	50.0		113	70-130			
Surrogate: Bromofluorobenzene	*0.571*		*0.500*		*114*	*70-130*			
Surrogate: 1,2-Dichloroethane-d4	*0.461*		*0.500*		*92.1*	*70-130*			
Surrogate: Toluene-d8	*0.522*		*0.500*		*104*	*70-130*			
Matrix Spike (2425047-MS2)				**Source: E406163-07**					Prepared: 06/19/24 Analyzed: 06/20/24
Gasoline Range Organics (C6-C10)	57.6	20.0	50.0	ND	115	70-130			
Surrogate: Bromofluorobenzene	*0.579*		*0.500*		*116*	*70-130*			
Surrogate: 1,2-Dichloroethane-d4	*0.476*		*0.500*		*95.2*	*70-130*			
Surrogate: Toluene-d8	*0.528*		*0.500*		*106*	*70-130*			
Matrix Spike Dup (2425047-MSD2)				**Source: E406163-07**					Prepared: 06/19/24 Analyzed: 06/20/24
Gasoline Range Organics (C6-C10)	56.1	20.0	50.0	ND	112	70-130	2.65	20	
Surrogate: Bromofluorobenzene	*0.570*		*0.500*		*114*	*70-130*			
Surrogate: 1,2-Dichloroethane-d4	*0.460*		*0.500*		*91.9*	*70-130*			
Surrogate: Toluene-d8	*0.529*		*0.500*		*106*	*70-130*			

QC Summary Data

Pima Environmental Services-Carlsbad	Project Name:	2005 A 05 (Government G)	**Reported:**
PO Box 247	Project Number:	22093-0001	
Plains TX, 79355-0247	Project Manager:	Gio Gomez	6/21/2024 2:46:25PM

Nonhalogenated Organics by EPA 8015D - GRO

Analyst: IY

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2425076-BLK1)									Prepared: 06/20/24 Analyzed: 06/20/24
Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: 1-Chloro-4-fluorobenzene-FID	*7.43*		*8.00*		*92.9*	*70-130*			
LCS (2425076-BS2)									Prepared: 06/20/24 Analyzed: 06/20/24
Gasoline Range Organics (C6-C10)	48.7	20.0	50.0		97.4	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	*7.48*		*8.00*		*93.4*	*70-130*			
Matrix Spike (2425076-MS2)				**Source: E406177-10**					Prepared: 06/20/24 Analyzed: 06/20/24
Gasoline Range Organics (C6-C10)	49.2	20.0	50.0	ND	98.5	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	*7.57*		*8.00*		*94.7*	*70-130*			
Matrix Spike Dup (2425076-MSD2)				**Source: E406177-10**					Prepared: 06/20/24 Analyzed: 06/20/24
Gasoline Range Organics (C6-C10)	48.2	20.0	50.0	ND	96.5	70-130	2.06	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	*7.62*		*8.00*		*95.3*	*70-130*			

QC Summary Data

Pima Environmental Services-Carlsbad	Project Name:	2005 A 05 (Government G)	**Reported:**
PO Box 247	Project Number:	22093-0001	
Plains TX, 79355-0247	Project Manager:	Gio Gomez	6/21/2024 2:46:25PM

Nonhalogenated Organics by EPA 8015D - GRO

Analyst: IY

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2425082-BLK1)									Prepared: 06/20/24 Analyzed: 06/20/24
Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: 1-Chloro-4-fluorobenzene-FID	*7.52*		*8.00*		*94.0*	*70-130*			
LCS (2425082-BS2)									Prepared: 06/20/24 Analyzed: 06/20/24
Gasoline Range Organics (C6-C10)	49.1	20.0	50.0		98.3	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	*7.57*		*8.00*		*94.6*	*70-130*			
Matrix Spike (2425082-MS2)				**Source: E406181-02**					Prepared: 06/20/24 Analyzed: 06/20/24
Gasoline Range Organics (C6-C10)	48.4	20.0	50.0	ND	96.8	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	*7.59*		*8.00*		*94.9*	*70-130*			
Matrix Spike Dup (2425082-MSD2)				**Source: E406181-02**					Prepared: 06/20/24 Analyzed: 06/20/24
Gasoline Range Organics (C6-C10)	47.4	20.0	50.0	ND	94.8	70-130	2.10	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	*7.60*		*8.00*		*95.0*	*70-130*			

QC Summary Data

Pima Environmental Services-Carlsbad	Project Name:	2005 A 05 (Government G)	**Reported:**
PO Box 247	Project Number:	22093-0001	
Plains TX, 79355-0247	Project Manager:	Gio Gomez	6/21/2024 2:46:25PM

Nonhalogenated Organics by EPA 8015D - DRO/ORO

Analyst: KM

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2425079-BLK1)									Prepared: 06/20/24 Analyzed: 06/20/24
Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	*47.2*		*50.0*		*94.4*	*50-200*			
LCS (2425079-BS1)									Prepared: 06/20/24 Analyzed: 06/20/24
Diesel Range Organics (C10-C28)	290	25.0	250		116	38-132			
Surrogate: n-Nonane	*53.8*		*50.0*		*108*	*50-200*			
Matrix Spike (2425079-MS1)				**Source: E406177-07**					Prepared: 06/20/24 Analyzed: 06/20/24
Diesel Range Organics (C10-C28)	287	25.0	250	ND	115	38-132			
Surrogate: n-Nonane	*51.2*		*50.0*		*102*	*50-200*			
Matrix Spike Dup (2425079-MSD1)				**Source: E406177-07**					Prepared: 06/20/24 Analyzed: 06/20/24
Diesel Range Organics (C10-C28)	287	25.0	250	ND	115	38-132	0.0328	20	
Surrogate: n-Nonane	*50.3*		*50.0*		*101*	*50-200*			

QC Summary Data

Pima Environmental Services-Carlsbad	Project Name:	2005 A 05 (Government G)	**Reported:**
PO Box 247	Project Number:	22093-0001	
Plains TX, 79355-0247	Project Manager:	Gio Gomez	6/21/2024 2:46:25PM

Nonhalogenated Organics by EPA 8015D - DRO/ORO

Analyst: KM

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2425080-BLK1)									Prepared: 06/20/24 Analyzed: 06/20/24
Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	*40.2*		*50.0*		*80.3*	*50-200*			
LCS (2425080-BS1)									Prepared: 06/20/24 Analyzed: 06/20/24
Diesel Range Organics (C10-C28)	242	25.0	250		96.7	38-132			
Surrogate: n-Nonane	*42.5*		*50.0*		*84.9*	*50-200*			
Matrix Spike (2425080-MS1)				**Source: E406177-23**					Prepared: 06/20/24 Analyzed: 06/20/24
Diesel Range Organics (C10-C28)	241	25.0	250	ND	96.3	38-132			
Surrogate: n-Nonane	*43.2*		*50.0*		*86.4*	*50-200*			
Matrix Spike Dup (2425080-MSD1)				**Source: E406177-23**					Prepared: 06/20/24 Analyzed: 06/20/24
Diesel Range Organics (C10-C28)	244	25.0	250	ND	97.7	38-132	1.41	20	
Surrogate: n-Nonane	*43.2*		*50.0*		*86.3*	*50-200*			

QC Summary Data

Pima Environmental Services-Carlsbad	Project Name:	2005 A 05 (Government G)	**Reported:**
PO Box 247	Project Number:	22093-0001	
Plains TX, 79355-0247	Project Manager:	Gio Gomez	6/21/2024 2:46:25PM

Anions by EPA 300.0/9056A

Analyst: DT

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2425077-BLK1)									Prepared: 06/20/24 Analyzed: 06/20/24
Chloride	ND	20.0							
LCS (2425077-BS1)									Prepared: 06/20/24 Analyzed: 06/20/24
Chloride	254	20.0	250		102	90-110			
Matrix Spike (2425077-MS1)				**Source: E406177-22**					Prepared: 06/20/24 Analyzed: 06/20/24
Chloride	260	20.0	250	ND	104	80-120			
Matrix Spike Dup (2425077-MSD1)				**Source: E406177-22**					Prepared: 06/20/24 Analyzed: 06/20/24
Chloride	261	20.0	250	ND	104	80-120	0.0668	20	

QC Summary Data

Pima Environmental Services-Carlsbad	Project Name:	2005 A 05 (Government G)	**Reported:**
PO Box 247	Project Number:	22093-0001	
Plains TX, 79355-0247	Project Manager:	Gio Gomez	6/21/2024 2:46:25PM

Anions by EPA 300.0/9056A

Analyst: JM

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2425083-BLK1)									Prepared: 06/20/24 Analyzed: 06/20/24
Chloride	ND	20.0							
LCS (2425083-BS1)									Prepared: 06/20/24 Analyzed: 06/20/24
Chloride	248	20.0	250		99.3	90-110			
Matrix Spike (2425083-MS1)				**Source: E406177-07**					Prepared: 06/20/24 Analyzed: 06/20/24
Chloride	254	20.0	250	ND	102	80-120			
Matrix Spike Dup (2425083-MSD1)				**Source: E406177-07**					Prepared: 06/20/24 Analyzed: 06/20/24
Chloride	255	20.0	250	ND	102	80-120	0.414	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:	2005 A 05 (Government G)	
PO Box 247	Project Number:	22093-0001	**Reported:**
Plains TX, 79355-0247	Project Manager:	Gio Gomez	06/21/24 14:46

ND	Analyte NOT DETECTED at or above the reporting limit
NR	Not Reported
RPD	Relative Percent Difference
DNI	Did Not Ignite
DNR	Did not react with the addition of acid or base.

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 3

Client: Pima Environmental Services	Bill To	Lab Use Only
Project: 2005 AOS (Government GI)	Attention: Armstrong	Lab WO# E406177-01 (2) Job Number 22093-0001
Project Manager: Gio Gomez	Address:	
Address: 5614 N. Lovington Hwy.	City, State, Zip	
City, State, Zip Hobbs, NM, 88240	Phone:	
Phone: 806-782-1151	Email:	
Email: gio@pimaoil.com	Pima Project # 19-17	
Report due by:		

TAT				EPA Program	
1D	2D	3D	Standard	CWA	SDWA
X					
					RCRA

State: NM X | CO | UT | AZ | TX

Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Lab Number	DRO/ORO by 8015	GRO/DRO by 8015	BTEX by 8021	VOC by 8260	Metals 6010	Chloride 300.0	BGDOC NM	BGDOC TX	Remarks
8:16	6/14	S	1	CSW1	1							X		
8:21	"	"	"	CSW2	2							"		
8:33	"	"	"	CSW3	3							"		
8:41	"	"	"	CSW4	4							"		
8:56	"	"	"	CSW5	5							"		
9:10	"	"	"	CSW6	6							"		
9:17	"	"	"	CSW7	7							"		
9:20	"	"	"	CSW8	8							"		
9:31	"	"	"	CSW9	9							"		
9:35	"	"	"	CSW10	10							"		

Additional Instructions: Bill to Armstrong

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:

Samples requiring thermal preservation must be received on ice the day they are sampled or received packed in ice at an avg temp above 0 but less than 6 °C on subsequent days.

Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time
Carrie Adame	6.18.24	1340		6.18.24	1340
	6.18.24	1500		6.19.24	1645
	6.19.24	2245		6-20-24	0500

Lab Use Only: Received on ice: (Y) / N; T1 ____ T2 ____ T3 ____; AVG Temp °C 4

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.

*Samples were Rcvd/Rel. by Courier Carrie Anne on 6/19/24, incorrect date was written on COC -AT

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Project Information | Chain of Custody | Page 2 of 3

Client: Pima Environmental Services	Bill To Attention: Armstrong	Lab Use Only: Lab WO# E406177 / Job Number 22093-0001
Project: 2005 A OS (Government G)	Address:	TAT: 1D X / 2D / 3D / Standard
Project Manager: Gio Gomez	City, State, Zip	EPA Program: CWA / SDWA / RCRA
Address: 5614 N. Lovington Hwy.	Phone:	State: NM X / CO / UT / AZ / TX
City, State, Zip Hobbs, NM. 88240	Email:	
Phone: 806-782-1151	Pima Project # 19-17	
Email: gio@pimaoil.com		
Report due by:		

Analysis and Method: DRO/ORO by 8015; GRO/DRO by 8015; BTEX by 8021; VOC by 8260; Metals 6010; Chloride 300.0; BGDOC NM; BGDOC TX

Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Lab Number	BGDOC NM	Remarks
9:41	6/14	S	1	CSW11	11	X	
9:53	"	"	"	CSW12	12	"	
10:11	"	"	"	CSW13	13	"	
10:20	"	"	"	CSW14	14	"	
10:25	"	"	"	CSW15	15	"	
10:31	"	"	"	CSW16	16	"	
10:37	"	"	"	CSW17	17	"	
10:39	"	"	"	CSW18	18	"	
10:41	"	"	"	CSW19	19	"	
10:50	"	"	"	CSW20	20	"	

Additional Instructions: Bill to Armstrong

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:

Samples requiring thermal preservation must be received on ice the day they are sampled or received packed in ice at an avg temp above 0 but less than 6 °C on subsequent days.

Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time
Karine Abame	6.18.24	1340	[signature]	6.18.24	1340
[signature]	6.18.24	1500	[signature]	6.19.24	1645
[signature]	6.19.24	2245	[signature]	6-20-24	0500

Lab Use Only: Received on ice: Y / N; T1 ____ T2 ____ T3 ____; AVG Temp °C 4

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.

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Client: Pima Environmental Services	Bill To	Lab Use Only		TAT	EPA Program
Project: 2005 A OS (Government G)	Attention: Armstrong	Lab WO#	Job Number	1D 2D 3D Standard	CWA SDWA
Project Manager: Gio Gomez	Address:	E406177	22093-0001	1D: X	
Address: 5614 N. Lovington Hwy.	City, State, Zip	Analysis and Method			RCRA
City, State, Zip Hobbs, NM, 88240	Phone:				State
Phone: 806-782-1151	Email:				NM: X CO UT AZ TX
Email: gio@pimaoil.com	Pima Project # 19-17				
Report due by:					

Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Lab Number	DRO/ORO by 8015	GRO/DRO by 8015	BTEX by 8021	VOC by 8260	Metals 6010	Chloride 300.0			BGDOC NM	BGDOC TX			Remarks
10:59	6/14	S	1	CSW 21	21									X				
11:09	6/14	S	1	CSW 22	22									X				
11:16	6/14	S	1	CSW23	23									X				
11:20	6/14	S	1	CSW24	24									X				

Additional Instructions: Bill to Armstrong

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:

Samples requiring thermal preservation must be received on ice the day they are sampled or received packed in ice at an avg temp above 0 but less than 6 °C on subsequent days.

Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time
Karime Adame	6.18.24	1340	[signature]	6.18.24	1340
[signature]	6.18.24	1500	Andrew McBBo	6.19.24	1645
Andrew McBBo	6.19.24	2245	[signature] R Hell	6-20-24	0500

Lab Use Only

Received on ice: (Y) / N

T1 ______ T2 ______ T3 ______

AVG Temp °C 4

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.

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Project Information | Chain of Custody | Page 1 of 3

Client: Pima Environmental Services	Bill To
Project: 2005 AOS (Government G)	Attention: Armstrong
Project Manager: Gio Gomez	Address:
Address: 5614 N. Lovington Hwy.	City, State, Zip
City, State, Zip Hobbs, NM, 88240	Phone:
Phone: 806-782-1151	Email:
Email: gio@pimaoil.com	Pima Project # 19-17
Report due by:	

Lab Use Only: Lab WO# E406177 | Job Number 22093-0001

TAT: 1D X | 2D | 3D | Standard

EPA Program: CWA | SDWA | RCRA

State: NM X | CO | UT | AZ | TX

Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Lab Number	DRO/ORO by 8015	GRO/DRO by 8015	BTEX by 8021	VOC by 8260	Metals 6010	Chloride 300.0	BGDOC NM	BGDOC TX	Remarks
8:16	6/14	S	1	CSW1	1							X		
8:21				CSW2	2									
8:33				CSW3	3									
8:41				CSW4	4									
8:56				CSW5	5									
9:10				CSW6	6									
9:17				CSW7	7									
9:20				CSW8	8									
9:31				CSW9	9									
9:35				CSW10	10									

Additional Instructions: Bill to Armstrong

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:

Samples requiring thermal preservation must be received on ice the day they are sampled or received packed in ice at an avg temp above 0 but less than 6 °C on subsequent days.

Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time
Carrie Adame	6.18.24	1340	[signature]	6.18.24	1340
[signature]	6.18.24	1500	Andrew Mabe	6.19.24	1645
Andrew Mabe	6.19.24	2245	[signature]	6-20-24	0500

Lab Use Only: Received on ice: Y / N; T1 ____ T2 ____ T3 ____; AVG Temp °C 4

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.

* Samples were Rcvd / Rel. by Courier Carrie Anne on 6/19/24, incorrect date was written on co

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Project Information | Chain of Custody | Page 2 of 3

Client: Pima Environmental Services	Bill To	Lab Use Only
Project: 2005 A OS (Government G)	Attention: Armstrong	Lab WO# E401617 7
Project Manager: Gio Gomez	Address:	Job Number 23093-0001
Address: 5614 N. Lovington Hwy.	City, State, Zip	
City, State, Zip Hobbs, NM, 88240	Phone:	
Phone: 806-782-1151	Email:	
Email: gio@pimaoil.com	Pima Project # 19-17	
Report due by:		

TAT				EPA Program	
1D	2D	3D	Standard	CWA	SDWA
X					
					RCRA

State: NM X | CO | UT | AZ | TX

Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Lab Number	DRO/ORO by 8015	GRO/DRO by 8015	BTEX by 8021	VOC by 8260	Metals 6010	Chloride 300.0	BGDOC NM	BGDOC TX	Remarks
9:41	6/14	S	1	CSW11	11							X		
9:53	"	"	"	CSW12	12							"		
10:11	"	"	"	CSW13	13							"		
10:20	"	"	"	CSW14	14							"		
10:25	"	"	"	CSW15	15							"		
10:31	"	"	"	CSW16	16							"		
10:37	"	"	"	CSW17	17							"		
10:39	"	"	"	CSW18	18							"		
10:41	"	"	"	CSW19	19							"		
10:50	"	"	"	CSW20	20							"		

Additional Instructions: Bill to Armstrong

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:

Samples requiring thermal preservation must be received on ice the day they are sampled or received packed in ice at an avg temp above 0 but less than 6 °C on subsequent days.

Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time
Karime Adame	6.18.24	1340	[signature]	6.18.24	1340
[signature]	6.19.24	1508	Andrew Hobbs	6.19.24	1645
Andrew Hobbs	6.19.24	2245	Kayla R. Hall	6.20.24	0600

Lab Use Only
Received on ice: Y / N
T1 T2 T3
AVG Temp °C 4

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.

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Project Information | Chain of Custody | Page 3 of 3

Client: Pima Environmental Services	Bill To
Project: 2005 A OS (Government G)	Attention: Armstrong
Project Manager: Gio Gomez	Address:
Address: 5614 N. Lovington Hwy.	City, State, Zip
City, State, Zip Hobbs, NM, 88240	Phone:
Phone: 806-782-1151	Email:
Email: gio@pimaoil.com	Pima Project # 19-17
Report due by:	

Lab Use Only: Lab WO# E406177 | Job Number 22093-0001

TAT: 1D X | 2D | 3D | Standard

EPA Program: CWA | SDWA | RCRA

State: NM X | CO | UT | AZ | TX

Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Lab Number	DRO/ORO by 8015	GRO/DRO by 8015	BTEX by 8021	VOC by 8260	Metals 6010	Chloride 300.0	BGDOC NM	BGDOC TX	Remarks
10:59	6/14	S	1	CSW 21	21							X		
11:09	"	"	"	CSW 22	22							"		
11:16	"	"	"	CSW 23	23							"		
11:20	"	"	"	CSW 24	24							"		
11:31	6/14	S	1	CSW 25	25							X		samples added
11:40	6/14	S	1	CSW 26	26							X		per Client 6/20/24 · RAS

Additional Instructions: Bill to Armstrong

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:

Samples requiring thermal preservation must be received on ice the day they are sampled or received packed in ice at an avg temp above 0 but less than 6 °C on subsequent days.

Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time
Karina Adame	6.18.24	1340	[signature]	6.18.24	1340
[signature]	6.18.24	1500	Andrew Hobbs	6.19.24	1645
Andrew Hobbs	6.19.24	2245	[signature]	6-20-24	0500

Lab Use Only: Received on ice: Y / N; T1 ____ T2 ____ T3 ____; AVG Temp °C 4

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.

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Envirotech Analytical Laboratory

Printed: 6/20/2024 1:35:46PM

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:	06/20/24 05:00	Work Order ID:	E406177
Phone:	(575) 631-6977	Date Logged In:	06/19/24 16:24	Logged In By:	Alexa Michaels
Email:	gio@pimaoil.com	Due Date:	06/20/24 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	Carrier: Courier
4. Was the COC complete, i.e., signatures, dates/times, requested analyses?	Yes	
5. Were all samples received within holding time? Note: Analysis, such as pH which should be conducted in the field, i.e, 15 minute hold time, are not included in this disucssion.	Yes	

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 Note: Thermal preservation is not required, if samples are received w/i 15 minutes of sampling	Yes	
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 filteration required and/or requested for dissolved metals?	No	

Multiphase Sample Matrix

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

Subcontract Laboratory

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

Comments/Resolution

Samples were rcvd/rel. by courier CarrieAnne on 6/19/24, incorrect date was originally written on COC by courier. -AM
Soil samples CSW25 & CSW26 rcvd by lab were added to COC per client.

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

QUESTIONS

Action 359889

QUESTIONS

Operator: ARMSTRONG ENERGY CORP P.O. Box 1973 Roswell, NM 88202	OGRID: 1092
	Action Number: 359889
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

Prerequisites	
Incident ID (n#)	**nPAC0600427595**
Incident Name	**NPAC0600427595 ARMSTRONG ENERGY GOVERNMENT "G" BATTERY @ 0**
Incident Type	**Oil Release**
Incident Status	**Remediation Closure Report Received**
Incident Facility	**[fPAC0600427265] Armstrong Energy Government "G" Battery**

Location of Release Source	
Please answer all the questions in this group.	
Site Name	ARMSTRONG ENERGY GOVERNMENT "G" BATTERY
Date Release Discovered	12/25/2005
Surface Owner	Federal

Incident Details	
Please answer all the questions in this group.	
Incident Type	Oil Release
Did this release result in a fire or is the result of a fire	No
Did this release result in any injuries	No
Has this release reached or does it have a reasonable probability of reaching a watercourse	No
Has this release endangered or does it have a reasonable probability of endangering public health	No
Has this release substantially damaged or will it substantially damage property or the environment	No
Is this release of a volume that is or may with reasonable probability be detrimental to fresh water	No

Nature and Volume of Release	
Material(s) released, please answer all that apply below. Any calculations or specific justifications for the volumes provided should be attached to the follow-up C-141 submission.	
Crude Oil Released (bbls) Details	*Not answered.*
Produced Water Released (bbls) Details	Cause: Equipment Failure | Separator | Produced Water | Released: 0 BBL (Unknown Released Amount) | Recovered: 0 BBL | Lost: 0 BBL.
Is the concentration of chloride in the produced water >10,000 mg/l	No
Condensate Released (bbls) Details	*Not answered.*
Natural Gas Vented (Mcf) Details	*Not answered.*
Natural Gas Flared (Mcf) Details	*Not answered.*
Other Released Details	*Not answered.*
Are there additional details for the questions above (i.e. any answer containing Other, Specify, Unknown, and/or Fire, or any negative lost amounts)	*Not answered.*

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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

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Oil Conservation Division
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Santa Fe, NM 87505

QUESTIONS (continued)

Operator: ARMSTRONG ENERGY CORP P.O. Box 1973 Roswell, NM 88202	OGRID: 1092
	Action Number: 359889
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

Nature and Volume of Release (continued)	
Is this a gas only submission (i.e. only significant Mcf values reported)	**No, according to supplied volumes this does not appear to be a "gas only" report.**
Was this a major release as defined by Subsection A of 19.15.29.7 NMAC	**Yes**
Reasons why this would be considered a submission for a notification of a major release	**From paragraph A. "Major release" determine using:** **(1) an unauthorized release of a volume, excluding gases, of 25 barrels or more.**
With the implementation of the 19.15.27 NMAC (05/25/2021), venting and/or flaring of natural gas (i.e. gas only) are to be submitted on the C-129 form.	

Initial Response	
The responsible party must undertake the following actions immediately unless they could create a safety hazard that would result in injury.	
The source of the release has been stopped	True
The impacted area has been secured to protect human health and the environment	True
Released materials have been contained via the use of berms or dikes, absorbent pads, or other containment devices	True
All free liquids and recoverable materials have been removed and managed appropriately	True
If all the actions described above have not been undertaken, explain why	*Not answered.*
Per Paragraph (4) of Subsection B of 19.15.29.8 NMAC the responsible party may commence remediation immediately after discovery of a release. If remediation has begun, please prepare and attach a narrative of actions to date in the follow-up C-141 submission. If remedial efforts have been successfully completed or if the release occurred within a lined containment area (see Subparagraph (a) of Paragraph (5) of Subsection A of 19.15.29.11 NMAC), please prepare and attach all information needed for closure evaluation in the follow-up C-141 submission.	

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.

I hereby agree and sign off to the above statement	Name: Jeffery Tew Title: Operations Engineer Email: Jtew@aecnm.com Date: 07/01/2024

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QUESTIONS (continued)

Operator: ARMSTRONG ENERGY CORP P.O. Box 1973 Roswell, NM 88202	OGRID: 1092
	Action Number: 359889
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

Site Characterization	
Please answer all the questions in this group (only required when seeking remediation plan approval and beyond). 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 in feet below ground surface (ft bgs)	Between 26 and 50 (ft.)
What method was used to determine the depth to ground water	NM OSE iWaters Database Search
Did this release impact groundwater or surface water	No
What is the minimum distance, between the closest lateral extents of the release and the following surface areas:	
A continuously flowing watercourse or any other significant watercourse	Greater than 5 (mi.)
Any lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark)	Between 1 and 5 (mi.)
An occupied permanent residence, school, hospital, institution, or church	Between 1 and 5 (mi.)
A spring or a private domestic fresh water well used by less than five households for domestic or stock watering purposes	Between 1 and 5 (mi.)
Any other fresh water well or spring	Between 1 and 5 (mi.)
Incorporated municipal boundaries or a defined municipal fresh water well field	Greater than 5 (mi.)
A wetland	Greater than 5 (mi.)
A subsurface mine	Greater than 5 (mi.)
An (non-karst) unstable area	Greater than 5 (mi.)
Categorize the risk of this well / site being in a karst geology	Low
A 100-year floodplain	Greater than 5 (mi.)
Did the release impact areas not on an exploration, development, production, or storage site	No

Remediation Plan	
Please answer all the questions that apply or are indicated. This information must be provided to the appropriate district office no later than 90 days after the release discovery date.	
Requesting a remediation plan approval with this submission	Yes
Attach a comprehensive report demonstrating the lateral and vertical extents of soil contamination associated with the release have been determined, pursuant to 19.15.29.11 NMAC and 19.15.29.13 NMAC.	
Have the lateral and vertical extents of contamination been fully delineated	Yes
Was this release entirely contained within a lined containment area	No
Soil Contamination Sampling: (Provide the highest observable value for each, in milligrams per kilograms.)	
Chloride (EPA 300.0 or SM4500 Cl B)	4280
TPH (GRO+DRO+MRO) (EPA SW-846 Method 8015M)	0
GRO+DRO (EPA SW-846 Method 8015M)	0
BTEX (EPA SW-846 Method 8021B or 8260B)	0
Benzene (EPA SW-846 Method 8021B or 8260B)	0
Per Subsection B of 19.15.29.11 NMAC unless the site characterization report includes completed efforts at remediation, the report must include a proposed remediation plan in accordance with 19.15.29.12 NMAC, which includes the anticipated timelines for beginning and completing the remediation.	
On what estimated date will the remediation commence	05/06/2024
On what date will (or did) the final sampling or liner inspection occur	06/14/2024
On what date will (or was) the remediation complete(d)	05/20/2024
What is the estimated surface area (in square feet) that will be reclaimed	0
What is the estimated volume (in cubic yards) that will be reclaimed	0
What is the estimated surface area (in square feet) that will be remediated	1200
What is the estimated volume (in cubic yards) that will be remediated	870
These estimated dates and measurements are recognized to be the best guess or calculation at the time of submission and may (be) change(d) over time as more remediation efforts are completed.	
The OCD recognizes that proposed remediation measures may have to be minimally adjusted in accordance with the physical realities encountered during remediation. If the responsible party has any need to significantly deviate from the remediation plan proposed, then it should consult with the division to determine if another remediation plan submission is required.	

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QUESTIONS (continued)

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	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

Remediation Plan (continued)	
Please answer all the questions that apply or are indicated. This information must be provided to the appropriate district office no later than 90 days after the release discovery date.	
This remediation will (or is expected to) utilize the following processes to remediate / reduce contaminants:	
(Select all answers below that apply.)	
(Ex Situ) Excavation and **off-site** disposal (i.e. dig and haul, hydrovac, etc.)	Yes
Which OCD approved facility will be used for **off-site** disposal	R360 Artesia LLC LANDFARM [fEEM0112340644]
OR which OCD approved well (API) will be used for **off-site** disposal	*Not answered.*
OR is the **off-site** disposal site, to be used, out-of-state	*Not answered.*
OR is the **off-site** disposal site, to be used, an NMED facility	*Not answered.*
(Ex Situ) Excavation and **on-site** remediation (i.e. On-Site Land Farms)	*Not answered.*
(In Situ) Soil Vapor Extraction	*Not answered.*
(In Situ) Chemical processing (i.e. Soil Shredding, Potassium Permanganate, etc.)	*Not answered.*
(In Situ) Biological processing (i.e. Microbes / Fertilizer, etc.)	*Not answered.*
(In Situ) Physical processing (i.e. Soil Washing, Gypsum, Disking, etc.)	*Not answered.*
Ground Water Abatement pursuant to 19.15.30 NMAC	*Not answered.*
OTHER (Non-listed remedial process)	*Not answered.*
Per Subsection B of 19.15.29.11 NMAC unless the site characterization report includes completed efforts at remediation, the report must include a proposed remediation plan in accordance with 19.15.29.12 NMAC, which includes the anticipated timelines for beginning and completing the remediation.	
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.	
I hereby agree and sign off to the above statement	Name: Jeffery Tew Title: Operations Engineer Email: Jtew@aecnm.com Date: 07/01/2024
The OCD recognizes that proposed remediation measures may have to be minimally adjusted in accordance with the physical realities encountered during remediation. If the responsible party has any need to significantly deviate from the remediation plan proposed, then it should consult with the division to determine if another remediation plan submission is required.	

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QUESTIONS (continued)

Operator: ARMSTRONG ENERGY CORP P.O. Box 1973 Roswell, NM 88202	OGRID: 1092
	Action Number: 359889
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

Deferral Requests Only	
Only answer the questions in this group if seeking a deferral upon approval this submission. Each of the following items must be confirmed as part of any request for deferral of remediation.	
Requesting a deferral of the remediation closure due date with the approval of this submission	No

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QUESTIONS (continued)

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QUESTIONS

Sampling Event Information	
Last sampling notification (C-141N) recorded	**353377**
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	**06/14/2024**
What was the (estimated) number of samples that were to be gathered	**26**
What was the sampling surface area in square feet	**5200**

Remediation Closure Request	
Only answer the questions in this group if seeking remediation closure for this release because all remediation steps have been completed.	
Requesting a remediation closure approval with this submission	Yes
Have the lateral and vertical extents of contamination been fully delineated	**Yes**
Was this release entirely contained within a lined containment area	**No**
All areas reasonably needed for production or subsequent drilling operations have been stabilized, returned to the sites existing grade, and have a soil cover that prevents ponding of water, minimizing dust and erosion	Yes
What was the total surface area (in square feet) remediated	1200
What was the total volume (cubic yards) remediated	870
All areas not reasonably needed for production or subsequent drilling operations have been reclaimed to contain a minimum of four feet of non-waste contain earthen material with concentrations less than 600 mg/kg chlorides, 100 mg/kg TPH, 50 mg/kg BTEX, and 10 mg/kg Benzene	Yes
What was the total surface area (in square feet) reclaimed	0
What was the total volume (in cubic yards) reclaimed	0
Summarize any additional remediation activities not included by answers (above)	From May 13 to May 20, Armstrong Energy continued the excavation under the guidance of Pima Environmental, ultimately the area overlapping delineation samples S1 and S2 was excavated to a depth of 47 feet below ground surface (bgs). Due to the excavation depth, we had to construct a ramp running east and west to accommodate a large piece of equipment (track hoe). The total area of the excavation, including the ramp, measured approximately 1,200 square feet. This area was not originally planned for excavation but had to be created for logistical purposes. In total, approximately 870 cubic yards of contaminated material were excavated and transported to an NMOCD-approved landfill for disposal. This ramped area will also undergo sampling to ensure no cross contamination or additional contamination is present.

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 (in .pdf format) 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.

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.

I hereby agree and sign off to the above statement	Name: Jeffery Tew Title: Operations Engineer Email: Jtew@aecnm.com Date: 07/01/2024

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QUESTIONS (continued)

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QUESTIONS

Reclamation Report	
Only answer the questions in this group if all reclamation steps have been completed.	
Requesting a reclamation approval with this submission	No

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CONDITIONS

Action 359889

CONDITIONS

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CONDITIONS

Created By	Condition	Condition Date
amaxwell	Remediation closure approved.	7/2/2024
amaxwell	A reclamation report will not be accepted until reclamation of the release area, including areas reasonably needed for production or drilling activities, is complete and meet the requirements of 19.15.29.13 NMAC. Areas not reasonably needed for production or drilling activities will still need to be reclaimed and revegetated as early as practicable.	7/2/2024
amaxwell	The reclamation report will need to include: Executive Summary of the reclamation activities; Scaled Site Map including sampling locations; Analytical results including, but not limited to, results showing that any remaining impacts meet the reclamation standards and results to prove the backfill is non-waste containing; At least one (1) representative 5-point composite sample will need to be collected from the backfill material that will be used for the reclamation of the top four feet of the excavation. OCD reserves the right to request additional sampling if needed; pictures of the backfilled areas showing that the area is back, as nearly as practical, to the original condition or the final land use and maintain those areas to control dust and minimize erosion to the extent practical; pictures of the top layer, which is either the background thickness of topsoil or one foot of suitable material to establish vegetation at the site, whichever is greater; and a revegetation plan.	7/2/2024