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



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. <u>NPAC0600427595</u>

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		Cons	tituent & Limits									
(Appendix A)	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.

	NMOCD Tak	ole 1 Closure	e Criteria 19.15	5.29 NMAC (Depth to Gro	undwater is	>50')					
		ARMSTRO	NG ENERGY - 2	2005 A OS (G	Government G	6 #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				
	1'	ND	ND	ND	ND	ND	ND	4280				
S1	2'	ND	ND	ND	ND	ND	ND	760				
51	3'	ND	ND	ND	ND	ND	ND	28.1				
	4'	ND	ND	ND	ND	ND	ND	451				
	1'	ND	ND	ND	ND	ND	ND	3870				
52	2'	ND	ND	ND	ND	ND	ND	754				
S2	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				

Sample Results (03-06-2024)

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 crosscontamination 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.

	NMO	CD Table 1 Cl	osure Criteria 1	9.15.29 NMA	C (Depth to Gro	oundwater is	<50')				
		А	rmstrong Energ	y 2005 A 05 (Government G	i)					
Date: 5-23-24				NM Ap	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			

Sample Results (05-23-2024)

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 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.

	NMOCD Tak	ole 1 Closure	Criteria 19.15		06-14-2024) Depth to Gro	undwater is	<50')	
			Armstrong					
Sample Date:6	-14-24			NM App	roved Labora	tory 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

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 <u>Sebastian@pimaoil.com</u>.

Respectfully,

Sebastian Orozco

Sebastian Orozco Environmental Project Manager Pima Environmental Services, LLC



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)







Received by OCD: 7/1/2024 10:16:47 AM 2005 A OS

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

Legend Page 10 of 150

• Delineation Sample

Feature 3

		ARMSTRO	NG ENERGY - 2	005 A OS (G	overnment G	i #1)							
mple 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					
	1'	ND	ND	ND	ND	ND	ND	4280					
	2'	ND	ND	ND	ND	ND	ND	760					
S1	3'	ND	ND	ND	ND	ND	ND	28.1					
4'	ND	ND	ND	ND	ND	ND	451						
	1'	ND	ND	ND	ND	ND	ND	3870					
62	2'	ND	ND	ND	ND	ND	ND	754					
S2	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	11	ND	ND	ND	ND	ND	ND	ND					
SW4	1'	ND	ND	ND	ND	ND	ND	ND					

SW2

s2

SW4 •

SW1

SĮ

SW3



A N

Received by OCD: 7/1/2024 10:16:47 AM 2005 A OS

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

Page 11 of 150 Legend 47' Excavation Confirmation Bottom Sample Confirmation Side Wall Sample Feature 2 Ramped Area

	NMO	CD Table 1 Clo	osure Criteria 1	9.15.29 NMA	C (Depth to Gr	oundwater is	<50')						
		A	rmstrong Energ	y 2005 A 05 (Government G	i)							
Date: 5-23-24	-	NM Approved Laboratory Results											
Sample ID	Sample ID Depth (BGS)		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					

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

Page 12 of 150

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





Appendix A

Water Surveys: OSE USGS Surface Water Map



New Mexico Office of the State Engineer Water Column/Average Depth to Water

POD suffix indicates the POD has been replaced & no longer serves a water right file.)	replaced, O=orphaned, C=the file is (quarters are 1=NW 2=NE 3=SW 4=SE) closed) (quarters are smallest to largest) (NAD83 UTM in meters)								(In f	feet)					
POD Number	Code	POD Sub- basin	County		Q 16		Sec	Tws	Rng	X	Y	DistanceDe	othWellDep		Vater olumn
<u>L 08941</u>		L	LE				19	19S	35E	640510	3612523 😜	883	600	286	314
<u>CP 00683 POD1</u>		СР	LE	3	3	4	25	19S	34E	639530	3610685* 😜	1583	120	28	92
<u>CP 01672 POD1</u>		СР	LE	1	3	1	36	19S	34E	638736	3610009 😜	2437	100		
<u>L 08234 S</u>		L	LE	4	4	1	18	19S	35E	640871	3614751* 🌑	2764	106	60	46
<u>L 08234 S2</u>		L	LE			3	17	19S	35E	642192	3614259* 😜	3220	126	80	46
<u>L 09569</u>		L	LE		4	3	17	19S	35E	642394	3614063* 🌍	3269	80	30	50
<u>L 08234</u>		L	LE	2	2	3	17	19S	35E	642487	3614566* 😜	3642	120	90	30
<u>L 15106 POD3</u>		L	LE	2	1	2	32	19S	35E	642875	3610512 😜	3656	55	28	27
<u>L 15106 POD1</u>		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			
<u>L 14876 POD11</u>		L	LE	2	1	2	32	19S	35E	642990	3610522 🌍	3752			
<u>L 14876 POD8</u>		L	LE	2	1	2	32	19S	35E	642983	3610507 🌍	3753			
<u>L 14876 POD5</u>		L	LE	2	1	2	32	19S	35E	642992	3610517 🌍	3757			
<u>L 14876 POD13</u>		L	LE	2	1	2	32	19S	35E	642987	3610500 🌍	3760		18	
<u>L 14876 POD3</u>		L	LE	2	1	2	32	19S	35E	643014	3610535 🌍	3768	40	0	40
<u>L 14876 POD9</u>		L	LE	2	1	2	32	19S	35E	643000	3610508 🌍	3768			
<u>L 14876 POD10</u>		L	LE	2	1	2	32	19S	35E	642998	3610500 🌍	3770			
<u>L 14876 POD2</u>		L	LE	2	1	2	32	19S	35E	642992	3610483 🦲	3773	37	28	9

Page 14 of 150

he data is furnished by the NMOSE ccuracy, completeness, reliability, usa	ISC and is accubility or suitab	epted by th	ne rec	ipie ticu	ent w lar r	vith th	he expre	essed und	derstanding t	hat the OSE	/ISC ma	ke no warranties, e	xpressed or in	nplied, concerr	ing th
UTM location was derived from P	LSS - see Help														
Easting (X): 639664.86		Nort	hing	(Y):	3612	2263			Radius:	4000				
UTMNAD83 Radius Searc	<u>h (in meters)</u>	<u>.</u>													
Record Count: 24															
												Maximum Dept	h:	286 fee	t
												Minimum Dep	th:	0 fee	t
											Averag	ge Depth to Wate	r:	50 fee	t
<u>. 15106 POD2</u>	L	LE	1	2	2	32	19S	35E	643119	36105	06 🌍	3875	55	51	
. 14876 POD1	L	LE	2	1	2	32	19S	35E	643011	36104	72 🌍	3795	25	0	2
. 14876 POD7	L	LE	2	1	2	32	19S	35E	643026	36105	15 😜	3787		19	
. 14208 POD1	L	LE	2	2	2	18	19S	35E	641685	36154	64 🔵	3785	78		
. 14876 POD14	L	LE	2	1	2	32	19S	35E	643023	36105	29 🌍	3779			
<u>. 14876 POD4</u>	L	LE	2	1	2	32	19S	35E	643016	36105	16 🥌	3778	25	22	

5/1/24 2:02 PM

WATER COLUMN/ AVERAGE DEPTH TO WATER

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Received by OCD: 7/1/2024 10:16:47 AM



Released to Imaging: 7/2/2024 11:39:18 AM

New Mexico Office of the State Engineer Point of Diversion Summary

		(quarters a (quarters					(NAD8	3 ПТ	M in meters)	
Well Tag	POD Number	Q64 Q1						X	Y	
NA	L 08941	2 3	-	19	19S	35E	64051	10	3612523 🔵	
x Driller Lice	ense: 319	Driller Co	ompa	ny:	NE	W MEX	KICO STA	A TE	HIGHWAY D	EPT.
Driller Nan	ne: LOVELACE									
Drill Start	Date: 07/08/1982	Drill Fini	sh Da	te:	0	8/09/19	82	Plu	g Date:	
Log File Da	ate: 08/30/1982	PCW Rev	v Date	:				Sou	irce:	Shallow
Ритр Туре	:	Pipe Disc	harge	Size	:			Est	imated Yield:	12 GPM
Casing Size	e: 6.63	Depth We	ell:		6	00 feet		De	pth Water:	286 feet
X	Water Bearing Stratific	cations:	Та	op I	Bottom	Desc	ription			
			28	30	295	Sand	stone/Gra	ivel	/Conglomerate	
			5	10	560	Other	r/Unknow	vn		
Х	Casing Perfo	orations:	То	op I	Bottom	L				
			5	10	530	1				
			50	50	570					
Х	Meter Number:	17820		Ι	Meter I	Make:		Τl	JRBINES INC	
	Meter Serial Number:	08051601		I	Meter I	Multipl	lier:	1.0	0000	
	Number of Dials:	7		Ι	Meter	Гуре:		Di	version	
	Unit of Measure:	Barrels 42 g	gal.	I	Return	Flow F	Percent:			
	Usage Multiplier:			I	Readin	g Frequ	uency:	М	onthly	
	_ X									

Meter Readings (in Acre-Feet)

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

		2017 2018		3.231 4.687
**YTD Met	er Amounts:			Amount
12/01/2018	2018	78697	Α	ap
11/01/2018	2018	75584	А	ap
09/01/2018	2018	70515	А	ap
08/01/2018	2018	69669	А	ap
07/01/2018	2018	68319	А	ap
6/01/2018	2018	62582	А	ap
03/01/2018	2018	50271	А	ap

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

5/1/24 2:03 PM

POINT OF DIVERSION SUMMARY

Received by OCD: 7/1/2024 10:16:47 AM 2005 A OS

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



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1 mi

CP_00683 POD1

2005 A OS

Google Earth Released to Imaging: 7/2/2024



USGS Home Contact USGS Search USGS

National Water Information System: Web Interface

USGS Water Resources	Data Category:	Geographic Area:		
	Groundwater 🗸 🗸	United States	~	GO

Click to hideNews Bulletins

- Explore the NEW <u>USGS National Water Dashboard</u> interactive map to access real-time water data from over 13,500 stations nationwide.
- Full News 🔊

Groundwater levels for the Nation

Important: <u>Next Generation Monitoring Location Page</u>

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 V 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.



- Period of approved data

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

<u>Questions or Comments</u> <u>Automated retrievals</u> <u>Help</u> <u>Data Tips</u> <u>Explanation of terms</u> <u>Subscribe for system changes</u> <u>News</u> Accessibility

Privacy Policies and Notices

U.S. Department of the Interior | U.S. Geological Survey Title: Groundwater for USA: Water Levels

FOIA

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





Received by OCD: 7/1/2024 10:16:47 AM 2005 A OS

T HAR

Laguna Tonto

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

Google Earth

Released to Imaging: 7/2/2024 11:39:18 AM Irrage © 2024 Airbus





Appendix B

Soil Survey & Geological Data FEMA Flood Map Wetlands Map



National Cooperative Soil Survey

Page 1 of 3

Page 25 of 150

MAP LEGEND MAP INFORMATION The soil surveys that comprise your AOI were mapped at Area of Interest (AOI) Spoil Area 8 1:20.000. Area of Interest (AOI) Ô Stony Spot Soils Warning: Soil Map may not be valid at this scale. Very Stony Spot ۵ Soil Map Unit Polygons Enlargement of maps beyond the scale of mapping can cause Ŷ Wet Spot Soil Map Unit Lines misunderstanding of the detail of mapping and accuracy of soil -Other \triangle line placement. The maps do not show the small areas of Soil Map Unit Points contrasting soils that could have been shown at a more detailed Special Line Features scale. Special Point Features Water Features Blowout ശ Please rely on the bar scale on each map sheet for map Streams and Canals Borrow Pit Ø measurements. Transportation × Clay Spot Source of Map: Natural Resources Conservation Service Rails ++++ Web Soil Survey URL: **Closed Depression** Ô Interstate Highways Coordinate System: Web Mercator (EPSG:3857) Ж Gravel Pit US Routes Maps from the Web Soil Survey are based on the Web Mercator \sim projection, which preserves direction and shape but distorts Gravelly Spot ÷. Major Roads distance and area. A projection that preserves area, such as the Landfill ۵ Albers equal-area conic projection, should be used if more Local Roads \sim accurate calculations of distance or area are required. Lava Flow A. Background This product is generated from the USDA-NRCS certified data as Aerial Photography علد Marsh or swamp of the version date(s) listed below. Mine or Quarry 爱 Soil Survey Area: Lea County, New Mexico Miscellaneous Water 0 Survey Area Data: Version 20, Sep 6, 2023 Perennial Water 0 Soil map units are labeled (as space allows) for map scales 1:50,000 or larger. Rock Outcrop \sim Date(s) aerial images were photographed: Feb 7. 2020—May ⊹ Saline Spot 12, 2020 Sandy Spot The orthophoto or other base map on which the soil lines were Severely Eroded Spot compiled and digitized probably differs from the background imagery displayed on these maps. As a result, some minor Sinkhole Ô shifting of map unit boundaries may be evident. Slide or Slip δ Sodic Spot Ś

USDA

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



Received by OCD: 7/1/2024 10:16:4

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

4 10:	16:47 AM	Legend Page 30 o	of 150
	1 - 5	🖗 2005 A OS	
		🥖 Artesia Group	
24		Eolian and piedmont deposits	
		Eolian deposits	
	Jer 1	Ogallala Formation	
		Older alluvial deposits of upland plains, piedmont areas, calcic soils, eolian cover sediments of High Plains reg	gion
		Piedmont alluvial deposits	1
ſ			
			See Se
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	2	43	
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2005 A OS

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(https://www.usgs.gov/)

Released to Imaging: 7/2/2024 11:39:18 AM

Mineral Resources (https://www.usgs.gov/energy-and-minerals/mineral-resources-program)

/ Online Spatial Data (/) / Geology (/geology/) / by state (/geology/state/)

/ New Mexico (/geology/state/state.php?state=NM)

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	NGMDB product page for 22974		
and a shear of			

product (https://ngmdb.usgs.gov/Prodesc/proddesc_22974.htm)

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

DOI Privacy Policy (https://www.doi.gov/privacy) | Legal (https://www.usgs.gov/laws/policies_notices.html) | Accessibility (https://www2.usgs.gov/laws/accessibility.html) | Site Map (https://www.usgs.gov/sitemap.html) | Contact USGS (https://answers.usgs.gov/)

U.S. Department of the Interior (https://www.doi.gov/) | DOI Inspector General (https://www.doioig.gov/) | White House (https://www.whitehouse.gov/) |

E-gov (https://www.whitehouse.gov/omb/management/egov/) | No Fear Act (https://www.doi.gov/pmb/eeo/no-fear-act) | FOIA (https://www2.usgs.gov/foia)

National Flood Hazard Layer FIRMette



Legend



Basemap Imagery Source: USGS National Map 2023



Released to Imaging:

7/2/2024 11:39:18 AM

U.S. Fish and Wildlife Service National Wetlands Inventory

2005 A OS



May 2, 2024 **Wetlands**

- Estuarine and Marine Deepwater
- Estuarine and Marine Wetland
- 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.



Appendix C

48-Hour Notification

C-141

SIGN-IN HELP

Searches **Operator Data Hearing Fee Application**

OCD Permitting

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

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

Submission Informatio	ubmission 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

5	Site Name	Unavailable.
0	Date Release Discovered	12/25/2005
S	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	05/23/2024
19.15.29.12 NMAC	
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

Released to Imaging: 7/2/2024 11:39:18 AM
SIGN-IN HELP

		Searches	Operator Data	Hearing Fee Application
Comments				
No comments found for t	nis submission.			
Conditions				
Summary:	<i>jtew (5/20/2024)</i> , Failure to notify the OCD of sampling events including any changes in o remediation closure samples not being accepted.	date/time per the requ	irements of 19.15.29.12.D	.(1).(a) NMAC, may result in the
Reasons				
No reasons found for this	submission.			
Go Back				

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EMNRD Home OCD Main Page OCD Rules Help

01011-111

11 10 10 10 1

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OCD Permitting

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

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

Submission Information	on		
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 samplin	ng.
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

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EMNRD Home OCD Main Page OCD Rules Help

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

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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	OI
Date Release Discovered 12/25/2005 API# (if a	pplicable)

Unit Letter	Section	Township	Range	County
0	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.				

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Was this a major release as defined by	If YES, for what reason(s) does the responsible party consider this a major release?
19.15.29.7(A) NMAC?	
🗌 Yes 🔽 No	
If YES, was immediate no	otice 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

 \checkmark The source of the release has been stopped.

 \bigvee 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 TewTitle:OperationsSignature:Jeffery TewDate:5/31/2024

email: jtew@aecnm.com

Title: Operations Engineer

Telephone: 575-623-2999

OCD Only

Received by:

Date:

Received by OCD: 7/1/2024 10:16:47 AM Form C-141 State of New Mexico

Oil Conservation Division

Incident ID	nPAC0600427595
District RP	
Facility ID	fPAC0600427265
Application ID	

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Site Assessment/Characterization

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

What is the shallowest depth to groundwater beneath the area affected by the release?	<u><50'</u> (ft bgs)
Did this release impact groundwater or surface water?	🗌 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
- \checkmark Data table of soil contaminant concentration data
- $\overline{\mathbf{V}}$ 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
- Z 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.

Received by OCD: 7/1/2024 10:16:47 AM Form C-141 State of New Mex		co	Page 43 o				
	Oil Conservation Div		Incident ID	nPAC0600427595			
age 4	e 4 Oli Conservation Di		District RP				
			Facility ID	fPAC0600427265			
			Application ID				
public health or the environ failed to adequately invest addition, OCD acceptance and/or regulations. Printed Name: Jeffery	e required to report and/or file certain rele nment. The acceptance of a C-141 report igate and remediate contamination that po of a C-141 report does not relieve the ope	by the OCD does not relieve th se a threat to groundwater, surf.	e operator of liability sl ace water, human healtl liance with any other fo	hould their operations have h or the environment. In			
Signature: email: jtew@aecnm	n.com	Date 5/31/2024 Telephone: 575	 623-2999				

Page 6

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Closure

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

<u>Closure Report Attachment Checklist</u>: 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)

 \square 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:	Date: <u>5/31/2024</u>
email:jtew@aecnm.com	Telephone: 575-623-2999
OCD Only	
Received by:	Date:
	of liability should their operations have failed to adequately investigate and water, human health, or the environment nor does not relieve the responsible for regulations.
Closure Approved by:	Date:
Printed Name:	Title:



Appendix D

Photographic Documentation



SITE PHOTOGRAPHS PIMA ENVIORNMENTAL

2005 A OS (Government G)

Assessment:



















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





Appendix E

Laboratory Reports



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: 20

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,



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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

Field Offices:

Southern New Mexico Area Lynn Jarboe Laboratory Technical Representative Office: 505-421-LABS(5227) Cell: 505-320-4759 ljarboe@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

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

Envirotech Web Address: www.envirotech-inc.com

•

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S1-3'	7
S1-4'	8
S2-1'	9
S2-2'	10
S2-3'	11
S2-4'	12
SW1	13
SW2	14
SW3	15
SW4	16
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Sample Summary

		Sample Sum	illal y		
Pima Environmental Services-Carlsbad		Project Name:	2005 A 0S		Reported:
PO Box 247		Project Number:	23093-0001		Reporteu.
Plains TX, 79355-0247		Project Manager:	Gio Gomez		03/19/24 16:50
lient Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
I-1'	E403090-01A	Soil	03/06/24	03/08/24	Glass Jar, 2 oz.
1-2'	E403090-02A	Soil	03/06/24	03/08/24	Glass Jar, 2 oz.
1-3'	E403090-03A	Soil	03/06/24	03/08/24	Glass Jar, 2 oz.
1-4'	E403090-04A	Soil	03/06/24	03/08/24	Glass Jar, 2 oz.
2-1'	E403090-05A	Soil	03/06/24	03/08/24	Glass Jar, 2 oz.
2-2'	E403090-06A	Soil	03/06/24	03/08/24	Glass Jar, 2 oz.
2-3'	E403090-07A	Soil	03/06/24	03/08/24	Glass Jar, 2 oz.
2-4'	E403090-08A	Soil	03/06/24	03/08/24	Glass Jar, 2 oz.
W1	E403090-09A	Soil	03/06/24	03/08/24	Glass Jar, 2 oz.
W2	E403090-10A	Soil	03/06/24	03/08/24	Glass Jar, 2 oz.
W3	E403090-11A	Soil	03/06/24	03/08/24	Glass Jar, 2 oz.
W4	E403090-12A	Soil	03/06/24	03/08/24	Glass Jar, 2 oz.



		ample D	uu				
Pima Environmental Services-Carlsbad	Project Name:	2005	5 A 0S				
PO Box 247	Project Numbe		23093-0001				Reported:
Plains TX, 79355-0247	Project Manag	ger: Gio	Gomez				3/19/2024 4:50:34PM
		S1-1'					
		E403090-01					
		Reporting					
Analyte	Result	Limit	Dil	ution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	g 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	
p-Xylene	ND	0.0250		1	03/11/24	03/18/24	
o,m-Xylene	ND	0.0500		1	03/11/24	03/18/24	
Fotal 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	
Dil 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:		5 A 0S				D (1)
PO Box 247 Plains TX, 79355-0247	Project Numbe Project Manag		93-0001 Gomez				Reported: 3/19/2024 4:50:34PM
	Tiojeet Wallag	u. 010	Gomez				5/17/2024 4.50.541 Wi
		S1-2'					
]	E403090-02					
		Reporting					
Analyte	Result	Limit	Dil	ution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	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	
p-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	
Dil 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	



	S	ample D	ata			
Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247	Project Name Project Numl Project Mana	ber: 2309	5 A 0S 93-0001 Gomez			Reported: 3/19/2024 4:50:34PM
		S1-3'				
		E403090-03				
		Reporting				
Analyte	Result	Limit	Dilut	tion Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	1	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	
p-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	1	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	1	Analyst: KM		Batch: 2411071
Diesel Range Organics (C10-C28)	ND	25.0	1	03/13/24	03/14/24	
Dil 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	1	Analyst: IY		Batch: 2411100
Chloride	28.1	20.0	1	03/14/24	03/15/24	



	Sa	ample D	ata				
Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247	Project Name: Project Numbe Project Manag	er: 2309	5 A 0S 93-0001 Gomez				Reported: 3/19/2024 4:50:34PM
		S1-4'					
		E403090-04					
		Reporting					
Analyte	Result	Limit	Dil	ution	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	КМ		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	



	S	ample D	ata				
Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247	Project Name Project Numb Project Manag	per: 2309	5 A 0S 93-0001 Gomez				Reported: 3/19/2024 4:50:34PM
		S2-1'					
		E403090-05					
		Reporting					
Analyte	Result	Limit	Dil	ution	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	КМ		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	



PO Box 247

Plains TX, 79355-0247

	S2-2'										
	E403090-06										
Reporting											
Result	Limit	Dil	ution	Prepared	Analyzed	Notes					
mg/kg	mg/kg		Analyst	: RAS		Batch: 2411020					
ND	0.0250		1	03/11/24	03/18/24						
ND	0.0250		1	03/11/24	03/18/24						
ND	0.0250		1	03/11/24	03/18/24						
ND	0.0250		1	03/11/24	03/18/24						
ND	0.0500		1	03/11/24	03/18/24						
ND	0.0250		1	03/11/24	03/18/24						
	97.6 %	70-130		03/11/24	03/18/24						
	98.7 %	70-130		03/11/24	03/18/24						
	114 %	70-130		03/11/24	03/18/24						
mg/kg	mg/kg		Analyst	RAS		Batch: 2411020					
ND	20.0		1	03/11/24	03/18/24						
	97.6 %	70-130		03/11/24	03/18/24						
	98.7 %	70-130		03/11/24	03/18/24						
	114 %	70-130		03/11/24	03/18/24						
mg/kg	mg/kg		Analyst	: KM		Batch: 2411071					
ND	25.0		1	03/13/24	03/14/24						
ND	50.0		1	03/13/24	03/14/24						
	101 %	50-200		03/13/24	03/14/24						
mg/kg	mg/kg		Analyst	: IY		Batch: 2411100					
754	20.0		1	0.0.11.1.0.1	02/15/24						
	mg/kg ND ND ND ND ND MD MD mg/kg ND ND mg/kg	E403090-06 Reporting Result Imirit mg/kg mg/kg mg/kg MD 0.0250 ND ND 0.0250 ND 97.6 % 98.7 % 114 % mg/kg mg/kg MD 20.0 97.6 % 98.7 % 114 % 114 % mg/kg mg/kg MD 25.0 ND 50.0 ND 50.0 101 % mg/kg	E403090-06 Reporting Result Limit Dil mg/kg mg/kg mg/kg MD 0.0250 DI ND 0.0250 DI 98.7 % 70-130 DI mg/kg mg/kg TO-130 97.6 % 70-130 DI 98.7 % 70-130 DI 90 50.0 DI ND 25.0 DI ND 50.0 <	F403090-06 Result Reporting Result Limit Dilution mg/kg mg/kg mg/kg Analyst ND 0.0250 1 98.7 % 70-130 1 MD 20.0 1 97.6 % 70-130 1 98.7 % 70-130 1 98.7 % 70-130 1 98.7 % 70-130 1 MD 25.0 1 ND 25.0 1 ND 50.0 1	F403090-06 Result Initian Dilution Prepared mg/kg mg/kg Analyst: Result MD 0.0250 1 03/11/24 ND 0.0250 1 03/11/24 98.7 % 70-130 03/11/24 98.7 % 70-130 03/11/24 98.7 % 70-130 03/11/24 98.7 % 70-130 03/11/24 98.7 % 70-130 03/11/24 98.7 % 70-130 03/11/24 98.7 % 70-130 03/11/24 <	F403090-06 Result Reporting Result Prepared Analyzet mg/kg mg/kg Analyzed Malyzed Malyzed MD 0.0250 1 03/11/24 03/18/24 ND 97.6 % 70-130 03/11/24 03/18/24 mg/kg mg/kg 70-130 03/11/24 03/18/24 MD 20.0 1 03/11/24 03/18/24 98.7 % 70-130 03/11/24 03/18/24 98.7 % 70-130					



	Sa	ample D	ata				
Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247	Project Name: Project Numbe Project Manag	er: 2309	5 A 0S 93-0001 Gomez				Reported: 3/19/2024 4:50:34PM
		S2-3'					
		E403090-07					
		Reporting					
Analyte	Result	Limit	Di	lution	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	



	Reporting					
esult	Limit	Di	lution	Prepared	Analyzed	Notes
csuit	Linit	DI	lution	Trepared	Anaryzeu	Notes
ıg/kg	mg/kg		Analyst:	RAS		Batch: 2411020
ND	0.0250		1	03/11/24	03/18/24	
ND	0.0250		1	03/11/24	03/18/24	
ND	0.0250		1	03/11/24	03/18/24	
ND	0.0250		1	03/11/24	03/18/24	
ND	0.0500		1	03/11/24	03/18/24	
ND	0.0250		1	03/11/24	03/18/24	
	98.3 %	70-130		03/11/24	03/18/24	
	96.5 %	70-130		03/11/24	03/18/24	
	96.6 %	70-130		03/11/24	03/18/24	
ıg/kg	mg/kg		Analyst:	RAS		Batch: 2411020
ND	20.0		1	03/11/24	03/18/24	
	98.3 %	70-130		03/11/24	03/18/24	
	96.5 %	70-130		03/11/24	03/18/24	
	96.6 %	70-130		03/11/24	03/18/24	
g/kg	mg/kg		Analyst:	KM		Batch: 2411071
ND	25.0		1	03/13/24	03/14/24	
	50.0		1	03/13/24	03/14/24	
ND						
ND	103 %	50-200		03/13/24	03/14/24	
ND 1g/kg		50-200	Analyst:		03/14/24	Batch: 2411100
	1D 1D 1D 1D 1D 1D g/kg g/kg	ND 0.0250 98.3 % 96.5 % 96.6 % 98.3 % 96.5 % 96.6 % 96.5 % 96.6 % 96.5 % 96.6 % g/kg mg/kg	ND 0.0250 98.3 % 70-130 96.5 % 70-130 96.6 % 70-130 96.5 % 70-130 96.5 % 70-130 96.5 % 70-130 96.5 % 70-130 96.6 % 70-130 96.6 % 70-130 96.6 % 70-130 96.6 % 70-130 96.6 % 70-130	ND 0.0250 1 98.3 % 70-130 96.5 % 96.5 % 70-130 96.6 % g/kg mg/kg Analyst: ND 20.0 1 98.3 % 70-130 96.5 % g/kg mg/kg Analyst: ND 20.0 1 96.5 % 70-130 96.6 % 96.6 % 70-130 96.6 % g/kg mg/kg Analyst:	ND 0.0250 1 03/11/24 98.3 % 70-130 03/11/24 96.5 % 70-130 03/11/24 96.6 % 70-130 03/11/24 96.5 % 70-130 03/11/24 96.5 % 70-130 03/11/24 96.5 % 70-130 03/11/24 96.6 % 70-130 03/11/24 96.6 % 70-130 03/11/24 96.6 % 70-130 03/11/24 96.6 % 70-130 03/11/24 96.6 % 70-130 03/11/24 96.6 % 70-1	ND 0.0250 1 03/11/24 03/18/24 ND 0.0500 1 03/11/24 03/18/24 ND 0.0250 1 03/11/24 03/18/24 ND 0.0250 1 03/11/24 03/18/24 96.5 % 70-130 03/11/24 03/18/24 96.6 % 70-130 03/11/24 03/18/24 96.6 % 70-130 03/11/24 03/18/24 96.5 % 70-130 03/11/24 03/18/24 96.5 % 70-130 03/11/24 03/18/24 96.6 % 70-130 03/11/24 03/18/24 96.6 % 70-130 03/11/24 03/18/24 <



		501				
		E403090-09				
		Reporting				
Analyte	Result	Limit	Dilutic	on Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Ar	nalyst: 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	Ar	nalyst: 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	Ar	nalyst: 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	Ar	nalyst: IY		Batch: 2411100
Chloride	ND	20.0	1	03/14/24	03/15/24	



Ethylbenzene

Toluene

o-Xylene

p,m-Xylene

Total Xylenes

Surrogate: Bromofluorobenzene

Received by OCD: 7/1/2024 10:16:47 AM						Page 62 o
	Sam	ple Dat	a			
Pima Environmental Services-Carlsbad	Project Name:	2005 A	0S			
PO Box 247	Project Number:		Reported:			
Plains TX, 79355-0247	Project Manager:	Gio Go	mez			3/19/2024 4:50:34PM
	S	SW2				
	E40.	3090-10				
		Reporting				
Analyte	Result	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	

0.0250

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03/18/24

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
Nonhalogenated Organics by EPA 8015D - DRO/ORO Diesel Range Organics (C10-C28)	mg/kg ND	mg/kg 25.0		Analyst 1	: KM 03/13/24	03/14/24	Batch: 2411071
				Analyst 1 1		03/14/24 03/14/24	Batch: 2411071
Diesel Range Organics (C10-C28)	ND	25.0	50-200	Analyst 1 1	03/13/24		Batch: 2411071
Diesel Range Organics (C10-C28) Oil Range Organics (C28-C36)	ND	25.0 50.0	50-200	Analyst 1 1 Analyst	03/13/24 03/13/24 03/13/24	03/14/24	Batch: 2411071 Batch: 2411100



PO Box 247

		E403090-11					
		Reporting					
Analyte	Result	Limit	Dil	ution	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	



Pima Environmental Services-Carlsbad

PO Box 247

Plains TX, 79355-0247	Project Manage	er: Gio	Gomez				3/19/2024 4:50:34PM
		SW4					
]	E403090-12					
		Reporting					
Analyte	Result	Limit	Di	lution	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:	20	05 A 0S					Reported:						
PO Box 247		Project Number:		093-0001					Reporteu.						
Plains TX, 79355-0247		Project Manager:		o Gomez					3/19/2024 4:50:34PM						
					A 03/01	D									
	Volatile Organic Compounds by EPA 8260B								Analyst: RAS						
Analyte		Reporting	Spike	Source		Rec		RPD							
-	Result	Limit	Level	Result	Rec	Limits	RPD	Limit							
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes						
Blank (2411020-BLK1)			3/11/24 Aı	nalyzed: 03/18/24											
Benzene	ND	0.0250							•						
Ethylbenzene	ND	0.0250													
Toluene	ND	0.0250													
p-Xylene	ND	0.0250													
p,m-Xylene	ND	0.0500													
Total Xylenes	ND	0.0250													
Surrogate: Bromofluorobenzene	0.472	0.0250	0.500		94.4	70-130									
Surrogate: 1,2-Dichloroethane-d4	0.491		0.500		98.1	70-130									
Surrogate: 1,2-Dichloroethane-a4 Surrogate: Toluene-d8	0.491		0.500		112	70-130									
-	0.000						D		1 1 00/10/04						
LCS (2411020-BS1)						Prepared: 0.	3/11/24 Ai	nalyzed: 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									
p-Xylene	2.53	0.0250	2.50		101	70-130									
o,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: 02	3/11/24 Ai	nalyzed: 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									
p-Xylene	2.40	0.0250	2.50	ND	96.0	43-135									
o,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									
	0.519		0.500		104	70-130									
Surrogate: Toluene-d8	0.519						D 1.0	2/11/2/ 4.	nalyzed: 03/18/24						
Surrogate: Toluene-d8 Matrix Spike Dup (2411020-MSD1)	0.519			Source:	E403090-	10	Prepared: 0.	3/11/24 AI							
Matrix Spike Dup (2411020-MSD1)	2.56	0.0250	2.50	ND	102	48-131	7.67	23							
Matrix Spike Dup (2411020-MSD1) Benzene	2.56 2.54	0.0250 0.0250	2.50 2.50				7.67 5.38	23 27							
-	2.56			ND	102	48-131	7.67	23	10, 2000 00, 10, 21						
Matrix Spike Dup (2411020-MSD1) Benzene Ethylbenzene Foluene	2.56 2.54	0.0250	2.50	ND ND	102 102	48-131 45-135	7.67 5.38	23 27							
Matrix Spike Dup (2411020-MSD1) Benzene Ethylbenzene Foluene o-Xylene	2.56 2.54 2.89	0.0250 0.0250	2.50 2.50	ND ND ND	102 102 115	48-131 45-135 48-130	7.67 5.38 9.85	23 27 24							
Matrix Spike Dup (2411020-MSD1) Benzene Ethylbenzene	2.56 2.54 2.89 2.50	0.0250 0.0250 0.0250	2.50 2.50 2.50	ND ND ND ND	102 102 115 100	48-131 45-135 48-130 43-135	7.67 5.38 9.85 4.10	23 27 24 27							
Matrix Spike Dup (2411020-MSD1) Benzene Ethylbenzene Foluene o-Xylene o,m-Xylene Fotal Xylenes	2.56 2.54 2.89 2.50 4.99	0.0250 0.0250 0.0250 0.0500	2.50 2.50 2.50 5.00	ND ND ND ND	102 102 115 100 99.7	48-131 45-135 48-130 43-135 43-135	7.67 5.38 9.85 4.10 7.63	23 27 24 27 27							
Matrix Spike Dup (2411020-MSD1) Benzene Ethylbenzene Toluene o-Xylene p,m-Xylene	2.56 2.54 2.89 2.50 4.99 7.49	0.0250 0.0250 0.0250 0.0500	2.50 2.50 2.50 5.00 7.50	ND ND ND ND	102 102 115 100 99.7 99.8	48-131 45-135 48-130 43-135 43-135 43-135	7.67 5.38 9.85 4.10 7.63	23 27 24 27 27							



QC Summary Data

		QC DI		iry Data	u				
Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247		Project Name: Project Number: Project Manager:	Project Number: 23093						Reported: 3/19/2024 4:50:34PM
		Analyst: RAS							
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
Blank (2411020-BLK1)							Prepared: 0	3/11/24 A	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: 0	3/11/24 A	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:	E403090-1	10	Prepared: 0	3/11/24 A	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:	E403090-1	10	Prepared: 0	3/11/24 A	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

		QC D	u1111110	ii y Data	a				
Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247		Project Name: Project Number: Project Manager:	23	005 A 0S 8093-0001 io Gomez					Reported: 3/19/2024 4:50:34PM
	Nonh	alogenated Org	anics by	EPA 8015I) - DRO	/ORO			Analyst: KM
Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
	mg ng			mg ng	70	70	70	70	Notes
Blank (2411071-BLK1)							Prepared: 0	3/13/24 A	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: 0	3/13/24 A	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: 0	3/13/24 A	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			

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QC Summary Data

		•							
Pima Environmental Services-Carlsbad PO Box 247		Project Name:		2005 A 0S 23093-0001					Reported:
PO Box 247 Plains TX, 79355-0247		Project Number: Project Manager:		Gio Gomez					3/19/2024 4:50:34PM
		, 0							
		Anions l	by EPA	300.0/9056A	L				Analyst: IY
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
Blank (2411100-BLK1)							Prepared: 0.	3/14/24 A	analyzed: 03/15/24
Chloride	ND	20.0							
LCS (2411100-BS1)							Prepared: 0.	3/14/24 A	nalyzed: 03/15/24
Chloride	260	20.0	250		104	90-110			
LCS Dup (2411100-BSD1)							Prepared: 0.	3/14/24 A	nalyzed: 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

	2 cmmuon		
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

it

- 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.

Released fo

Page _____ of _____

EPA Program

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mail: gio@pimaoil.com Pima Project # /9-/7		ROF	ORO	oy 80	y 826	s 601	de 3(× v		X		
Time Date Matrix No. of Containers Sampled Sampled	Lab Number	DRO/ORO by 8015	GRO/DRO by 8015	BTEX by 8021	VOC by 8260	Metals 6010	Chloride		BGDOC	BGDOC	_		Remarks	
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Additional Instructions: Bill to Pine														
, (field sampler), attest to the validity and authenticity of this sample. I am aware that tampering with or intentionally mi	islabelling the sam	ple loca	tion,			Samp	les requiri	ng thermal	preserv	ation m	ust be received	ved on ice the da C on subsequent	y they are sam days.	pled or received
late or time of collection is considered fraud and may be grounds for legal action. Sampled by:			1.00		_	раск	ed in ice at	an avg ten			lse Only			
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Page 71 of 150

Envirotech Analytical Laboratory

Sample Receipt Checklist (SRC)

	Pima Environmental Services-Carlsbad Da	ate Received:	03/09/24	09:00	Work Order ID:	E403090	
Phone:	(575) 631-6977 Da	te Logged In:	03/08/24	17:29	Logged In By:	Alexa Michaels	
Email:	gio@pimaoil.com Do	ie Date:	03/15/24	17:00 (4 day TAT)			
<u>Chain o</u>	f Custody (COC)						
1. Does	the sample ID match the COC?		Yes				
2. Does t	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 th	ne 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 i.e, 15 minute hold time, are not included in this disucssion.	e field,	Yes		Commen	ts/Resolution	
Sample '	<u>Turn Around Time (TAT)</u>						
6. Did th	e COC indicate standard TAT, or Expedited TAT?		Yes				
Sample	<u>Cooler</u>						
7. Was a	sample cooler received?		Yes				
8. If yes,	was cooler received in good condition?		Yes				
9. Was th	ne sample(s) received intact, i.e., not broken?		Yes				
10. Were	e custody/security seals present?		No				
11. If ye	s, were custody/security seals intact?		NA				
12. Was t	he sample received on ice? If yes, the recorded temp is 4°C, i.e. Note: Thermal preservation is not required, if samples are re- minutes of sampling		Yes				
13. If no	visible ice, record the temperature. Actual sample ter	nperature: 4°	С				
	<u>Container</u>	·	_				
	aqueous VOC samples present?		No				
	VOC samples collected in VOA Vials?		NA				
16. Is the	e head space less than 6-8 mm (pea sized or less)?		NA				
17. Was	a trip blank (TB) included for VOC analyses?		NA				
10 1	non-VOC samples collected in the correct containers?		Yes				
18. Are 1	appropriate volume/weight or number of sample containers	collected?	Yes				
	bel_						
19. Is the Field La 20. Were	e field sample labels filled out with the minimum inform						
19. Is the Field La 20. Were	e field sample labels filled out with the minimum inform Sample ID?		Yes				
19. Is the Field La 20. Were S	• field sample labels filled out with the minimum inform Sample ID? Date/Time Collected?		Yes				
19. Is the Field La 20. Were S I	e field sample labels filled out with the minimum inform Sample ID? Date/Time Collected? Collectors name?						
19. Is the Field La 20. Were S I C Sample	e field sample labels filled out with the minimum inform Sample ID? Date/Time Collected? Collectors name? <u>Preservation</u>	ation:	Yes Yes				
19. Is the Field La 20. Were I S Sample 21. Does	e field sample labels filled out with the minimum inform Sample ID? Date/Time Collected? Collectors name? <u>Preservation</u> s the COC or field labels indicate the samples were prese	ation:	Yes Yes No				
19. Is the Field La 20. Were I Sample 21. Does 22. Are s	e field sample labels filled out with the minimum inform Sample ID? Date/Time Collected? Collectors name? <u>Preservation</u> 5 the COC or field labels indicate the samples were prese sample(s) correctly preserved?	ation: vrved?	Yes Yes No NA				
19. Is the Field La 20. Were S I C Sample 21. Does 22. Are s 24. Is lat	 Field sample labels filled out with the minimum inform Sample ID? Date/Time Collected? Collectors name? Preservation a the COC or field labels indicate the samples were prese sample(s) correctly preserved? b filteration required and/or requested for dissolved meta 	ation: vrved?	Yes Yes No				
19. Is the Field La 20. Were S I C Sample 21. Does 22. Are s 24. Is lat Multiph	 Field sample labels filled out with the minimum inform Sample ID? Date/Time Collected? Collectors name? Preservation a the COC or field labels indicate the samples were presessample(s) correctly preserved? o filteration required and/or requested for dissolved meta ase Sample Matrix 	ation: vrved?	Yes Yes No NA No				
19. Is the Field La 20. Were S I C Sample 21. Does 22. Are s 24. Is lat Multiph 26. Does	e field sample labels filled out with the minimum inform Sample ID? Date/Time Collected? Collectors name? <u>Preservation</u> is the COC or field labels indicate the samples were prese sample(s) correctly preserved? o filteration required and/or requested for dissolved meta ase Sample Matrix is the sample have more than one phase, i.e., multiphase?	ation: erved? ls?	Yes Yes No No No				
19. Is the Field La 20. Were Sample 21. Does 22. Are s 24. Is lat Multiph 26. Does 27. If ye	 e field sample labels filled out with the minimum inform Sample ID? Date/Time Collected? Collectors name? Preservation a the COC or field labels indicate the samples were presessample(s) correctly preserved? b filteration required and/or requested for dissolved meta ase Sample Matrix a the sample have more than one phase, i.e., multiphase? s, does the COC specify which phase(s) is to be analyzed 	ation: erved? ls?	Yes Yes No NA No				
19. Is the Field La 20. Were Sample 21. Does 22. Are s 24. Is lat Multiph 26. Does 27. If ye:	 Field sample labels filled out with the minimum inform Sample ID? Date/Time Collected? Collectors name? Preservation a the COC or field labels indicate the samples were presessample(s) correctly preserved? b filteration required and/or requested for dissolved metases as the sample Matrix a the sample have more than one phase, i.e., multiphase? s, does the COC specify which phase(s) is to be analyzed 	ation: erved? ls?	Yes Yes No NA No NA				
19. Is the Field La 20. Were Sample 21. Does 22. Are s 24. Is lat Multiph 26. Does 27. If ye: Subcont 28. Are s	 e field sample labels filled out with the minimum inform Sample ID? Date/Time Collected? Collectors name? Preservation a the COC or field labels indicate the samples were presessample(s) correctly preserved? b filteration required and/or requested for dissolved meta ase Sample Matrix a the sample have more than one phase, i.e., multiphase? s, does the COC specify which phase(s) is to be analyzed 	ation: rved? ls? l?	Yes Yes No No No	Subcontract Lab: NA			

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



envirotech Inc.

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5796 U.S. Hwy 64 Farmington, NM 87401

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





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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

Field Offices:

Southern New Mexico Area Lynn Jarboe Laboratory Technical Representative Office: 505-421-LABS(5227) Cell: 505-320-4759 ljarboe@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

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

Envirotech Web Address: www.envirotech-inc.com





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CS6

CSW1

CSW2

CSW3

CSW4

Received by OCD: 7/1/2024 10:16:4	7 AM				Page 76 of	150		
		Sample Sum	mary					
Pima Environmental Services-Carlsbad		Project Name:	2005 A 05 (Govern	ment G)	Reported:			
PO Box 247		Project Number:	22093-0001		22093-0001		Toportour	
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.			

Soil

Soil

Soil

Soil

Soil

E405342-06A

E405342-07A

E405342-08A

E405342-09A

E405342-10A

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05/23/24

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05/24/24

05/24/24

05/24/24

05/24/24

Glass Jar, 2 oz.



envirotech Inc.

	Sa	ample D	ata			
Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247	Project Name: Project Numbe Project Manag	er: 2209	5 A 05 (Governm 93-0001 Gomez	ent G)		Reported: 5/31/2024 7:13:53AM
	110,000 1110100	-				
		CS1 E405342-01				
		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	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	Analy	st: 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	Analy	st: 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	Analy	st: DT		Batch: 2421168
Chloride	ND	20.0	1	05/24/24	05/24/24	



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Pima Environmental Services-Carlsbad	Project Name	: 200:	5 A 05 (Governi	ment G)		
PO Box 247	Project Numb		93-0001			Reported:
Plains TX, 79355-0247	Project Manag	ger: Gio	Gomez			5/31/2024 7:13:53AM
		CS2				
		E405342-02				
		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Anal	yst: 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	
Foluene	ND	0.0250	1	05/24/24	05/25/24	
p-Xylene	ND	0.0250	1	05/24/24	05/25/24	
o,m-Xylene	ND	0.0500	1	05/24/24	05/25/24	
Fotal 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	Anal	yst: 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	Anal	yst: 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	Anal	yst: DT		Batch: 2421168
Chloride	ND	20.0	1	05/24/24	05/24/24	



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Project Name:	2005	5 A 05 (Governme	ent G)		
Project Numb	er: 2209	93-0001	Reported:		
Project Manag	ger: Gio	Gomez			5/31/2024 7:13:53AM
	CS3				
	E405342-03				
	Reporting				
Result	Limit	Dilution	Prepared	Analyzed	Notes
mg/kg	mg/kg	Analys	t: EG		Batch: 2421159
ND	0.0250	1	05/24/24	05/25/24	
ND	0.0250	1	05/24/24	05/25/24	
ND	0.0250	1	05/24/24	05/25/24	
ND	0.0250	1	05/24/24	05/25/24	
ND	0.0500	1	05/24/24	05/25/24	
ND	0.0250	1	05/24/24	05/25/24	
	92.4 %	70-130	05/24/24	05/25/24	
mg/kg	mg/kg	Analys	t: EG		Batch: 2421159
ND	20.0	1	05/24/24	05/25/24	
	94.7 %	70-130	05/24/24	05/25/24	
mg/kg	mg/kg	Analys	t: KM		Batch: 2422051
ND	25.0	1	05/29/24	05/30/24	
ND	50.0	1	05/29/24	05/30/24	
	103 %	50-200	05/29/24	05/30/24	
mg/kg	mg/kg	Analys	t: DT		Batch: 2421168
ND	20.0			05/24/24	
	Project Name: Project Numb Project Manag Result mg/kg ND ND ND ND ND ND ND ND ND ND ND ND ND	Project Name: 2005 Project Number: 2209 Project Manager: Gio CS3 E405342-03 Reporting Result Limit mg/kg mg/kg ND 0.0250 ND 20.0 g/kg mg/kg MD 20.0 94.7 % MD MD 25.0 ND 50.0	Project Number: 22093-0001 Project Manager: Gio Gomez CS3 E405342-03 Result Limit Dilution mg/kg mg/kg Analys ND 0.0250 1 ND 20.0 1 mg/kg mg/kg Analys ND 20.0 1 MD 25.0 1 ND 25.0 1 ND 50.0 1 ND 50.200 1	Image: 2005 A 05 (Government G) Project Namber: 22093-0001 Project Manager: Gio Gomez E405342-03 E405342-03 Result Dilution Prepared Manager: Dilution Prepared Manalyst: Edite Manalyst: Edite Manalyst: Manalyst: Edite MD 0.0250 1 05/24/24 ND 20.0 1 05/24/24 MD 20.0 1 05/24/24 MD 20.0 1 05/24/24 MD 25.0 1 05/24/24	Project Name: 2005 A 05 (Government G) Project Number: 22093-0001 Project Manager: Gio Gomez CS3 E405342-03 Result Dilution Prepared Analyzed Mp/kg mg/kg Analyst: EG CS2/2/4 05/25/24 ND 0.0250 1 05/24/24 05/25/24 ND 20.0 1 05/24/24 05/25/24 ND



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Pima Environmental Services-Carlsbad	Project Name:	2003	5 A 05 (Governme	ent G)		
PO Box 247	Project Numbe	er: 2209	93-0001	Reported:		
Plains TX, 79355-0247	Project Manag	ger: Gio	Gomez			5/31/2024 7:13:53AM
		CS4				
		E405342-04				
		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analys	st: EG		Batch: 2421159
Benzene	ND	0.0250	1	05/24/24	05/25/24	
thylbenzene	ND	0.0250	1	05/24/24	05/25/24	
oluene	ND	0.0250	1	05/24/24	05/25/24	
-Xylene	ND	0.0250	1	05/24/24	05/25/24	
o,m-Xylene	ND	0.0500	1	05/24/24	05/25/24	
Total Xylenes	ND	0.0250	1	05/24/24	05/25/24	
urrogate: 4-Bromochlorobenzene-PID		91.3 %	70-130	05/24/24	05/25/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analys	st: EG		Batch: 2421159
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/24/24	05/25/24	
urrogate: 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	Analys	st: KM		Batch: 2422051
Diesel Range Organics (C10-C28)	ND	25.0	1	05/29/24	05/30/24	
Dil 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	Analys	st: DT		Batch: 2421168
Chloride	ND	20.0	1	05/24/24	05/24/24	



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Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247	Project Name: Project Numbe Project Manag	er: 2209	5 A 05 (Governm 93-0001 Gomez	ent G)		Reported: 5/31/2024 7:13:53AM
		CS5				
]	E405342-05				
		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analys	st: 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	
p-Xylene	ND	0.0250	1	05/24/24	05/25/24	
p,m-Xylene	ND	0.0500	1	05/24/24	05/25/24	
Fotal 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	Analys	st: 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	Analys	st: 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	Analys	st: DT		Batch: 2421168
Chloride	ND	20.0	1	05/24/24	05/24/24	



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Pima Environmental Services-Carlsbad	Project Name:	200	5 A 05 (Governme	nt G)		
PO Box 247	Project Numbe	er: 220	93-0001		Reported:	
Plains TX, 79355-0247	Project Manag	ger: Gio	Gomez			5/31/2024 7:13:53AM
		CS6				
	-	E405342-06				
		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analys	t: 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	
Foluene	ND	0.0250	1	05/24/24	05/25/24	
p-Xylene	ND	0.0250	1	05/24/24	05/25/24	
o,m-Xylene	ND	0.0500	1	05/24/24	05/25/24	
Fotal 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	Analys	:: 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	Analys	:: KM		Batch: 2422051
Diesel Range Organics (C10-C28)	ND	25.0	1	05/29/24	05/30/24	
Dil 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	Analys	:: DT		Batch: 2421168
Chloride	ND	20.0	1	05/24/24	05/24/24	



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Pima Environmental Services-Carlsbad	Project Name		5 A 05 (Govern	ment G)		
PO Box 247	Project Numb		93-0001			Reported:
Plains TX, 79355-0247	Project Mana	ger: Gio	Gomez			5/31/2024 7:13:53AM
		CSW1				
		E405342-07				
		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Ana	lyst: 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	
o,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	Ana	lyst: 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	Ana	lyst: KM		Batch: 2422051
Diesel Range Organics (C10-C28)	ND	25.0	1	05/29/24	05/30/24	
Dil 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	Ana	lyst: DT		Batch: 2421168
Chloride	ND	20.0	1	05/24/24	05/24/24	



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Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247	Project Name Project Numb Project Mana	ber: 220	5 A 05 (Governn 93-0001 Gomez	nent G)		Reported: 5/31/2024 7:13:53AM
		CSW2				
		E405342-08				
		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analy	/st: EG		Batch: 2421159
Benzene	ND	0.0250	1	05/24/24	05/25/24	
thylbenzene	ND	0.0250	1	05/24/24	05/25/24	
oluene	ND	0.0250	1	05/24/24	05/25/24	
-Xylene	ND	0.0250	1	05/24/24	05/25/24	
o,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	Analy	/st: 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	Analy	/st: KM		Batch: 2422051
Diesel Range Organics (C10-C28)	ND	25.0	1	05/29/24	05/30/24	
Dil 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	Analy	/st: DT		Batch: 2421168
Chloride	ND	20.0	1	05/24/24	05/24/24	



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Pima Environmental Services-Carlsbad	Project Name		5 A 05 (Govern	iment G)		
PO Box 247	Project Numb		93-0001			Reported:
Plains TX, 79355-0247	Project Mana	ger: Gio	Gomez			5/31/2024 7:13:53AM
		CSW3				
		E405342-09				
		Reporting				
Analyte	Result	Limit	Dilution	n Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Ana	ılyst: 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	
o,m-Xylene	ND	0.0500	1	05/24/24	05/25/24	
Fotal 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	Ana	alyst: 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	Ana	ılyst: KM		Batch: 2422051
Diesel Range Organics (C10-C28)	ND	25.0	1	05/29/24	05/30/24	
Dil 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	Ana	ılyst: DT		Batch: 2421168
Chloride	ND	20.0	1	05/24/24	05/24/24	



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Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247	Project Name Project Numb Project Mana	ber: 220	5 A 05 (Governm 93-0001 Gomez	nent G)		Reported: 5/31/2024 7:13:53AM
		CSW4				
		E405342-10				
		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analy	/st: 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	
oluene	ND	0.0250	1	05/24/24	05/25/24	
-Xylene	ND	0.0250	1	05/24/24	05/25/24	
o,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	Analy	/st: 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	Analy	vst: KM		Batch: 2422051
Diesel Range Organics (C10-C28)	ND	25.0	1	05/29/24	05/30/24	
Dil 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	Analy	/st: DT		Batch: 2421168
Chloride	ND	20.0	1	05/24/24	05/24/24	



QC Summary Data

Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247		Project Name: Project Number: Project Manager:	22	005 A 05 (Gov 2093-0001 io Gomez	ernment G)				Reported: 5/31/2024 7:13:53AM
		Volatile Or	rganics l	oy EPA 802	1B				Analyst: EG
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
Blank (2421159-BLK1)							Prepared: 0	5/24/24 <i>A</i>	Analyzed: 05/24/24
Benzene	ND	0.0250							
Ethylbenzene	ND	0.0250							
Toluene	ND	0.0250							
p-Xylene	ND	0.0250							
o,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: 0	5/24/24 A	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			
p-Xylene	4.89	0.0250	5.00		97.7	70-130			
o,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: 0	5/24/24 A	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	
o,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	
	7.14		8.00			70-130			



QC Summary Data

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Pima Environmental Services-Carlsbad PO Box 247		Project Name: Project Number:		2005 A 05 (Gov 22093-0001	ernment C	i)			Reported:
Plains TX, 79355-0247		Project Manager:		Gio Gomez					5/31/2024 7:13:53A
	No	onhalogenated C	Organic	s by EPA 801	15D - G	RO			Analyst: EG
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limi	
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
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			



Released to Imaging: 7/2/2024 11:39:18 AM

QC Summary Data

envirotech Inc.

		QU D	u 111111	ing Date					
Pima Environmental Services-Carlsbad		Project Name:	20	005 A 05 (Gov	ernment G)			Reported:
PO Box 247		Project Number:	22	2093-0001					
Plains TX, 79355-0247		Project Manager:	G	io Gomez					5/31/2024 7:13:53AM
	Nonh	alogenated Org	anics by	EPA 8015I) - DRO/	'ORO			Analyst: KM
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
Blank (2422051-BLK1)							Prepared: 0	5/29/24 A	nalyzed: 05/29/24
Diesel Range Organics (C10-C28)	ND	25.0							
Dil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	48.6		50.0		97.1	50-200			
LCS (2422051-BS1)							Prepared: 0	5/29/24 A	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: 0	5/29/24 A	analyzed: 05/29/24
Diesel Range Organics (C10-C28)	272	25.0	250		109	38-132	1.48	20	

Page 17 of 21

QC Summary Data

		~		v					
Pima Environmental Services-Carlsbad PO Box 247		Project Name: Project Number:		2005 A 05 (Gove 22093-0001	ernment G))			Reported:
Plains TX, 79355-0247		Project Manager:		Gio Gomez					5/31/2024 7:13:53AM
		Anions l	by EPA	300.0/9056A	L				Analyst: DT
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
Blank (2421168-BLK1)							Prepared: 05	5/24/24 A	analyzed: 05/24/24
Chloride	ND	20.0							
LCS (2421168-BS1)							Prepared: 05	5/24/24 A	analyzed: 05/24/24
Chloride	255	20.0	250		102	90-110			
LCS Dup (2421168-BSD1)							Prepared: 05	5/24/24 A	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

ting limit
l

- 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.



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oiect: 7005 A C) (Gray	ernment (<u>.</u>	Attentic Address			F	NO#	34	21		umber B-(2001		20	<u>X</u> L	Juli			
oject Manager: (dress: 5614 N.	<u>Gio Gor</u> Lovingt	nez on Hwy.		City, Sta	ite, Zip					A	nalys 1	is and I	Method			— T				RCRA
y, State, Zip Ho	bbs. NA	<u>A. 88240</u>		Phone: Email:			2	ង									Ļ		State	
one: 806-782-1 nail: gio@pima	aoil.com	1			Project # 19-17		DRO/ORO by 8015	GRO/DRO by 8015	2021	ଞ୍ଚ	8	300.0		WN	¥			x	UT AZ	
port due by:		Alta of				Lab	0/0RC	o/DRC	BTEX by 8021	VOC by 8260	Metals 6010	Chloride 300.0		BGDOC	BGDOC		ſ		Remarks	
Time Date ampled Sampled	Matrix	No. of Containers	Sample ID	<u></u>		Number	r ä	ğ	- -	<u> </u>	ž	5			80					
:03 5/23	5		CSI									-+	+	X		-+				
:10			CSZ			2														
		+	CS3			3														
:P7						4								\prod						
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9:21			CSUL	1 Parts					<u> </u>		I	<u> </u>								
Additional Instru				YE	Bill to A	MS-HOP	19 Inste loca	ition,			Samp	les requiri	ng therma	l preserv	ation m	tust be n	eceived o	on ice the da	ay they are sam	pled or receive
, (field sampler), attest late or time of collectio	to the validi n is conside	ity and auther red fraud and	ticity of this sample may be grounds fo	r legal action.	t tampering with or Intentionally Sampled by:			Tim			packe	d in ice at	an avg te			Jse O		subsequent		
Relinquished by: (Sig	nature)	Dat	23/24	1:27	eceived by: (signature)	alex 5-2	3-24	'	<u> 32</u>	.7_	Rec	eived	on ice		<u>)</u>				n an th Martin an th Theorem and the	
Karine HC Relinguished by: (Sig	natural	Page Dat		ne R	leceived by: (Signature)	Date	3.2	Tim Y	່ເຮ	$\mathbf{\infty}$	T1			T2				<u>T3</u>		
Relinguished by: (Sig		Da		1620 r	iecelved by: (Signature)	Date	uh.	Tim				<u></u>	0-	Ý						
d. A			2324	2400	Ar_	572 Conta azardous samples laboratory is limite	YID		alaa		now/	G Tem plastic,	20-20	nber g	ass, \	- VO	A			

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Envirotech Analytical Laboratory

Sample Receipt Checklist (SRC)

lient:	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 o	f Custody (COC)					
1. Does	the sample ID match the COC?		Yes			
2. Does	the number of samples per sampling site location mate	ch the COC	Yes			
3. Were	samples dropped off by client or carrier?		Yes	Carrier: Courier		
4. Was tl	he COC complete, i.e., signatures, dates/times, request	ted analyses?	Yes			
5. Were	all samples received within holding time? Note: Analysis, such as pH which should be conducted in i.e, 15 minute hold time, are not included in this disucssio		Yes		Commen	ts/Resolution
Sample	<u>Turn Around Time (TAT)</u>					
6. Did th	ne 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 tl	he sample(s) received intact, i.e., not broken?		Yes			
10. Were	e custody/security seals present?		No			
11. If ye	s, were custody/security seals intact?		NA			
12. Was t	the sample received on ice? If yes, the recorded temp is 4°C, Note: Thermal preservation is not required, if samples are minutes of sampling		Yes			
13. If no	visible ice, record the temperature. Actual sample	temperature: 4°	с			
	Container					
	aqueous VOC samples present?		No			
	VOC samples collected in VOA Vials?		NA			
	e head space less than 6-8 mm (pea sized or less)?		NA			
	a trip blank (TB) included for VOC analyses?		NA			
	non-VOC samples collected in the correct containers?		Yes			
19. Is the	appropriate volume/weight or number of sample contain	ers collected?	Yes			
Field La	abel					
20. Were	e field sample labels filled out with the minimum info	rmation:				
	Sample ID?		Yes			
	Date/Time Collected?		Yes			
	Collectors name?		Yes			
	Preservation s the COC or field labels indicate the samples were pro-	eserved?	No			
	sample(s) correctly preserved?		NO			
	b filteration required and/or requested for dissolved m	etals?	No			
	ase Sample Matrix		110			
	s the sample have more than one phase, i.e., multiphas	e?	No			
	s, does the COC specify which phase(s) is to be analy		NO			
•	tract Laboratory	2001	INA			
	samples required to get sent to a subcontract laborator	v?	No			
	a subcontract laboratory specified by the client and if		NA	Subcontract Lab: NA		
27. Was	a successful activation y specified by the chefit and fi	55 WIIO:	1 1/1	Subconnact Lab. INA		

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



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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

Field Offices: Southern New Mexico Area Lynn Jarboe Laboratory Technical Representative Office: 505-421-LABS(5227) Cell: 505-320-4759 ljarboe@envirotech-inc.com Raina Schwanz Laboratory Administrator Office: 505-632-1881 rainaschwanz@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



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Sample Summary

		Sample Sum	mary		
Pima Environmental Services-Carlsbad PO Box 247		Project Name: Project Number:	2005 A 05 (Govern 22093-0001	ment G)	Reported:
Plains TX, 79355-0247		Project Manager:	Gio Gomez		06/21/24 14:46
Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
SW1	E406177-01A	Soil	06/14/24	06/20/24	Glass Jar, 2 oz.
2SW2	E406177-02A	Soil	06/14/24	06/20/24	Glass Jar, 2 oz.
SW3	E406177-03A	Soil	06/14/24	06/20/24	Glass Jar, 2 oz.
SW4	E406177-04A	Soil	06/14/24	06/20/24	Glass Jar, 2 oz.
SW5	E406177-05A	Soil	06/14/24	06/20/24	Glass Jar, 2 oz.
SW6	E406177-06A	Soil	06/14/24	06/20/24	Glass Jar, 2 oz.
SW7	E406177-07A	Soil	06/14/24	06/20/24	Glass Jar, 2 oz.
SW8	E406177-08A	Soil	06/14/24	06/20/24	Glass Jar, 2 oz.
SW9	E406177-09A	Soil	06/14/24	06/20/24	Glass Jar, 2 oz.
SW10	E406177-10A	Soil	06/14/24	06/20/24	Glass Jar, 2 oz.
SW11	E406177-11A	Soil	06/14/24	06/20/24	Glass Jar, 2 oz.
SW12	E406177-12A	Soil	06/14/24	06/20/24	Glass Jar, 2 oz.
SW13	E406177-13A	Soil	06/14/24	06/20/24	Glass Jar, 2 oz.
2SW14	E406177-14A	Soil	06/14/24	06/20/24	Glass Jar, 2 oz.
SW15	E406177-15A	Soil	06/14/24	06/20/24	Glass Jar, 2 oz.
SW16	E406177-16A	Soil	06/14/24	06/20/24	Glass Jar, 2 oz.
SW17	E406177-17A	Soil	06/14/24	06/20/24	Glass Jar, 2 oz.
SW18	E406177-18A	Soil	06/14/24	06/20/24	Glass Jar, 2 oz.
SW19	E406177-19A	Soil	06/14/24	06/20/24	Glass Jar, 2 oz.
SW20	E406177-20A	Soil	06/14/24	06/20/24	Glass Jar, 2 oz.
SW21	E406177-21A	Soil	06/14/24	06/20/24	Glass Jar, 2 oz.
SW22	E406177-22A	Soil	06/14/24	06/20/24	Glass Jar, 2 oz.
SW23	E406177-23A	Soil	06/14/24	06/20/24	Glass Jar, 2 oz.
SW24	E406177-24A	Soil	06/14/24	06/20/24	Glass Jar, 2 oz.
SW25	E406177-25A	Soil	06/14/24	06/20/24	Glass Jar, 2 oz.
SW26	E406177-26A	Soil	06/14/24	06/20/24	Glass Jar, 2 oz.



	50	imple D	ala				
Pima Environmental Services-Carlsbad	Project Name:		5 A 05 (Governm	ent G)			
PO Box 247	Project Numbe		93-0001	Reported:			
Plains TX, 79355-0247	Project Manag	er: Gio	Gomez			6/21/2024 2:46:25PM	
		CSW1					
		E406177-01					
		Reporting					
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes	
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analy	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		
p-Xylene	ND	0.0250	1	06/20/24	06/20/24		
o,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	Analy	st: IY		Batch: 2425076	
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/20/24	06/20/24		
urrogate: 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	Analy	st: KM		Batch: 2425079	
Diesel Range Organics (C10-C28)	ND	25.0	1	06/20/24	06/20/24		
Dil 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	Analy	st: JM		Batch: 2425083	
Chloride	ND	20.0	1	06/20/24	06/20/24		



	2	bample D	ลเล			
Pima Environmental Services-Carlsbad PO Box 247	Project Name Project Numl		5 A 05 (Governr 93-0001		Reported: 6/21/2024 2:46:25PM	
Plains TX, 79355-0247	Project Mana		Gomez			
		CSW2				
		E406177-02				
		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Anal	yst: 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	
p-Xylene	ND	0.0250	1	06/20/24	06/20/24	
o,m-Xylene	ND	0.0500	1	06/20/24	06/20/24	
Fotal 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	Anal	yst: KM		Batch: 2425079
Diesel Range Organics (C10-C28)	ND	25.0	1	06/20/24	06/20/24	
Dil 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	Anal	yst: JM		Batch: 2425083
Chloride	ND	20.0	1	06/20/24	06/20/24	



	5	ampic D	ata			
Pima Environmental Services-Carlsbad	Project Name	: 200:	5 A 05 (Governm	ent G)		
PO Box 247	Project Numb	ber: 2209	93-0001		Reported:	
Plains TX, 79355-0247	Project Mana	ger: Gio	Gomez			6/21/2024 2:46:25PM
		CSW3				
		E406177-03				
		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analys	st: 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	
p-Xylene	ND	0.0250	1	06/20/24	06/20/24	
o,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	g Analyst: KM		Batch: 2425079	
Diesel Range Organics (C10-C28)	ND	25.0	1	06/20/24	06/20/24	
Dil 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	Analys	st: JM		Batch: 2425083
Chloride	ND	20.0	1	06/20/24	06/20/24	



	6	ampic D	ala			
Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247	Project Name Project Numb Project Manag	ber: 220	5 A 05 (Governi 93-0001 Gomez	nent G)		Reported: 6/21/2024 2:46:25PM
		CSW4				
		E406177-04				
		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Anal	yst: 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	
o,m-Xylene	ND	0.0500	1	06/20/24	06/20/24	
Fotal 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	/kg Analyst: KM		Batch: 2425079	
Diesel Range Organics (C10-C28)	ND	25.0	1	06/20/24	06/20/24	
Dil 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	Anal	yst: JM		Batch: 2425083
Chloride	ND	20.0	1	06/20/24	06/20/24	



		ampie D				
Pima Environmental Services-Carlsbad	Project Name:	2003	5 A 05 (Governme	ent G)		
PO Box 247	Project Numbe	er: 2209	93-0001		Reported:	
Plains TX, 79355-0247	Project Manag	ger: Gio		6/21/2024 2:46:25PM		
		CSW5				
		E406177-05				
		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analys	st: 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	
p-Xylene	ND	0.0250	1	06/20/24	06/20/24	
o,m-Xylene	ND	0.0500	1	06/20/24	06/20/24	
Fotal 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	'kg Analyst: KM			Batch: 2425079
Diesel Range Organics (C10-C28)	ND	25.0	1	06/20/24	06/20/24	
Dil 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	Analys	st: JM		Batch: 2425083
Chloride	ND	20.0	1	06/20/24	06/20/24	

	D.	ampic D	ata			
Pima Environmental Services-Carlsbad	Project Name:		5 A 05 (Governm	ent G)		
PO Box 247	Project Numb		93-0001		Reported:	
Plains TX, 79355-0247	Project Manag	ger: Gio	Gomez			6/21/2024 2:46:25PM
		CSW6				
		E406177-06				
		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analy	st: 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	
p-Xylene	ND	0.0250	1	06/20/24	06/20/24	
o,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	/kg Analyst: KM		Batch: 2425079	
Diesel Range Organics (C10-C28)	ND	25.0	1	06/20/24	06/20/24	
Dil 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	Analy	st: JM		Batch: 2425083
Chloride	ND	20.0	1	06/20/24	06/20/24	



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Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247	Project Name Project Numb Project Manag	er: 220	5 A 05 (Governm 93-0001 Gomez	ent G)		Reported: 6/21/2024 2:46:25PM
		CSW7				
		E406177-07				
		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analys	st: 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	
p-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	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	Analys	st: JM		Batch: 2425083
Chloride	ND	20.0	1	06/20/24	06/20/24	



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Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247	Project Name: Project Numbe Project Manag	er: 220	5 A 05 (Governn 93-0001 Gomez	nent G)		Reported: 6/21/2024 2:46:25PM
		CSW8				
		E406177-08				
		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analy	vst: 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	
p-Xylene	ND	0.0250	1	06/20/24	06/20/24	
o,m-Xylene	ND	0.0500	1	06/20/24	06/20/24	
Fotal 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	g Analyst: KM		Batch: 2425079	
Diesel Range Organics (C10-C28)	ND	25.0	1	06/20/24	06/20/24	
Dil 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	Analy	vst: JM		Batch: 2425083
Chloride	ND	20.0	1	06/20/24	06/20/24	



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Pima Environmental Services-Carlsbad	Project Name:		5 A 05 (Governm			
PO Box 247	Project Numb		93-0001		Reported:	
Plains TX, 79355-0247	Project Manag	ger: Gio	Gomez			6/21/2024 2:46:25PM
		CSW9				
		E406177-09				
		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analy	st: 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	
p-Xylene	ND	0.0250	1	06/20/24	06/20/24	
o,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	/kg Analyst: KM		Batch: 2425079	
Diesel Range Organics (C10-C28)	ND	25.0	1	06/20/24	06/20/24	
Dil 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	Analy	st: DT		Batch: 2425083
Chloride	ND	20.0	1	06/20/24	06/20/24	



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Pima Environmental Services-Carlsbad PO Box 247	Project Nam Project Num		5 A 05 (Goverr 93-0001		Reported:	
Plains TX, 79355-0247	Project Mana		Gomez			6/21/2024 2:46:25PM
		CSW10				
		E406177-10				
		Reporting				
Analyte	Result	Limit	Dilution	n Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Ana	alyst: 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	
o,m-Xylene	ND	0.0500	1	06/20/24	06/20/24	
Total Xylenes	ND	0.0250	1	06/20/24	06/20/24	
urrogate: 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	Ana	alyst: KM		Batch: 2425079
Diesel Range Organics (C10-C28)	ND	25.0	1	06/20/24	06/20/24	
Dil Range Organics (C28-C36)	ND	50.0	1	06/20/24	06/20/24	
urrogate: n-Nonane		95.1 %	50-200	06/20/24	06/20/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Ana	alyst: DT		Batch: 2425083
Chloride	ND	20.0	1	06/20/24	06/20/24	


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Pima Environmental Services-Carlsbad PO Box 247	Project Nam Project Num		5 A 05 (Governm 93-0001	nent G)		Reported:
Plains TX, 79355-0247	Project Man	ager: Gio	Gomez			6/21/2024 2:46:25PM
		CSW11				
		E406177-11				
		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analy	vst: 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	
o,m-Xylene	ND	0.0500	1	06/20/24	06/20/24	
Total Xylenes	ND	0.0250	1	06/20/24	06/20/24	
urrogate: 4-Bromochlorobenzene-PID		93.2 %	70-130	06/20/24	06/20/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analy	Analyst: IY		Batch: 2425076
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/20/24	06/20/24	
urrogate: 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	Analy	/st: KM		Batch: 2425079
Diesel Range Organics (C10-C28)	ND	25.0	1	06/20/24	06/20/24	
Dil Range Organics (C28-C36)	ND	50.0	1	06/20/24	06/20/24	
urrogate: n-Nonane		99.6 %	50-200	06/20/24	06/20/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analy	/st: DT		Batch: 2425083
Chloride	ND	20.0	1	06/20/24	06/20/24	



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Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247	Project Nam Project Num Project Mana	ber: 220	5 A 05 (Govern 93-0001 Gomez	nment G)		Reported: 6/21/2024 2:46:25PM
		CSW12				
		E406177-12				
		Reporting				
Analyte	Result	Limit	Dilutio	n Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	An	alyst: 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	
p-Xylene	ND	0.0250	1	06/20/24	06/20/24	
o,m-Xylene	ND	0.0500	1	06/20/24	06/20/24	
Fotal 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	An	alyst: 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	An	alyst: KM	Batch: 2425079	
Diesel Range Organics (C10-C28)	ND	25.0	1	06/20/24	06/20/24	
Dil 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	An	alyst: DT		Batch: 2425083
Chloride	ND	20.0	1	06/20/24	06/20/24	



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Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247	Project Name Project Num Project Mana	ber: 220	5 A 05 (Governn 93-0001 Gomez	nent G)		Reported: 6/21/2024 2:46:25PM
		CSW13				
		E406177-13				
		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Anal	yst: 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	
p-Xylene	ND	0.0250	1	06/20/24	06/20/24	
o,m-Xylene	ND	0.0500	1	06/20/24	06/20/24	
Fotal Xylenes	ND	0.0250	1	06/20/24	06/20/24	
urrogate: 4-Bromochlorobenzene-PID		93.8 %	70-130	06/20/24	06/20/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Anal	yst: IY		Batch: 2425076
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/20/24	06/20/24	
urrogate: 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	Anal	yst: KM	Batch: 2425079	
Diesel Range Organics (C10-C28)	ND	25.0	1	06/20/24	06/20/24	
Dil 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	Anal	yst: DT		Batch: 2425083
Chloride	ND	20.0	1	06/20/24	06/20/24	



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Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247	Project Name: Project Numb Project Manag	er: 220	5 A 05 (Governm 93-0001 Gomez	ent G)		Reported: 6/21/2024 2:46:25PM
		CSW14				
		E406177-14				
		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analy	st: 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	
p-Xylene	ND	0.0250	1	06/20/24	06/20/24	
o,m-Xylene	ND	0.0500	1	06/20/24	06/20/24	
Fotal 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	Analy	st: 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	Analy	Analyst: KM		
Diesel Range Organics (C10-C28)	ND	25.0	1	06/20/24	06/20/24	
Dil 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	Analy	st: DT		Batch: 2425083
Chloride	ND	20.0	1	06/20/24	06/20/24	



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Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247	Project Name Project Numb Project Manag	per: 220	5 A 05 (Gove 93-0001 Gomez	ernment G)		Reported: 6/21/2024 2:46:25PM
		CSW15				
		E406177-15				
		Reporting				
Analyte	Result	Limit	Diluti	on Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	А	nalyst: IY		Batch: 2425076
Benzene	ND	0.0250	1	06/20/24	06/20/24	
Ithylbenzene	ND	0.0250	1	06/20/24	06/20/24	
oluene	ND	0.0250	1	06/20/24	06/20/24	
-Xylene	ND	0.0250	1	06/20/24	06/20/24	
o,m-Xylene	ND	0.0500	1	06/20/24	06/20/24	
Total Xylenes	ND	0.0250	1	06/20/24	06/20/24	
urrogate: 4-Bromochlorobenzene-PID		94.0 %	70-130	06/20/24	06/20/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	А	nalyst: IY		Batch: 2425076
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/20/24	06/20/24	
urrogate: 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	А	nalyst: KM		Batch: 2425079
Diesel Range Organics (C10-C28)	ND	25.0	1	06/20/24	06/20/24	
Dil Range Organics (C28-C36)	ND	50.0	1	06/20/24	06/20/24	
urrogate: n-Nonane		109 %	50-200	06/20/24	06/20/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	А	.nalyst: DT		Batch: 2425083
Chloride	ND	20.0	1	06/20/24	06/20/24	



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Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247	Project Name Project Num Project Mana	ber: 220	5 A 05 (Governm 93-0001 Gomez	nent G)		Reported: 6/21/2024 2:46:25PM
		CSW16				
		E406177-16				
		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Anal	yst: 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	
-Xylene	ND	0.0250	1	06/20/24	06/20/24	
o,m-Xylene	ND	0.0500	1	06/20/24	06/20/24	
Total Xylenes	ND	0.0250	1	06/20/24	06/20/24	
urrogate: 4-Bromochlorobenzene-PID		94.1 %	70-130	06/20/24	06/20/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Anal	Analyst: IY		Batch: 2425076
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/20/24	06/20/24	
urrogate: 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	Anal	yst: KM		Batch: 2425079
Diesel Range Organics (C10-C28)	ND	25.0	1	06/20/24	06/20/24	
Dil 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	Anal	yst: DT		Batch: 2425083
Chloride	ND	20.0	1	06/20/24	06/20/24	



	50	ampic D	ala			
Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247	Project Name: Project Numbe Project Manag	er: 220	5 A 05 (Governm 93-0001 Gomez	ent G)		Reported: 6/21/2024 2:46:25PM
		CSW17				
		E406177-17				
		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analy	st: 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	
p-Xylene	ND	0.0250	1	06/20/24	06/20/24	
o,m-Xylene	ND	0.0500	1	06/20/24	06/20/24	
Fotal 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	Analy	st: 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	g Analyst: KM			Batch: 2425079
Diesel Range Organics (C10-C28)	ND	25.0	1	06/20/24	06/20/24	
Dil 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	Analy	st: DT		Batch: 2425083
Chloride	ND	20.0	1	06/20/24	06/20/24	



	5	ampic D	ala			
Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247	Project Name Project Numb Project Mana	ber: 220	5 A 05 (Governn 93-0001 Gomez	nent G)		Reported: 6/21/2024 2:46:25PM
		CSW18				
		E406177-18				
		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analy	/st: 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	
p-Xylene	ND	0.0250	1	06/20/24	06/20/24	
o,m-Xylene	ND	0.0500	1	06/20/24	06/20/24	
Fotal 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	Analy	/st: 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	Analy	Batch: 2425079		
Diesel Range Organics (C10-C28)	ND	25.0	1	06/20/24	06/20/24	
Dil 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	Analy	/st: DT		Batch: 2425083
Chloride	ND	20.0	1	06/20/24	06/20/24	



	5	ampic D	ala			
Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247	Project Name Project Numl Project Mana	ber: 220	5 A 05 (Governm 93-0001 Gomez	ent G)		Reported: 6/21/2024 2:46:25PM
		CSW19				
		E406177-19				
		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analy	st: 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	
o,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	Analy	st: IY		Batch: 2425076
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/20/24	06/20/24	
urrogate: 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	Analy	st: KM		Batch: 2425079
Diesel Range Organics (C10-C28)	ND	25.0	1	06/20/24	06/20/24	
Dil 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	Analy	st: DT		Batch: 2425083
Chloride	ND	20.0	1	06/20/24	06/20/24	



	D	ampic D	ala			
Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247	Project Name Project Numl Project Mana	ber: 220	5 A 05 (Governr 93-0001 Gomez	ment G)		Reported: 6/21/2024 2:46:25PM
		CSW20				
		E406177-20				
		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Anal	yst: 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	
p-Xylene	ND	0.0250	1	06/20/24	06/20/24	
o,m-Xylene	ND	0.0500	1	06/20/24	06/20/24	
Fotal 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	Anal	yst: 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	Anal	yst: KM	Batch: 2425079	
Diesel Range Organics (C10-C28)	ND	25.0	1	06/20/24	06/20/24	
Dil 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	Anal	yst: DT		Batch: 2425083
Chloride	ND	20.0	1	06/20/24	06/20/24	



Sample Data

	2	ampic D					
Pima Environmental Services-Carlsbad PO Box 247	Project Name Project Numb		5 A 05 (Go 93-0001		Reported:		
Plains TX, 79355-0247	Project Manag		Gomez				6/21/2024 2:46:25PM
		CSW21					
		E406177-21					
		Reporting					
Analyte	Result	Limit	Dil	ution	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	
p-Xylene	ND	0.0250		1	06/18/24	06/20/24	
o,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	
Dil 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

	D	ample D	uu				
Pima Environmental Services-Carlsbad	Project Name		5 A 05 (Go	vernmer	nt G)		
PO Box 247	Project Numb		93-0001				Reported:
Plains TX, 79355-0247	Project Mana	ger: Gio	Gomez				6/21/2024 2:46:25PM
		CSW22					
		E406177-22					
		Reporting					
Analyte	Result	Limit	Di	lution	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	
o,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	
Dil 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

		ampie D					
Pima Environmental Services-Carlsbad PO Box 247	Project Name: Project Number		5 A 05 (Go 93-0001	overnmei	nt G)		Reported:
Plains TX, 79355-0247	Project Manag		Gomez		6/21/2024 2:46:25PM		
		CSW23					
		E406177-23					
		Reporting					
Analyte	Result	Limit	Di	lution	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	
p-Xylene	ND	0.0250		1	06/18/24	06/20/24	
o,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	
Dil 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

	~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~	ample D					
Pima Environmental Services-Carlsbad PO Box 247	Project Name Project Numb		5 A 05 (Go 93-0001	vernmer	nt G)		Reported:
Plains TX, 79355-0247	Project Mana	Gomez				6/21/2024 2:46:25PM	
		CSW24					
		E406177-24					
		Reporting					
Analyte	Result	Limit	Dil	ution	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	
p-Xylene	ND	0.0250		1	06/18/24	06/20/24	
o,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	
Dil 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	



	5	ampic D	ala			
Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247	Project Name Project Numb Project Manaş	er: 2209	5 A 05 (Governm 93-0001 Gomez	<b>Reported:</b> 6/21/2024 2:46:25PM		
		CSW25				
		E406177-25				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analys	st: 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	
p-Xylene	ND	0.0250	1	06/20/24	06/20/24	
o,m-Xylene	ND	0.0500	1	06/20/24	06/20/24	
Fotal 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	Analys	st: 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	Analys	st: KM		Batch: 2425080
Diesel Range Organics (C10-C28)	ND	25.0	1	06/20/24	06/20/24	
Dil 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	Analys	st: DT		Batch: 2425077
Chloride	ND	20.0	1	06/20/24	06/20/24	



	5	ampic D	ala			
Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247	Project Name Project Numb Project Mana	per: 220	5 A 05 (Governm 93-0001 Gomez	nent G)		<b>Reported:</b> 6/21/2024 2:46:25PM
		CSW26				
		E406177-26				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analy	st: 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	
p-Xylene	ND	0.0250	1	06/20/24	06/20/24	
o,m-Xylene	ND	0.0500	1	06/20/24	06/20/24	
Fotal 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	Analy	rst: 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	Analy	vst: KM		Batch: 2425080
Diesel Range Organics (C10-C28)	ND	25.0	1	06/20/24	06/20/24	
Dil 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	Analy	rst: DT		Batch: 2425077
Chloride	ND	20.0	1	06/20/24	06/20/24	



# **QC Summary Data**

				iry Data	a				
Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247		Project Name: Project Number: Project Manager:	22	005 A 05 (Gov 2093-0001 io Gomez	vernment G)			(	<b>Reported:</b> 5/21/2024 2:46:25PM
		Volatile Organic	Compo	unds by EI	PA 8260B				Analyst: IY
		, onache of game	compo	•					Analyst: 11
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
Blank (2425047-BLK1)							Prepared: 0	6/19/24 Ar	alyzed: 06/20/24
Benzene	ND	0.0250							
Ethylbenzene	ND	0.0250							
Toluene	ND	0.0250							
p-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: 1,2-Dicnioroetnane-a4 Surrogate: Toluene-d8	0.444		0.500		106	70-130			
-	0.520						_		
LCS (2425047-BS1)							Prepared: 0	6/19/24 An	alyzed: 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			
p-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	7	Prepared: 0	6/19/24 Ar	alyzed: 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			
p-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	7	Prepared: 0	6/19/24 Ar	alyzed: 06/20/24
Matrix Spike Dup (2425047-MSD1)			2.50	ND	91.9	48-131	2.42	23	
Benzene	2.30	0.0250	2.50	нъ					
	2.30 2.45	0.0250 0.0250	2.50	ND	98.0	45-135	2.25	27	
Benzene						45-135 48-130	2.25 1.80	27 24	
Benzene Ethylbenzene	2.45	0.0250	2.50	ND	98.0				
Benzene Ethylbenzene Toluene	2.45 2.41	0.0250 0.0250	2.50 2.50	ND ND	98.0 96.5	48-130	1.80	24	
Benzene Ethylbenzene Toluene p-Xylene	2.45 2.41 2.58	0.0250 0.0250 0.0250	2.50 2.50 2.50	ND ND ND	98.0 96.5 103	48-130 43-135	1.80 1.40	24 27	
Benzene Ethylbenzene Toluene o-Xylene p,m-Xylene Total Xylenes	2.45 2.41 2.58 5.17	0.0250 0.0250 0.0250 0.0500	2.50 2.50 2.50 5.00	ND ND ND ND	98.0 96.5 103 103	48-130 43-135 43-135	1.80 1.40 1.62	24 27 27	
Benzene Ethylbenzene Toluene o-Xylene p,m-Xylene	2.45 2.41 2.58 5.17 7.75	0.0250 0.0250 0.0250 0.0500	2.50 2.50 2.50 5.00 7.50	ND ND ND ND	98.0 96.5 103 103 103	48-130 43-135 43-135 43-135	1.80 1.40 1.62	24 27 27	



# **QC Summary Data**

		QC D	u 1111110	ary Dut	u				
Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247		Project Name: Project Number: Project Manager:	22	005 A 05 (Gov 2093-0001 iio Gomez	vernment G	)			<b>Reported:</b> 6/21/2024 2:46:25PM
,		, 0		by EPA 802	21B				Analyst: IY
Analyte		Reporting	Spike	Source		Rec		RPD	-
Analyte	Result	Limit	Level	Result	Rec	Limits	RPD	Limit	
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
Blank (2425076-BLK1)							Prepared: 0	6/20/24 A	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: 0	6/20/24 A	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:	E406177-1	10	Prepared: 0	6/20/24 A	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			
p-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:	E406177-1	10	Prepared: 0	6/20/24 A	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**

		<u> </u>		ary Dut					
Pima Environmental Services-Carlsbad PO Box 247		Project Name: Project Number:		2005 A 05 (Gov 22093-0001	vernment G	i)			Reported:
Plains TX, 79355-0247		Project Manager:	C	Gio Gomez					6/21/2024 2:46:25PM
		Volatile O	rganics	by EPA 802	21B				Analyst: IY
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
Blank (2425082-BLK1)							Prepared: 0	6/20/24 A	nalyzed: 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: 0	6/20/24 A	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			
p-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: 0	6/20/24 A	nalyzed: 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			
p-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: 0	6/20/24 A	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	
p-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**

Nonhalogenated Organics by EA 8015D - GRO         Analyst: IY           Analyte         Reporting mgkg         Spike mgkg         Source mgkg         Rec mgkg         Rec mgkg         Mailyst: IY           Analyte         Result mgkg         Reporting mgkg         Spike mgkg         Source mgkg         Rec mgkg         Rec mgkg         Rec mgkg         Rec mgkg         Notes         RPD binnit         RPD			$\chi \in \mathbb{R}$							
Analyte         Reporting limit mg/kg         Spik kmg/kg         Source mg/kg         Rec mg/kg         Rec mg/kg         Rec kmg/kg         Rec kmg/kg <t< th=""><th>PO Box 247</th><th></th><th>Project Number:</th><th>22</th><th>2093-0001</th><th>ernment G)</th><th></th><th></th><th></th><th><b>Reported:</b> 6/21/2024 2:46:25PM</th></t<>	PO Box 247		Project Number:	22	2093-0001	ernment G)				<b>Reported:</b> 6/21/2024 2:46:25PM
Analyte         Result mg/kg         Limit mg/kg         Level mg/kg         Result mg/kg         Result mg/kg <thresult mg/kg         Result mg/kg</thresult 		N	onhalogenated O	Organics	by EPA 80	15D - GR	0			Analyst: IY
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: I.2-Dichlorochtane-d4         0.444         0.500         88.7         70-130           Surrogate: I.2-Dichlorochtane-d4         0.444         0.500         88.7         70-130           Surrogate: I.2-Dichlorochtane-d4         0.444         0.500         106         70-130           Surrogate: I.2-Dichlorochtane-d4         0.414         0.500         113         70-130           Surrogate: Toluene-d8         0.522         0.500         114         70-130           Surrogate: Toluene-d8         0.522         0.500         104         70-130           Surrogate: Toluene-d8         0.522         0.500         104         70-130           Surrogate: Toluene-d8         0.522         0.500         104         70-130           Surrogate: Toluene-d8         0.522         0.500         ND         115         70-130           Surrogate: Toluene-d8         0.528         0.500         ND         115         70-130           Surrogate: Toluene-d8         0.528         0.500	Analyte	Result		•		Rec		RPD		
Baseline 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: 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: Toluene-d8         0.522         0.500         104         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: Toluene-d8         0.528         0.500         116         70-130         70-130		mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
Barry and serious (Certer)         Data           Surrogate: Bromofluoroberzene         0.562         0.500         1/2         70-130           Surrogate: I.2-Dichloroethane-d4         0.444         0.500         88.7         70-130           Surrogate: I.12-Dichloroethane-d4         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: I.2-Dichloroethane-d4         0.461         0.500         114         70-130           Surrogate: I.2-Dichloroethane-d4         0.461         0.500         92.1         70-130           Surrogate: I.2-Dichloroethane-d4         0.476         0.500         ND         115         70-130           Surrogate: I.2-Dichloroethane-d4         0.476         0.500         ND         15         70-130	Blank (2425047-BLK1)							Prepared: 0	6/19/24	Analyzed: 06/20/24
Margan         Mark         <	Gasoline Range Organics (C6-C10)	ND	20.0							
Name and state	Surrogate: Bromofluorobenzene	0.562		0.500		112	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: 1.2-Dichloroethane-d4       0.461       0.500       92.1       70-130         Surrogate: Tohuene-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: J.2-Dichloroethane-d4       0.476       0.500       ND       115       70-130         Surrogate: J.2-Dichloroethane-d4       0.579       0.500       ND       115       70-130         Surrogate: J.2-Dichloroethane-d4       0.476       0.500       95.2       70-130       70-130         Surrogate: J.2-Dichloroethane-d4       0.476       0.500       95.2       70-130       70-130         Surrogate: Tohuene-d8       0.528       0.500       106       70-130       70-130         Surrogate: Tohuene-d8       0.528       0.500       106       70-130       2.65       20         Surrogate: Bromofluorobenzene       0.570       0.	Surrogate: 1,2-Dichloroethane-d4	0.444		0.500		88.7	70-130			
Source:       E406163-07       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         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:       1/2-Dichloroethane-d4       0.476       0.500       116       70-130         Surrogate:       1/2-Dichloroethane-d4       0.476       0.500       95.2       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         Surrogate:       Toluene-d8       0.520       0.500       ND       112       70-130         Surrogate:       Toluene-d8       0.520	Surrogate: Toluene-d8	0.528		0.500		106	70-130			
Analytic (12 - 10)       0.571       0.500       114       70-130         Surrogate: Bromofluorobenzene       0.571       0.500       92.1       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: 1,2-Dichloroethane-d4       0.476       0.500       95.2       70-130	LCS (2425047-BS2)							Prepared: 0	6/19/24	Analyzed: 06/20/24
Surrogate: 1,2-Dichloroethane-d4       0.461       0.500       92.1       70-130         Surrogate: 70luene-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 Organies (C6-C10)       57.6       20.0       50.0       ND       115       70-130         Surrogate: 1,2-Dichloroethane-d4       0.476       0.500       116       70-130       115       116       116         Surrogate: Toluene-d8       0.528       0.500       116       70-130       116       106       116       106       106       106       106       106       106       106       106       106       106       106       106       106       106       106       106       106       106       106       106       106       106       106       106       106       106       106       106       106       106       106       106       106       106       106       106       106       106       106       106       106       106       106       106       106       106       106       106       106       106       106       106       106<	Gasoline Range Organics (C6-C10)	56.4	20.0	50.0		113	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: Bromofluorobenzene	0.571		0.500		114	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         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         Surrogate: Bromofluorobenzene       0.570       0.500       114       70-130       2.65       20         Surrogate: I,2-Dichloroethane-d4       0.460       0.500       91.9       70-130       2.65       20	Surrogate: 1,2-Dichloroethane-d4	0.461		0.500		92.1	70-130			
A       V       V       V       V       V       V       V       V       V       V       V       V       V       V       V       V       V       V       V       V       V       V       V       V       V       V       V       V       V       V       V       V       V       V       V       V       V       V       V       V       V       V       V       V       V       V       V       V       V       V       V       V       V       V       V       V       V       V       V       V       V       V       V       V       V       V       V       V       V       V       V       V       V       V       V       V       V       V       V       V       V       V       V       V       V       V       V       V       V       V       V       V       V       V       V       V       V       V       V       V       V       V       V       V       V       V       V       V       V       V       V       V       V       V       V <thv< th=""> <thv< th=""> <thv< th=""></thv<></thv<></thv<>	Surrogate: Toluene-d8	0.522		0.500		104	70-130			
Surrogate: Bromofluorobenzene       0.579       0.500       116       70-130         Surrogate: I,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)       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: 1,2-Dichloroethane-d4       0.460       0.500       91.9       70-130       2.65       20	Matrix Spike (2425047-MS2)				Source:	E406163-0	7	Prepared: 0	6/19/24	Analyzed: 06/20/24
Surrogate: 1,2-Dichloroethane-d4       0.476       0.500       95.2       70-130         Surrogate: 7.2-Dichloroethane-d4       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: 1,2-Dichloroethane-d4       0.460       0.500       91.9       70-130       2.65       20	Gasoline Range Organics (C6-C10)	57.6	20.0	50.0	ND	115	70-130			
Surrogate: Toluene-d8       0.528       0.500       106       70-130         Matrix Spike Dup (2425047-MSD2)       Source: E406163-07       Prepared: 0/19/24       Analyzed: 0/20/24         Gasoline Range Organics (C6-C10)       56.1       20.0       50.0       ND       112       70-130       2.65       20         Surrogate: 1/2-Dichloroethane-d4       0.460       0.500       91.9       70-130	Surrogate: Bromofluorobenzene	0.579		0.500		116	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         2.65         20           Surrogate: 1,2-Dichloroethane-d4         0.460         0.500         91.9         70-130         2.65         20	Surrogate: 1,2-Dichloroethane-d4	0.476		0.500		95.2	70-130			
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         2.65         20           Surrogate: 1,2-Dichloroethane-d4         0.460         0.500         91.9         70-130         2.65         20	Surrogate: Toluene-d8	0.528		0.500		106	70-130			
Surrogate: Bromofluorobenzene         0.570         0.500         114         70-130           Surrogate: 1,2-Dichloroethane-d4         0.460         0.500         91.9         70-130	Matrix Spike Dup (2425047-MSD2)				Source:	E406163-0	7	Prepared: 0	6/19/24	Analyzed: 06/20/24
Surrogate: 1,2-Dichloroethane-d4 0.460 0.500 91.9 70-130	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: Toluene-d8 0.529 0.500 106 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**

		$\mathbf{t} \in \mathbf{v}$		ary Date	•				
Pima Environmental Services-Carlsbad PO Box 247		Project Name: Project Number:	2	2005 A 05 (Gov 22093-0001	ernment C	i)			Reported:
Plains TX, 79355-0247		Project Manager:	(	Gio Gomez					6/21/2024 2:46:25PM
	No	nhalogenated C	Organics	s by EPA 801	1 <b>5D - G</b> 1	RO			Analyst: IY
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
Blank (2425076-BLK1)							Prepared: 0	6/20/24 A	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: 0	6/20/24 A	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: 0	6/20/24 A	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: 0	6/20/24 A	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**

		$\mathbf{x} \in \mathbf{v}$		•					
Pima Environmental Services-Carlsbad PO Box 247		Project Name: Project Number:		2005 A 05 (Gov 22093-0001	ernment C	i)			Reported:
Plains TX, 79355-0247		Project Manager:		Gio Gomez					6/21/2024 2:46:25PM
	No	onhalogenated (	Organic	s by EPA 80	15D - G	RO			Analyst: IY
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
Blank (2425082-BLK1)							Prepared: 0	6/20/24 A	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: 0	6/20/24 A	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: 0	6/20/24 A	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: 0	6/20/24 A	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**

ernment G	Ĵ)			<b>Reported:</b> 6/21/2024 2:46:25PM
) - DRO	/ORO			Analyst: KM
Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
		Prepared: 0	6/20/24	Analyzed: 06/20/24
94.4	50-200			
		Prepared: 0	6/20/24	Analyzed: 06/20/24
116	38-132			
108	50-200			
E406177-	07	Prepared: 0	6/20/24	Analyzed: 06/20/24
115	38-132			
102	50-200			
E406177-	07	Prepared: 0	6/20/24	Analyzed: 06/20/24
115	38-132	0.0328	20	
	D - DRO Rec % 94.4 116 108 E406177- 115 102 E406177-	Rec         Limits           %         %           94.4         50-200           116         38-132           108         50-200           E406177-07         115           115         38-132           102         50-200	D - DRO/ORO         Rec       Rec         Rec       Limits         %       %         %       %         %       %         %       %         %       %         %       %         %       %         %       %         %       %         %       %         %       %         %       %         %       %         %       %         %       %         %       %         %       %         %       %         %       %         %       %         %       %         %       %         %       %         %       %         %       %         %       %         %       %         %       %         %       %         %       %         %       %         %       %         %       %         %       %         %       %         <	D - DRO/ORO       Rec       RPD         Rec       Limits       RPD       Limit         %       %       %       %         %       %       %       %         %       %       %       %         %       %       %       %         %       %       %       %         %       %       %       %         %       %       %       %         %       %       %       %         %       %       %       %         %       %       %       %         %       %       %       %         %       %       %       %         %       %       %       %         %       %       %       %         %       %       %       %         %       %       %       %         %       %       %       %         %       %       %       %         %       %       %       %         %       %       %       %         %       %       %       %      %



# **QC Summary Data**

		$\chi \circ \sim$		ury Dut								
Pima Environmental Services-Carlsbad PO Box 247		Project Name: Project Number:		2005 A 05 (Gov 22093-0001	ernment C	i)			Reported:			
Plains TX, 79355-0247		Project Manager:		Gio Gomez					6/21/2024 2:46:25PM			
	Nonh	Nonhalogenated Organics by EPA 8015D - DRO/ORO Analyst: KM										
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit				
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes			
Blank (2425080-BLK1)							Prepared: 0	6/20/24 A	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: 0	6/20/24 A	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: 0	6/20/24 A	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: 0	6/20/24 A	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 PO Box 247 Plains TX, 79355-0247		Project Name: Project Number: Project Manager:	2	2005 A 05 (Gov 22093-0001 Gio Gomez	ernment G	r)			<b>Reported:</b> 6/21/2024 2:46:25	PM
		Anions	by EPA	300.0/9056	4				Analyst: DT	
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit		
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes	
Blank (2425077-BLK1)							Prepared: 0	6/20/24	Analyzed: 06/20/24	
Chloride	ND	20.0								
LCS (2425077-BS1)							Prepared: 0	6/20/24	Analyzed: 06/20/24	
Chloride	254	20.0	250		102	90-110				
Matrix Spike (2425077-MS1)				Source:	E406177-2	22	Prepared: 0	6/20/24	Analyzed: 06/20/24	
Chloride	260	20.0	250	ND	104	80-120				
Matrix Spike Dup (2425077-MSD1)				Source:	E406177-2	22	Prepared: 0	6/20/24	Analyzed: 06/20/24	
Chloride	261	20.0	250	ND	104	80-120	0.0668	20		



# **QC Summary Data**

Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247		Project Name: Project Number: Project Manager:	2	2005 A 05 (Gov 22093-0001 Gio Gomez	ernment G	)			<b>Reported:</b> 6/21/2024 2:46:251	PM
`		Anions	by EPA	<b>300.0/9056</b> A	1				Analyst: JM	
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit		
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes	
Blank (2425083-BLK1)							Prepared: 0	6/20/24	Analyzed: 06/20/24	
Chloride	ND	20.0								
LCS (2425083-BS1)							Prepared: 0	6/20/24	Analyzed: 06/20/24	
Chloride	248	20.0	250		99.3	90-110				
Matrix Spike (2425083-MS1)				Source:	E406177-(	7	Prepared: 0	6/20/24	Analyzed: 06/20/24	
Chloride	254	20.0	250	ND	102	80-120				
Matrix Spike Dup (2425083-MSD1)				Source:	E406177-(	7	Prepared: 0	6/20/24	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.



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 reportir	g 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.



Released to Imaging: 7/2/2024 11:39:18 AM

Client: P	ima Envi 2005 A	ronment	tal Servi	ces	Attention: ArmStrong		Lab Use Only Lab WO# UJob Number E 406177 - 01 2209 3-000							2D	TAT 3D	Standard	EPA PI	ogram SDWA
Project N	lanager:	Gio Gor	nez		Address:		E	06	77-	9	220	93-0001	1D X	20	50 .	Junuara	curr	
	5614 N. e, Zip Ho				City, State, Zip Phone:				-	A	Analy	sis and Metho	1			-		RCRA
Phone:	306-782-	1151			Email:		115	015									State	
mail: Report d	gio@pim ue bv:	aoil.com	1		Pima Project # 19-17		D by 8(	0 by 8(	8021	260	010	300.0	WN	¥		NM 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	BGDOC			Remarks	
8:16	6/14	5	1	CSW 1		1							X					
8:21	Ì	1	1	CSWZ		2							1					
8:33				CSW3		3												
8:41				CSWY.		Ч										1		
8:56				CSWS		5												
9:10				CSW6		6												
9:17				CSWT		7												
7:20				CSW8		8												
1:31				CSU19		9												
7:35			1	CSWID		10				4						-		
Addition	al Instruct	tions:			Bill to Arms	trong	7											
		the strength of		a de la construcción de la const	am aware that tampering with or intentionally misla			ion,				es requiring thermal d in ice at an avg tem						led or receive
date or time of collection is considered fraud and may be grounds for legal action.           Relinquished by:         Sampled by:           Cari Ale Adame         Date           Lari Ale Adame         Lari B 2477340							. 24	Time 2	41	2	Roc	eived on ice:		ab Us	e Only		-	
_	d by: (Signa		Date	2.1824 15	Date 6.19	1.20	Time	641		T1	cived on lee.	T2			T3			
elinquishe	d by: (Signa	1001	o G	Time	HS Received by: (Signature)	Date		Time	AVG Temp °C									
ample Matr	x: S - Soil, Sd			Aqueous, O - Other	- propping fich	Containe	er Typ	e: g -				lastic, ag - amb	er gla	55, V -	VOA		and and	

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Project	Information
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Released to Imaging: 7/2/2024 11:39:18 AM

Client: Pima Project: 200 Project Mana Address: 56	05 A	t OS (	(Goupr	a mart G	A Bill To															rogram
Address: 56		01 0	010001	ninen cij	Attention: HTMSH	rony	Lab	WO#			Job N			1D	2D	3D	Standard		CWA	SDWA
	ager: 0	GIO GO	nez		Address:		EH	06	177	i i			d Metho				- 12			RCRA
City, State, Zi					City, State, Zip Phone:				-			sis an			-		-			nchA
Phone: 806			002-	<u> </u>	Email:		15	5	m,				1.1						State	
Email: gio(		aoil.com	1			17	y 80	by 8015	21	0		0.0		WN					UT AZ	TX
Report due b					Pima Project #  Q -		RO b	ROb	y 80:	y 826	601	Je 30			¥		-	X		
	Date ampled	Matrix	No. of Containers	Sample ID		Lab Number	DRO/ORO by 8015	GRO/DRO t	BTEX by 8021	VOC by 8260	Metals 6010	Chloride 300.0	-	BGDOC	BGDOC				Remarks	
9:41 6	>/14	3	1	(SWI		11								X						
9:53 1	)		1	CSW12	-	12														
10:11				CSW B		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		-	1	CSWZO		20														
Additional In						rmstranc														
				ticity of this sample. I am may be grounds for legal	aware that tampering with or intentional action. Sampled by:	lly mislabelling the sampl	é locati	ion,					ring thermal at an avg terr							lled or received
Relinquished by	y: (Signat	ture) Came	Qat	5.18.24 13	C Received by: (Signature)	Date	.24	Time	34	10	Rece	eivec	l on ice:		ab U	se Or I	nly			
Relinguished by	Ch		Dat	·18.24 TIME 50	90 Received by: (Signature)											I	3			
Relinquished by	y: (Signat	H QCo	Date	19.24 Time	Received by: (Signature)	Date	-24	Time	500	0	AVG Temp °C									
				Aqueous, O - Other									, ag - aml							
					ess other arrangements are made. H tory with this COC. The liability of the									ent exp	pense.	The	report fo	or the ana	alysis of the	above

Page _____ of ____

<b>Project Inform</b>	mation
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Released to Imaging: 7/2/2024 11:39:18 AM

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	-	Lab	WO#			Job N		ər	110	20	201	Standard		rogram
Address: 5614 N. Lovington Hwy. City, State, Zip						Contraction of the local distance of the loc			1D 2D 3D		30	Standard	CWA	SDWA
	1000 C C C C C C C C C C C C C C C C C C	E	104	171		220	93-	000	X			1		DCDA
		-	-		-	Analys	sis and	Metho	d	-		- Carlora		RCRA
		5											State	
Email: gio@pimaoil.com		8015	8015				0			0.1		NMI CO	UT AZ	TX
Report due by:		O by	0 by	802.	8260	010	300		MN	¥		X		
Time Date Matrix No. of Containers Sampled Date Sampled Date Sampled Date Sampled Date Date Date Date Date Date Date Date	Lab Number	DRO/ORO by	GRO/DRO by	BTEX by 8021	VOC by 8260	Metals 6010	Chloride 300.0		BGDOC	BGDOC			Remarks	
10:59 6/14 S 1 CSW Z1	21								X					
$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	22				-									
11:16 CSW23	23													
11:20 CSWZY	24								4					
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			-						1					
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		1	-	1				-	1	1				
	-	-			-				+	-				
Additional Instructions: Dill in August	1	1		<u> </u>	<u> </u>				-	1				
, (field sampler), attest to the validity and authenticity of this sample. I am aware that tampering with or intentionally mislabe		e locati	ion,									eived on ice the day °C on subsequent d		led or received
date or time of collection is considered fraud and may be grounds for legal action.  Sampled by:	1		Terr			packeo	in ice at	an avg ten	0.1				ays.	
Relinquished by: (Signature) Date 8.24 Time Received by (Signature)	10.16	124	T.	34	D	Rece	eived	on ice:			se On I	iy		
Relinquished by: (Signature) Date 8.24 Time Received by: (Signature)	Date 6.19	.14	11me	45		T1			<u>T2</u>	_		<u>T3</u>		
Relinquished by: (Signature) Date Time Received by: (Signature) Condition 19.24 2245	Date 10-20-	-24	Time	517	0	AVG	Tem	o°c	4					
ample Matrix: S - Soil, Sd - Solid, Sg - Sludge, A - Aqueous, O - Other	Containe			glass,	p-p				per gla	ISS, V	VOA			
Note: Samples are discarded 30 days after results are reported unless other arrangements are made. Hazardous amples is applicable only to those samples received by the laboratory with this COC. The liability of the laborato	s samples wil	l be re	turne	d to cli	ient o	r dispo	sed of					eport for the ar	alysis of the	above

Page <u>3 of 3</u>

Released to Imaging: 7/2/2024 11:39:18 AM

## Chain of Custody

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Client: Pima Environmental Services									-	La	ab Us	e On	ly		Т		T	AT		EPA Pr	ogram	by O
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		obbs. NI		)	and the second se	hone:										T	T				nena	/20
Phone: 8	306-782	-1151			Er	mail:		115	115						1			t		State		24
A second s		naoil.con	<u>1</u>		P	Pima Project # 19-17		by 80	by 80	121	60	0	0.00		WN				NM CO	UT AZ	TX	10:
Report d	Date	T	T		<u> </u>		DRO/ORO by 8015	GRO/DRO by 8015	by 8(	oy 82	ls 60:	ide 3						X			16:	
Sampled	Sampled	Matrix	No. of Containers	Sample ID	ple ID Lab Number					BTEX by 8021	VOC by 8260	Metals 6010	Chloride 300.0		BGDOC	BGDOC				Remarks		7/1/2024 10:16:47 AM
8:16	614	5	1	CSWI			1								X							M
8:21				CSWZ	-		2								1			1	1.00			
8:33				CSWE	3		3															
8:41				CSWY			4															
8:56				CSWS	-		5															of 49
9:10				CSWb			6															4
9:17				CSWT			7															Page
9:20				CSW8			8												1.195			
9:31				CSUJ9			9									-						
9:35		-	1	CSWIL	5		10															
Addition	al Instru	ictions:				Bill to Arms-	trong	7														
A DESCRIPTION OF A DESC						re that tampering with or intentionally mislabel	1	_	ion,			1							on ice the day subsequent d	they are sample	ed or received	1
date or time Relinquish			ed fraud and	may be grounds for I	legal actio		Date		Time			раске	ia in ice	at an avg t	emp abo		Use O	- and	subsequent a	ays.		
	ide A	dame	Dat	18:24 1	340	Received by: (Signature)	0.18	24	12	541	0	Rec	eive	d on ice	e:	Y/		iny				
	KA	1-		0.18241	500	endrer Musie	6.10	1.20			5	<u>T1</u>			_ <u>T</u>	2			<u>T3</u>			
1 ctn	m	nature) Mek	90 6	.19.24 2	145	Received by: (Signature)	Date	-24	Time	500	D	AV	G Ter	np °C_	4							-
				Aqueous, O - Other _			Contain															
				received by the lal	boratory	other arrangements are made. Hazardous with this COC. The liability of the laborato	ry is limited	to the	amou	int pai	id for a	on the	repor	t.	client e	xpens	e. The	report	t for the an	alysis of the	above	co
Contraction of the second	and the second sec	s wer		evd/Re	1.6	y counter Carrie	-Ann	e	on	6	119	12	4,1	nco	we	-ct	de	te		h		1
						with this COC. The liability of the laborato					(	L	3	e	1	V		1	01	[ e	CI	10
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Chain of Custody

Client: P	ima Envi	ronment	al Servi	ces	Bill To		022		La	b Us	e Onl	y		Γ		TA	the second se	EPA P	rogram
Project: 2005 A OS (Government G) Attention: HTMStrong Project Manager: Gio Gomez Address:								WO#			Job N			1D	2D	3D	Standard	CWA	SDWA
Address:					Address: City, State, Zip		EH	0101	177				d Metho	1X			NA STORE		RCRA
City, Stat					Phone:		-		-	Í	Analys	and and			-		- And		IICIA
Phone: 8					Email:		15	51										State	
Email: 9			1				y 8015	y 8015	1	0		0.0		5			NM CO	UT AZ	TX
Report d	ue by:	-			Pima Project #  Q - 17	-	ROb	ROb	y 80.	/ 826	6010	ie 30		MN	¥		X		
Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID		Lab Number	DRO/ORO by	GRO/DRO by	BTEX by 8021	VOC by 8260	Metals 6010	Chloride 300.0		BGDOC	BGDOC			Remarks	-
9:41	6/14	9		(SWI		11								Y					
9:53	)		1	CSWIZ	-	12													
10:11				CSWB		13													
10:20				CSW14		14			12										
10:25				CSW15		15													
10:31				CSW16		16													-
10:37				CSW17		17													
10:39				C5W18		18													3
10:41				CSW19		19													
10:50				056120		20													
Addition	al Instru	tions:			Bill to Arms	tranc	4												
I, (field sam	pler), attest t	o the validity	and auther	nticity of this sample. I am	aware that tampering with or intentionally mislab			tion,			and the second se			and the second se			ceived on ice the da		oled or received
			ed fraud and	may be grounds for legal							packed	in ice :	at an avg ter				6 °C on subsequent of	lays.	
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(1	Da			18.24150	95 John Millo	6.19	.24	18	545		T1	1		T2			<u>T3</u>	i de la cara	1000
Relinquish	ed by: (Sign	1100	Dat		Received by: (Signature)	Date		Time	H.		135		10111	11					1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1
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				Aqueous, O - Other									, ag - am				and for the	aluate - Col	
					less other arrangements are made. Hazardou tory with this COC. The liability of the laborat									ient ex	opense	e. The	report for the a	alysis of th	e 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.																			

Page _____ of ____

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Released to Imaging: 7/2/2024 11:39:18 AM

### Chain of Custody

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Page	of	2

lient: Pima	a Envir	onmenta	al Servic	es	T	j Bill To	And the Annual States of the	T	23/6	La	ab Us	e On	ly			1.11		TA	T		EPA P	rogram
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late or time of c	collection i	is considered		icity of this sample. nay be grounds for l		vare that tampering with or intentionally misi ion. <u>Sampled by:</u>	abelling the sam	ple loca	tion,											ice the day ubsequent da		oled or receive
Relinquished b	ne t	town		18.74 Time	34	Received by (Stenature) Received by: (Signature)	Date Date	32	4 Time	34	0	Rec	eive	d on i	ice:		ab U	se Or N	nly			
100	1	-	Date	18:24 Time	20	) charen Auso	6.10	1.24		645		T1				<u>T2</u>	1	-1	1	<u>T3</u>		
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						other arrangements are made. Hazard y with this COC. The liability of the labor									ne clie	entex	pense	. The	report f	for the ani	alysis of th	e above
										- Part				the Martine and				-			to all making the second	cl

## **Envirotech Analytical Laboratory**

Sample Receipt Checklist (SRC)

lient:	Pima Environmental Services-Carlsbad Da	ate Received:	06/20/24 05:	:00	Work Order ID: E406177
Phone:	(575) 631-6977 Da	te Logged In:	06/19/24 16:	:24	Logged In By: Alexa Michaels
Email:		ie Date:	06/20/24 17	:00 (0 day TAT)	
Chain o	f 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: C	Courier
4. Was th	he 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 i.e, 15 minute hold time, are not included in this disucssion.	e field,	Yes		Comments/Resolution
Sample	Turn Around Time (TAT)				
6. Did th	ne COC indicate standard TAT, or Expedited TAT?		Yes		Samples were rcvd/rel. by courier
<u>Sample</u>	Cooler				CarrieAnne on 6/19/24, incorrect date was
7. Was a	a sample cooler received?		Yes		originally written on COC by courierAM
8. If yes,	, was cooler received in good condition?		Yes		Soil samples CSW25 & CSW26 rcvd by
9. Was tl	he sample(s) received intact, i.e., not broken?		Yes		lab were added to COC per client.
10. Were	e custody/security seals present?		No		ab were added to eoe per chem.
11. If ye	es, were custody/security seals intact?		NA		
	the sample received on ice? If yes, the recorded temp is 4°C, i.e. Note: Thermal preservation is not required, if samples are re- minutes of sampling	ceived w/i 15	Yes		
	o visible ice, record the temperature. Actual sample tem	nperature: <u>4°</u>	<u>'C</u>		
	<u>Container</u>				
	aqueous VOC samples present?		No		
	VOC samples collected in VOA Vials?		NA NA		
	e head space less than 6-8 mm (pea sized or less)?		NA		
	a trip blank (TB) included for VOC analyses? non-VOC samples collected in the correct containers?		Yes		
	e appropriate volume/weight or number of sample containers	collected?	Yes		
Field La		concert:	103		
	e field sample labels filled out with the minimum inform	ation:			
	Sample ID?		Yes		
	Date/Time Collected?		Yes		L
	Collectors name?		No		
	Preservation	10			
	s the COC or field labels indicate the samples were prese	erved?	No		
	sample(s) correctly preserved? b filteration required and/or requested for dissolved meta	ls?	NA No		
	nase Sample Matrix		1.0		
	s the sample watrix		No		
	es, does the COC specify which phase(s) is to be analyzed		No NA		
			1 12 1		
	tract Laboratory samples required to get sent to a subcontract laboratory?		No		
	a subcontract laboratory specified by the client and if so			ubcontract Lab	n' NA
			1 1 L L L L		

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



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District III

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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:	OGRID:					
ARMSTRONG ENERGY CORP	1092					
P.O. Box 1973	Action Number:					
Roswell, NM 88202	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.	
------------------------------------------------	--

riedee anener an the queetiene in the greap.	
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. Not ide Oil Released (bbls) Detail 

Grude Oli Released (DDIS) Detalis	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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# **State of New Mexico Energy, Minerals and Natural Resources Oil Conservation Division** 1220 S. St Francis Dr. Santa Fe, NM 87505

QUESTIONS, Page 2

Action 359889

QUESTIONS (continued)						
Operator:	OGRID:					
ARMSTRONG ENERGY CORP	1092					
P.O. Box 1973	Action Number:					
Roswell, NM 88202	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 Res	ponse
-------------	-------

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.	
	ation immediately after discovery of a release. If remediation has begun, please prepare and attach a narrative of ted or if the release occurred within a lined containment area (see Subparagraph (a) of Paragraph (5) of valuation in the follow-up C-141 submission.	
to report and/or file certain release notifications and perform corrective actions for releat the OCD does not relieve the operator of liability should their operations have failed to a	knowledge and understand that pursuant to OCD rules and regulations all operators are required ases which may endanger public health or the environment. The acceptance of a C-141 report by adequately investigate and remediate contamination that pose a threat to groundwater, surface t does not relieve the operator of responsibility for compliance with any other federal, state, or	
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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# State of New Mexico Energy, Minerals and Natural Resources Oil Conservation Division 1220 S. St Francis Dr. Santa Fe, NM 87505

QUESTIONS, Page 3

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Action 359889

QUESTIONS (continued)

Operator:	OGRID:
ARMSTRONG ENERGY CORP	1092
P.O. Box 1973	Action Number:
Roswell, NM 88202	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	Νο

#### 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 CI 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 (EPA SW-846 Method 8021B or 8260B) Benzene 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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# **State of New Mexico Energy, Minerals and Natural Resources Oil Conservation Division** 1220 S. St Francis Dr. Santa Fe, NM 87505

.

QUESTIONS, Page 4

Action 359889

QUESTIONS (continued)		
Operator: ARMSTRONG ENERGY CORP	OGRID: 1092	
P.O. Box 1973	Action Number:	
Roswell, NM 88202	359889	
	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	e / 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.		
to report and/or file certain release notifications and perform corrective actions for releat the OCD does not relieve the operator of liability should their operations have failed to a	knowledge and understand that pursuant to OCD rules and regulations all operators are required ases which may endanger public health or the environment. The acceptance of a C-141 report by adequately investigate and remediate contamination that pose a threat to groundwater, surface t does not relieve the operator of responsibility for compliance with any other federal, state, or	
I hereby agree and sign off to the above statement The OCD recognizes that proposed remediation measures may have to be minimally adjusted in acco	Name: Jeffery Tew Title: Operations Engineer Email: Jtew@aecnm.com Date: 07/01/2024 professe 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 d		

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

QUESTIONS, Page 5

Action 359889

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

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QUESTIONS, Page 6

Action 359889

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

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 r	emediation 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.
comprehensive report (in .pdf format) including a scaled site map, sampling diagrams, relevant field inal sampling, and a narrative of the remedial activities. Refer to 19.15.29.12 NMAC. hereby certify that the information given above is true and complete to the best of my o report and/or file certain release notifications and perform corrective actions for relea he OCD does not relieve the operator of liability should their operations have failed to vater, human health or the environment. In addition, OCD acceptance of a C-141 report	closure requirements and any conditions or directives of the OCD. This demonstration should be in the form of a notes, photographs of any excavation prior to backfilling, laboratory data including chain of custody documents on the form of a notes, photographs of any excavation prior to backfilling, laboratory data including chain of custody documents or the set of the form of a notes, photographs of any excavation prior to backfilling, laboratory data including chain of custody documents or the set of the form of a notes, photographs of any excavation prior to backfilling, laboratory data including chain of custody documents or the set of the form of a notes, photographs and required as the set of the environment. The acceptance of a C-141 report by adequately investigate and remediate contamination that pose a threat to groundwater, surface the does not relieve the operator of responsibility for compliance with any other federal, state, or isolary restore, reclaim, and re-vegetate the impacted surface area to the conditions that existed ing notification to the OCD when reclamation and re-vegetation are complete.
L berefy agree and sign off to the above statement	Name: Jeffery Tew Title: Operations Engineer

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

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

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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, Page 7

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Action 359889

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

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

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

CONDITIONS

Action 359889

CONDITIONS

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

#### 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