

PREPARED BY: PIMA ENVIRONMENTAL SERVICES, LLC

PREPARED FOR: Armstrong Energy Corp.



Incident ID NOY1816446096

Site Assessment, Remediation, and Closure Report

January 16, 2025



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

#### Re: Site Assessment, Remediation and Closure Report West Pearl Queen Historic Site Facility ID: fOY1816445881 GPS: Latitude 32.622519 Longitude -103.475553 UL "B", Sec. 32, T19S, R35E Lea County, NM NMOCD Ref. No. NOY1816446096

Pima Environmental Services, LLC (Pima) has been contracted by Armstrong Energy Corp to perform a spill assessment, remediation activities, and submit this closure report for a release of an unknown quantity located at the West Pearl Queen (WPQ). The initial C-141 was submitted on June 12, 2018. This incident was assigned Incident ID NOY1816446096, by the New Mexico Oil Conservation Division (NMOCD).

#### Site Characterization

The WPQ is located approximately 12.50 miles west of Monument, NM. This spill site is in Unit B, Section 32, Township 19S, Range 35E, Latitude 32.622519, Longitude -103.475553, Lea County, NM. Figure 1 references a location map.

According to the New Mexico Bureau of Geology and Mineral Resources, the area's geological classification includes Eolian and piedmont deposits, ranging from the Holocene to the middle Pleistocene (see Appendix B). The soil composition in this region primarily consists of Kermit soils and Dune land with slopes of 0 to 12 percent, along with Pyote soils and Dune land, as outlined in the United States Department of Agriculture Natural Resources Conservation Service soil survey (refer to Appendix B). The drainage courses in this area are well-drained. Additionally, geographical data indicates a low probability of karst geology near the WPQ site (see Figure 3).

The New Mexico Office of the State Engineer reports that the depth to the nearest groundwater in this area is approximately 25 feet below ground surface (BGS), as indicated by water well L 14876 POD 1, located about 0.01 miles from the site. Additionally, data from the United States Geological Survey (USGS) shows that the closest groundwater well, USGS 323725103253302, is approximately 2.81 miles away, with a recorded water depth of 31.5 feet BGS. For precise locations, refer to Appendix A, which includes a detailed water well map showing the positions of both OSE and USGS wells. Furthermore, the nearest waterway, an unidentified salt playa, is located approximately 20 miles southeast of the site. Additional information on these water surveys can be found in Appendix A.

Table 1 NMAC and Closure Criteria 19.15.29									
Depth to Groundwater	Constituent & 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 History**

#### NOY1816446096:

Armstrong Energy Corporation (Armstrong) acquired the West Pearl Queen Injection Site (Site) from Chevron. The Site included a building originally used as a compressor station, which was later converted into a pump station for a waterflood facility. A sump was located in the floor of the building, and an emergency pit was situated to the north of the pump station.

In March 2017, the New Mexico State Lands Office (SLO) sent an email to Chevron highlighting several concerns regarding the site. In 2018, Armstrong hired HRL as an environmental consultant to conduct site characterization and develop a remediation plan for two primary areas of concern: the sump and the pit. On June 12, 2018, a Release Notification and Corrective Action Form (Form C-141) was submitted to the New Mexico Oil Conservation Division (NMOCD). Remediation activities in June 2018 included the demolition of the old pump station building and the excavation of approximately 2,660 cubic yards of impacted soil, including building debris. Both the impacted soil and debris were transported to a permitted disposal facility.

HRL conducted soil sampling at the sump and pit areas. In the sump, chloride levels ranged from 128 to 10,800 mg/kg, and total petroleum hydrocarbons (TPH) ranged from non-detect to 575 mg/kg, with no BTEX detected. During excavation of the former pit in June 2018, petroleum-impacted soil was found at depths of up to 20 feet below ground surface (bgs), but no water was observed until a water line was accidentally broken, causing the pit to fill. The water was promptly pumped out and disposed of off-site, and the pit remained dry thereafter.

Following these findings, HRL submitted a site characterization and remediation plan to the NMOCD in October 2018, recommending closure of the sump and deferral of further remediation. NMOCD denied the deferral request in January 2019, requiring full site characterization.

From March 18 to March 20, 2020, four large concrete pylons were removed from the sump area, uncovering additional impacted soil. This resulted in the excavation of another 660 cubic yards of contaminated soil, which was transported to the R360 Halfway Facility for disposal. After excavation, confirmation soil samples were collected from the sidewalls and bottom of the excavation. Analytical results showed that an additional 10 cubic yards of soil was excavated from near grid quadrants F5 and F6, with confirmation samples indicating that contamination levels were below closure criteria.

On April 8, 2020, HRL mobilized a CME 550 drilling rig to characterize the pit area. A total of 17 soil borings were drilled in the pit area, with one additional boring drilled below the sump excavation. Water was encountered at depths ranging from 10 to 18 feet bgs. Soil samples were collected and sent to a laboratory for analysis, including testing for chloride, BTEX, and TPH.

The complete HRL remediation report, which includes details on sample locations, remediation activities, and analytical results, is available through the NMOCD portal.

#### Site Assessment and Soil Sampling Results

On April 5 and May 16, 2023, Pima Environmental personnel conducted delineation activities at the WPQ site. Sampling procedures focused on the point of release and extended to the northernmost edge of the impacted area. For vertical delineation, eight bottom samples (S1–S8) were collected at depth intervals down to 15 feet below ground surface (bgs). Additionally, ten horizontal delineation samples (SW1–SW10) were collected from the outermost extent of the impacted and previously disturbed area to evaluate horizontal impacts. These samples were taken at a depth of six inches below ground surface (bgs). Horizontal delineation samples SW4 and SW5 showed total petroleum hydrocarbon (TPH) levels exceeding the NMOCD closure criteria. The sampling area was subsequently extended by approximately 3 feet, and additional samples were collected and analyzed until results confirmed TPH levels below the NMOCD closure criteria. The sampling results are summarized in the accompanying data table, with the full laboratory report provided in Appendix E. A site map of this initial sampling event can be found in Figure 4.

	NMO	CD Table 1 Clo	osure Criteria 1		Sample Resi C (Depth to Gro		)-50')		
			ARMSTRONG EI						
Sampling Date: 4 5/16/2023	4/5/2023,	NM Approved Laboratory Results							
Sample ID	Depth (BGS)	BTEX mg/kg	Benzene mg/kg	GRO mg/kg	DRO mg/kg	MRO mg/kg	Total TPH mg/kg	Cl mg/kg	
	4'	ND	ND	ND	36.8	54.8	91.6	524	
6.4	6'	ND	ND	ND	ND	ND	0	749	
S-1	8'	ND	ND	ND	ND	ND	0	1150	
	9'	ND	ND	ND	ND	ND	0	ND	
	10'	ND	ND	ND	138	304	442	448	
S-2	12'	ND	ND	ND	105	210	315	47.3	
5-2	14'	ND	ND	ND	268	441	709	ND	
	15'	ND	ND	ND	ND	ND	0	ND	
	Surface	ND	ND	ND	ND	ND	0	ND	
S-3	2'	ND	ND	ND	ND	ND	0	135	
5-5	4'	ND	ND	ND	ND	ND	0	889	
	5'	ND	ND	ND	ND	ND	0	ND	
S-4	3'	ND	ND	ND	292	469	761	ND	
	5'	ND	ND	ND	329	762	1091	ND	
5-4	7'	ND	ND	ND	375	691	1066	ND	
	8'	ND	ND	ND	ND	ND	0	ND	
	3'	ND	ND	ND	58.2	73.8	132	280	
S-5	5'	ND	ND	ND	ND	ND	0	ND	
	7'	ND	ND	ND	ND	ND	0	ND	
	3'	ND	ND	ND	35.9	101	136.9	23.8	
S-6	5'	ND	ND	ND	ND	ND	0	ND	
	7'	ND	ND	ND	ND	ND	0	31.1	
	6'	ND	ND	ND	570	961	1531	ND	
S-7	8'	ND	ND	ND	288	532	820	ND	
5-7	10'	ND	ND	ND	407	675	1082	ND	
	11'	ND	ND	ND	ND	ND	0	ND	
	3'	ND	ND	ND	ND	ND	0	73	
S-8	5'	ND	ND	ND	ND	ND	0	43	
	7'	ND	ND	ND	ND	ND	0	22.6	
SW 1	6"	ND	ND	ND	ND	ND	0	ND	
SW 2	6''	ND	ND	ND	ND	ND	0	ND	
SW 3	6''	ND	ND	ND	ND	ND	0	ND	
SW 4	6''	ND	ND	ND	614	1010	1624	ND	
300 4	6''	ND	ND	ND	ND	ND	0	ND	
SW 5	6"	ND	ND	ND	631	941	1572	ND	
300 3	6′′	ND	ND	ND	ND	ND	0	ND	
SW 6	6''	ND	ND	ND	32.9	ND	32.9	27.4	
	6′'	ND	ND	ND	ND	ND	0	ND	
SW 7	6′′	ND	ND	ND	ND	ND	0	ND	
SW 8	6''	ND	ND	ND	ND	ND	0	ND	
SW 9	6''	ND	ND	ND	ND	ND	0	ND	
SW 10	6''	ND	ND	ND	ND	ND	0	ND	

ND- Analyte Not Detected

Each soil sample consisted of a grab sample from the impacted area. A total of forty-two (42) samples were collected for laboratory analysis, targeting total chloride using EPA Method 300.0; benzene, toluene, ethylbenzene, and total xylenes (BTEX) using EPA Method 8021B; and motor, diesel, and gasoline range organics (MRO, DRO, and GRO) using EPA Method 8015D. All samples were placed into laboratory-supplied glassware, properly labeled, and stored on ice until delivered to Envirotech Laboratories in Farmington, New Mexico (Appendix C).

#### **Remediation Activities**

Between October 10 and December 12, Pima, in collaboration with Wild West Excavating, conducted excavation activities using a heavy equipment operator and a field technician to address the affected area. The excavation depths varied based on the impacted zones. The area overlapping soil samples S1 and S2 was excavated to a depth of 18 feet below ground surface (bgs), while the area containing soil sample S3 was excavated to 14 feet bgs. The area overlapping soil sample S4 was excavated to depths of 5 and 8 feet bgs, the area overlapping soil samples S5 and S6 was excavated to 4 feet bgs, and the area overlapping soil sample S7 was excavated to 11 feet bgs. The total excavation covered approximately 17,022 square feet and resulted in the removal of about 1,150 cubic yards of contaminated soil, which was securely transported to R360, a disposal facility approved by the NMOCD.

On November 7, 2024, Armstrong Energy proactively submitted a 48-hour sampling notification as part of the preliminary preparations leading up to 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). Should the results confirm compliance, the plan is to move forward with the closure process. For additional details, the 48-hour notification can be referenced in Appendix C.

On November 11, 2024, a Pima field technician conducted a confirmation sampling event at the WPQ site. A total of 86 bottom composite samples (CS1–CS86) were collected from the base of the excavation at depths ranging from 3 to 18 feet below ground surface (bgs). In addition, 51 sidewall samples (CSW1–CSW51) were collected. The sidewall samples covered the entire height of the excavation sidewalls, from bottom to top, with each sample consisting of a five-point composite.

In the 18-foot excavation area, which measured approximately 3,650 square feet, eighteen bottom samples (CS1–CS18) were collected. The 14-foot excavation area, covering about 1,960 square feet, yielded ten bottom samples (CS19–CS28). Ten more bottom samples (CS29–CS38) were collected from the 8-foot excavation area, spanning roughly 1,995 square feet. In the 5-foot excavation area, measuring approximately 692 square feet, three bottom samples (CS39–CS41) were collected. From the 3-foot excavation area, covering approximately 7,070 square feet, thirty-five bottom samples (CS42–CS76) were collected. Finally, ten bottom samples (CS77–CS86) were taken from the 11-foot excavation area, which measured approximately 2,050 square feet.

For sidewall samples, the 18-foot excavation area, with a perimeter of 262 feet and a square area of 3,930 square feet, yielded twenty samples (CSW1–CSW20). The 3-foot excavation area, with a perimeter of 173 feet and a square area of 519 square feet, provided five samples (CSW21–CSW25). The 11-foot excavation area, with a perimeter of 125 feet and a square area of 1,375 square feet, yielded eight samples (CSW26–CSW33). Similarly, the 8-foot excavation area, with a perimeter of 172 feet and a square area of 1,376 square feet, yielded eight samples (CSW34–CSW41). The 5-foot excavation area, with a perimeter of 38 feet and a square area of 190 square feet, yielded one sample (CSW42). Lastly, the 14-foot excavation area, with a perimeter of 133 feet and a square area of 1,862 square feet, provided nine samples (CSW43–CSW51).

The results of this confirmation sampling event are summarized in the following data table.

		11-1	1-24 Confirm	ation Soil Sa	mple Result	S		
	NM	OCD Table 1 C	Closure Criteria 1	9.15.29 NMAC	(Depth to Grou	ndwater is ( <mark>0-5</mark>	iO')	
			Armstrong I	Energy/West P	earl Queen			
Sample Date:11	/11/24			NM Ap	proved Laborat	ory Results		
Sample ID	Depth (BGS)	BTEX mg/kg	Benzene mg/kg	GRO mg/kg	DRO mg/kg	MRO mg/kg	Total TPH mg/kg	Cl mg/kg
CS1	18'	<0.300	<0.050	<10.0	<10.0	<10.0	<30.0	<16.0
CS2	18'	<0.300	<0.050	<10.0	<10.0	<10.0	<30.0	<16.0
CS3	18'	<0.300	<0.050	<10.0	<10.0	<10.0	<30.0	<16.0
CS4	18'	<0.300	<0.050	<10.0	<10.0	<10.0	<30.0	<16.0
CS5	18'	<0.300	<0.050	<10.0	<10.0	<10.0	<30.0	<16.0
CS6	18'	<0.300	<0.050	<10.0	<10.0	<10.0	<30.0	<16.0
CS7	18'	<0.300	<0.050	<10.0	<10.0	<10.0	<30.0	<16.0
CS8	18'	<0.300	<0.050	<10.0	<10.0	<10.0	<30.0	<16.0
CS9	18'	<0.300	<0.050	<10.0	<10.0	<10.0	<30.0	<16.0
CS10	18'	<0.300	<0.050	<10.0	<10.0	<10.0	<30.0	<16.0
CS11	18'	<0.300	<0.050	<10.0	<10.0	<10.0	<30.0	<16.0
CS12	18'	<0.300	<0.050	<10.0	<10.0	<10.0	<30.0	<16.0

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CS13	18'	<0.300	<0.050	<10.0	<10.0	<10.0	<30.0	16
CS14	18'	<0.300	<0.050	<10.0	<10.0	<10.0	<30.0	<16.0
CS15	18'	<0.300	<0.050	<10.0	<10.0	<10.0	<30.0	<16.0
CS16	18'	<0.300	<0.050	<10.0	<10.0	<10.0	<30.0	<16.0
CS17	18'	<0.300	<0.050	<10.0	<10.0	<10.0	<30.0	<16.0
CS18	18'	<0.300	<0.050	<10.0	<10.0	<10.0	<30.0	<16.0
CS19	14'	<0.300	<0.050	<10.0	<10.0	<10.0	<30.0	<16.0
CS20	14'	<0.300	<0.050	<10.0	<10.0	<10.0	<30.0	<16.0
CS21	14'	<0.300	<0.050	<10.0	<10.0	<10.0	<30.0	<16.0
CS22	14'	<0.300	<0.050	<10.0	<10.0	<10.0	<30.0	<16.0
CS23	14'	<0.300	<0.050	<10.0	<10.0	<10.0	<30.0	16
CS24	14'	<0.300	<0.050	<10.0	<10.0	<10.0	<30.0	16
CS25	14'	<0.300	<0.050	<10.0	<10.0	<10.0	<30.0	<16.0
CS26	14'	<0.300	<0.050	<10.0	<10.0	<10.0	<30.0	<16.0
CS27	14'	<0.300	<0.050	<10.0	<10.0	<10.0	<30.0	<16.0
CS28	14'	<0.300	<0.050	<10.0	<10.0	<10.0	<30.0	16
CS29	8'	<0.300	< 0.050	<10.0	<10.0	<10.0	<30.0	<16.0
CS30	8'	<0.300	< 0.050	<10.0	<10.0	<10.0	<30.0	<16.0
CS31	8'	<0.300	< 0.050	<10.0	<10.0	<10.0	<30.0	16
CS32	8'	<0.300	< 0.050	<10.0	<10.0	<10.0	<30.0	<16.0
CS33	8'	<0.300	< 0.050	<10.0	<10.0	<10.0	<30.0	<16.0
CS34	8'	<0.300	< 0.050	<10.0	<10.0	<10.0	<30.0	16
CS35	8'	< 0.300	<0.050	<10.0	<10.0	<10.0	<30.0	<16.0
CS36	8'	< 0.300	<0.050	<10.0	<10.0	<10.0	<30.0	<16.0
CS37	8'	< 0.300	<0.050	<10.0	<10.0	<10.0	<30.0	<16.0
CS38	8'	< 0.300	<0.050	<10.0	<10.0	<10.0	<30.0	16
CS39	5'	< 0.300	<0.050	<10.0	<10.0	<10.0	<30.0	16
CS40	5'	< 0.300	<0.050	<10.0	<10.0	<10.0	<30.0	16
CS41	5'	< 0.300	<0.050	<10.0	<10.0	<10.0	<30.0	16
CS42	3'	< 0.300	<0.050	<10.0	<10.0	<10.0	<30.0	16
CS43	3'	< 0.300	<0.050	<10.0	<10.0	<10.0	<30.0	<16.0
CS44	3'	< 0.300	<0.050	<10.0	<10.0	<10.0	<30.0	<16.0
CS45	3'	<0.300	<0.050	<10.0	<10.0	<10.0	<30.0	<16.0
CS46	3'	<0.300	<0.050	<10.0	<10.0	<10.0	<30.0	<16.0
CS47	3'	<0.300	<0.050	<10.0	<10.0	<10.0	<30.0	<16.0
CS48	3'	<0.300		<10.0	<10.0	<10.0	<30.0	<16.0
CS49	3'	<0.300	<0.050 <0.050		<10.0	<10.0		
CS50	3'	<0.300		<10.0	<10.0	<10.0	<30.0	<16.0
CS51	3'	<0.300	<0.050	<10.0	<10.0	<10.0	<30.0	<16.0
CS52	3'	<0.300	< 0.050	<10.0	<10.0	<10.0	<30.0	<16.0
CS52 CS53	3'	<0.300	< 0.050	<10.0	<10.0	<10.0	<30.0	<16.0
CS54	3'	<0.300	<0.050	<10.0	<10.0	<10.0	<30.0	<16.0
CS55 CS55	3	<0.300	<0.050	<10.0	<10.0	<10.0	<30.0	<16.0
CS56	3	<0.300	<0.050	<10.0	<10.0	<10.0	<30.0	<16.0
	3'		<0.050	<10.0			<30.0	<16.0
CS57	3	<0.300	< 0.050	<10.0	<10.0	<10.0	<30.0	<16.0
CS58	3	<0.300	< 0.050	<10.0	<10.0	<10.0	<30.0	<16.0
CS59		<0.300	< 0.050	<10.0	<10.0	<10.0	<30.0	<16.0
CS60	3'	<0.300	<0.050	<10.0	<10.0	<10.0	<30.0	<16.0
CS61	3'	<0.300	<0.050	<10.0	<10.0	<10.0	<30.0	<16.0
CS62	3'	< 0.300	<0.050	<10.0	<10.0	<10.0	<30.0	<16.0
CS63	3'	<0.300	<0.050	<10.0	<10.0	<10.0	<30.0	16
CS64	3'	<0.300	<0.050	<10.0	<10.0	<10.0	<30.0	16
CS65	3'	<0.300	<0.050	<10.0	<10.0	<10.0	<30.0	16
CS66	3'	<0.300	<0.050	<10.0	<10.0	<10.0	<30.0	16
CS67	3'	< 0.300	<0.050	<10.0	<10.0	<10.0	<30.0	16

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CS68	3'	<0.300	<0.050	<10.0	<10.0	<10.0	<30.0	16
CS69	3'	<0.300	<0.050	<10.0	<10.0	<10.0	<30.0	16
CS70	3'	<0.300	<0.050	<10.0	<10.0	<10.0	<30.0	16
CS71	3'	<0.300	< 0.050	<10.0	<10.0	<10.0	<30.0	16
CS72	3'	<0.300	< 0.050	<10.0	<10.0	<10.0	<30.0	16
CS73	3'	<0.300	< 0.050	<10.0	<10.0	<10.0	<30.0	<16.0
CS74	3'	<0.300	< 0.050	<10.0	<10.0	<10.0	<30.0	<16.0
CS75	3'	<0.300	<0.050	<10.0	<10.0	<10.0	<30.0	32
CS76	3'	<0.300	< 0.050	<10.0	<10.0	<10.0	<30.0	<16.0
CS77	11'	<0.300	<0.050	<10.0	<10.0	<10.0	<30.0	<16.0
CS78	11'	< 0.300	<0.050	<10.0	<10.0	<10.0	<30.0	<16.0
CS79	11'	< 0.300	<0.050	<10.0	<10.0	<10.0	<30.0	<16.0
CS80	11'	< 0.300	<0.050	<10.0	<10.0	<10.0	<30.0	<16.0
CS81	11'	< 0.300	<0.050	<10.0	<10.0	<10.0	<30.0	<16.0
CS82	11'	< 0.300	<0.050	<10.0	<10.0	<10.0	<30.0	<16.0
CS83	11'	< 0.300	<0.050	<10.0	<10.0	<10.0	<30.0	<16.0
CS84	11'	< 0.300	<0.050	<10.0	<10.0	<10.0	<30.0	<16.0
CS85	11'	<0.300	<0.050	<10.0	<10.0	<10.0	<30.0	<16.0
CS86	11'	<0.300	<0.050	<10.0	<10.0	<10.0	<30.0	<16.0
CSW1	0-18'	<0.300	<0.050	<10.0	<10.0	<10.0	<30.0	<16.0
CSW2	0-18'	<0.300	<0.050	<10.0	<10.0	<10.0	<30.0	<16.0
CSW2	0-18'	<0.300			<10.0	<10.0		
CSW4	0-18'	<0.300	<0.050	<10.0	<10.0	<10.0	<30.0	<16.0
CSW5	0-18'	<0.300	<0.050	<10.0	<10.0	<10.0	<30.0	16
CSW6	0-18'	<0.300	<0.050	<10.0	<10.0	<10.0	<30.0	16
CSW7	0-18	<0.300	< 0.050	<10.0	<10.0	<10.0	<30.0	16
CSW8	0-18	<0.300	<0.050	<10.0	<10.0	<10.0	<30.0	16
CSW9	0-18'	<0.300	<0.050	<10.0	<10.0	<10.0	<30.0	32
CSW10	0-18	<0.300	<0.050	<10.0	<10.0	<10.0	<30.0	16
CSW10	0-18	<0.300	<0.050	<10.0	<10.0	<10.0	<30.0	16
CSW11 CSW12	0-18	<0.300	<0.050	<10.0	<10.0	<10.0	<30.0	16
CSW12	0-18	<0.300	<0.050	<10.0	<10.0	<10.0	<30.0	16
CSW13	0-18	<0.300	<0.050	<10.0	<10.0	<10.0	<30.0	16
CSW14 CSW15	0-18	<0.300	<0.050	<10.0	<10.0	<10.0	<30.0	16
CSW15	0-18	<0.300	<0.050	<10.0	<10.0	<10.0	<30.0	16
CSW18 CSW17	0-18	<0.300	< 0.050	<10.0	<10.0	<10.0	<30.0	16
	0-18	<0.300	< 0.050	<10.0	<10.0	<10.0	<30.0	16
CSW18 CSW19	0-18		< 0.050	<10.0			<30.0	16
		<0.300	< 0.050	<10.0	<10.0	<10.0	<30.0	16
CSW20	0-18'	<0.300	< 0.050	<10.0	<10.0	<10.0	<30.0	16
CSW21	0-3'	<0.300	< 0.050	<10.0	<10.0	<10.0	<30.0	16
CSW22	0-3'	<0.300	< 0.050	<10.0	<10.0	<10.0	<30.0	16
CSW23	0-3'	<0.300	< 0.050	<10.0	<10.0	<10.0	<30.0	16
CSW24	0-3'	<0.300	< 0.050	<10.0	<10.0	<10.0	<30.0	<16.0
CSW25	0-3'	<0.300	< 0.050	<10.0	<10.0	<10.0	<30.0	<16.0
CSW26	0-11'	<0.300	<0.050	<10.0	<10.0	<10.0	<30.0	<16.0
CSW27	0-11'	<0.300	<0.050	<10.0	<10.0	<10.0	<30.0	<16.0
CSW28	0-11'	< 0.300	<0.050	<10.0	<10.0	<10.0	<30.0	<16.0
CSW29	0-11'	<0.300	<0.050	<10.0	<10.0	<10.0	<30.0	16
CSW30	0-11'	< 0.300	<0.050	<10.0	<10.0	<10.0	<30.0	16
CSW31	0-11'	< 0.300	<0.050	<10.0	<10.0	<10.0	<30.0	<16.0
CSW32	0-11'	<0.300	<0.050	<10.0	<10.0	<10.0	<30.0	<16.0
CSW33	0-11'	<0.300	<0.050	<10.0	<10.0	<10.0	<30.0	<16.0
CSW34	0-8'	<0.300	<0.050	<10.0	<10.0	<10.0	<30.0	<16.0
CSW35	0-8'	<0.300	<0.050	<10.0	<10.0	<10.0	<30.0	<16.0
CSW36	0-8'	<0.300	<0.050	<10.0	<10.0	<10.0	<30.0	<16.0

CSW37	0-8'	<0.300	<0.050	<10.0	<10.0	<10.0	<30.0	<16.0
CSW38	0-8'	<0.300	<0.050	<10.0	<10.0	<10.0	<30.0	<16.0
CSW39	0-8'	<0.300	<0.050	<10.0	<10.0	<10.0	<30.0	<16.0
CSW40	0-8'	<0.300	<0.050	<10.0	<10.0	<10.0	<30.0	<16.0
CSW41	0-8'	<0.300	<0.050	<10.0	<10.0	<10.0	<30.0	<16.0
CSW42	0-5'	<0.300	<0.050	<10.0	<10.0	<10.0	<30.0	<16.0
CSW43	0-14'	<0.300	<0.050	<10.0	<10.0	<10.0	<30.0	<16.0
CSW44	0-14'	<0.300	<0.050	<10.0	<10.0	<10.0	<30.0	32
CSW45	0-14'	<0.300	<0.050	<10.0	<10.0	<10.0	<30.0	16
CSW46	0-14'	<0.300	<0.050	<10.0	<10.0	<10.0	<30.0	16
CSW47	0-14'	<0.300	<0.050	<10.0	<10.0	<10.0	<30.0	32
CSW48	0-14'	<0.300	<0.050	<10.0	<10.0	<10.0	<30.0	16
CSW49	0-14'	<0.300	<0.050	<10.0	<10.0	<10.0	<30.0	16
CSW50	0-14'	<0.300	<0.050	<10.0	<10.0	<10.0	<30.0	16
CSW51	0-14'	<0.300	<0.050	<10.0	<10.0	<10.0	<30.0	32

ND- Analyte Not Detected

Each soil sample was a 5-point composite derived from the excavated area, specifically representing an area not exceeding 200 square feet of the open excavation. A total of one-hundred and thirty-seven (137) samples were collected for laboratory analysis for total chloride using EPA Method 300.0; benzene, toluene, ethylbenzene and total xylenes (BTEX) using EPA Method 8021B; and motor, diesel, and gasoline range organics (MRO, DRO, & GRO) by EPA Method 8015D. All samples were placed into laboratory supplied glassware, labeled, and maintained on ice until delivery to Cardinal Laboratories in Hobbs, New Mexico (Appendix C).

Upon confirmation that all soil samples met the closure standards set by the New Mexico Oil Conservation Division (NMOCD), clean backfill material was brought in and utilized to restore the excavated area, returning it to its original state.

#### **Closure Request**

After careful review, Pima requests that this incident, NOY1816446096, be closed. Armstrong Energy has complied with the applicable closure requirements set forth in rule 19.15.19.12 NMAC.

For questions or additional information, please feel free to contact: Armstrong Energy Corp. – Kyle Alpers at 575-626-2727 or kalpers@aecnm.com Pima Environmental Services – Sebastian Orozco at 619-721-4813 or Sebastian@pimaoil.com

#### Attachments

Figures:

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

#### Appendices:

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



# Figures:

# Figure 1- Location Map

Figure 2- Topographic Map

Figure 3- Karst Map

Figure 4- Site Map

Figure 5- Confirmation Site Map







### Received by OCD: 1/17/2025 3:13:22 PM West Pearl Queen

SW1

S4

**S**6

sw9 🗖

SW8 🗖

S7 0

SW4 -

SW5

S8 0

SZ

SW3

LSW6

LSW7

**9**55

Esw10

**S**2

S1 0

SW2

Armstrong Energy Facility ID: fOY1816445881 Eddy County, NM Site Map

## Legend

# Page 13 of 291

- Horizontal Delineation Sample
- Previously Impacted Area
- Vertical Delineation Sample

Google Earth

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## Received by OCD: 1/17/2025 3:13:22 PM West Pearl Queen

Armstrong Energy Facility ID: fOY1816445881 Eddy County, NM Confirmation Site Map (South)



#### Legend

## Page 15 of 291

- 18' Excavation
- Composite Bottom Sample
- Composite Side Wall Sample

Google Earth <u>Released to Imaging: 4/22/2025 1:39:40 PM</u> Irrage © 2025 Airbus

60 ft



# Appendix A

Water Surveys:

- O OSE
- O USGS
- Surface Water Map

# Point of Diversion Summary

				are 1=NW 2=NE ers are smallest 1					NAD83 UTM	in meters		
Well Tag	POD	Nbr	Q64	Q16	Q4	Sec	Tws	Rng	x	Y	Мар	
NA	L 148	76 POD1	NE	NW	NE	32	195	35E	643011.3	3610472.6	•	
* UTM locatio	on was de	erived from	PLSS - see l	Help								
Driller Lice	ense:	1789	Dr	iller Compar	ıy:	HRL COM	IPLIAN	ce solu	ITIONS, INC			
Driller Na	me:	MUMBY,	MARKRT	.IEL.NER								
Drill Start	Date:	2020-04	-08 <b>Dr</b>	ill Finish Dat	te:	2020-04-	08			Plug Date:		2020-04-08
Log File D	ate:	2020-06	-16 <b>PC</b>	W Rcv Date:	:					Source:		
Pump Typ	e:		Pij	oe Discharge	Size:					Estimated	Yield:	

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

12/5/24 8:18 AM MST

Point of Diversion Summary

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### Received by OCD: 1/17/2025 3:13:22 PM West Pearl Queen

Armstrong Energy Facility ID: fOY1816445881 Lea County, NM OSE POD Map Legend Page 18 of 291 0.01 of a mile
L 14876 POD1
West Pearl Queen

7L 14876 POD1

West Pearl Queen







USGS Home Contact USGS Search USGS

### **National Water Information System: Web Interface**

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

### Click to hideNews Bulletins

• Explore the *NEW* <u>USGS National Water Dashboard</u> interactive map to access realtime water data from over 13,500 stations nationwide.

Groundwater levels for the Nation

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

# Search Results -- 1 sites found

site\_no list =

• 323725103253302

### **Minimum number of levels =** 1

Save file of selected sites to local disk for future upload

# USGS 323725103253302 19S.35E.35.211131A 230

Available data for this site Groundwater: Field measurements V GO

Lea County, New Mexico Hydrologic Unit Code 13070007 Latitude 32°37'25", Longitude 103°25'37.9" NAD83 Land-surface elevation 3,692.00 feet above NGVD29 This well is completed in the High Plains aquifer (N100HGHPLN) national aquifer. This well is completed in the Alluvium, Bolson Deposits and Other Surface Deposits (110AVMB) local aquifer.

### **Output formats**

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



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

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

Accessibility FOIA Privacy Policies and Notices

U.S. Department of the Interior | U.S. Geological Survey Title: Groundwater for USA: Water Levels URL: https://nwis.waterdata.usgs.gov/nwis/gwlevels? USA.gov

Page Contact Information: <u>USGS Water Data Support Team</u> Page Last Modified: 2024-12-05 10:20:31 EST 0.78 0.59 nadww02

# Received by OCD: 1/17/2025 3:13:22 PM West Pearl Queen

Armstrong Energy Facility ID: fOY1816445881 Lea County, NM USGS Map

West Pearl Queen



- 🍰 2.81 miles
- USGS 323725103253302

Page 21 of 291

A N

1 mi

8 West Pearl Queen

USGS 323725103253302

Rental Children

Google Earth Released to Imaging: 4/22/2025 1:39:40 PM Image © 2024 Airbus

A PARA

## Received by OCD: 1/17/2025 3:13:22 PM West Pearl Queen

Armstrong Energy Facility ID: fOY1816445881 Lea County, NM Surface Water Map



Monument

Oil Center

10 mi

176

62

West Pearl Queen

176

Arkansas Junction

Buckeye

62



(176)

Sec. 1

Google Earth

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# Appendix B

- Soil Survey & Soil Maps
- Geological Data
- FEMA Flood Map
- Wetlands Map

# Lea County, New Mexico

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

#### Map Unit Setting

National map unit symbol: dmpx Elevation: 3,000 to 4,400 feet Mean annual precipitation: 10 to 15 inches Mean annual air temperature: 60 to 62 degrees F Frost-free period: 190 to 205 days Farmland classification: Not prime farmland

#### **Map Unit Composition**

Kermit and similar soils: 46 percent Dune land: 44 percent Minor components: 10 percent Estimates are based on observations, descriptions, and transects of the mapunit.

#### **Description of Kermit**

#### Setting

Landform: Dunes Landform position (two-dimensional): Shoulder, backslope, footslope Landform position (three-dimensional): Side slope Down-slope shape: Concave, convex, linear Across-slope shape: Convex Parent material: Calcareous sandy eolian deposits derived from sedimentary rock

#### **Typical profile**

A - 0 to 8 inches: fine sand C - 8 to 60 inches: fine sand

#### **Properties and qualities**

Slope: 5 to 12 percent
Depth to restrictive feature: More than 80 inches
Drainage class: Excessively drained
Runoff class: Very low
Capacity of the most limiting layer to transmit water (Ksat): Very high (20.00 in/hr)
Depth to water table: More than 80 inches
Frequency of flooding: None
Frequency of ponding: None
Calcium carbonate, maximum content: 3 percent
Gypsum, maximum content: 1 percent
Maximum salinity: Nonsaline to very slightly saline (0.0 to 2.0 mmhos/cm)
Sodium adsorption ratio, maximum: 2.0
Available water supply, 0 to 60 inches: Low (about 3.1 inches)

#### Interpretive groups

Land capability classification (irrigated): None specified Land capability classification (nonirrigated): 7e Hydrologic Soil Group: A Ecological site: R070BC022NM - Sandhills Hydric soil rating: No

#### **Description of Dune Land**

#### Setting

Landform: Dunes Landform position (two-dimensional): Shoulder, backslope, footslope Landform position (three-dimensional): Side slope Down-slope shape: Concave, 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**

#### Palomas

Percent of map unit: 3 percent Ecological site: R070BD003NM - Loamy Sand Hydric soil rating: No

#### Pyote

Percent of map unit: 3 percent Ecological site: R070BD003NM - Loamy Sand Hydric soil rating: No

#### Wink

Percent of map unit: 2 percent Ecological site: R070BD003NM - Loamy Sand Hydric soil rating: No

#### Maljamar

Percent of map unit: 2 percent Ecological site: R070BD003NM - Loamy Sand



Hydric soil rating: No

# **Data Source Information**

Soil Survey Area: Lea County, New Mexico Survey Area Data: Version 21, Sep 3, 2024



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Web Soil Survey National Cooperative Soil Survey

MAP INFORMATION

## MAP LEGEND





# Map Unit Legend

Map Unit Symbol	Map Unit Name	Acres in AOI	Percent of AOI
КМ	Kermit soils and Dune land, 0 to 12 percent slopes	0.6	28.5%
PY	Pyote soils and Dune land	1.4	71.5%
Totals for Area of Interest		2.0	100.0%



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

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 product	NGMDB product page for 22974 (https://ngmdb.usgs.gov/Prodesc/proddesc_22974.htm)					
Counties	Chaves (/geology/state/fips-unit.php?code=f35005) - DeBaca (/geology/state/fips- unit.php?code=f35011) - Eddy (/geology/state/fips-unit.php?code=f35015) - Lea (/geology/state/fips-unit.php?code=f35025) - Roosevelt (/geology/state/fips- unit.php?code=f35041)					

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/) |

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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)

# Received by OCD: 1/17/2025 3:13:22 PM West Pearl Queen

Armstrong Energy Facility ID: fOY1816445881 Lea County, NM Geological Map



N

1 mi

Piedmont alluvial deposits 3

West Pearl Queen

West Pearl Queen



# National Flood Hazard Layer FIRMette

1.000



## Legend

3

#### 03°28'51"W 32°37'36"N SEE FIS REPORT FOR DETAILED LEGEND AND INDEX MAP FOR FIRM PANEL LAYOU Without Base Flood Elevation (BFE) Zone A. V. A9 With BFE or Depth Zone AE, AO, AH, VE, A SPECIAL FLOOD HAZARD AREAS **Regulatory Floodway** 0.2% Annual Chance Flood Hazard, Artes of 1% annual chance flood with average depth less than one foot or with drain e areas of less than one square mile Zo **Future Conditions 1% Annual** Chance Flood Hazard Zone X Area with Reduced Flood Risk due to Levee. See Notes. Zone X **OTHER AREAS OF** Area with Flood Risk due to Levee Zonde FLOOD HAZARD NO SCREEN Area of Minimal Flood Hazard Zone X Effective LOMRs **OTHER AREAS** Area of Undetermined Flood Hazard Zone D GENERAL - - - Channel, Culvert, or Storm Sewer STRUCTURES IIIIII Levee, Dike, or Floodwall 20.2 Cross Sections with 1% Annual Chance 17.5 Water Surface Elevation LEA COUNTY **Coastal Transect** X West Pearl Queen Base Flood Elevation Line (BFE) 350130 Limit of Study **Jurisdiction Boundary** ---- Coastal Transect Baseline OTHER **Profile Baseline** FEATURES Hydrographic Feature **Digital Data Available** No Digital Data Available MAP PANELS Unmapped The pin displayed on the map is an approximate Not Printed point selected by the user and does not represent an authoritative property location. This map complies with FEMA's standards for the use of digital flood maps if it is not void as described below. The basemap shown complies with FEMA's basemap accuracy standards The flood hazard information is derived directly from the authoritative NFHL web services provided by FEMA. This map was exported on 12/5/2024 at 3:27 PM and does not reflect changes or amendments subsequent to this date and time. The NFHL and effective information may change or become superseded by new data over time. This map image is void if the one or more of the following map elements do not appear: basemap imagery, flood zone labels, legend, scale bar, map creation date, community identifiers, FIRM panel number, and FIRM effective date. Map images for \_> 103°28'13"W 32°37'6"N Feet 1:6,000 unmapped and unmodernized areas cannot be used for regulatory purposes. 250 500 1.500 2.000

Basemap Imagery Source: USGS National Map 2023



# U.S. Fish and Wildlife Service National Wetlands Inventory

# Wetlands Map



# December 5, 2024

#### Wetlands

- Estuarine and Marine Deepwater
- Estuarine and Marine Wetland
- Wetland
- Freshwater Pond

Freshwater Emergent Wetland

Freshwater Forested/Shrub Wetland

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. Received by OCD: 1/17/2025 3:13:22 PM



# Appendix C

# • 48-Hour Notification

SIGN-IN HELP

Searches Operator Data Hearing Fee Application

# **OCD** Permitting

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

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

Submission Information									
Submission ID:	400283	Districts:	Hobbs						
Operator:	[1092] ARMSTRONG ENERGY CORP	Counties:	Lea						
Description:	ARMSTRONG ENERGY CORP [1092] , WEST PEARL QUEEN HISTORIC SITE , nOY1816446096								
Status:	APPROVED								
Status Date:	11/07/2024								
References (2):	fOY1816445881, nOY1816446096								

#### Forms

This application type does not have attachments.

# Questions

#### Prerequisites

Incident ID (n#)	nOY1816446096
Incident Name	NOY1816446096 WEST PEARL QUEEN HISTORIC SITE @ 0
Incident Type	Release Other
Incident Status	Remediation Plan Approved
Incident Facility	[fOY1816445881] Armstrong West Pearl Queen historic site

#### Location of Release Source

Site Name	WEST PEARL QUEEN HISTORIC SITE
Date Release Discovered	06/13/2018
Surface Owner	State

#### Sampling Event General Information

What is the sampling surface area in square feet	17,700
What is the estimated number of samples that will be gathered	137
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	11/11/2024
Time sampling will commence	12:00 PM
Warning: Notification can not be less than two business days prior to conducting final sampling.	
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	Marisa Loya (575) 416-0639
SIGN-IN HELP

		Searches	Operator Data	Hearing Fee Application
Comments				
No comments found for thi	s submission.			
Conditions				
Summary:	sdutton (11/7/2024), Failure to notify the OCD of sampling events including any changes remediation closure samples not being accepted.	in date/time per the r	equirements of 19.15.29.1	2.D.(1).(a) NMAC, may result in the
Reasons				
No reasons found for this s	ubmission.			
Go Back				

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EMNRD Home OCD Main Page OCD Rules Help



# Appendix D

# • Photographic Documentation



#### PHOTOGRAPHIC DOCUMENTATION

#### SITE NAME: West Pearl Queen

#### Assessment



Photo of the release area being assessed by the site tech.



Photo of the release area being assessed by the site tech.



Photo of the release area being assessed by the site tech.



Photo of the release area being assessed by the site tech.

5614 N Lovington Hwy, Hobbs NM 88240 575-964-7740





Photo of the release area being assessed by the site tech.



Photo of the release area being assessed by the site tech.



Photo of the release area being assessed by the site tech.



Photo of the release area being assessed by the site tech.





Photo of the release area being assessed by the site tech.



Photo of the release area being assessed by the site tech.



Photo of the release area being assessed by the site tech.



Photo of the release area being assessed by the site tech.





Photo of the release area being assessed by the site tech.



Photo of the release area being assessed by the site tech.



Photo of the release area being assessed by the site tech.



Photo of the release area being assessed by the site tech.



#### PHOTOGRAPHIC DOCUMENTATION

#### SITE NAME: West Pearl Queen

#### Excavation



Photo of the release area prior to the commencement of the excavation.



Photo of the release area prior to the commencement of the excavation.



Photo of the release area prior to the commencement of the excavation.



Photo of the release area prior to the commencement of the excavation.

 5614 N Lovington Hwy, Hobbs NM 88240

 Released to Imaging: 4/22/2025 1:39:40 PM

 575-964-7740

#### Received by OCD: 1/17/2025 3:13:22 PM Pima Environmental Services, LLC.





Photo of the release area prior to the commencement of the excavation.



Photo of the release area prior to the commencement of the excavation.



Photo of the release area prior to the commencement of the excavation.



Photo of the release area prior to the commencement of the excavation.

Received by OCD: 1/17/2025 3:13:22 PM Pima Environmental Services, LLC.



#### PHOTOGRAPHIC DOCUMENTATION

#### SITE NAME: West Pearl Queen

#### Excavation



Photo of the excavation site take by a drone to show the excavation process near completion



Photo of the excavation site take by a drone to show the excavation process near completion



Photo of the excavation site take by a drone to show the excavation process near completion



Photo of the excavation site take by a drone to show the excavation process near completion

5614 N Lovington Hwy, Hobbs NM 88240 575-964-7740





Photo of the excavation site take by a drone to show the excavation process near completion



Photo of the excavation site take by a drone to show the excavation process near completion



Photo of the excavation site take by a drone to show the excavation process near completion



Photo of the excavation site take by a drone to show the excavation process near completion



#### PHOTOGRAPHIC DOCUMENTATION

#### SITE NAME: West Pearl Queen

#### Backfill



Photo of the excavation site completely backfilled with clean material. Taken by a drone.



Photo of the excavation site completely backfilled with clean material. Taken by a drone.



Photo of the excavation site completely backfilled with clean material. Taken by a drone.



Photo of the excavation site completely backfilled with clean material. Taken by a drone.





Photo of the excavation site completely backfilled with clean material. Taken by a drone.



Photo of the excavation site completely backfilled with clean material. Taken by a drone.



# 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:

West Pearl Queen

Work Order: E304030

Job Number: 21064-0001

Received: 4/7/2023

Revision: 1

Report Reviewed By:

Walter Hinchman Laboratory Director 4/13/23

Envirotech Inc. certifies the test results meet all requirements of TNI unless noted otherwise. Statement of Data Authenticity: Envirotech Inc, attests the data reported has not been altered in any way. Partial or incomplete reproduction of this report is prohibited, unless approved by Envirotech Inc. Envirotech Inc, holds the Utah TNI certification NM00979 for data reported. Envirotech Inc, holds the Texas TNI certification T104704557 for data reported. Date Reported: 4/13/23

Tom Bynum PO Box 247 Plains, TX 79355-0247

Project Name: West Pearl Queen Workorder: E304030 Date Received: 4/7/2023 8:15:00AM

Tom Bynum,



Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 4/7/2023 8:15:00AM, under the Project Name: West Pearl Queen.

The analytical test results summarized in this report with the Project Name: West Pearl Queen 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

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Envirotech Web Address: www.envirotech-inc.com

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Chain of Custody etc.

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#### Sample Summary

		Sample Sum	mary		
Pima Environmental Services-Carlsbad		Project Name:	West Pearl Queen		Reported:
PO Box 247		Project Number:	21064-0001		-
Plains TX, 79355-0247		Project Manager:	Tom Bynum		04/13/23 10:24
Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
S7 - 10'	E304030-01A	Soil	04/05/23	04/07/23	Glass Jar, 2 oz.
S8 - 3'	E304030-02A	Soil	04/05/23	04/07/23	Glass Jar, 2 oz.
S8 - 5'	E304030-03A	Soil	04/05/23	04/07/23	Glass Jar, 2 oz.
58 - 7'	E304030-04A	Soil	04/05/23	04/07/23	Glass Jar, 2 oz.
SW1	E304030-05A	Soil	04/05/23	04/07/23	Glass Jar, 2 oz.
SW2	E304030-06A	Soil	04/05/23	04/07/23	Glass Jar, 2 oz.
SW3	E304030-07A	Soil	04/05/23	04/07/23	Glass Jar, 2 oz.
SW4	E304030-08A	Soil	04/05/23	04/07/23	Glass Jar, 2 oz.
SW5	E304030-09A	Soil	04/05/23	04/07/23	Glass Jar, 2 oz.
SW6	E304030-10A	Soil	04/05/23	04/07/23	Glass Jar, 2 oz.
SW7	E304030-11A	Soil	04/05/23	04/07/23	Glass Jar, 2 oz.
SW8	E304030-12A	Soil	04/05/23	04/07/23	Glass Jar, 2 oz.
W9	E304030-13A	Soil	04/05/23	04/07/23	Glass Jar, 2 oz.
W10	E304030-14A	Soil	04/05/23	04/07/23	Glass Jar, 2 oz.



Page 5 of 27

		ampie D	uu				
Pima Environmental Services-Carlsbad PO Box 247	Project Name: Project Numb		t Pearl Qu 54-0001	een			Reported:
Plains TX, 79355-0247	Project Manag		Bynum				4/13/2023 10:24:08AM
	i iojeet manag	3c1. 1011	Dynum				115/2025 10.21.001111
		<b>S7 - 10'</b>					
		E304030-01					
		Reporting					
Analyte	Result	Limit	Dıl	lution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst	IY		Batch: 2314047
Benzene	ND	0.0250		1	04/07/23	04/07/23	
Ethylbenzene	ND	0.0250		1	04/07/23	04/07/23	
Toluene	ND	0.0250		1	04/07/23	04/07/23	
p-Xylene	ND	0.0250		1	04/07/23	04/07/23	
o,m-Xylene	ND	0.0500		1	04/07/23	04/07/23	
Total Xylenes	ND	0.0250		1	04/07/23	04/07/23	
Surrogate: Bromofluorobenzene		93.2 %	70-130		04/07/23	04/07/23	
Surrogate: 1,2-Dichloroethane-d4		97.4 %	70-130		04/07/23	04/07/23	
Surrogate: Toluene-d8		103 %	70-130		04/07/23	04/07/23	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst	IY		Batch: 2314047
Gasoline Range Organics (C6-C10)	ND	20.0		1	04/07/23	04/07/23	
urrogate: Bromofluorobenzene		93.2 %	70-130		04/07/23	04/07/23	
urrogate: 1,2-Dichloroethane-d4		97.4 %	70-130		04/07/23	04/07/23	
urrogate: Toluene-d8		103 %	70-130		04/07/23	04/07/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst	ЛL		Batch: 2315001
Diesel Range Organics (C10-C28)	407	25.0		1	04/10/23	04/11/23	
Dil Range Organics (C28-C36)	675	50.0		1	04/10/23	04/11/23	
urrogate: n-Nonane		107 %	50-200		04/10/23	04/11/23	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst	BA		Batch: 2314058
Chloride	ND	20.0		1	04/07/23	04/07/23	



	3	ample D	ata			
Pima Environmental Services-Carlsbad PO Box 247	Project Name Project Numb		t Pearl Quee 54-0001	n		Reported:
Plains TX, 79355-0247	Project Mana		Bynum			4/13/2023 10:24:08AN
Tianis 17, 7555 0247	T Tojeet Wiana	-	Dynam			. 10,2020 1012 1001 11
		<b>S8 - 3'</b>				
		E304030-02				
Amplita	Result	Reporting Limit	Dilut	on Dronound	Analyzad	Notes
Analyte	Kesuit	Liinit	Dilui	ion Prepared	Analyzed	INOLES
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	A	analyst: IY		Batch: 2314047
Benzene	ND	0.0250	1	04/07/23	04/07/23	
Ethylbenzene	ND	0.0250	1	04/07/23	04/07/23	
Toluene	ND	0.0250	1	04/07/23	04/07/23	
p-Xylene	ND	0.0250	1	04/07/23	04/07/23	
p,m-Xylene	ND	0.0500	1	04/07/23	04/07/23	
Total Xylenes	ND	0.0250	1	04/07/23	04/07/23	
Surrogate: Bromofluorobenzene		95.5 %	70-130	04/07/23	04/07/23	
Surrogate: 1,2-Dichloroethane-d4		104 %	70-130	04/07/23	04/07/23	
Surrogate: Toluene-d8		102 %	70-130	04/07/23	04/07/23	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Α	analyst: IY		Batch: 2314047
Gasoline Range Organics (C6-C10)	ND	20.0	1	04/07/23	04/07/23	
Surrogate: Bromofluorobenzene		95.5 %	70-130	04/07/23	04/07/23	
Surrogate: 1,2-Dichloroethane-d4		104 %	70-130	04/07/23	04/07/23	
Surrogate: Toluene-d8		102 %	70-130	04/07/23	04/07/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	A	analyst: JL		Batch: 2315001
Diesel Range Organics (C10-C28)	ND	25.0	1	04/10/23	04/10/23	
Dil Range Organics (C28-C36)	ND	50.0	1	04/10/23	04/10/23	
Surrogate: n-Nonane		110 %	50-200	04/10/23	04/10/23	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Α	analyst: BA		Batch: 2314058
Chloride	73.0	20.0	1	04/07/23	04/07/23	



	3	ample D	ata			
Pima Environmental Services-Carlsbad	Project Name		t Pearl Queen			
PO Box 247	Project Numb		54-0001 Doministr			<b>Reported:</b> 4/13/2023 10:24:08AM
Plains TX, 79355-0247	Project Mana	ger: Iom	Bynum			4/13/2023 10:24:08AN
		S8 - 5'				
		E304030-03				
		Reporting				
Analyte	Result	Limit	Dilution	n Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Ana	alyst: IY		Batch: 2314047
Benzene	ND	0.0250	1	04/07/23	04/07/23	
Ethylbenzene	ND	0.0250	1	04/07/23	04/07/23	
Toluene	ND	0.0250	1	04/07/23	04/07/23	
p-Xylene	ND	0.0250	1	04/07/23	04/07/23	
o,m-Xylene	ND	0.0500	1	04/07/23	04/07/23	
Total Xylenes	ND	0.0250	1	04/07/23	04/07/23	
Surrogate: Bromofluorobenzene		93.4 %	70-130	04/07/23	04/07/23	
Surrogate: 1,2-Dichloroethane-d4		101 %	70-130	04/07/23	04/07/23	
Surrogate: Toluene-d8		103 %	70-130	04/07/23	04/07/23	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Ana	alyst: IY		Batch: 2314047
Gasoline Range Organics (C6-C10)	ND	20.0	1	04/07/23	04/07/23	
Surrogate: Bromofluorobenzene		93.4 %	70-130	04/07/23	04/07/23	
Surrogate: 1,2-Dichloroethane-d4		101 %	70-130	04/07/23	04/07/23	
Surrogate: Toluene-d8		103 %	70-130	04/07/23	04/07/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Ana	alyst: JL		Batch: 2315001
Diesel Range Organics (C10-C28)	ND	25.0	1	04/10/23	04/10/23	
Dil Range Organics (C28-C36)	ND	50.0	1	04/10/23	04/10/23	
Surrogate: n-Nonane		106 %	50-200	04/10/23	04/10/23	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Ana	alyst: BA		Batch: 2314058
Chloride	43.0	20.0	1	04/07/23	04/07/23	



		ample D	ลเล			
Pima Environmental Services-Carlsbad PO Box 247	Project Name Project Num		t Pearl Queen 64-0001			Reported:
Plains TX, 79355-0247	Project Mana			4/13/2023 10:24:08AN		
Tians 1A, 79555-0247	I Tojeet Mana	iger. Tom	Bynum			4/15/2025 10.24.00/11
		<b>S8 - 7'</b>				
		E304030-04				
Analysis	Result	Reporting Limit	Dilution	Duranal	A	Notes
Analyte	Result	Limit	Dilution	n Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Ana	alyst: IY		Batch: 2314047
Benzene	ND	0.0250	1	04/07/23	04/07/23	
Ethylbenzene	ND	0.0250	1	04/07/23	04/07/23	
Toluene	ND	0.0250	1	04/07/23	04/07/23	
p-Xylene	ND	0.0250	1	04/07/23	04/07/23	
o,m-Xylene	ND	0.0500	1	04/07/23	04/07/23	
Total Xylenes	ND	0.0250	1	04/07/23	04/07/23	
Surrogate: Bromofluorobenzene		92.4 %	70-130	04/07/23	04/07/23	
Surrogate: 1,2-Dichloroethane-d4		97.9 %	70-130	04/07/23	04/07/23	
Surrogate: Toluene-d8		102 %	70-130	04/07/23	04/07/23	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Ana	alyst: IY		Batch: 2314047
Gasoline Range Organics (C6-C10)	ND	20.0	1	04/07/23	04/07/23	
Surrogate: Bromofluorobenzene		92.4 %	70-130	04/07/23	04/07/23	
Surrogate: 1,2-Dichloroethane-d4		97.9 %	70-130	04/07/23	04/07/23	
Surrogate: Toluene-d8		102 %	70-130	04/07/23	04/07/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Ana	alyst: JL		Batch: 2315001
Diesel Range Organics (C10-C28)	ND	25.0	1	04/10/23	04/10/23	
Dil Range Organics (C28-C36)	ND	50.0	1	04/10/23	04/10/23	
Surrogate: n-Nonane		103 %	50-200	04/10/23	04/10/23	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Ana	alyst: BA		Batch: 2314058
Chloride	22.6	20.0	1	04/07/23	04/07/23	



	3	ample D	ata			
Pima Environmental Services-Carlsbad	Project Name		t Pearl Queer 54-0001	n		Demented
PO Box 247 Plains TX, 79355-0247	Project Num Project Mana		Bynum			<b>Reported:</b> 4/13/2023 10:24:08AM
Plains 1A, 79555-0247	Project Mana	iger: Iom	Бупит			4/15/2025 10.24.08AW
		SW1				
		E304030-05				
	D li	Reporting	Dila			
Analyte	Result	Limit	Diluti	on Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	А	.nalyst: IY		Batch: 2314047
Benzene	ND	0.0250	1	04/07/23	04/07/23	
Ethylbenzene	ND	0.0250	1	04/07/23	04/07/23	
Toluene	ND	0.0250	1	04/07/23	04/07/23	
p-Xylene	ND	0.0250	1	04/07/23	04/07/23	
o,m-Xylene	ND	0.0500	1	04/07/23	04/07/23	
Total Xylenes	ND	0.0250	1	04/07/23	04/07/23	
Surrogate: Bromofluorobenzene		93.8 %	70-130	04/07/23	04/07/23	
Surrogate: 1,2-Dichloroethane-d4		98.1 %	70-130	04/07/23	04/07/23	
Surrogate: Toluene-d8		101 %	70-130	04/07/23	04/07/23	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	А	.nalyst: IY		Batch: 2314047
Gasoline Range Organics (C6-C10)	ND	20.0	1	04/07/23	04/07/23	
Surrogate: Bromofluorobenzene		93.8 %	70-130	04/07/23	04/07/23	
Surrogate: 1,2-Dichloroethane-d4		98.1 %	70-130	04/07/23	04/07/23	
Surrogate: Toluene-d8		101 %	70-130	04/07/23	04/07/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	А	.nalyst: JL		Batch: 2315001
Diesel Range Organics (C10-C28)	ND	25.0	1	04/10/23	04/10/23	
Oil Range Organics (C28-C36)	ND	50.0	1	04/10/23	04/10/23	
Surrogate: n-Nonane		108 %	50-200	04/10/23	04/10/23	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	А	.nalyst: BA		Batch: 2314058
Chloride	ND	20.0	1	04/07/23	04/07/23	



	3	ample D	ลเล			
Pima Environmental Services-Carlsbad PO Box 247	Project Name Project Numb		t Pearl Queer 54-0001	n		Reported:
Plains TX, 79355-0247	Project Mana	ger: Tom	Bynum			4/13/2023 10:24:08AM
		SW2				
		E304030-06				
		Reporting				
Analyte	Result	Limit	Diluti	on Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	А	nalyst: IY		Batch: 2314047
Benzene	ND	0.0250	1	04/07/23	04/07/23	
Ethylbenzene	ND	0.0250	1	04/07/23	04/07/23	
oluene	ND	0.0250	1	04/07/23	04/07/23	
-Xylene	ND	0.0250	1	04/07/23	04/07/23	
,m-Xylene	ND	0.0500	1	04/07/23	04/07/23	
Fotal Xylenes	ND	0.0250	1	04/07/23	04/07/23	
Surrogate: Bromofluorobenzene		94.8 %	70-130	04/07/23	04/07/23	
Surrogate: 1,2-Dichloroethane-d4		99.1 %	70-130	04/07/23	04/07/23	
urrogate: Toluene-d8		103 %	70-130	04/07/23	04/07/23	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	А	nalyst: IY		Batch: 2314047
Gasoline Range Organics (C6-C10)	ND	20.0	1	04/07/23	04/07/23	
Surrogate: Bromofluorobenzene		94.8 %	70-130	04/07/23	04/07/23	
Surrogate: 1,2-Dichloroethane-d4		99.1 %	70-130	04/07/23	04/07/23	
Surrogate: Toluene-d8		103 %	70-130	04/07/23	04/07/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	А	nalyst: JL		Batch: 2315001
Diesel Range Organics (C10-C28)	ND	25.0	1	04/10/23	04/10/23	
Dil Range Organics (C28-C36)	ND	50.0	1	04/10/23	04/10/23	
Surrogate: n-Nonane		107 %	50-200	04/10/23	04/10/23	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	A	nalyst: BA		Batch: 2314058
Chloride	ND	20.0	1	04/07/23	04/07/23	



	3	ample D	ala			
Pima Environmental Services-Carlsbad PO Box 247	Project Name Project Numb		t Pearl Queer 54-0001	1		Reported:
Plains TX, 79355-0247	Project Mana		Bynum			4/13/2023 10:24:08AM
Tians 1A, 7955-0247	Tiojeet Mana	gen. Tom	Bynun			#15/2025 10.21.00110
		SW3				
		E304030-07				
		Reporting				
Analyte	Result	Limit	Dilutio	on Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	A	nalyst: IY		Batch: 2314047
Benzene	ND	0.0250	1	04/07/23	04/07/23	
Ethylbenzene	ND	0.0250	1	04/07/23	04/07/23	
oluene	ND	0.0250	1	04/07/23	04/07/23	
o-Xylene	ND	0.0250	1	04/07/23	04/07/23	
o,m-Xylene	ND	0.0500	1	04/07/23	04/07/23	
Fotal Xylenes	ND	0.0250	1	04/07/23	04/07/23	
Surrogate: Bromofluorobenzene		93.9 %	70-130	04/07/23	04/07/23	
Surrogate: 1,2-Dichloroethane-d4		98.2 %	70-130	04/07/23	04/07/23	
Jurrogate: Toluene-d8		103 %	70-130	04/07/23	04/07/23	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	A	nalyst: IY		Batch: 2314047
Gasoline Range Organics (C6-C10)	ND	20.0	1	04/07/23	04/07/23	
Surrogate: Bromofluorobenzene		93.9 %	70-130	04/07/23	04/07/23	
Surrogate: 1,2-Dichloroethane-d4		98.2 %	70-130	04/07/23	04/07/23	
Surrogate: Toluene-d8		103 %	70-130	04/07/23	04/07/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	A	nalyst: JL		Batch: 2315001
Diesel Range Organics (C10-C28)	ND	25.0	1	04/10/23	04/10/23	
Dil Range Organics (C28-C36)	ND	50.0	1	04/10/23	04/10/23	
Surrogate: n-Nonane		108 %	50-200	04/10/23	04/10/23	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	A	nalyst: BA		Batch: 2314058
Chloride	ND	20.0	1	04/07/23	04/07/23	



	3	ample D	ata			
Pima Environmental Services-Carlsbad	Project Name		t Pearl Queen			
PO Box 247	Project Numb		54-0001 D			<b>Reported:</b> 4/13/2023 10:24:08AM
Plains TX, 79355-0247	Project Mana	iger: Iom	Bynum			4/13/2023 10:24:08AN
		SW4				
		E304030-08				
		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Anal	yst: IY		Batch: 2314047
Benzene	ND	0.0250	1	04/07/23	04/07/23	
Ethylbenzene	ND	0.0250	1	04/07/23	04/07/23	
Toluene	ND	0.0250	1	04/07/23	04/07/23	
p-Xylene	ND	0.0250	1	04/07/23	04/07/23	
o,m-Xylene	ND	0.0500	1	04/07/23	04/07/23	
Total Xylenes	ND	0.0250	1	04/07/23	04/07/23	
Surrogate: Bromofluorobenzene		92.4 %	70-130	04/07/23	04/07/23	
Surrogate: 1,2-Dichloroethane-d4		98.4 %	70-130	04/07/23	04/07/23	
Surrogate: Toluene-d8		103 %	70-130	04/07/23	04/07/23	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Anal	yst: IY		Batch: 2314047
Gasoline Range Organics (C6-C10)	ND	20.0	1	04/07/23	04/07/23	
Surrogate: Bromofluorobenzene		92.4 %	70-130	04/07/23	04/07/23	
Surrogate: 1,2-Dichloroethane-d4		98.4 %	70-130	04/07/23	04/07/23	
Surrogate: Toluene-d8		103 %	70-130	04/07/23	04/07/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Anal	yst: JL		Batch: 2315001
Diesel Range Organics (C10-C28)	614	250	10	04/10/23	04/10/23	
Oil Range Organics (C28-C36)	1010	500	10	04/10/23	04/10/23	
Surrogate: n-Nonane		119 %	50-200	04/10/23	04/10/23	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Anal	yst: BA		Batch: 2314058
Chloride	ND	20.0	1	04/07/23	04/07/23	



	2	ample D	ata			
Pima Environmental Services-Carlsbad PO Box 247	Project Name Project Numb		t Pearl Queen 64-0001			Reported:
Plains TX, 79355-0247	Project Numb		Bynum			4/13/2023 10:24:08AN
Tianis 17, 19555-0247	T TOJECT Manag		Dynum			4/15/2025 10.24.00/10
		SW5				
		E304030-09				
		Reporting				
Analyte	Result	Limit	Dilutior	n Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Ana	ılyst: IY		Batch: 2314047
Benzene	ND	0.0250	1	04/07/23	04/07/23	
Ethylbenzene	ND	0.0250	1	04/07/23	04/07/23	
Toluene	ND	0.0250	1	04/07/23	04/07/23	
p-Xylene	ND	0.0250	1	04/07/23	04/07/23	
o,m-Xylene	ND	0.0500	1	04/07/23	04/07/23	
Total Xylenes	ND	0.0250	1	04/07/23	04/07/23	
Surrogate: Bromofluorobenzene		92.1 %	70-130	04/07/23	04/07/23	
Surrogate: 1,2-Dichloroethane-d4		100 %	70-130	04/07/23	04/07/23	
Surrogate: Toluene-d8		102 %	70-130	04/07/23	04/07/23	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Ana	ılyst: IY		Batch: 2314047
Gasoline Range Organics (C6-C10)	ND	20.0	1	04/07/23	04/07/23	
Surrogate: Bromofluorobenzene		92.1 %	70-130	04/07/23	04/07/23	
Surrogate: 1,2-Dichloroethane-d4		100 %	70-130	04/07/23	04/07/23	
Surrogate: Toluene-d8		102 %	70-130	04/07/23	04/07/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Ana	ılyst: JL		Batch: 2315001
Diesel Range Organics (C10-C28)	631	250	10	04/10/23	04/10/23	
Dil Range Organics (C28-C36)	941	500	10	04/10/23	04/10/23	
Surrogate: n-Nonane		115 %	50-200	04/10/23	04/10/23	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Ana	ılyst: BA		Batch: 2314058
Chloride	ND	20.0	1	04/07/23	04/07/23	



	3	ample D	ลเส			
Pima Environmental Services-Carlsbad PO Box 247	Project Name Project Numb		t Pearl Queer 64-0001	1		Reported:
Plains TX, 79355-0247	Project Manag		Bynum		4/13/2023 10:24:08AM	
Tians 1A, 79555-0247	T TOJECT Manag	gen. Iom	Byllulli			4/15/2025 10.24.00/10
		SW6				
		E304030-10				
Analyte	Result	Reporting Limit	Dilutio	on Prepared	Analyzed	Notes
Analyte	Kesuit	Liinit	Dilutio	on Prepared	Analyzeu	INOLES
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	A	nalyst: IY		Batch: 2314047
Benzene	ND	0.0250	1	04/07/23	04/07/23	
Ethylbenzene	ND	0.0250	1	04/07/23	04/07/23	
Toluene	ND	0.0250	1	04/07/23	04/07/23	
p-Xylene	ND	0.0250	1	04/07/23	04/07/23	
o,m-Xylene	ND	0.0500	1	04/07/23	04/07/23	
Total Xylenes	ND	0.0250	1	04/07/23	04/07/23	
Surrogate: Bromofluorobenzene		92.2 %	70-130	04/07/23	04/07/23	
Surrogate: 1,2-Dichloroethane-d4		98.5 %	70-130	04/07/23	04/07/23	
Jurrogate: Toluene-d8		102 %	70-130	04/07/23	04/07/23	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	A	nalyst: IY		Batch: 2314047
Gasoline Range Organics (C6-C10)	ND	20.0	1	04/07/23	04/07/23	
Surrogate: Bromofluorobenzene		92.2 %	70-130	04/07/23	04/07/23	
Surrogate: 1,2-Dichloroethane-d4		98.5 %	70-130	04/07/23	04/07/23	
Surrogate: Toluene-d8		102 %	70-130	04/07/23	04/07/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	A	nalyst: JL		Batch: 2315001
Diesel Range Organics (C10-C28)	32.9	25.0	1	04/10/23	04/11/23	
Dil Range Organics (C28-C36)	ND	50.0	1	04/10/23	04/11/23	
Surrogate: n-Nonane		110 %	50-200	04/10/23	04/11/23	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	A	nalyst: BA		Batch: 2314058
Chloride	27.4	20.0	1	04/07/23	04/07/23	



	3	ample D	ata				
Pima Environmental Services-Carlsbad	Project Name		t Pearl Quee	en			
PO Box 247	Project Numb		54-0001	Reported:			
Plains TX, 79355-0247	Project Mana	iger: Tom	Bynum				4/13/2023 10:24:08AN
		SW7					
		Reporting					
Analyte	Result	Limit	Dilu	tion P	repared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	1	Analyst: IY			Batch: 2314047
Benzene	ND	0.0250	1	04	4/07/23	04/07/23	
Ethylbenzene	ND	0.0250	1	04	4/07/23	04/07/23	
Toluene	ND	0.0250	1	04	4/07/23	04/07/23	
p-Xylene	ND	0.0250	1	04	1/07/23	04/07/23	
o,m-Xylene	ND	0.0500	1	04	1/07/23	04/07/23	
Total Xylenes	ND	0.0250	1	04	4/07/23	04/07/23	
Surrogate: Bromofluorobenzene		92.5 %	70-130	0-	4/07/23	04/07/23	
Surrogate: 1,2-Dichloroethane-d4		97.1 %	70-130	0-	4/07/23	04/07/23	
Surrogate: Toluene-d8		102 %	70-130	0-	4/07/23	04/07/23	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	1	Analyst: IY			Batch: 2314047
Gasoline Range Organics (C6-C10)	ND	20.0	1	04	4/07/23	04/07/23	
Surrogate: Bromofluorobenzene		92.5 %	70-130	0-	4/07/23	04/07/23	
Surrogate: 1,2-Dichloroethane-d4		97.1 %	70-130	0-	4/07/23	04/07/23	
Surrogate: Toluene-d8		102 %	70-130	0-	4/07/23	04/07/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	1	Analyst: JL			Batch: 2315001
Diesel Range Organics (C10-C28)	ND	50.0	2	2 04	4/10/23	04/10/23	
Dil Range Organics (C28-C36)	ND	100	2	2 04	4/10/23	04/10/23	
Surrogate: n-Nonane		106 %	50-200	0-	4/10/23	04/10/23	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	1	Analyst: BA			Batch: 2314058
Chloride	ND	20.0	1	04	4/07/23	04/07/23	



	3	ample D	ata			
Pima Environmental Services-Carlsbad	Project Name		t Pearl Queer	1		D ( )
PO Box 247	Project Numl		54-0001 Daman		<b>Reported:</b> 4/13/2023 10:24:08AM	
Plains TX, 79355-0247	Project Mana	iger: Iom	Bynum			4/15/2025 10:24:08AM
		SW8				
		E304030-12				
		Reporting				
Analyte	Result	Limit	Diluti	on Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	A	nalyst: IY		Batch: 2314047
Benzene	ND	0.0250	1	04/07/23	04/07/23	
Ethylbenzene	ND	0.0250	1	04/07/23	04/07/23	
Toluene	ND	0.0250	1	04/07/23	04/07/23	
p-Xylene	ND	0.0250	1	04/07/23	04/07/23	
o,m-Xylene	ND	0.0500	1	04/07/23	04/07/23	
Total Xylenes	ND	0.0250	1	04/07/23	04/07/23	
Surrogate: Bromofluorobenzene		93.8 %	70-130	04/07/23	04/07/23	
Surrogate: 1,2-Dichloroethane-d4		99.2 %	70-130	04/07/23	04/07/23	
Surrogate: Toluene-d8		102 %	70-130	04/07/23	04/07/23	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	A	nalyst: IY		Batch: 2314047
Gasoline Range Organics (C6-C10)	ND	20.0	1	04/07/23	04/07/23	
Surrogate: Bromofluorobenzene		93.8 %	70-130	04/07/23	04/07/23	
Surrogate: 1,2-Dichloroethane-d4		99.2 %	70-130	04/07/23	04/07/23	
Surrogate: Toluene-d8		102 %	70-130	04/07/23	04/07/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	A	nalyst: JL		Batch: 2315001
Diesel Range Organics (C10-C28)	ND	25.0	1	04/10/23	04/11/23	
Dil Range Organics (C28-C36)	ND	50.0	1	04/10/23	04/11/23	
Surrogate: n-Nonane		116 %	50-200	04/10/23	04/11/23	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	A	nalyst: BA		Batch: 2314058
Chloride	ND	20.0	1	04/07/23	04/07/23	



	3	ample D	ata				
Pima Environmental Services-Carlsbad PO Box 247	Project Name		t Pearl Quee 54-0001	en			Demented
PO Box 247 Plains TX, 79355-0247	Project Numb Project Mana		Bynum		<b>Reported:</b> 4/13/2023 10:24:08AM		
Plains 1A, 79555-0247	Project Mana	iger: Tom	Бупиш				4/15/2025 10.24.08AN
		SW9					
		Reporting					
Analyte	Result	Limit	Dilu	tion Pro	epared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	1	Analyst: IY			Batch: 2314047
Benzene	ND	0.0250	1	. 04	/07/23	04/07/23	
Ethylbenzene	ND	0.0250	1	04	/07/23	04/07/23	
Toluene	ND	0.0250	1	04	/07/23	04/07/23	
p-Xylene	ND	0.0250	1	. 04	/07/23	04/07/23	
o,m-Xylene	ND	0.0500	1	. 04	/07/23	04/07/23	
Total Xylenes	ND	0.0250	1	. 04	/07/23	04/07/23	
Surrogate: Bromofluorobenzene		91.8 %	70-130	04	/07/23	04/07/23	
Surrogate: 1,2-Dichloroethane-d4		98.4 %	70-130	04	/07/23	04/07/23	
Surrogate: Toluene-d8		102 %	70-130	04	/07/23	04/07/23	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	1	Analyst: IY			Batch: 2314047
Gasoline Range Organics (C6-C10)	ND	20.0	1	. 04	/07/23	04/07/23	
Surrogate: Bromofluorobenzene		91.8 %	70-130	04	/07/23	04/07/23	
Surrogate: 1,2-Dichloroethane-d4		98.4 %	70-130	04	/07/23	04/07/23	
Surrogate: Toluene-d8		102 %	70-130	04.	/07/23	04/07/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	1	Analyst: JL			Batch: 2315001
Diesel Range Organics (C10-C28)	ND	25.0	1	. 04	/10/23	04/11/23	
Oil Range Organics (C28-C36)	ND	50.0	1	. 04	/10/23	04/11/23	
Surrogate: n-Nonane		111 %	50-200	04	/10/23	04/11/23	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	1	Analyst: BA			Batch: 2314058
Chloride	ND	20.0	1	. 04	/07/23	04/08/23	



Sample Data										
Pima Environmental Services-Carlsbad	Project Name		t Pearl Que	een						
PO Box 247	Project Num		54-0001				Reported:			
Plains TX, 79355-0247	Project Mana	ager: Tom	Bynum				4/13/2023 10:24:08AM			
		SW10								
	E304030-14									
	Reporting									
Analyte	Result	Limit	Dil	ution	Prepared	Analyzed	Notes			
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst	: IY		Batch: 2314047			
Benzene	ND	0.0250		1	04/07/23	04/07/23				
Ethylbenzene	ND	0.0250		1	04/07/23	04/07/23				
Toluene	ND	0.0250		1	04/07/23	04/07/23				
p-Xylene	ND	0.0250		1	04/07/23	04/07/23				
p,m-Xylene	ND	0.0500		1	04/07/23	04/07/23				
Total Xylenes	ND	0.0250		1 04/07/23		04/07/23				
Surrogate: Bromofluorobenzene		92.8 %	70-130		04/07/23	04/07/23				
Surrogate: 1,2-Dichloroethane-d4		98.0 %	70-130		04/07/23	04/07/23				
Surrogate: Toluene-d8		103 %	70-130		04/07/23	04/07/23				
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst	: IY		Batch: 2314047			
Gasoline Range Organics (C6-C10)	ND	20.0		1	04/07/23	04/07/23				
Surrogate: Bromofluorobenzene		92.8 %	70-130		04/07/23	04/07/23				
Surrogate: 1,2-Dichloroethane-d4		98.0 %	70-130		04/07/23	04/07/23				
Surrogate: Toluene-d8		103 %	70-130		04/07/23	04/07/23				
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst	: ЛL		Batch: 2315001			
Diesel Range Organics (C10-C28)	ND	25.0		1	04/10/23	04/11/23				
Oil Range Organics (C28-C36)	ND	50.0		1	04/10/23	04/11/23				
Surrogate: n-Nonane		111 %	50-200		04/10/23	04/11/23				
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst	BA		Batch: 2314058			
Chloride	ND	20.0		1	04/07/23	04/08/23				

# QC Summary Data

Pima Environmental Services-Carlsbad		Project Name:		est Pearl Queer	1				Reported:
PO Box 247		Project Number:		064-0001					
Plains TX, 79355-0247		Project Manager:	To	om Bynum				4/	13/2023 10:24:08AM
		Volatile Organic	Analyst: IY						
Analyte		Reporting	Spike	Source		Rec		RPD	
, mary to	Result	Limit	Level	Result	Rec	Limits	RPD	Limit	
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
Blank (2314047-BLK1)							Prepared: 04	4/06/23 Ana	lyzed: 04/06/23
Benzene	ND	0.0250							-
Ethylbenzene	ND	0.0250							
Toluene	ND	0.0250							
o-Xylene	ND	0.0250							
p,m-Xylene	ND	0.0500							
Total Xylenes	ND	0.0250							
Surrogate: Bromofluorobenzene	0.488		0.500		97.6	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.513		0.500		103	70-130			
Surrogate: Toluene-d8	0.508		0.500		102	70-130			
LCS (2314047-BS1)							Prepared: 04	4/06/23 Ana	lyzed: 04/06/23
Benzene	2.32	0.0250	2.50		92.7	70-130			
Ethylbenzene	2.31	0.0250	2.50		92.3	70-130			
Toluene	2.27	0.0250	2.50		90.8	70-130			
p-Xylene	2.35	0.0250	2.50		93.9	70-130			
o,m-Xylene	4.56	0.0500	5.00		91.1	70-130			
Fotal Xylenes	6.90	0.0250	7.50		92.0	70-130			
Surrogate: Bromofluorobenzene	0.515	0.0250	0.500		103	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.522		0.500		104	70-130			
Surrogate: Toluene-d8	0.322		0.500		99.6	70-130			
Matrix Spike (2314047-MS1)				Source: E	304022-	02	Prepared: 04	4/06/23 Ana	lyzed: 04/06/23
Benzene	2.35	0.0250	2.50	ND	94.2	48-131	1 .		<u> </u>
Ethylbenzene	2.35	0.0250	2.50	ND	93.9	45-135			
Toluene	2.35	0.0250	2.50	ND	93.9 91.9	48-130			
	2.30	0.0250	2.50	ND	91.9 95.0	43-130			
p-Xylene	4.64		5.00	ND	93.0 92.7	43-135			
o,m-Xylene Fotal Xylanas	7.01	0.0500 0.0250	7.50	ND	92.7 93.5	43-135			
Fotal Xylenes Surrogate: Bromofluorobenzene	0.508	0.0250	0.500	110	102	70-130			
surrogate: Bromojuorobenzene Surrogate: 1,2-Dichloroethane-d4			0.500		102	70-130			
surrogate: 1,2-Dichtoroethane-a4 Surrogate: Toluene-d8	0.525 0.498		0.500		99.6	70-130			
Matrix Spike Dup (2314047-MSD1)				Source: E			Prepared: 04	4/06/23 Ans	lyzed: 04/06/23
Benzene	2.44	0.0250	2.50	ND	97.5	48-131	3.42	23	
Ethylbenzene	2.44	0.0250	2.50	ND	98.0	45-131	4.19	23	
-	2.45	0.0250	2.50	ND	95.3	48-130	3.63	27	
Foluene	2.38		2.50	ND	93.3 99.7	43-130	4.85	24 27	
p-Xylene		0.0250			99.7 97.0	43-135			
o,m-Xylene Fotal Xylenes	4.85 7.34	0.0500 0.0250	5.00 7.50	ND ND	97.0 97.9	43-135 43-135	4.49 4.61	27 27	
Surrogate: Bromofluorobenzene	0.515	0.0230	0.500		103	70-130	1.01		
			0.500		105	70-130			
The second secon									
Surrogate: 1,2-Dichloroethane-d4 Surrogate: Toluene-d8	0.531 0.491		0.500		98.2	70-130			



# **QC Summary Data**

		QC D	u 1111111	ary Data							
Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247		Project Name: Project Number: Project Manager:	2	Vest Pearl Queen 1064-0001 Tom Bynum	1				<b>Reported:</b> 4/13/2023 10:24:08AM		
	N	onhalogenated O	rganics	by EPA 8015	5D - GR	0			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 (2314047-BLK1)							Prepared: 0	4/06/23 A	Analyzed: 04/06/23		
Gasoline Range Organics (C6-C10)	ND	20.0									
Surrogate: Bromofluorobenzene	0.488		0.500		97.6	70-130					
Surrogate: 1,2-Dichloroethane-d4	0.513		0.500		103	70-130					
Surrogate: Toluene-d8	0.508		0.500		102	70-130					
LCS (2314047-BS2)							Prepared: 0	4/06/23 A	Analyzed: 04/07/23		
Gasoline Range Organics (C6-C10)	51.1	20.0	50.0		102	70-130					
Surrogate: Bromofluorobenzene	0.504		0.500		101	70-130					
Surrogate: 1,2-Dichloroethane-d4	0.500		0.500		100	70-130					
Surrogate: Toluene-d8	0.506		0.500		101	70-130					
Matrix Spike (2314047-MS2)				Source: E	304022-02	2	Prepared: 0	4/06/23 A	Analyzed: 04/06/23		
Gasoline Range Organics (C6-C10)	45.4	20.0	50.0	ND	90.9	70-130					
Surrogate: Bromofluorobenzene	0.501		0.500		100	70-130					
Surrogate: 1,2-Dichloroethane-d4	0.519		0.500		104	70-130					
Surrogate: Toluene-d8	0.502		0.500		100	70-130					
Matrix Spike Dup (2314047-MSD2)				Source: E	304022-02	2	Prepared: 0	4/06/23 A	Analyzed: 04/06/23		
Gasoline Range Organics (C6-C10)	47.3	20.0	50.0	ND	94.7	70-130	4.10	20			
Surrogate: Bromofluorobenzene	0.513		0.500		103	70-130					
Surrogate: 1,2-Dichloroethane-d4	0.519		0.500		104	70-130					
Surrogate: Toluene-d8	0.503		0.500		101	70-130					



# **QC Summary Data**

		$\mathbf{x} \in \mathbf{z}$		ary Data					
Pima Environmental Services-Carlsbad PO Box 247		Project Name: Project Number:		West Pearl Queen 21064-0001	1				Reported:
Plains TX, 79355-0247		Project Manager:		Tom Bynum					4/13/2023 10:24:08AM
	Nonh	alogenated Org	anics by	y EPA 8015D	- DRO	/ORO			Analyst: JL
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
Blank (2315001-BLK1)							Prepared: 0	4/10/23 A	Analyzed: 04/10/23
Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	56.0		50.0		112	50-200			
LCS (2315001-BS1)							Prepared: 0	4/10/23 A	Analyzed: 04/10/23
Diesel Range Organics (C10-C28)	317	25.0	250		127	38-132			
Surrogate: n-Nonane	52.1		50.0		104	50-200			
Matrix Spike (2315001-MS1)				Source: E	304030-	01	Prepared: 0	4/10/23 A	Analyzed: 04/11/23
Diesel Range Organics (C10-C28)	695	25.0	250	407	115	38-132			
Surrogate: n-Nonane	55.7		50.0		111	50-200			
Matrix Spike Dup (2315001-MSD1)				Source: E	304030-	01	Prepared: 0	4/10/23 A	Analyzed: 04/11/23
Diesel Range Organics (C10-C28)	710	25.0	250	407	121	38-132	2.11	20	
Surrogate: n-Nonane	52.4		50.0		105	50-200			



## **QC Summary Data**

		• • •	-		-				
Pima Environmental Services-Carlsbad		Project Name:	v	West Pearl Quee	n				Reported:
PO Box 247		Project Number:	2	21064-0001					•
Plains TX, 79355-0247		Project Manager:	Т	Tom Bynum					4/13/2023 10:24:08AM
		Anions	by EPA	300.0/9056A					Analyst: BA
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
Blank (2314058-BLK1)							Prepared: 0	4/07/23 A	Analyzed: 04/07/23
Chloride	ND	20.0							
LCS (2314058-BS1)							Prepared: 0	4/07/23 A	Analyzed: 04/07/23
Chloride	258	20.0	250		103	90-110			
Matrix Spike (2314058-MS1)				Source: I	E <b>304030-</b> (	01	Prepared: 0	4/07/23 A	Analyzed: 04/07/23
Chloride	256	20.0	250	ND	102	80-120			
Matrix Spike Dup (2314058-MSD1)				Source: I	E <b>304030-</b> (	)1	Prepared: 0	4/07/23 A	Analyzed: 04/07/23
Chloride	260	20.0	250	ND	104	80-120	1.45	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:	West Pearl Queen	
PO Box 247	Project Number:	21064-0001	Reported:
Plains TX, 79355-0247	Project Manager:	Tom Bynum	04/13/23 10:24

ND	Analyte NOT DETECTED at or above the reporting limit
1.12	many to rist BETECTED at of accite and reporting minit

NR Not Reported

RPD Relative Percent Difference

DNI Did Not Ignite

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

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



roject: A	ma Envi Jest Pe anager:	arl 1	Jucen	Attention: Pina Bill To Address:		Lab E	wo#			Job I	Number	1D		TAT D Standard	CWA	SDWA
ddress: ity, State	56 14 N. e, Zīp Ho 80-748-	Lovingto	on Hwy.	City, State, Zip Phone: Email:		-	Γ			Analy	vsis and Metho	d			State	RCRA
mail: to eport du	om@pin	naoil.cor	n	Pima Project # 19-12	1 - 1 - 2	DRO/ORO by 8015	GRO/DRO by 8015	BTEX by 8021	VOC by 8260	Metals 6010	Chloride 300.0	DC NM	XL O	×	UT AZ	
Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Lab Number	DRO/0	GRO/	BTEX	voch	Metal	Chlori	BGDOC	BGDO		Remarks	<u> </u>
	4/ 5/23	Soil	1-202	57-10'	1							X				
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				sul	5							1				
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			×	SW3	7							1				
				Sw4	8							11				
				sw5	9							1				
	1	L	11	SWB	10							1				
	al Instruc													be received on ice the d	w they are can	anled or rece
				ticity of this sample. I am aware that tampering with or intentionally misl may be grounds for legal action. <u>Sampled by:</u>	abelling the samp					Samp packs	bles requiring therma ed in ice at an avg ter	mp abov	e 0 but less	than 6 °C on subsequent	days.	
Relinquishe	ed by: (Sign	ature .	Date	16/23 Time Received by: (Signature)	Date 4-6 - Date		Time	500	>	Rec	ceived on ice:		Lab Use	r and and and a second seco	n din Second	y.
Relinquishe	ed by: (Sign	ature)	Date	e Time Received by: (Signature) -623 Z330 G, Ha Chit	Date 4/7/	23	Time 8:	15		AV	G Temp °C	$\frac{12}{4}$		<u>T3</u>		
Sample Matr	plac are dis	05 hebrer	lavs after n	Aqueous, O - Other esults a re reported unless other arrangements are made. Hazard received by the laboratory with this COC. The liability of the labor	lous samples w	ill be r	eturne	ed to cl	lient c	ooly/por disp	plastic, ag - am posed of at the cl	ber g lient e	xpense.	The report for the a	analysis of th	ne above

ient. Di	ima Envir	Conment	al Servic	es	1	Bill To				Lab	Use	Onl	1				TAT			rogram
oiect:	West Pe	arl Q	vecn		Attention:	Ving	Lab WO# Job Number					umbe	r	1D	2D	3D S	tandard	CWA	SDW/	
oject N	lan ager:	Tom By	num		Address:			E30	HO	30				1000		0.43		X		RCRA
	5614 N.				City, State, 2	Zip		-			A	nalys	is and	Method				-		IXCIN-
	e,Zip Ho		1, 88240		Phone:					1.1									State	1
hone: 5	580-748-	<u>1613</u>			Email:	10.10		8015	801				0					NM CO	UTA	TX
eport di	tom@pim	aoii.con	1		Pima Proj	ect#/9-12		O by	0 by	8023	2200	010	300		NN	¥		X		
Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID			Lab Number	DRO/ORO by 8015	GRO/DRO by 8015	BTEX by 8021	VUC by 8260	Metals 6010	Chloride 300.0		BGDOC	BGDOC			Remark	s
	4/5/23	Sorl	1-402		SW7		11								X					
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Addition	al Instruc	tions:	1			¥.	- <del> </del>	اب خاه												
				icity of this sample. I a may be grounds for lega		ring with or intentionally mislabel Sampled by:	lling the sample	e location	n,		1	Sample packed	s requirir in ice at	ng thermal an avg tem	ip above	0 but le	ss than 6 °C	ved on ice the da Con subsequent	y they are sa days.	mpled or rec
	ed by: (Signa		Date	Time	D Receive	d by: (Signature)	Date 4-6-	23	Time	50			ived o	on ice:	E	ab Us Q/ N	se Only			
Mich	ed by: (Signa	curte	Date	-6-23 17	45 Ko	a by: (Signature)	Date 4-6-2		Time 179	45		<u> 11:</u>			<u>T2</u>			<u></u> <u>T3</u>	<u>kan da</u>	2. 17.1
11	ed by: (Signa	len-	Date 4		330 Receive	d by: (Signature)	4/7/2	3	8:	15		AVG	Tem	°C 4	4		VOA			- ite
Sample Mat	trix: 🜮 Soil, Sc	d - Solid, Sg -	Sludge, A - A	Aqueous, O - Other		ements are made. Hazardou:	Containe	r Type:	:g-g	to clier	- po	dispo	astic, a	ig - anni at the cli	ent ex	pense.	The rer	port for the a	nalysis of t	he above
Note: Sam	ples are disc	carded 30 c	lays after re	esuits are reported up	mess other arrang	C. The liability of the laborato	ry is limited t	to the ar	moun	t paid f	oron	n the	eport.	is the off			Contraction of the	a de la compañía de		

#### **Envirotech Analytical Laboratory**

Sample Receipt Checklist (SRC)

Client:	Pima Environmental Services-Carlsbad	Date Received:	04/07/23 08:	15	Work Order ID: E304030
Phone:	(575) 631-6977	Date Logged In:	04/07/23 08:	51	Logged In By: Caitlin Christian
Email:	tom@pimaoil.com	Due Date:	04/13/23 17:	00 (4 day TAT)	
Chain of	f Custody (COC)				
1. Does t	the sample ID match the COC?		Yes		
2. Does t	the number of samples per sampling site location mate	ch the COC	Yes		
3. Were s	samples dropped off by client or carrier?		Yes	Carrier: C	Courier
4. Was th	ne COC complete, i.e., signatures, dates/times, request	ted analyses?	No	_	
5. Were a	all samples received within holding time? Note: Analysis, such as pH which should be conducted in		Yes		Comments/Resolution
а I <i>I</i>	i.e, 15 minute hold time, are not included in this disucssio	n.			<u>Comments/Resolution</u>
	Turn Around Time (TAT)		Ver		Project West Pearl Queen has been
	e COC indicate standard TAT, or Expedited TAT?		Yes		
Sample (			Ver		separated into 2 reports due to sample
	sample cooler received? was cooler received in good condition?		Yes		volume. Workorders are as follows:
-			Yes		E304029 & E304030. Time sampled not
	he sample(s) received intact, i.e., not broken?		Yes		provided on COC per cleint.
	custody/security seals present?		No		
•	s, were custody/security seals intact?		NA		
12. Was th	he 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 <sup>c</sup>	Ċ		
	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		
17. Was ;	a trip blank (TB) included for VOC analyses?		NA		
18. Are r	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	bel				
20. Were	field sample labels filled out with the minimum info	rmation:			
	Sample ID?		Yes		
	Date/Time Collected? Collectors name?		Yes		
			No		
_	<u>Preservation</u> the COC or field labels indicate the samples were pro	eserved?	No		
	sample(s) correctly preserved?		NA		
	o filteration required and/or requested for dissolved m	etals?	No		
	ase Sample Matrix		1.0		
	the sample have more than one phase, i.e., multiphas	se?	No		
	s, does the COC specify which phase(s) is to be analy		NO		
	, does no coo speeny when phase(s) is to be analy	200.	INA		
•					
Subcont	ract Laboratory	0			
Subcont 28. Are s	ract Laboratory_ samples required to get sent to a subcontract laborator a subcontract laboratory specified by the client and if	-	No NA S	ubcontract Lab	

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



•



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:** 

West Pearl Queen

Work Order: E304029

Job Number: 21064-0001

Received: 4/7/2023

Revision: 1

Report Reviewed By:

Walter Hinchman Laboratory Director 4/13/23

Envirotech Inc. certifies the test results meet all requirements of TNI unless noted otherwise. Statement of Data Authenticity: Envirotech Inc, attests the data reported has not been altered in any way. Partial or incomplete reproduction of this report is prohibited, unless approved by Envirotech Inc. Envirotech Inc, holds the Utah TNI certification NM00979 for data reported. Envirotech Inc, holds the Texas TNI certification T104704557 for data reported. Date Reported: 4/13/23

Tom Bynum PO Box 247 Plains, TX 79355-0247

Project Name: West Pearl Queen Workorder: E304029 Date Received: 4/7/2023 8:15:00AM

Tom Bynum,



Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 4/7/2023 8:15:00AM, under the Project Name: West Pearl Queen.

The analytical test results summarized in this report with the Project Name: West Pearl Queen 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 Technical Representative/Client Services

Office: 505-421-LABS(5227) Cell: 505-320-4759 ljarboe@envirotech-inc.com

Released to Imaging: 4/22/2025 1:39:40 PM

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

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

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#### Sample Summary

		Sample Sum	mary		
Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247		Project Name: Project Number: Project Manager:	West Pearl Queen 21064-0001 Tom Bynum		<b>Reported:</b> 04/13/23 13:59
lient Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
1 - 4'	E304029-01A	Soil	04/05/23	04/07/23	Glass Jar, 2 oz.
1 - 6'	E304029-02A	Soil	04/05/23	04/07/23	Glass Jar, 2 oz.
1 - 8'	E304029-03A	Soil	04/05/23	04/07/23	Glass Jar, 2 oz.
2 - 10'	E304029-04A	Soil	04/05/23	04/07/23	Glass Jar, 2 oz.
2 - 12'	E304029-05A	Soil	04/05/23	04/07/23	Glass Jar, 2 oz.
2 - 14'	E304029-06A	Soil	04/05/23	04/07/23	Glass Jar, 2 oz.
3 - Surface	E304029-07A	Soil	04/05/23	04/07/23	Glass Jar, 2 oz.
3 - 2'	E304029-08A	Soil	04/05/23	04/07/23	Glass Jar, 2 oz.
3 - 4'	E304029-09A	Soil	04/05/23	04/07/23	Glass Jar, 2 oz.
4 - 3'	E304029-10A	Soil	04/05/23	04/07/23	Glass Jar, 2 oz.
4 - 5'	E304029-11A	Soil	04/05/23	04/07/23	Glass Jar, 2 oz.
4 - 7'	E304029-12A	Soil	04/05/23	04/07/23	Glass Jar, 2 oz.
5 - 3'	E304029-13A	Soil	04/05/23	04/07/23	Glass Jar, 2 oz.
5 - 5'	E304029-14A	Soil	04/05/23	04/07/23	Glass Jar, 2 oz.
5 - 7'	E304029-15A	Soil	04/05/23	04/07/23	Glass Jar, 2 oz.
6 - 3'	E304029-16A	Soil	04/05/23	04/07/23	Glass Jar, 2 oz.
6 - 5'	E304029-17A	Soil	04/05/23	04/07/23	Glass Jar, 2 oz.
6 - 7'	E304029-18A	Soil	04/05/23	04/07/23	Glass Jar, 2 oz.
7 - 6'	E304029-19A	Soil	04/05/23	04/07/23	Glass Jar, 2 oz.
7 - 8'	E304029-20A	Soil	04/05/23	04/07/23	Glass Jar, 2 oz.



		mpic D					
Pima Environmental Services-Carlsbad	Project Name:	Wes	t Pearl Que	een			
PO Box 247	Project Numbe	r: 2106	54-0001				Reported:
Plains TX, 79355-0247	Project Manage	er: Tom	Tom Bynum				4/13/2023 1:59:22PM
		S1 - 4'					
	]	E304029-01					
		Reporting					
Analyte	Result	Limit	Dilu	ution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst:	SL		Batch: 2314055
Benzene	ND	0.0250		1	04/07/23	04/07/23	
Ethylbenzene	ND	0.0250		1	04/07/23	04/07/23	
Toluene	ND	0.0250		1	04/07/23	04/07/23	
p-Xylene	ND	0.0250		1	04/07/23	04/07/23	
o,m-Xylene	ND	0.0500		1	04/07/23	04/07/23	
Total Xylenes	ND	0.0250		1	04/07/23	04/07/23	
Surrogate: Bromofluorobenzene		98.9 %	70-130		04/07/23	04/07/23	
Surrogate: 1,2-Dichloroethane-d4		117 %	70-130		04/07/23	04/07/23	
Surrogate: Toluene-d8		101 %	70-130		04/07/23	04/07/23	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: SL			Batch: 2314055
Gasoline Range Organics (C6-C10)	ND	20.0		1	04/07/23	04/07/23	
Surrogate: Bromofluorobenzene		98.9 %	70-130		04/07/23	04/07/23	
Surrogate: 1,2-Dichloroethane-d4		117 %	70-130		04/07/23	04/07/23	
Surrogate: Toluene-d8		101 %	70-130		04/07/23	04/07/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst:	JL		Batch: 2314059
Diesel Range Organics (C10-C28)	36.8	25.0		1	04/07/23	04/10/23	
Dil Range Organics (C28-C36)	54.8	50.0		1	04/07/23	04/10/23	
Surrogate: n-Nonane		96.6 %	50-200		04/07/23	04/10/23	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst:	RAS		Batch: 2314057
Chloride	524	20.0		1	04/07/23	04/07/23	



	S	ample D	ata				
Pima Environmental Services-Carlsbad	Project Name	e: Wes	t Pearl Qu	een			
	Project Numb		64-0001				Reported:
Plains TX, 79355-0247	Project Mana	iger: Tom	Bynum	4/13/2023 1:59:22PM			
		S1 - 6'					
		E304029-02					
		Reporting					
Analyte	Result	Limit	Di	lution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst:	SL		Batch: 2314055
Benzene	ND	0.0250		1	04/07/23	04/07/23	
Ethylbenzene	ND	0.0250		1	04/07/23	04/07/23	
Toluene	ND	0.0250		1	04/07/23	04/07/23	
o-Xylene	ND	0.0250		1	04/07/23	04/07/23	
o,m-Xylene	ND	0.0500		1	04/07/23	04/07/23	
Fotal Xylenes	ND	0.0250		1	04/07/23	04/07/23	
Surrogate: Bromofluorobenzene		98.8 %	70-130		04/07/23	04/07/23	
Surrogate: 1,2-Dichloroethane-d4		114 %	70-130		04/07/23	04/07/23	
Surrogate: Toluene-d8		102 %	70-130		04/07/23	04/07/23	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst:	SL		Batch: 2314055
Gasoline Range Organics (C6-C10)	ND	20.0		1	04/07/23	04/07/23	
Surrogate: Bromofluorobenzene		98.8 %	70-130		04/07/23	04/07/23	
Surrogate: 1,2-Dichloroethane-d4		114 %	70-130		04/07/23	04/07/23	
Surrogate: Toluene-d8		102 %	70-130		04/07/23	04/07/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst:	JL		Batch: 2314059
Diesel Range Organics (C10-C28)	ND	25.0		1	04/07/23	04/10/23	
Dil Range Organics (C28-C36)	ND	50.0		1	04/07/23	04/10/23	
Surrogate: n-Nonane		94.2 %	50-200		04/07/23	04/10/23	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst:	RAS		Batch: 2314057
Chloride	749	20.0		1	04/07/23	04/07/23	

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	S	Sample D	ata				
	Project Name		t Pearl Qu	een			
	Project Num		54-0001				Reported:
Plains TX, 79355-0247	Project Mana	ager: Tom	Bynum				4/13/2023 1:59:22PM
		S1 - 8'					
		E304029-03					
		Reporting					
Analyte	Result	Limit	Di	lution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst	: SL		Batch: 2314055
Benzene	ND	0.0250		1	04/07/23	04/07/23	
Ethylbenzene	ND	0.0250		1	04/07/23	04/07/23	
Toluene	ND	0.0250		1	04/07/23	04/07/23	
o-Xylene	ND	0.0250		1	04/07/23	04/07/23	
p,m-Xylene	ND	0.0500		1	04/07/23	04/07/23	
Total Xylenes	ND	0.0250		1	04/07/23	04/07/23	
Surrogate: Bromofluorobenzene		98.7 %	70-130		04/07/23	04/07/23	
Surrogate: 1,2-Dichloroethane-d4		113 %	70-130		04/07/23	04/07/23	
Surrogate: Toluene-d8		102 %	70-130		04/07/23	04/07/23	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst	: SL		Batch: 2314055
Gasoline Range Organics (C6-C10)	ND	20.0		1	04/07/23	04/07/23	
Surrogate: Bromofluorobenzene		98.7 %	70-130		04/07/23	04/07/23	
Surrogate: 1,2-Dichloroethane-d4		113 %	70-130		04/07/23	04/07/23	
Surrogate: Toluene-d8		102 %	70-130		04/07/23	04/07/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst	: ЛL		Batch: 2314059
Diesel Range Organics (C10-C28)	ND	25.0		1	04/07/23	04/10/23	
Oil Range Organics (C28-C36)	ND	50.0		1	04/07/23	04/10/23	
Surrogate: n-Nonane		95.4 %	50-200		04/07/23	04/10/23	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst	RAS		Batch: 2314057
Chloride	1150	20.0		1	04/07/23	04/07/23	



	S	ample Da	ata				
Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247	Project Name Project Numb Project Manag	ber: 2106	t Pearl Qu 54-0001 Bynum		<b>Reported:</b> 4/13/2023 1:59:22PM		
		S2 - 10'					
		E304029-04					
		Reporting					
Analyte	Result	Limit	Di	lution	Prepared	Analyzed	Notes
<b>Tolatile Organic Compounds by EPA 8260B</b>	mg/kg	mg/kg		Analyst	SL		Batch: 2314055
enzene	ND	0.0250		1	04/07/23	04/07/23	
thylbenzene	ND	0.0250		1	04/07/23	04/07/23	
oluene	ND	0.0250		1	04/07/23	04/07/23	
-Xylene	ND	0.0250		1	04/07/23	04/07/23	
,m-Xylene	ND	0.0500		1	04/07/23	04/07/23	
otal Xylenes	ND	0.0250		1	04/07/23	04/07/23	
urrogate: Bromofluorobenzene		98.7 %	70-130		04/07/23	04/07/23	
urrogate: 1,2-Dichloroethane-d4		113 %	70-130		04/07/23	04/07/23	
urrogate: Toluene-d8		102 %	70-130		04/07/23	04/07/23	
onhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst	SL		Batch: 2314055
asoline Range Organics (C6-C10)	ND	20.0		1	04/07/23	04/07/23	
urrogate: Bromofluorobenzene		98.7 %	70-130		04/07/23	04/07/23	
urrogate: 1,2-Dichloroethane-d4		113 %	70-130		04/07/23	04/07/23	
urrogate: Toluene-d8		102 %	70-130		04/07/23	04/07/23	
onhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst:	JL		Batch: 2314059
viesel Range Organics (C10-C28)	138	125		5	04/07/23	04/11/23	
0 Pil Range Organics (C28-C36)	304	250		5	04/07/23	04/11/23	
urrogate: n-Nonane		103 %	50-200		04/07/23	04/11/23	
anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst:	RAS		Batch: 2314057
hloride	448	20.0		1	04/07/23	04/07/23	



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Released to Imaging: 4/22/2025 1:39:40 PM

	S	Sample D	ata			
Pima Environmental Services-Carlsbad	Project Nam	e: Wes	t Pearl Queen			
PO Box 247	Project Num	ber: 2100	54-0001			Reported:
Plains TX, 79355-0247	Project Man	ager: Tom	Bynum			4/13/2023 1:59:22PM
		S2 - 12'				
		E304029-05				
		Reporting				
Analyte	Result	Limit	Dilutio	n Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	An	alyst: SL		Batch: 2314055
Benzene	ND	0.0250	1	04/07/23	04/07/23	
Ethylbenzene	ND	0.0250	1	04/07/23	04/07/23	
Toluene	ND	0.0250	1	04/07/23	04/07/23	
o-Xylene	ND	0.0250	1	04/07/23	04/07/23	
p,m-Xylene	ND	0.0500	1	04/07/23	04/07/23	
Total Xylenes	ND	0.0250	1	04/07/23	04/07/23	
Surrogate: Bromofluorobenzene		99.3 %	70-130	04/07/23	04/07/23	
Surrogate: 1,2-Dichloroethane-d4		109 %	70-130	04/07/23	04/07/23	
Surrogate: Toluene-d8		102 %	70-130	04/07/23	04/07/23	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	An	alyst: SL		Batch: 2314055
Gasoline Range Organics (C6-C10)	ND	20.0	1	04/07/23	04/07/23	
Surrogate: Bromofluorobenzene		99.3 %	70-130	04/07/23	04/07/23	
Surrogate: 1,2-Dichloroethane-d4		109 %	70-130	04/07/23	04/07/23	
Surrogate: Toluene-d8		102 %	70-130	04/07/23	04/07/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	) mg/kg	mg/kg	An	alyst: JL		Batch: 2314059
Diesel Range Organics (C10-C28)	105	50.0	2	04/07/23	04/11/23	
Oil Range Organics (C28-C36)	210	100	2	04/07/23	04/11/23	
Surrogate: n-Nonane		103 %	50-200	04/07/23	04/11/23	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	An	alyst: RAS		Batch: 2314057

 Anions by EPA 300.0/9056A
 mg/kg
 mg/kg
 Analyst: RAS

 Chloride
 47.3
 20.0
 1
 04/07/23
 04/07/23

	S	Sample D	ata			
Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247	Project Nam Project Num Project Man	ber: 2100	t Pearl Queen 64-0001 1 Bynum			<b>Reported:</b> 4/13/2023 1:59:22PM
		S2 - 14'				
		E304029-06				
		Reporting				
Analyte	Result	Limit	Dilutic	n Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Ar	nalyst: SL		Batch: 2314055
Benzene	ND	0.0250	1	04/07/23	04/07/23	
Ethylbenzene	ND	0.0250	1	04/07/23	04/07/23	
Toluene	ND	0.0250	1	04/07/23	04/07/23	
o-Xylene	ND	0.0250	1	04/07/23	04/07/23	
p,m-Xylene	ND	0.0500	1	04/07/23	04/07/23	
Total Xylenes	ND	0.0250	1	04/07/23	04/07/23	
Surrogate: Bromofluorobenzene		97.8 %	70-130	04/07/23	04/07/23	
Surrogate: 1,2-Dichloroethane-d4		113 %	70-130	04/07/23	04/07/23	
Surrogate: Toluene-d8		101 %	70-130	04/07/23	04/07/23	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Ar	nalyst: SL		Batch: 2314055
Gasoline Range Organics (C6-C10)	ND	20.0	1	04/07/23	04/07/23	
Surrogate: Bromofluorobenzene		97.8 %	70-130	04/07/23	04/07/23	
Surrogate: 1,2-Dichloroethane-d4		113 %	70-130	04/07/23	04/07/23	
Surrogate: Toluene-d8		101 %	70-130	04/07/23	04/07/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORC	) mg/kg	mg/kg	Ar	alyst: JL		Batch: 2314059
Diesel Range Organics (C10-C28)	268	50.0	2	04/07/23	04/11/23	
Oil Range Organics (C28-C36)	441	100	2	04/07/23	04/11/23	
Surrogate: n-Nonane		101 %	50-200	04/07/23	04/11/23	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Ar	alyst: RAS		Batch: 2314057

 Chloride
 ND
 20.0
 1
 04/07/23
 04/07/23

	D.	ample D	ata					
Pima Environmental Services-Carlsbad	Project Name:	Wes	t Pearl Que	een				
PO Box 247	Project Number	er: 2106	54-0001				Reported:	
Plains TX, 79355-0247	Project Manag	ger: Tom	Bynum				4/13/2023 1:59:22PM	
	S	83 - Surface						
		E304029-07						
		Reporting						
Analyte	Result	Limit	Dilı	ution	Prepared	Analyzed	Notes	
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst:	SL		Batch: 2314055	
Benzene	ND	0.0250		1	04/07/23	04/07/23		
Ethylbenzene	ND	0.0250		1	04/07/23	04/07/23		
Toluene	ND	0.0250		1	04/07/23	04/07/23		
-Xylene	ND	0.0250		1	04/07/23	04/07/23		
,m-Xylene	ND	0.0500		1	04/07/23	04/07/23		
Total Xylenes	ND	0.0250		1	04/07/23	04/07/23		
Surrogate: Bromofluorobenzene		99.2 %	70-130		04/07/23	04/07/23		
Surrogate: 1,2-Dichloroethane-d4		116 %	70-130		04/07/23	04/07/23		
urrogate: Toluene-d8		104 %	70-130		04/07/23	04/07/23		
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst:	SL		Batch: 2314055	
Gasoline Range Organics (C6-C10)	ND	20.0		1	04/07/23	04/07/23		
Surrogate: Bromofluorobenzene		99.2 %	70-130		04/07/23	04/07/23		
Surrogate: 1,2-Dichloroethane-d4		116 %	70-130		04/07/23	04/07/23		
urrogate: Toluene-d8		104 %	70-130		04/07/23	04/07/23		
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst:	JL		Batch: 2314059	
Diesel Range Organics (C10-C28)	ND	25.0		1	04/07/23	04/10/23		
Dil Range Organics (C28-C36)	ND	50.0		1	04/07/23	04/10/23		
Surrogate: n-Nonane		98.0 %	50-200		04/07/23	04/10/23		
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst:	RAS		Batch: 2314057	
Chloride	ND	20.0		1	04/07/23	04/07/23		



	5	ample D	ลเล					
Pima Environmental Services-Carlsbad	Project Name:		t Pearl Que	en				
PO Box 247	Project Number	er: 2100	64-0001				Reported:	
Plains TX, 79355-0247	Project Manager: Tom Bynum						4/13/2023 1:59:22PM	
		S3 - 2'						
		E304029-08						
		Reporting						
Analyte	Result	Limit	Dilu	tion	Prepared	Analyzed	Notes	
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst: Sl	L		Batch: 2314055	
Benzene	ND	0.0250	1	l	04/07/23	04/07/23		
Ethylbenzene	ND	0.0250	1	l	04/07/23	04/07/23		
Toluene	ND	0.0250	1	l	04/07/23	04/07/23		
p-Xylene	ND	0.0250	1	l	04/07/23	04/07/23		
o,m-Xylene	ND	0.0500	1	l	04/07/23	04/07/23		
Total Xylenes	ND	0.0250	1	l	04/07/23	04/07/23		
Surrogate: Bromofluorobenzene		99.0 %	70-130		04/07/23	04/07/23		
Surrogate: 1,2-Dichloroethane-d4		109 %	70-130		04/07/23	04/07/23		
Surrogate: Toluene-d8		103 %	70-130		04/07/23	04/07/23		
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	-	Analyst: Sl	L		Batch: 2314055	
Gasoline Range Organics (C6-C10)	ND	20.0	1	l	04/07/23	04/07/23		
Surrogate: Bromofluorobenzene		99.0 %	70-130		04/07/23	04/07/23		
Surrogate: 1,2-Dichloroethane-d4		109 %	70-130		04/07/23	04/07/23		
Surrogate: Toluene-d8		103 %	70-130		04/07/23	04/07/23		
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: JI			Batch: 2314059	
Diesel Range Organics (C10-C28)	ND	25.0	1	l	04/07/23	04/10/23		
Dil Range Organics (C28-C36)	ND	50.0	1	l	04/07/23	04/10/23		
Surrogate: n-Nonane		100 %	50-200		04/07/23	04/10/23		
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: R	AS		Batch: 2314057	
Chloride	135	20.0	1	1	04/07/23	04/07/23		



	D	ample D	ata				
Pima Environmental Services-Carlsbad	Project Name		t Pearl Que	en			
PO Box 247	Project Numb		54-0001				Reported:
Plains TX, 79355-0247	Project Manag	ger: Tom	Bynum			4/13/2023 1:59:22PM	
		S3 - 4'					
		E304029-09					
		Reporting					
Analyte	Result	Limit	Dilu	tion	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst: SI	_		Batch: 2314055
Benzene	ND	0.0250	1	l	04/07/23	04/07/23	
Ethylbenzene	ND	0.0250	1	l	04/07/23	04/07/23	
Toluene	ND	0.0250	1	l	04/07/23	04/07/23	
o-Xylene	ND	0.0250	1	l	04/07/23	04/07/23	
o,m-Xylene	ND	0.0500	1	l	04/07/23	04/07/23	
Total Xylenes	ND	0.0250	1	l	04/07/23	04/07/23	
Surrogate: Bromofluorobenzene		97.4 %	70-130		04/07/23	04/07/23	
Surrogate: 1,2-Dichloroethane-d4		110 %	70-130		04/07/23	04/07/23	
Surrogate: Toluene-d8		103 %	70-130		04/07/23	04/07/23	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: SI	<u>.</u>		Batch: 2314055
Gasoline Range Organics (C6-C10)	ND	20.0	1	l	04/07/23	04/07/23	
Surrogate: Bromofluorobenzene		97.4 %	70-130		04/07/23	04/07/23	
Surrogate: 1,2-Dichloroethane-d4		110 %	70-130		04/07/23	04/07/23	
Surrogate: Toluene-d8		103 %	70-130		04/07/23	04/07/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: JL	e e e e e e e e e e e e e e e e e e e		Batch: 2314059
Diesel Range Organics (C10-C28)	ND	25.0	1	l	04/07/23	04/10/23	
Dil Range Organics (C28-C36)	ND	50.0	1	l	04/07/23	04/10/23	
Surrogate: n-Nonane		95.8 %	50-200		04/07/23	04/10/23	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: RA	AS		Batch: 2314057
Chloride	889	20.0	1	l	04/07/23	04/07/23	



	S	Sample D	ata				
Pima Environmental Services-Carlsbad PO Box 247	Project Nam Project Num		t Pearl Qu 64-0001	een			Reported:
Plains TX, 79355-0247	Project Man	ager: Tom	Bynum				4/13/2023 1:59:22PM
		S4 - 3'					
		E304029-10					
		Reporting					
Analyte	Result	Limit	Di	lution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst	: SL		Batch: 2314055
Benzene	ND	0.0250		1	04/07/23	04/07/23	
Ethylbenzene	ND	0.0250		1	04/07/23	04/07/23	
Toluene	ND	0.0250		1	04/07/23	04/07/23	
p-Xylene	ND	0.0250		1	04/07/23	04/07/23	
p,m-Xylene	ND	0.0500		1	04/07/23	04/07/23	
Total Xylenes	ND	0.0250		1	04/07/23	04/07/23	
Surrogate: Bromofluorobenzene		96.8 %	70-130		04/07/23	04/07/23	
Surrogate: 1,2-Dichloroethane-d4		108 %	70-130		04/07/23	04/07/23	
Surrogate: Toluene-d8		104 %	70-130		04/07/23	04/07/23	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst	: SL		Batch: 2314055
Gasoline Range Organics (C6-C10)	ND	20.0		1	04/07/23	04/07/23	
Surrogate: Bromofluorobenzene		96.8 %	70-130		04/07/23	04/07/23	
Surrogate: 1,2-Dichloroethane-d4		108 %	70-130		04/07/23	04/07/23	
Surrogate: Toluene-d8		104 %	70-130		04/07/23	04/07/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst	: JL		Batch: 2314059
Diesel Range Organics (C10-C28)	292	125		5	04/07/23	04/11/23	
Oil Range Organics (C28-C36)	469	250		5	04/07/23	04/11/23	
Surrogate: n-Nonane		96.1 %	50-200		04/07/23	04/11/23	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst	: RAS		Batch: 2314057
Chloride	ND	20.0		1	04/07/23	04/10/23	



	S	ample D	ata				
Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247	Project Name Project Numb Project Manag	ber: 2100	t Pearl Qu 64-0001 1 Bynum	leen			<b>Reported:</b> 4/13/2023 1:59:22PM
		S4 - 5'					
		E304029-11					
		Reporting					
Analyte	Result	Limit	Di	lution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst	: SL		Batch: 2314055
Benzene	ND	0.0250		1	04/07/23	04/07/23	
Ethylbenzene	ND	0.0250		1	04/07/23	04/07/23	
Toluene	ND	0.0250		1	04/07/23	04/07/23	
p-Xylene	ND	0.0250		1	04/07/23	04/07/23	
p,m-Xylene	ND	0.0500		1	04/07/23	04/07/23	
Total Xylenes	ND	0.0250		1	04/07/23	04/07/23	
Surrogate: Bromofluorobenzene		97.6 %	70-130		04/07/23	04/07/23	
Surrogate: 1,2-Dichloroethane-d4		112 %	70-130		04/07/23	04/07/23	
Surrogate: Toluene-d8		104 %	70-130		04/07/23	04/07/23	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst	: SL		Batch: 2314055
Gasoline Range Organics (C6-C10)	ND	20.0		1	04/07/23	04/07/23	
Surrogate: Bromofluorobenzene		97.6 %	70-130		04/07/23	04/07/23	
Surrogate: 1,2-Dichloroethane-d4		112 %	70-130		04/07/23	04/07/23	
Surrogate: Toluene-d8		104 %	70-130		04/07/23	04/07/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst	: JL		Batch: 2314059
Diesel Range Organics (C10-C28)	329	250		10	04/07/23	04/11/23	
Dil Range Organics (C28-C36)	762	500		10	04/07/23	04/11/23	
Surrogate: n-Nonane		93.8 %	50-200		04/07/23	04/11/23	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst	: RAS		Batch: 2314057
Chloride	ND	20.0		1	04/07/23	04/10/23	



	S	Sample Da	ata				
Pima Environmental Services-Carlsbad	Project Name	e: Wes	t Pearl Qu	leen			
	Project Num		64-0001				Reported:
Plains TX, 79355-0247	Project Mana	ager: Tom	Bynum				4/13/2023 1:59:22PM
		S4 - 7'					
		E304029-12					
		Reporting					
Analyte	Result	Limit	Di	lution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst:	SL		Batch: 2314055
Benzene	ND	0.0250		1	04/07/23	04/07/23	
Ethylbenzene	ND	0.0250		1	04/07/23	04/07/23	
Toluene	ND	0.0250		1	04/07/23	04/07/23	
o-Xylene	ND	0.0250		1	04/07/23	04/07/23	
p,m-Xylene	ND	0.0500		1	04/07/23	04/07/23	
Total Xylenes	ND	0.0250		1	04/07/23	04/07/23	
Surrogate: Bromofluorobenzene		97.6 %	70-130		04/07/23	04/07/23	
Surrogate: 1,2-Dichloroethane-d4		110 %	70-130		04/07/23	04/07/23	
Surrogate: Toluene-d8		103 %	70-130		04/07/23	04/07/23	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst	SL		Batch: 2314055
Gasoline Range Organics (C6-C10)	ND	20.0		1	04/07/23	04/07/23	
Surrogate: Bromofluorobenzene		97.6 %	70-130		04/07/23	04/07/23	
Surrogate: 1,2-Dichloroethane-d4		110 %	70-130		04/07/23	04/07/23	
Surrogate: Toluene-d8		103 %	70-130		04/07/23	04/07/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst	JL		Batch: 2314059
Diesel Range Organics (C10-C28)	375	125		5	04/07/23	04/11/23	
Oil Range Organics (C28-C36)	691	250		5	04/07/23	04/11/23	
Surrogate: n-Nonane		98.8 %	50-200		04/07/23	04/11/23	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst	RAS		Batch: 2314057
Chloride	ND	20.0		1	04/07/23	04/10/23	

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	S	Sample D	ata				
Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247	Project Nam Project Num Project Mana	ber: 2106	t Pearl Qu 54-0001 Bynum	leen			<b>Reported:</b> 4/13/2023 1:59:22PM
		<b>S5 - 3'</b>					
		E304029-13					
		Reporting					
Analyte	Result	Limit	Di	lution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst	: SL		Batch: 2314055
Benzene	ND	0.0250		1	04/07/23	04/07/23	
Ethylbenzene	ND	0.0250		1	04/07/23	04/07/23	
Toluene	ND	0.0250		1	04/07/23	04/07/23	
o-Xylene	ND	0.0250		1	04/07/23	04/07/23	
o,m-Xylene	ND	0.0500		1	04/07/23	04/07/23	
Total Xylenes	ND	0.0250		1	04/07/23	04/07/23	
Surrogate: Bromofluorobenzene		96.2 %	70-130		04/07/23	04/07/23	
Surrogate: 1,2-Dichloroethane-d4		109 %	70-130		04/07/23	04/07/23	
Surrogate: Toluene-d8		103 %	70-130		04/07/23	04/07/23	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst	: SL		Batch: 2314055
Gasoline Range Organics (C6-C10)	ND	20.0		1	04/07/23	04/07/23	
Surrogate: Bromofluorobenzene		96.2 %	70-130		04/07/23	04/07/23	
Surrogate: 1,2-Dichloroethane-d4		109 %	70-130		04/07/23	04/07/23	
Surrogate: Toluene-d8		103 %	70-130		04/07/23	04/07/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst	: JL		Batch: 2314059
Diesel Range Organics (C10-C28)	58.2	25.0		1	04/07/23	04/12/23	
Dil Range Organics (C28-C36)	73.8	50.0		1	04/07/23	04/12/23	
Surrogate: n-Nonane		104 %	50-200		04/07/23	04/12/23	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst	: RAS		Batch: 2314057
Chloride	280	20.0		1	04/07/23	04/10/23	



	S	ample D	ata				
Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247	Project Name Project Numb Project Manag	ber: 2106	t Pearl Qu 64-0001 1 Bynum	ieen			<b>Reported:</b> 4/13/2023 1:59:22PM
		S5 - 5'					
		E304029-14					
		Reporting					
Analyte	Result	Limit	Di	lution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst	: SL		Batch: 2314055
Benzene	ND	0.0250		1	04/07/23	04/07/23	
Ethylbenzene	ND	0.0250		1	04/07/23	04/07/23	
Toluene	ND	0.0250		1	04/07/23	04/07/23	
p-Xylene	ND	0.0250		1	04/07/23	04/07/23	
p,m-Xylene	ND	0.0500		1	04/07/23	04/07/23	
Total Xylenes	ND	0.0250		1	04/07/23	04/07/23	
Surrogate: Bromofluorobenzene		97.2 %	70-130		04/07/23	04/07/23	
Surrogate: 1,2-Dichloroethane-d4		115 %	70-130		04/07/23	04/07/23	
Surrogate: Toluene-d8		103 %	70-130		04/07/23	04/07/23	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst	: SL		Batch: 2314055
Gasoline Range Organics (C6-C10)	ND	20.0		1	04/07/23	04/07/23	
Surrogate: Bromofluorobenzene		97.2 %	70-130		04/07/23	04/07/23	
Surrogate: 1,2-Dichloroethane-d4		115 %	70-130		04/07/23	04/07/23	
Surrogate: Toluene-d8		103 %	70-130		04/07/23	04/07/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst	: JL		Batch: 2314059
Diesel Range Organics (C10-C28)	ND	25.0		1	04/07/23	04/10/23	
Dil Range Organics (C28-C36)	ND	50.0		1	04/07/23	04/10/23	
Surrogate: n-Nonane		103 %	50-200		04/07/23	04/10/23	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst	: RAS		Batch: 2314057
Chloride	ND	20.0		1	04/07/23	04/10/23	



	S	Sample D	ata			
Pima Environmental Services-Carlsbad	Project Nam		t Pearl Quee	en		
PO Box 247	Project Num		64-0001			Reported:
Plains TX, 79355-0247	Project Man	ager: Tom	n Bynum			4/13/2023 1:59:22PM
		<b>S5 - 7'</b>				
		E304029-15				
		Reporting				
Analyte	Result	Limit	Dilut	tion Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	I	Analyst: SL		Batch: 2314055
Benzene	ND	0.0250	1	04/07/23	04/07/23	
Ethylbenzene	ND	0.0250	1	04/07/23	04/07/23	
Toluene	ND	0.0250	1	04/07/23	04/07/23	
o-Xylene	ND	0.0250	1	04/07/23	04/07/23	
p,m-Xylene	ND	0.0500	1	04/07/23	04/07/23	
Total Xylenes	ND	0.0250	1	04/07/23	04/07/23	
Surrogate: Bromofluorobenzene		98.8 %	70-130	04/07/23	04/07/23	
Surrogate: 1,2-Dichloroethane-d4		110 %	70-130	04/07/23	04/07/23	
Surrogate: Toluene-d8		104 %	70-130	04/07/23	04/07/23	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	I	Analyst: SL		Batch: 2314055
Gasoline Range Organics (C6-C10)	ND	20.0	1	04/07/23	04/07/23	
Surrogate: Bromofluorobenzene		98.8 %	70-130	04/07/23	04/07/23	
Surrogate: 1,2-Dichloroethane-d4		110 %	70-130	04/07/23	04/07/23	
Surrogate: Toluene-d8		104 %	70-130	04/07/23	04/07/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORC	Batch: 2314059					
Diesel Range Organics (C10-C28)	ND	25.0	1	04/07/23	04/10/23	
Oil Range Organics (C28-C36)	ND	50.0	1	04/07/23	04/10/23	
Surrogate: n-Nonane		101 %	50-200	04/07/23	04/10/23	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	1	Analyst: RAS		Batch: 2314057

20.0

1

04/07/23

04/10/23

ND

Chloride



	S	Sample D	ata			
Pima Environmental Services-Carlsbad	Project Nam	e: Wes	t Pearl Queen	l		
PO Box 247	Project Num	ber: 2100	64-0001			Reported:
Plains TX, 79355-0247	Project Mana	ager: Tom	n Bynum			4/13/2023 1:59:22PM
		S6 - 3'				
		E304029-16				
		Reporting				
Analyte	Result	Limit	Dilutio	on Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Aı	nalyst: SL		Batch: 2314055
Benzene	ND	0.0250	1	04/07/23	04/08/23	
Ethylbenzene	ND	0.0250	1	04/07/23	04/08/23	
Toluene	ND	0.0250	1	04/07/23	04/08/23	
o-Xylene	ND	0.0250	1	04/07/23	04/08/23	
p,m-Xylene	ND	0.0500	1	04/07/23	04/08/23	
Total Xylenes	ND	0.0250	1	04/07/23	04/08/23	
Surrogate: Bromofluorobenzene		95.7 %	70-130	04/07/23	04/08/23	
Surrogate: 1,2-Dichloroethane-d4		110 %	70-130	04/07/23	04/08/23	
Surrogate: Toluene-d8		103 %	70-130	04/07/23	04/08/23	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Aı	nalyst: SL		Batch: 2314055
Gasoline Range Organics (C6-C10)	ND	20.0	1	04/07/23	04/08/23	
Surrogate: Bromofluorobenzene		95.7 %	70-130	04/07/23	04/08/23	
Surrogate: 1,2-Dichloroethane-d4		110 %	70-130	04/07/23	04/08/23	
Surrogate: Toluene-d8		103 %	70-130	04/07/23	04/08/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORC	Batch: 2314059					
Diesel Range Organics (C10-C28)	35.9	25.0	1	04/07/23	04/11/23	
Oil Range Organics (C28-C36)	101	50.0	1	04/07/23	04/11/23	
Surrogate: n-Nonane		105 %	50-200	04/07/23	04/11/23	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Aı	nalyst: RAS		Batch: 2314057

Chloride **23.8** 20.0 1 04/07/23 04/10/23



envirotech Inc.

	S	Sample D	ata				
Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247	Project Nam Project Num Project Man	iber: 2100	t Pearl Qu 54-0001 1 Bynum	leen			<b>Reported:</b> 4/13/2023 1:59:22PM
		S6 - 5'					
		E304029-17					
		Reporting					
Analyte	Result	Limit	Di	lution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B mg/kg mg/kg		mg/kg		Analyst	: SL		Batch: 2314055
Benzene	ND	0.0250		1	04/07/23	04/08/23	
Ethylbenzene	ND	0.0250		1	04/07/23	04/08/23	
Toluene	ND	0.0250 1		1	04/07/23	04/08/23	
p-Xylene	ND	0.0250	0.0250		04/07/23	04/08/23	
o,m-Xylene	ND	ND 0.0500		1	04/07/23	04/08/23	
Total Xylenes	ND	0.0250		1	04/07/23	04/08/23	
Surrogate: Bromofluorobenzene		96.6 %	70-130		04/07/23	04/08/23	
Surrogate: 1,2-Dichloroethane-d4		115 %	70-130		04/07/23	04/08/23	
Surrogate: Toluene-d8		104 %	70-130		04/07/23	04/08/23	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: SL			Batch: 2314055
Gasoline Range Organics (C6-C10)	ND	20.0		1	04/07/23	04/08/23	
Surrogate: Bromofluorobenzene		96.6 %	70-130		04/07/23	04/08/23	
Surrogate: 1,2-Dichloroethane-d4		115 %	70-130		04/07/23	04/08/23	
Surrogate: Toluene-d8		104 %	70-130		04/07/23	04/08/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst	: JL		Batch: 2314059
Diesel Range Organics (C10-C28)	ND	25.0		1	04/07/23	04/10/23	
Dil Range Organics (C28-C36)	ND	50.0		1	04/07/23	04/10/23	
Surrogate: n-Nonane		107 %	50-200		04/07/23	04/10/23	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst	: RAS		Batch: 2314057
Chloride	ND	20.0		1	04/07/23	04/10/23	



	3	ample D	ata			
Pima Environmental Services-Carlsbad PO Box 247	Project Name Project Numb		t Pearl Queer 54-0001	1		Reported:
Plains TX, 79355-0247	Project Manager: Tom Bynum					4/13/2023 1:59:22PM
,	5	-	5			
		S6 - 7' E304029-18				
		Reporting				
Analyte	Result	Limit	Diluti	on Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	A	nalyst: SL		Batch: 2314055
Benzene	ND	0.0250	1	04/07/23	04/08/23	
Ethylbenzene	ND	0.0250	1	04/07/23	04/08/23	
Toluene	ND	0.0250	1	04/07/23	04/08/23	
p-Xylene	ND	0.0250	1	04/07/23	04/08/23	
o,m-Xylene	ND	0.0500	1	04/07/23	04/08/23	
Total Xylenes	ND	0.0250	1	04/07/23	04/08/23	
Surrogate: Bromofluorobenzene		94.5 %	70-130	04/07/23	04/08/23	
Surrogate: 1,2-Dichloroethane-d4		111 %	70-130	04/07/23	04/08/23	
Surrogate: Toluene-d8		102 %	70-130	04/07/23	04/08/23	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	A	nalyst: SL		Batch: 2314055
Gasoline Range Organics (C6-C10)	ND	20.0	1	04/07/23	04/08/23	
Surrogate: Bromofluorobenzene		94.5 %	70-130	04/07/23	04/08/23	
Surrogate: 1,2-Dichloroethane-d4		111 %	70-130	04/07/23	04/08/23	
Surrogate: Toluene-d8		102 %	70-130	04/07/23	04/08/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	A	nalyst: JL		Batch: 2314059
Diesel Range Organics (C10-C28)	ND	25.0	1	04/07/23	04/10/23	
Dil Range Organics (C28-C36)	ND	50.0	1	04/07/23	04/10/23	
Surrogate: n-Nonane		86.3 %	50-200	04/07/23	04/10/23	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	A	nalyst: RAS		Batch: 2314057
Chloride	31.1	20.0	1	04/07/23	04/10/23	



Sample Data

		ample Da	aca				
Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247	Project Name: Project Numbe Project Manag	er: 2106	West Pearl Queen 21064-0001 Tom Bynum				<b>Reported:</b> 4/13/2023 1:59:22PM
		<b>S7 - 6'</b>	-				
		E304029-19					
		Reporting					
Analyte	Result	Limit	Dil	lution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	'kg Analyst: SL			Batch: 2314055	
Benzene	ND	0.0250		1	04/07/23	04/08/23	
Ethylbenzene	ND	0.0250		1	04/07/23	04/08/23	
Toluene	ND	0.0250		1	04/07/23	04/08/23	
p-Xylene	ND	0.0250		1	04/07/23	04/08/23	
p,m-Xylene	ND	0.0500		1	04/07/23	04/08/23	
Total Xylenes	ND	0.0250		1	04/07/23	04/08/23	
Surrogate: Bromofluorobenzene		96.3 %	70-130		04/07/23	04/08/23	
Surrogate: 1,2-Dichloroethane-d4		106 %	70-130		04/07/23	04/08/23	
Surrogate: Toluene-d8		105 %	70-130		04/07/23	04/08/23	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst	: SL		Batch: 2314055
Gasoline Range Organics (C6-C10)	ND	20.0		1	04/07/23	04/08/23	
Surrogate: Bromofluorobenzene		96.3 %	70-130		04/07/23	04/08/23	
Surrogate: 1,2-Dichloroethane-d4		106 %	70-130		04/07/23	04/08/23	
Surrogate: Toluene-d8		105 %	70-130		04/07/23	04/08/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst	:Л		Batch: 2314059
Diesel Range Organics (C10-C28)	570	250		10	04/07/23	04/11/23	
Dil Range Organics (C28-C36)	961	500		10	04/07/23	04/11/23	
Surrogate: n-Nonane		86.3 %	50-200		04/07/23	04/11/23	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst	RAS		Batch: 2314057
Chloride	ND	20.0		1	04/07/23	04/11/23	



Toluene

o-Xylene

p,m-Xylene

Total Xylenes

Surrogate: Toluene-d8

Surrogate: Toluene-d8

Surrogate: n-Nonane

Chloride

Surrogate: Bromofluorobenzene

Surrogate: Bromofluorobenzene

Surrogate: 1,2-Dichloroethane-d4

Diesel Range Organics (C10-C28)

Oil Range Organics (C28-C36)

Anions by EPA 300.0/9056A

Surrogate: 1,2-Dichloroethane-d4

Gasoline Range Organics (C6-C10)

Nonhalogenated Organics by EPA 8015D - GRO

Nonhalogenated Organics by EPA 8015D - DRO/ORO

Ethylbenzene

Received by OCD. 1/1//2023 5.13.22 1 M						1 450 101 0
	Sam	ple Dat	ta			
Pima Environmental Services-Carlsbad	Project Name:	West P	earl Queen			
PO Box 247	Project Number:	Project Number: 21064-0001				Reported:
Plains TX, 79355-0247	Project Manager: Tom Bynum				4/13/2023 1:59:22PM	
	SZ	7 - 8'				
	E304	4029-20				
		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst	: SL		Batch: 2314055
Benzene	ND	0.0250	1	04/07/23	04/10/23	

0.0250

0.0250

0.0250

0.0500

0.0250

mg/kg

20.0

mg/kg

250

500

mg/kg

20.0

99.6 %

113 %

103 %

99.6 %

113 %

103 %

87.5 %

1

1

1

1

1

1

10

10

1

Analyst: SL

Analyst: JL

Analyst: RAS

70-130

70-130

70-130

70-130

70-130

70-130

50-200

04/07/23

04/07/23

04/07/23

04/07/23

04/07/23

04/07/23

04/07/23

04/07/23

04/07/23

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04/07/23

04/07/23

04/07/23

04/07/23

ND

ND

ND

ND

ND

mg/kg

ND

mg/kg

288

532

mg/kg

ND

_	
13	envi
	envi

04/10/23

04/10/23

04/10/23

04/10/23

04/10/23

04/10/23

04/10/23

04/10/23

04/10/23

04/10/23

04/10/23

04/10/23

04/11/23

04/11/23

04/11/23

04/11/23

Batch: 2314055

Batch: 2314059

Batch: 2314057

# QC Summary Data

		<u> </u>	1111117	ary Data					
Pima Environmental Services-Carlsbad		Project Name:	W	/est Pearl Queen					Reported:
PO Box 247	PO Box 247 Project Number: 21064-0001					Reporteu.			
Plains TX, 79355-0247		Project Manager:	Te	Tom Bynum			4/13/2023 1:59:22P		
		Volatile Organic	Compo	unds by EPA	82601	B			Analyst: SL
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 (2314055-BLK1)							Prepared: 04	4/07/23 Ar	nalyzed: 04/07/23
Benzene	ND	0.0250							
Ethylbenzene	ND	0.0250							
Foluene	ND	0.0250							
o-Xylene	ND	0.0250							
p,m-Xylene	ND	0.0500							
Total Xylenes	ND	0.0250							
Surrogate: Bromofluorobenzene	0.503		0.500		101	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.592		0.500		118	70-130			
Surrogate: Toluene-d8	0.506		0.500		101	70-130			
LCS (2314055-BS1)							Prepared: 04	4/07/23 Ar	nalyzed: 04/07/23
Benzene	2.67	0.0250	2.50		107	70-130			
Ethylbenzene	2.57	0.0250	2.50		103	70-130			
Foluene	2.65	0.0250	2.50		106	70-130			
o-Xylene	2.55	0.0250	2.50		102	70-130			
o,m-Xylene	5.18	0.0500	5.00		104	70-130			
Total Xylenes	7.73	0.0250	7.50		103	70-130			
Surrogate: Bromofluorobenzene	0.520		0.500		104	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.570		0.500		114	70-130			
Surrogate: Toluene-d8	0.505		0.500		101	70-130			
Matrix Spike (2314055-MS1)				Source: E3	304029-	05	Prepared: 04	4/07/23 Ar	nalyzed: 04/07/23
Benzene	2.62	0.0250	2.50	ND	105	48-131			
Ethylbenzene	2.55	0.0250	2.50	ND	102	45-135			
Toluene	2.61	0.0250	2.50	ND	104	48-130			
o-Xylene	2.57	0.0250	2.50	ND	103	43-135			
p,m-Xylene	5.10	0.0500	5.00	ND	102	43-135			
Total Xylenes	7.67	0.0250	7.50	ND	102	43-135			
			0.500			50 120			
Surrogate: Bromofluorobenzene	0.538		0.500		108	70-130			
Surrogate: Bromofluorobenzene Surrogate: 1,2-Dichloroethane-d4	0.538 0.542		0.500 0.500		108 108	70-130 70-130			
Surrogate: 1,2-Dichloroethane-d4	0.542		0.500	Source: E.	108 104	70-130 70-130	Prepared: 0-	4/07/23 Ar	nalyzed: 04/07/23
Surrogate: 1,2-Dichloroethane-d4 Surrogate: Toluene-d8	0.542	0.0250	0.500	Source: ES	108 104	70-130 70-130	Prepared: 0- 8.79	4/07/23 At	nalyzed: 04/07/23
Surrogate: 1,2-Dichloroethane-d4 Surrogate: Toluene-d8 Matrix Spike Dup (2314055-MSD1)	0.542 0.518	0.0250 0.0250	0.500 0.500		108 104 <b>304029-</b>	70-130 70-130 05			nalyzed: 04/07/23
Surrogate: 1,2-Dichloroethane-d4 Surrogate: Toluene-d8 Matrix Spike Dup (2314055-MSD1) Benzene	0.542 0.518 2.86		0.500 0.500 2.50	ND	108 104 <b>304029-</b> 114	70-130 70-130 05 48-131	8.79	23	nalyzed: 04/07/23
Surrogate: 1,2-Dichloroethane-d4 Surrogate: Toluene-d8 Matrix Spike Dup (2314055-MSD1) Benzene Ethylbenzene	0.542 0.518 2.86 2.76	0.0250	0.500 0.500 2.50 2.50	ND ND	108 104 <b>304029-</b> 114 110	70-130 70-130 05 48-131 45-135	8.79 7.79	23 27	nalyzed: 04/07/23
Surrogate: 1,2-Dichloroethane-d4 Surrogate: Toluene-d8 Matrix Spike Dup (2314055-MSD1) Benzene Ethylbenzene Foluene	0.542 0.518 2.86 2.76 2.85	0.0250 0.0250	0.500 0.500 2.50 2.50 2.50	ND ND ND	108 104 <b>304029-</b> 114 110 114	70-130 70-130 05 48-131 45-135 48-130	8.79 7.79 8.52	23 27 24	nalyzed: 04/07/23
Surrogate: 1,2-Dichloroethane-d4 Surrogate: Toluene-d8 Matrix Spike Dup (2314055-MSD1) Benzene Ethylbenzene Foluene S-Xylene	0.542 0.518 2.86 2.76 2.85 2.78	0.0250 0.0250 0.0250	0.500 0.500 2.50 2.50 2.50 2.50 2.50	ND ND ND ND	108 104 304029 114 110 114 111	70-130 70-130 05 48-131 45-135 48-130 43-135	8.79 7.79 8.52 7.84	23 27 24 27	nalyzed: 04/07/23
Surrogate: 1,2-Dichloroethane-d4 Surrogate: Toluene-d8 Matrix Spike Dup (2314055-MSD1) Benzene Ethylbenzene Foluene o-Xylene o,m-Xylene	0.542 0.518 2.86 2.76 2.85 2.78 5.56	0.0250 0.0250 0.0250 0.0500	0.500 0.500 2.50 2.50 2.50 2.50 5.00	ND ND ND ND ND	108 104 304029-4 114 110 114 111 111	70-130 70-130 05 48-131 45-135 48-130 43-135 43-135	8.79 7.79 8.52 7.84 8.61	23 27 24 27 27	nalyzed: 04/07/23
Surrogate: 1,2-Dichloroethane-d4 Surrogate: Toluene-d8 Matrix Spike Dup (2314055-MSD1) Benzene Ethylbenzene Foluene D-Xylene D,m-Xylene Fotal Xylenes	0.542 0.518 2.86 2.76 2.85 2.78 5.56 8.34	0.0250 0.0250 0.0250 0.0500	0.500 0.500 2.50 2.50 2.50 2.50 5.00 7.50	ND ND ND ND ND	108 104 <b>304029-</b> 114 110 114 111 111 111	70-130 70-130 05 48-131 45-135 48-130 43-135 43-135 43-135	8.79 7.79 8.52 7.84 8.61	23 27 24 27 27	nalyzed: 04/07/23



# **QC Summary Data**

		QC D		il y Data					
Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247		Project Name: Project Number: Project Manager:	21	/est Pearl Queen 1064-0001 om Bynum	L				<b>Reported:</b> 4/13/2023 1:59:22PM
	N	onhalogenated O	rganics	by EPA 8015	5D - GR	0			Analyst: SL
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
Blank (2314055-BLK1)							Prepared: 0	4/07/23 A	Analyzed: 04/07/23
Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: Bromofluorobenzene	0.503		0.500		101	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.592		0.500		118	70-130			
Surrogate: Toluene-d8	0.506		0.500		101	70-130			
LCS (2314055-BS2)							Prepared: 0	4/07/23 A	Analyzed: 04/07/23
Gasoline Range Organics (C6-C10)	54.9	20.0	50.0		110	70-130			
Surrogate: Bromofluorobenzene	0.528		0.500		106	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.570		0.500		114	70-130			
Surrogate: Toluene-d8	0.531		0.500		106	70-130			
Matrix Spike (2314055-MS2)				Source: E	304029-05	5	Prepared: 0	4/07/23 A	Analyzed: 04/07/23
Gasoline Range Organics (C6-C10)	59.3	20.0	50.0	ND	119	70-130			
Surrogate: Bromofluorobenzene	0.510		0.500		102	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.556		0.500		111	70-130			
Surrogate: Toluene-d8	0.528		0.500		106	70-130			
Matrix Spike Dup (2314055-MSD2)				Source: E	304029-05	5	Prepared: 0	4/07/23 A	Analyzed: 04/10/23
Gasoline Range Organics (C6-C10)	60.0	20.0	50.0	ND	120	70-130	1.29	20	
Surrogate: Bromofluorobenzene	0.517		0.500		103	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.547		0.500		109	70-130			
Surrogate: Toluene-d8	0.528		0.500		106	70-130			



# **QC Summary Data**

		QU D		lary Data					
Pima Environmental Services-Carlsbad PO Box 247		Project Name: Project Number:		West Pearl Queen 21064-0001					Reported:
Plains TX, 79355-0247		Project Manager:		Tom Bynum					4/13/2023 1:59:22PM
	Nonh	alogenated Org	anics b	y EPA 8015D	- DRO	/ORO			Analyst: JL
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
Blank (2314059-BLK1)							Prepared: 0	4/07/23 <i>I</i>	Analyzed: 04/10/23
Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	46.7		50.0		93.3	50-200			
LCS (2314059-BS1)							Prepared: 0	4/07/23	Analyzed: 04/10/23
Diesel Range Organics (C10-C28)	257	25.0	250		103	38-132			
Surrogate: n-Nonane	45.6		50.0		91.1	50-200			
Matrix Spike (2314059-MS1)				Source: E	304029-	11	Prepared: 0	4/07/23 #	Analyzed: 04/11/23
Diesel Range Organics (C10-C28)	522	250	250	329	77.4	38-132			
Surrogate: n-Nonane	40.5		50.0		80.9	50-200			
Matrix Spike Dup (2314059-MSD1)				Source: E	304029-	11	Prepared: 0	4/07/23 A	Analyzed: 04/11/23
Diesel Range Organics (C10-C28)	570	250	250	329	96.4	38-132	8.69	20	
Surrogate: n-Nonane	42.1		50.0		84.2	50-200			



## **QC Summary Data**

		<b>X</b> U N								
Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247		Project Name: Project Number: Project Manager:		West Pearl Queer 21064-0001 Tom Bynum	1				<b>Repor</b> 4/13/2023	
		Anions	by EPA	300.0/9056A					Analyst: F	RAS
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit		
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Ν	otes
Blank (2314057-BLK1)							Prepared: 0	4/07/23 <i>I</i>	Analyzed: 04	/07/23
Chloride	ND	20.0								
LCS (2314057-BS1)							Prepared: 0	4/07/23 A	Analyzed: 04	/07/23
Chloride	254	20.0	250		102	90-110				
Matrix Spike (2314057-MS1)				Source: E	304029-0	)1	Prepared: 0	4/07/23 A	Analyzed: 04	/07/23
Chloride	777	20.0	250	524	101	80-120				
Matrix Spike Dup (2314057-MSD1)				Source: E	304029-0	)1	Prepared: 0	4/07/23 A	Analyzed: 04	/07/23
Chloride	743	20.0	250	524	87.5	80-120	4.41	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.



	2 • • • • • • • • • • • •		
Pima Environmental Services-Carlsbad	Project Name:	West Pearl Queen	
PO Box 247	Project Number:	21064-0001	Reported:
Plains TX, 79355-0247	Project Manager:	Tom Bynum	04/13/23 13:59

ND	Analyte NOT DETECTED at or above the reporting limit
1.12	r maryte rio r BErEcreb at or acore are reporting mint

NR Not Reported

RPD Relative Percent Difference

DNI Did Not Ignite

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

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



Project Inf	ormation
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oject N	lan ager:	Tom By	num		Add			E 304 029				Analysis and Metho			_		4			F	
	5614 N.				Pho	State, Zip		-	1			Anan			T	1	1				
	e, Zip Ho 580-748-		<u>//, QQZ4U</u>		Ema			15	15											tate	Carl I
	tom@pin		n					oy 80	y 80	21	0	0	0.0	NN	Σ.				0 0	JT AZ	TX
	ue by:				Pin	na Project# 19-/2	1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-	ORO h	SRO F	y 80	y 826	s 601	de 30			×		X		_	
Time ampled	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	0000	BGDOC	BGDDC	-		Re	marks	
	4/5/23	Soil	1-202		51-1	<i>t</i> '								X	<		_				
	5	(			51-6	, r	2									_					
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					53-	9	-							$\prod$	_	-	_				
	+	r	17		54-3	3′	10								1						
	nal Imstruc					hat tampering with or intentionally mislab	ling the samp	e locat	tion			Samp	les requiring them	mal pres	servatio	on must b	e receiv	ed on ice the	e day they	/ are samp	oled or rec
					s for legal action.	Sampled by:	shing are samp.					packe	ed in ice at an avg	temp ab					ent days.		
linguist	ned by: (Sign:	ature)	Date		Time	Received by: (Signature)	Date 4-6	-23	Time	00		Rec	eived on ic	e:	La	b Use / N	Only		24		
	ned by: (Sign		Date		Time 1745	Received by: (Signature)	Date 4-6-2		Time	45		T1.	e for a line of the second	i	<u>r2</u>	1		<u>T3</u>			
linquist	ned by: (Sign	ature	- Date	623	Time 2330	Received by: (Signature)	- 4/1/	13	Time	:15	•	AVO	∃ Temp °C_	4	<u>r</u>	18 1. 14 1.		13 12			
mple Ma	trix: S -Soil, Si	d - Solid, Sg-	Ci in D	-	ther	10000	Containe	er Typ	be: g -	glass,	<b>p</b> -p	oly/r	plastic, ag - a	mber	glass	s, v - V	OA			te of the	about
oto: San	onles are dis	arded 30 c	lavs after r	sults are rep	orted unless oth	er arrangements are made. Hazardo h this COC. The liability of the laborat	us samples will ory is limited	l be re to the	eturne amou	d to cl int paid	ient o d for o	or disp on the	report.						-		
mpics i.	, appricable (	, , , , , , , , , , , , , , , , , , ,									You	-	3 0		9 6			0			

Release Project Information

Page 2 of

$\begin{array}{c c c c c c c c c c c c c c c c c c c $		GRO/DRO by 8015		-	210	Number 04-000 sis and Me 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 00	IC	BGDOC NM	BGDOC TX	3D	Standa X NM	CO	CWA State UT AZ	SDWA RCRA TX
Address:         Address:         City, State, Zip         Sitate, Zip         Address:         City, State, Zip         Phone:         Email:         tom@pimaoil.com         Prima Project # /9-/2         Lab         Lab         Sample ID         Lab         Address:         City, State, Zip         Phone:         Email:         Pima Project # /9-/2         Lab         No. of         Containers         Sample ID         Lab         Address:         City, State, Zip         Phone:         Email:         Pima Project # /9-/2         Address:         Address:         Address:         Sample ID         Address:         Address:         Sd - 5 '					Analy	sis and Me	<u>3</u> thod	BGDOC NM			_			
ess: 56 14 N. Lovington Hwy.       City, State, Zip         State, Zip       Hobbs, NM, 88240         e: 580-748-1613       Email:         : torn@pimaoil.com       Phone:         rt due by:       Email: $et de sampled$ Matrix         No. of containers       Sample ID         H/5/23       Soil         I-2oz       S4-5'         S4-7'       12         S5-3'       14         S5-3'       14         S5-3'       14         S5-3'       15         S5-3'       14         S5-7'       15         S5-3'       14         S5-3'       15         S5-3'       15         S5-3'       14         S5-3'       15         S5-3'       14	DRO/ORO by 8015	GRO/DRO by 8015	8TEX by 8021				thod	BGDOC NM			NM			
Interview 2 - 17 - 1000 s, rum, 002 - 40         Email:         Email:         Pima Project # $/9 - /2$ Email:         Pima Project # $/9 - /2$ Itab         Pima Project # $/9 - /2$ Itab         Pima Project # $/9 - /2$ Itab         Number         Itab         Number         Itab         Number         Itab         Number         Itab         Number         Itab         Number         Itab	DRO/ORO by 8015	GRO/DRO by 8015	8TEX by 8021	VOC by 8260	Metals 6010	Chloride 300.0		BGDOC			NM			TX
$\begin{array}{c c c c c c c c c c c c c c c c c c c $	DRO/ORO by 8015	GRO/DRO by 8015	8TEX by 8021	VOC by 8260	Metals 6010	Chloride 300.0		BGDOC			NM			TX
Plma Project # 7772         e       Date       Matrix       No. of containers       Sample ID       Lab $4/5/23$ Soil       1-2oz       S4-5'       11 $4/5/23$ Soil       1-2oz       S4-7'       12 $5/23$ Soil       1-2oz       S4-7'       12 $5/23$ Soil       1-2oz       S4-7'       13 $5/23$ Soil       1-2oz       S5-3'       13 $5/23$ Soil       S5-3'       13 $5/23$ S5-7'       14       14 $5/23$ S5-7'       14       14 $5/23$ S6-3'       16       16 $5/23$ S6-3'       16       16 $5/23$ S6-3'       16       16	DRO/ORO by 8	GRO/DRO by 8	8TEX by 8021	VOC by 8260	Metals 6010	Chloride 300.0		BGDOC						
$\begin{array}{c c c c c c c c c c c c c c c c c c c $	DRO/ORO	GRO/DRO	BTEX by 80	VOC by 82	Metals 60	Chloride 3		BGDOC			-			
e         Date         Matrix         No. of Containers         Sample ID         Number $4/5/23$ Soil         1-2oz         S4-5'         11 $4/5/23$ Soil         1-2oz         S4-7'         12 $5/2$ $5/2$ $5/2$ 12         12 $5/2$ $5/2$ $5/2$ 12         12 $5/2$ $5/2$ $5/2$ 13         13 $5/2$ $5/2$ $5/2$ 14         13 $5/2$ $5/2$ $5/2$ 14         14 $5/2$ $5/2$ $5/2$ 14         14 $5/2$ $5/2$ $5/2$ 14         14 $5/2$ $5/2$ $5/2$ $1/2$ $1/2$	DROV	GRO/	BTEX	VOCI	Meta	Chlor		1	BGDC					
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S5-7'         15           56-3'         10           56-5'         17		-												
56-3' IQ 56-5' IQ								1						
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56-7' 18								1				_		
57-6' 19								1	_					
1 1 57-8' 20								1						
tional Instructions:					_	les requiring th					at and any loss	the day t	hav and sam	nled or receiv
I sampler), attest to the validity and authenticity of this sample. I am aware that tampering with or intentionally mislabelling the samp r time of collection is considered fraud and may be grounds for legal action. <u>Sampled by:</u>	e locat	ion,			packe	d in ice at an av	ermai p /g temp	p above	0 but le	ess than 6	°C on subse	equent day	/s.	
wished by: (Signature) Date Time Received by: (Signature) Date 4/6/23 1500	-23		500	2	Rec	eived on i	ice:	<ul> <li>1</li> </ul>	D/N	lse On V	ly	÷.,		
uished by: (Signature) Date Time Received by: (Signature) A Date 4-6-	23	Time / /	45	-	<u>T1</u>	tin dia Ang ang ang ang ang ang ang ang ang ang a		<u>T2</u>			<u> </u>			30
Agished by: (Signature) Date Time Received by: (Signature) Date 4-6-3 2330 N. Han Mut 4/7/2	3	8	:15		AV	3 Temp °C	2	4	- 10- 1 - 10- 10-	N 1 1	1 6 8 11 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1		al an Al an Al an an	-1.00 X -1.00 -1.00 X -1.00 -1.00 X -1.00
Containe	er Typ	e:g-	glass,	p - p	poly/p	lastic, ag -	amb	per gla	ass, v	- VOA	onort fr	the area	lucie of the	e abova
Samples are discarded 20 days after results are reported unless other arrangements are made. Hazardous samples wi	ll be re	eturne	d to cli	ient c	or disp	osed of at th	ne clie	ent ex	pense	. The	eport for	the ana	nysis oi ti	e above
les is applicable only to those samples received by the laboratory with this COC. The liability of the laboratory is limited	to the	amou	nt paid	for	on the	report.				7		787	-	

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Received by
## **Envirotech Analytical Laboratory**

Sample Receipt Checklist (SRC)

lient:	Pima Environmental Services-Carlsbad	Date Received:	04/07/23 08	:15	Work Order ID	E304029
Phone:	(575) 631-6977	Date Logged In:	04/07/23 08	:50	Logged In By:	Caitlin Christian
Email:	tom@pimaoil.com	Due Date:	04/13/23 17	:00 (4 day TAT)		
Chain o	f Custody (COC)					
1. Does 1	the sample ID match the COC?		Yes			
2. Does t	the number of samples per sampling site location ma	atch the COC	Yes			
3. Were	samples dropped off by client or carrier?		Yes	Carrier: C	Courier	
4. Was tl	ne COC complete, i.e., signatures, dates/times, reque	ested analyses?	No			
5. Were	all samples received within holding time? Note: Analysis, such as pH which should be conducted i.e, 15 minute hold time, are not included in this disucss		Yes		Comme	ents/Resolution
Sample '	<u>Turn Around Time (TAT)</u>					
6. Did th	e COC indicate standard TAT, or Expedited TAT?		Yes		Project West Pearl Qu	een has been
Sample	Cooler				separated into 2 repor	ts due to sample
7. Was a	sample cooler received?		Yes		volume. Workorders a	-
8. If yes,	was cooler received in good condition?		Yes		E304029 & E304030.	
9. Was tl	ne sample(s) received intact, i.e., not broken?		Yes			-
10. Were	custody/security seals present?		No		provided on COC per	cient.
11. If yes	s, were custody/security seals intact?		NA			
	he sample received on ice? If yes, the recorded temp is 4°C Note: Thermal preservation is not required, if samples a minutes of sampling		Yes			
13. If no	visible ice, record the temperature. Actual sampl	e temperature: 4°	°C			
	Container	• ••••••• <u>•</u>	<u> </u>			
	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	5?	Yes			
	appropriate volume/weight or number of sample conta		Yes			
Field La	bel					
	field sample labels filled out with the minimum inf	formation:				
	Sample ID?		Yes			
	Date/Time Collected?		Yes			
	Collectors name?		No			
	<u>Preservation</u>	magamiad?	N-			
	the COC or field labels indicate the samples were p	neserveu?	No NA			
	sample(s) correctly preserved? o filteration required and/or requested for dissolved it	metals?	NA No			
	•	incuis;	TAO			
	ase Sample Matrix	2229	NT			
	the sample have more than one phase, i.e., multiply $a_{1}$ does the COC specify which $p_{1}$ has $a_{2}$ is to be apply		No			
	s, does the COC specify which phase(s) is to be ana	iyzea?	NA			
	ract Laboratory					
28. Are s	samples required to get sent to a subcontract laborate a subcontract laboratory specified by the client and	-	No NA S	Subcontract Lab		

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



•





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:

West Pearl Queen

Work Order: E305111

Job Number: 21064-0001

Received: 5/18/2023

Revision: 2

Report Reviewed By:

Walter Hinchman Laboratory Director 5/24/23

Envirotech Inc. certifies the test results meet all requirements of TNI unless noted otherwise. Statement of Data Authenticity: Envirotech Inc, attests the data reported has not been altered in any way. Partial or incomplete reproduction of this report is prohibited, unless approved by Envirotech Inc. Envirotech Inc, holds the Utah TNI certification NM00979 for data reported. Envirotech Inc, holds the Texas TNI certification T104704557 for data reported. Date Reported: 5/24/23

Tom Bynum PO Box 247 Plains, TX 79355-0247

Project Name: West Pearl Queen Workorder: E305111 Date Received: 5/18/2023 8:20:00AM

Tom Bynum,



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Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 5/18/2023 8:20:00AM, under the Project Name: West Pearl Queen.

The analytical test results summarized in this report with the Project Name: West Pearl Queen 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,

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## Sample Summary

		Sample Sum	mary		
Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247		Project Name: Project Number: Project Manager:	Project Number: 21064-0001		<b>Reported:</b> 05/24/23 15:39
Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
S1 - 9'	E305111-01A	Soil	05/16/23	05/18/23	Glass Jar, 4 oz.
S2 - 15'	E305111-02A	Soil	05/16/23	05/18/23	Glass Jar, 4 oz.
83 - 5'	E305111-03A	Soil	05/16/23	05/18/23	Glass Jar, 4 oz.
54 - 8'	E305111-04A	Soil	05/16/23	05/18/23	Glass Jar, 4 oz.
S7 - 11'	E305111-05A	Soil	05/16/23	05/18/23	Glass Jar, 4 oz.
SW4	E305111-06A	Soil	05/16/23	05/18/23	Glass Jar, 4 oz.
SW5	E305111-07A	Soil	05/16/23	05/18/23	Glass Jar, 4 oz.
SW6	E305111-08A	Soil	05/16/23	05/18/23	Glass Jar, 4 oz.



	0	ampie D	ala			
Pima Environmental Services-Carlsbad	Project Name	: Wes	t Pearl Queen			
PO Box 247	Project Numb	er: 210	64-0001			Reported:
Plains TX, 79355-0247	Project Manag	ger: Tom	n Bynum			5/24/2023 3:39:59PM
		S1 - 9'				
		E305111-01				
		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: IY			Batch: 2320072
Benzene	ND	0.0250	1	05/18/23	05/18/23	
Ethylbenzene	ND	0.0250	1	05/18/23	05/18/23	
Toluene	ND	0.0250	1	05/18/23	05/18/23	
p-Xylene	ND	0.0250	1	05/18/23	05/18/23	
p,m-Xylene	ND	0.0500	1	05/18/23	05/18/23	
Fotal Xylenes	ND	0.0250	1	05/18/23	05/18/23	
Surrogate: 4-Bromochlorobenzene-PID		98.4 %	70-130	05/18/23	05/18/23	
Nonhalogenated Organics by EPA 8015D - GRO	rganics by EPA 8015D - GRO mg/kg mg/kg Analyst: IY		vst: IY		Batch: 2320072	
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/18/23	05/18/23	
Surrogate: 1-Chloro-4-fluorobenzene-FID		87.2 %	70-130	05/18/23	05/18/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analy	vst: JL		Batch: 2320088
Diesel Range Organics (C10-C28)	ND	25.0	1	05/19/23	05/20/23	
Dil Range Organics (C28-C36)	ND	50.0	1	05/19/23	05/20/23	
Surrogate: n-Nonane		110 %	50-200	05/19/23	05/20/23	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analy	yst: RAS		Batch: 2320079
Chloride	ND	20.0	1	05/18/23	05/22/23	



	3	ample D	ลเล			
Pima Environmental Services-Carlsbad	Project Name:	Wes	t Pearl Queen			
PO Box 247	54-0001			Reported:		
Plains TX, 79355-0247	Project Manag	ger: Tom	Bynum			5/24/2023 3:39:59PM
		S2 - 15'				
		E305111-02				
		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	g Analyst: IY			Batch: 2320072
Benzene	ND	0.0250	1	05/18/23	05/18/23	
Ethylbenzene	ND	0.0250	1	05/18/23	05/18/23	
Toluene	ND	0.0250	1	05/18/23	05/18/23	
o-Xylene	ND	0.0250	1	05/18/23	05/18/23	
p,m-Xylene	ND	0.0500	1	05/18/23	05/18/23	
Total Xylenes	ND	0.0250	1	05/18/23	05/18/23	
Surrogate: 4-Bromochlorobenzene-PID		100 %	70-130	05/18/23	05/18/23	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2320072
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/18/23	05/18/23	
Surrogate: 1-Chloro-4-fluorobenzene-FID		87.7 %	70-130	05/18/23	05/18/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analy	st: JL		Batch: 2320088
Diesel Range Organics (C10-C28)	ND	25.0	1	05/19/23	05/20/23	
Oil Range Organics (C28-C36)	ND	50.0	1	05/19/23	05/20/23	
Surrogate: n-Nonane		103 %	50-200	05/19/23	05/20/23	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analy	st: RAS		Batch: 2320079
Chloride	ND	20.0	1	05/18/23	05/22/23	



	25	ample D	ลเล			
Pima Environmental Services-Carlsbad	Project Name:	Wes	t Pearl Queen			
PO Box 247	Project Numbe	er: 210	54-0001			Reported:
Plains TX, 79355-0247	Project Manag	er: Tom	Bynum			5/24/2023 3:39:59PM
		S3 - 5'				
		E305111-03				
		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	kg Analyst: IY			Batch: 2320072
Benzene	ND	0.0250	1	05/18/23	05/18/23	
Ethylbenzene	ND	0.0250	1	05/18/23	05/18/23	
Toluene	ND	0.0250	1	05/18/23	05/18/23	
o-Xylene	ND	0.0250	1	05/18/23	05/18/23	
p,m-Xylene	ND	0.0500	1	05/18/23	05/18/23	
Total Xylenes	ND	0.0250	1	05/18/23	05/18/23	
Surrogate: 4-Bromochlorobenzene-PID		102 %	70-130	05/18/23	05/18/23	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2320072
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/18/23	05/18/23	
Surrogate: 1-Chloro-4-fluorobenzene-FID		83.4 %	70-130	05/18/23	05/18/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analys	st: JL		Batch: 2320088
Diesel Range Organics (C10-C28)	ND	25.0	1	05/19/23	05/20/23	
Oil Range Organics (C28-C36)	ND	50.0	1	05/19/23	05/20/23	
Surrogate: n-Nonane		95.8 %	50-200	05/19/23	05/20/23	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analys	st: RAS		Batch: 2320079
Chloride	ND	20.0	1	05/18/23	05/22/23	



	3	ample D	ลเล			
Pima Environmental Services-Carlsbad	Project Name:	Wes	t Pearl Queen			
PO Box 247	Project Numb	er: 210	54-0001			Reported:
Plains TX, 79355-0247	Project Manag	ger: Tom	Bynum			5/24/2023 3:39:59PM
		S4 - 8'				
		E305111-04				
		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: IY			Batch: 2320072
Benzene	ND	0.0250	1	05/18/23	05/18/23	
Ethylbenzene	ND	0.0250	1	05/18/23	05/18/23	
Toluene	ND	0.0250	1	05/18/23	05/18/23	
o-Xylene	ND	0.0250	1	05/18/23	05/18/23	
p,m-Xylene	ND	0.0500	1	05/18/23	05/18/23	
Total Xylenes	ND	0.0250	1	05/18/23	05/18/23	
Surrogate: 4-Bromochlorobenzene-PID		101 %	70-130	05/18/23	05/18/23	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2320072
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/18/23	05/18/23	
Surrogate: 1-Chloro-4-fluorobenzene-FID		86.5 %	70-130	05/18/23	05/18/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analy	st: JL		Batch: 2320088
Diesel Range Organics (C10-C28)	ND	25.0	1	05/19/23	05/20/23	
Oil Range Organics (C28-C36)	ND	50.0	1	05/19/23	05/20/23	
Surrogate: n-Nonane		98.6 %	50-200	05/19/23	05/20/23	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analy	st: RAS		Batch: 2320079
Chloride	ND	20.0	1	05/18/23	05/22/23	



	5	ample D	ลเล					
Pima Environmental Services-Carlsbad	Project Name:	Wes	t Pearl Queen					
PO Box 247	Project Numbe	er: 210	:: 21064-0001					
Plains TX, 79355-0247	Project Manag	ger: Tom	Bynum			5/24/2023 3:39:59PM		
		S7 - 11'						
		E305111-05						
		Reporting						
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes		
Volatile Organics by EPA 8021B	mg/kg	mg/kg	ng/kg Analyst: IY			Batch: 2320072		
Benzene	ND	0.0250	1	05/18/23	05/18/23			
Ethylbenzene	ND	0.0250	1	05/18/23	05/18/23			
Toluene	ND	0.0250	1	05/18/23	05/18/23			
o-Xylene	ND	0.0250	1	05/18/23	05/18/23			
p,m-Xylene	ND	0.0500	1	05/18/23	05/18/23			
Total Xylenes	ND	0.0250	1	05/18/23	05/18/23			
Surrogate: 4-Bromochlorobenzene-PID		102 %	70-130	05/18/23	05/18/23			
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	g Analyst: IY			Batch: 2320072		
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/18/23	05/18/23			
Surrogate: 1-Chloro-4-fluorobenzene-FID		85.5 %	70-130	05/18/23	05/18/23			
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analys	st: JL		Batch: 2320088		
Diesel Range Organics (C10-C28)	ND	25.0	1	05/19/23	05/20/23			
Oil Range Organics (C28-C36)	ND	50.0	1	05/19/23	05/20/23			
Surrogate: n-Nonane		97.3 %	50-200	05/19/23	05/20/23			
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analys	st: RAS		Batch: 2320079		
Chloride	ND	20.0	1	05/18/23	05/22/23			



	3	ample D	ลเล			
Pima Environmental Services-Carlsbad	Project Name:	Wes	t Pearl Queen			
PO Box 247	Project Numb	er: 210	54-0001			Reported:
Plains TX, 79355-0247	Project Manag	ger: Tom	Bynum			5/24/2023 3:39:59PM
		SW4				
		E305111-06				
		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: IY			Batch: 2320072
Benzene	ND	0.0250	1	05/18/23	05/18/23	
Ethylbenzene	ND	0.0250	1	05/18/23	05/18/23	
Toluene	ND	0.0250	1	05/18/23	05/18/23	
o-Xylene	ND	0.0250	1	05/18/23	05/18/23	
p,m-Xylene	ND	0.0500	1	05/18/23	05/18/23	
Total Xylenes	ND	0.0250	1	05/18/23	05/18/23	
Surrogate: 4-Bromochlorobenzene-PID		101 %	70-130	05/18/23	05/18/23	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2320072
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/18/23	05/18/23	
Surrogate: 1-Chloro-4-fluorobenzene-FID		82.7 %	70-130	05/18/23	05/18/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analy	st: JL		Batch: 2320088
Diesel Range Organics (C10-C28)	ND	25.0	1	05/19/23	05/20/23	
Oil Range Organics (C28-C36)	ND	50.0	1	05/19/23	05/20/23	
Surrogate: n-Nonane		98.5 %	50-200	05/19/23	05/20/23	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analy	st: RAS		Batch: 2320079
Chloride	ND	20.0	1	05/18/23	05/22/23	



	52	ample D	ลเล			
Pima Environmental Services-Carlsbad	Project Name:	Wes	t Pearl Queen			
PO Box 247	Project Numbe	er: 210	54-0001			Reported:
Plains TX, 79355-0247	Project Manag	er: Tom	Bynum			5/24/2023 3:39:59PM
		SW5				
		E305111-07				
		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: IY			Batch: 2320072
Benzene	ND	0.0250	1	05/18/23	05/18/23	
Ethylbenzene	ND	0.0250	1	05/18/23	05/18/23	
Toluene	ND	0.0250	1	05/18/23	05/18/23	
p-Xylene	ND	0.0250	1	05/18/23	05/18/23	
p,m-Xylene	ND	0.0500	1	05/18/23	05/18/23	
Total Xylenes	ND	0.0250	1	05/18/23	05/18/23	
Surrogate: 4-Bromochlorobenzene-PID		99.5 %	70-130	05/18/23	05/18/23	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2320072
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/18/23	05/18/23	
Surrogate: 1-Chloro-4-fluorobenzene-FID		86.3 %	70-130	05/18/23	05/18/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analys	t: JL		Batch: 2320088
Diesel Range Organics (C10-C28)	ND	25.0	1	05/19/23	05/20/23	
Oil Range Organics (C28-C36)	ND	50.0	1	05/19/23	05/20/23	
Surrogate: n-Nonane		99.1 %	50-200	05/19/23	05/20/23	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analys	t: RAS		Batch: 2320079
Chloride	ND	20.0	1	05/18/23	05/22/23	



	3	ample D	ลเล			
Pima Environmental Services-Carlsbad	Project Name:	Wes	t Pearl Queen			
PO Box 247	Project Numb	er: 210	64-0001			Reported:
Plains TX, 79355-0247	Project Manag	ger: Tom	n Bynum			5/24/2023 3:39:59PM
		SW6				
		E305111-08				
		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: IY		Batch: 2320072	
Benzene	ND	0.0250	1	05/18/23	05/19/23	
Ethylbenzene	ND	0.0250	1	05/18/23	05/19/23	
Toluene	ND	0.0250	1	05/18/23	05/19/23	
p-Xylene	ND	0.0250	1	05/18/23	05/19/23	
p,m-Xylene	ND	0.0500	1	05/18/23	05/19/23	
Total Xylenes	ND	0.0250	1	05/18/23	05/19/23	
Surrogate: 4-Bromochlorobenzene-PID		101 %	70-130	05/18/23	05/19/23	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	/kg Analyst: IY			Batch: 2320072
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/18/23	05/19/23	
Surrogate: 1-Chloro-4-fluorobenzene-FID		85.5 %	70-130	05/18/23	05/19/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analy	st: JL		Batch: 2320088
Diesel Range Organics (C10-C28)	ND	25.0	1	05/19/23	05/20/23	
Dil Range Organics (C28-C36)	ND	50.0	1	05/19/23	05/20/23	
Surrogate: n-Nonane		101 %	50-200	05/19/23	05/20/23	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analy	st: RAS		Batch: 2320079
Chloride	ND	20.0	1	05/18/23	05/22/23	



# **QC Summary Data**

		QC DI		ary Data	l				
Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247		Project Name: Project Number: Project Manager:	2	West Pearl Quee 21064-0001 Fom Bynum	en				<b>Reported:</b> 5/24/2023 3:39:59PM
		Volatile Or	rganics	by EPA 802	1B				Analyst: IY
Analyte		Reporting	Spike	Source		Rec	DDD	RPD	
	Result mg/kg	Limit mg/kg	Level mg/kg	Result mg/kg	Rec %	Limits %	RPD %	Limit %	Notes
Dlank (3230072 DI K1)							Proporad: 0	5/19/22 1	nalyzad: 05/10/22
Blank (2320072-BLK1)							Prepared: 0	5/18/25 A	analyzed: 05/19/23
Benzene	ND	0.0250							
Ethylbenzene	ND	0.0250							
Toluene	ND	0.0250							
o-Xylene	ND	0.0250							
o,m-Xylene	ND	0.0500							
Total Xylenes	ND	0.0250							
Surrogate: 4-Bromochlorobenzene-PID	7.67		8.00		95.9	70-130			
LCS (2320072-BS1)							Prepared: 0	5/18/23 A	analyzed: 05/19/23
Benzene	4.55	0.0250	5.00		91.1	70-130			
Ethylbenzene	4.77	0.0250	5.00		95.3	70-130			
Toluene	4.83	0.0250	5.00		96.6	70-130			
p-Xylene	4.91	0.0250	5.00		98.1	70-130			
o,m-Xylene	9.71	0.0500	10.0		97.1	70-130			
Total Xylenes	14.6	0.0250	15.0		97.5	70-130			
Surrogate: 4-Bromochlorobenzene-PID	7.66		8.00		95.8	70-130			
Matrix Spike (2320072-MS1)				Source:	E305111-0	1	Prepared: 0	5/18/23 A	analyzed: 05/18/23
Benzene	4.37	0.0250	5.00	ND	87.3	54-133			
Ethylbenzene	4.55	0.0250	5.00	ND	91.1	61-133			
Toluene	4.64	0.0250	5.00	ND	92.9	61-130			
p-Xylene	4.73	0.0250	5.00	ND	94.6	63-131			
o,m-Xylene	9.28	0.0500	10.0	ND	92.8	63-131			
Total Xylenes	14.0	0.0250	15.0	ND	93.4	63-131			
Surrogate: 4-Bromochlorobenzene-PID	7.99		8.00		99.9	70-130			
Matrix Spike Dup (2320072-MSD1)				Source:	E305111-0	1	Prepared: 0	5/18/23 A	analyzed: 05/18/23
Benzene	4.78	0.0250	5.00	ND	95.6	54-133	9.01	20	
Ethylbenzene	4.99	0.0250	5.00	ND	99.8	61-133	9.08	20	
Toluene	5.07	0.0250	5.00	ND	101	61-130	8.78	20	
	5.15	0.0250	5.00	ND	103	63-131	8.45	20	
o-Xylene	5.15								
p-Xylene p,m-Xylene	10.1	0.0500	10.0	ND	101	63-131	8.81	20	
•			10.0 15.0	ND ND	101 102	63-131 63-131	8.81 8.69	20 20	



# **QC Summary Data**

		QU N		ary Data					
Pima Environmental Services-Carlsbad PO Box 247		Project Name: Project Number:		West Pearl Queen 21064-0001					Reported:
Plains TX, 79355-0247		Project Manager:	]	Fom Bynum					5/24/2023 3:39:59PM
	No	nhalogenated O	rganics	s by EPA 8015	5D - Gl	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 (2320072-BLK1)							Prepared: 0	5/18/23 A	Analyzed: 05/19/23
Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.08		8.00		88.5	70-130			
LCS (2320072-BS2)							Prepared: 0	5/18/23 A	Analyzed: 05/18/23
Gasoline Range Organics (C6-C10)	44.2	20.0	50.0		88.4	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.19		8.00		89.9	70-130			
Matrix Spike (2320072-MS2)				Source: E	305111-(	01	Prepared: 0	5/18/23 A	Analyzed: 05/19/23
Gasoline Range Organics (C6-C10)	42.6	20.0	50.0	ND	85.2	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	6.79		8.00		84.8	70-130			
Matrix Spike Dup (2320072-MSD2)				Source: E	305111-(	01	Prepared: 0	5/18/23 A	Analyzed: 05/18/23
Gasoline Range Organics (C6-C10)	41.7	20.0	50.0	ND	83.5	70-130	2.02	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.19		8.00		89.9	70-130			



# **QC Summary Data**

		QU D	u 111 111	ary Data					
Pima Environmental Services-Carlsbac PO Box 247	1	Project Name: Project Number:	2	West Pearl Queer 21064-0001	1				Reported:
Plains TX, 79355-0247		Project Manager:		Tom Bynum					5/24/2023 3:39:59PM
	Nonh	alogenated Org	anics by	y EPA 8015D	- DRO	/ORO			Analyst: JL
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
Blank (2320088-BLK1)							Prepared: 0	5/19/23 A	Analyzed: 05/19/23
Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	50.0		50.0		100	50-200			
LCS (2320088-BS1)							Prepared: 0	5/19/23 A	Analyzed: 05/19/23
Diesel Range Organics (C10-C28)	245	25.0	250		98.0	38-132			
Surrogate: n-Nonane	49.4		50.0		98.8	50-200			
Matrix Spike (2320088-MS1)				Source: E	305111-0	02	Prepared: 0	5/19/23 A	Analyzed: 05/19/23
Diesel Range Organics (C10-C28)	245	25.0	250	ND	98.0	38-132			
Surrogate: n-Nonane	47.4		50.0		94.8	50-200			
Matrix Spike Dup (2320088-MSD1)				Source: E	305111-(	02	Prepared: 0	5/19/23 A	Analyzed: 05/19/23
Diesel Range Organics (C10-C28)	245	25.0	250	ND	97.8	38-132	0.207	20	
Surrogate: n-Nonane	45.1		50.0		90.2	50-200			



# **QC Summary Data**

		$\chi \sim \sim$		, <u> </u>						
Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247		Project Name: Project Number: Project Manager:		West Pearl Queer 21064-0001 Tom Bynum	1					orted: 3:39:59PM
		Anions l	by EPA	300.0/9056A					Analyst:	RAS
Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %		Notes
Blank (2320079-BLK1)							Prepared: 0	5/18/23	Analyzed: 0	5/22/23
Chloride LCS (2320079-BS1)	ND	20.0					Prepared: 0	5/18/23	Analyzed: 0	5/22/23
Chloride	254	20.0	250		102	90-110	-		-	
Matrix Spike (2320079-MS1)				Source: E	305111-0	1	Prepared: 0	5/18/23	Analyzed: 0	5/22/23
Chloride	253	20.0	250	ND	101	80-120				
Matrix Spike Dup (2320079-MSD1)				Source: E	305111-0	1	Prepared: 0	5/18/23	Analyzed: 0	5/22/23
Chloride	254	20.0	250	ND	102	80-120	0.378	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:	West Pearl Queen	
	PO Box 247	Project Number:	21064-0001	Reported:
1	Plains TX, 79355-0247	Project Manager:	Tom Bynum	05/24/23 15:39

ND	Analyte NOT DETECTED at or above the reporting limit
----	------------------------------------------------------

NR Not Reported

RPD Relative Percent Difference

DNI Did Not Ignite

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

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



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roject:	ma Envi	Pearl	Que	ices the	Attent	ion: Della Arm	fran Energy	Lab	WO#			e On Job N	Jum	ber	1D	2D	3D		dard	CWA	rogram
	lanager: 5614 N.				Addre	ss: tate, Zip		E.	305	111		220	93	0001	-			X	et and the second		RCRA
	e, Zip Ho				Phone						-	Analy	sis an	d Meth		1	11	- 3			RCR/
hone: 5	80-748-	1613			Email			015	015										andreas and a second second	State	L
imail: t leport du	om@pin	naoil.com	n		Pima	Project # 19 - 12		by 8	) by 8(	1021	260	10	300.0		WN	ž		N	M CO	UT AZ	TX
Time	Date		No. of				Lab	DRO/ORO by 8015	GRO/DRO by 8015	BTEX by 8021	VOC by 8260	Metals 6010	Chloride 300.0								
Sampled	Sampled	Matrix	Containers	Sample ID			Number	DRO	GRO	BTE)	voc	Met	Chlo		BGDOC	BGDOC				Remarks	
2:05	Slick	5	11	SI - 9'											X						
2:10	1		1	52-15	-1		2								1						
2:15				53 - 5	,`		3								1				_		
2:20				54 -8'			4								1.						
1.25				57-11			5								It		:				
2:30				5004			10	*												-1)	
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Relinquish	ed by: (Sign		Da	te Time	910 R	eceived by: (Signature)	Date /10	100	Time	200	-				().			7 1	3		285
HANdie		1550		5-18-23 0?	100	alle mar	-10/18	65	10,	20		10 m 1 h 2 m	Bern Back to St.	np °C	7		NOA	and a start	and wanter als		A start
				Aqueous, O - Other	inless other :	arrangements are made. Hazard	Containe												or the ana	vsis of the	above

## **Envirotech Analytical Laboratory**

Sample Receipt Checklist (SRC)

Client:	Pima Environmental Services-Carlsbad Da	ate Received:	05/18/23	08:20	Work Order ID:	E305111
Phone:	(575) 631-6977 Da	ate Logged In:	05/18/23	09:55	Logged In By:	Caitlin Mars
Email:		ue Date:		17:00 (4 day TAT)		
Chain o	f Custody (COC)					
1. Does	the sample ID match the COC?		Yes			
	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	he COC complete, i.e., signatures, dates/times, requested	l 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 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	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-		Yes			
	minutes of sampling		~			
	visible ice, record the temperature. Actual sample ter	nperature: <u>4</u> °	<u>C</u>			
	<u>Container</u>					
	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?	a all a at a d 9	Yes			
		conecteur	Yes			
Field La	<b>Example</b> by the second	ation				
	Sample ID?	ation.	Yes			
	Date/Time Collected?		Yes			
(	Collectors name?		No			
	Preservation					
	s the COC or field labels indicate the samples were prese	rved?	No			
	sample(s) correctly preserved?		NA			
24. Is lal	b filteration required and/or requested for dissolved meta	uls?	No			
	ase Sample Matrix					
	s the sample have more than one phase, i.e., multiphase?		No			
27. If ye	s, does the COC specify which phase(s) is to be analyzed	d?	NA			
Subcont	ract Laboratory					
28. Are	samples required to get sent to a subcontract laboratory?		No			
29. Was	a subcontract laboratory specified by the client and if so	who?	NA	Subcontract Lab: NA		
Client	Instruction					

Date

envirotech Inc.

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



November 20, 2024

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

RE: WEST PEARL QUEEN

Enclosed are the results of analyses for samples received by the laboratory on 11/14/24 8:26.

Cardinal Laboratories is accredited through Texas NELAP under certificate number TX-C24-00112. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (\*). For a complete list of accredited analytes and matrices visit the TCEQ website at <a href="https://www.tceq.texas.gov/field/ga/lab\_accred\_certif.html">www.tceq.texas.gov/field/ga/lab\_accred\_certif.html</a>.

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

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

Accreditation applies to public drinking water matrices.

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

Sincerely,

Celey D. Keine

Celey D. Keene Lab Director/Quality Manager



#### Analytical Results For:

		PIMA ENVIROMENTAL SEBASTIAN OROZCO 1601 N TURNER STE. 500 HOBBS NM, 88240 Fax To:		
Received:	11/14/2024		Sampling Date:	11/11/2024
Reported:	11/20/2024		Sampling Type:	Soil
Project Name:	WEST PEARL QUEE	N	Sampling Condition:	Cool & Intact
Project Number:	19-12		Sample Received By:	Shalyn Rodriguez
Project Location:	ARMSTRONG-EDDY	' COUNTY		

#### Sample ID: CS 1 - BOTTOM (H246939-01)

BTEX 8021B	mg/	/kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/15/2024	ND	2.38	119	2.00	7.63	
Toluene*	<0.050	0.050	11/15/2024	ND	2.31	116	2.00	7.07	
Ethylbenzene*	<0.050	0.050	11/15/2024	ND	2.39	120	2.00	3.97	
Total Xylenes*	<0.150	0.150	11/15/2024	ND	7.08	118	6.00	3.58	
Total BTEX	<0.300	0.300	11/15/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	107	% 71.5-13	4						
Chloride, SM4500Cl-B	mg/	/kg	Analyze	d By: CT					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	11/15/2024	ND	432	108	400	3.64	
TPH 8015M	mg,	/kg	Analyze	d By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/14/2024	ND	225	113	200	1.77	
DRO >C10-C28*	<10.0	10.0	11/14/2024	ND	214	107	200	1.37	
EXT DRO >C28-C36	<10.0	10.0	11/14/2024	ND					
Surrogate: 1-Chlorooctane	97.4	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	94.2	% 49.1-14	0						

#### Cardinal Laboratories

#### \*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatscever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including whose shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including whose share there applied by the services arise of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celez D. Keine

Celey D. Keene, Lab Director/Quality Manager



#### Analytical Results For:

Received:11/14/2024Sampling Date:11/11/2024Reported:11/20/2024Sampling Type:SoilProject Name:WEST PEARL QUEENSampling Condition:Cool & IntactProject Number:19-12Sample Received By:Shalyn Rodriguez		PIMA ENVIROMEN SEBASTIAN OROZ 1601 N TURNER HOBBS NM, 88240 Fax To:	ZCO STE. 500	
Project Location: ARMSTRONG-EDDY COUNTY	Reported: Project Name: Project Number:	11/20/2024 WEST PEARL QUEEN 19-12	Sampling Type: Sampling Condition:	Soil Cool & Intact

#### Sample ID: CS 2 - BOTTOM (H246939-02)

BTEX 8021B	mg/	/kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/16/2024	ND	2.38	119	2.00	7.63	
Toluene*	<0.050	0.050	11/16/2024	ND	2.31	116	2.00	7.07	
Ethylbenzene*	<0.050	0.050	11/16/2024	ND	2.39	120	2.00	3.97	
Total Xylenes*	<0.150	0.150	11/16/2024	ND	7.08	118	6.00	3.58	
Total BTEX	<0.300	0.300	11/16/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	106 9	% 71.5-13	4						
Chloride, SM4500Cl-B	mg/	/kg	Analyze	d By: CT					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	11/15/2024	ND	432	108	400	3.64	
TPH 8015M	mg/	/kg	Analyze	d By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/14/2024	ND	225	113	200	1.77	
DRO >C10-C28*	<10.0	10.0	11/14/2024	ND	214	107	200	1.37	
EXT DRO >C28-C36	<10.0	10.0	11/14/2024	ND					
Surrogate: 1-Chlorooctane	100 9	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	96.0	% 49.1-14	8						

#### Cardinal Laboratories

#### \*=Accredited Analyte

Celez D. Keine

Celey D. Keene, Lab Director/Quality Manager



#### Analytical Results For:

Received:11/14/2024Sampling Date:11/11/2024Reported:11/20/2024Sampling Type:SoilProject Name:WEST PEARL QUEENSampling Condition:Cool & IntactProject Number:19-12Sample Received By:Shalyn Rodriguez		PIMA ENVIROMEN SEBASTIAN OROZ 1601 N TURNER HOBBS NM, 88240 Fax To:	ZCO STE. 500	
Project Location: ARMSTRONG-EDDY COUNTY	Reported: Project Name: Project Number:	11/20/2024 WEST PEARL QUEEN 19-12	Sampling Type: Sampling Condition:	Soil Cool & Intact

#### Sample ID: CS 3 - BOTTOM (H246939-03)

BTEX 8021B	mg/	/kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/16/2024	ND	2.38	119	2.00	7.63	
Toluene*	<0.050	0.050	11/16/2024	ND	2.31	116	2.00	7.07	
Ethylbenzene*	<0.050	0.050	11/16/2024	ND	2.39	120	2.00	3.97	
Total Xylenes*	<0.150	0.150	11/16/2024	ND	7.08	118	6.00	3.58	
Total BTEX	<0.300	0.300	11/16/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	105 9	% 71.5-13	4						
Chloride, SM4500Cl-B	mg/	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	11/15/2024	ND	480	120	400	6.90	
TPH 8015M	mg/	/kg	Analyze	d By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/14/2024	ND	225	113	200	1.77	
DRO >C10-C28*	<10.0	10.0	11/14/2024	ND	214	107	200	1.37	
EXT DRO >C28-C36	<10.0	10.0	11/14/2024	ND					
Surrogate: 1-Chlorooctane	89.6	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	86.8	% 49.1-14	0						

#### Cardinal Laboratories

#### \*=Accredited Analyte

Celez D. Keine

Celey D. Keene, Lab Director/Quality Manager



#### Analytical Results For:

	PIMA ENVIROMENTAL SEBASTIAN OROZCO 1601 N TURNER STE. 5 HOBBS NM, 88240 Fax To:	00	
Received: Reported:	11/14/2024 11/20/2024	Sampling Date: Sampling Type:	11/11/2024 Soil
Project Name: Project Number: Project Location:	WEST PEARL QUEEN 19-12 ARMSTRONG-EDDY COUNTY	Sampling Condition: Sample Received By:	Cool & Intact Shalyn Rodriguez

#### Sample ID: CS 4 - BOTTOM (H246939-04)

BTEX 8021B	mg/	′kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/16/2024	ND	2.38	119	2.00	7.63	
Toluene*	<0.050	0.050	11/16/2024	ND	2.31	116	2.00	7.07	
Ethylbenzene*	<0.050	0.050	11/16/2024	ND	2.39	120	2.00	3.97	
Total Xylenes*	<0.150	0.150	11/16/2024	ND	7.08	118	6.00	3.58	
Total BTEX	<0.300	0.300	11/16/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	108 9	% 71.5-13	4						
Chloride, SM4500Cl-B	mg/	′kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	11/15/2024	ND	480	120	400	6.90	
TPH 8015M	mg/	′kg	Analyzed By: ms						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/14/2024	ND	225	113	200	1.77	
DRO >C10-C28*	<10.0	10.0	11/14/2024	ND	214	107	200	1.37	
EXT DRO >C28-C36	<10.0	10.0	11/14/2024	ND					
Surrogate: 1-Chlorooctane	94.3	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	90.3	% 49.1-14	8						

#### Cardinal Laboratories

#### \*=Accredited Analyte

Celez D. Keine

Celey D. Keene, Lab Director/Quality Manager



#### Analytical Results For:

	PIMA ENVIROMENTAL SEBASTIAN OROZCO 1601 N TURNER STE. 5 HOBBS NM, 88240 Fax To:	00	
Received: Reported:	11/14/2024 11/20/2024	Sampling Date: Sampling Type:	11/11/2024 Soil
Project Name: Project Number: Project Location:	WEST PEARL QUEEN 19-12 ARMSTRONG-EDDY COUNTY	Sampling Condition: Sample Received By:	Cool & Intact Shalyn Rodriguez

#### Sample ID: CS 5 - BOTTOM (H246939-05)

BTEX 8021B	mg/	/kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/16/2024	ND	2.38	119	2.00	7.63	
Toluene*	<0.050	0.050	11/16/2024	ND	2.31	116	2.00	7.07	
Ethylbenzene*	<0.050	0.050	11/16/2024	ND	2.39	120	2.00	3.97	
Total Xylenes*	<0.150	0.150	11/16/2024	ND	7.08	118	6.00	3.58	
Total BTEX	<0.300	0.300	11/16/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	109 9	% 71.5-13	4						
Chloride, SM4500Cl-B	mg/	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	11/15/2024	ND	480	120	400	6.90	
TPH 8015M	mg/	/kg	Analyze	d By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/14/2024	ND	225	113	200	1.77	
DRO >C10-C28*	<10.0	10.0	11/14/2024	ND	214	107	200	1.37	
EXT DRO >C28-C36	<10.0	10.0	11/14/2024	ND					
Surrogate: 1-Chlorooctane	96.8	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	93.1	% 49.1-14	8						

#### **Cardinal Laboratories**

#### \*=Accredited Analyte

Celez D. Keine

Celey D. Keene, Lab Director/Quality Manager



#### Analytical Results For:

	PIMA ENVIROMENTAL SEBASTIAN OROZCO 1601 N TURNER STE. 5 HOBBS NM, 88240 Fax To:	00	
Received: Reported:	11/14/2024 11/20/2024	Sampling Date: Sampling Type:	11/11/2024 Soil
Project Name: Project Number: Project Location:	WEST PEARL QUEEN 19-12 ARMSTRONG-EDDY COUNTY	Sampling Condition: Sample Received By:	Cool & Intact Shalyn Rodriguez

#### Sample ID: CS 6 - BOTTOM (H246939-06)

BTEX 8021B	mg/	′kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/16/2024	ND	2.38	119	2.00	7.63	
Toluene*	<0.050	0.050	11/16/2024	ND	2.31	116	2.00	7.07	
Ethylbenzene*	<0.050	0.050	11/16/2024	ND	2.39	120	2.00	3.97	
Total Xylenes*	<0.150	0.150	11/16/2024	ND	7.08	118	6.00	3.58	
Total BTEX	<0.300	0.300	11/16/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	105 9	% 71.5-13	4						
Chloride, SM4500Cl-B	mg/	′kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	11/15/2024	ND	480	120	400	6.90	
TPH 8015M	mg/	′kg	Analyzed By: ms						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/14/2024	ND	225	113	200	1.77	
DRO >C10-C28*	<10.0	10.0	11/14/2024	ND	214	107	200	1.37	
EXT DRO >C28-C36	<10.0	10.0	11/14/2024	ND					
Surrogate: 1-Chlorooctane	98.3	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	93.2	% 49.1-14	8						

#### **Cardinal Laboratories**

#### \*=Accredited Analyte

Celez D. Keine

Celey D. Keene, Lab Director/Quality Manager



#### Analytical Results For:

Received:11/14/2024Sampling Date:11/11/2024Reported:11/20/2024Sampling Type:SoilProject Name:WEST PEARL QUEENSampling Condition:Cool & IntactProject Number:19-12Sample Received By:Shalyn Rodriguez		PIMA ENVIROMEN SEBASTIAN OROZ 1601 N TURNER HOBBS NM, 88240 Fax To:	ZCO STE. 500	
Project Location: ARMSTRONG-EDDY COUNTY	Reported: Project Name: Project Number:	11/20/2024 WEST PEARL QUEEN 19-12	Sampling Type: Sampling Condition:	Soil Cool & Intact

#### Sample ID: CS 7 - BOTTOM (H246939-07)

BTEX 8021B	mg/	′kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/16/2024	ND	2.38	119	2.00	7.63	
Toluene*	<0.050	0.050	11/16/2024	ND	2.31	116	2.00	7.07	
Ethylbenzene*	<0.050	0.050	11/16/2024	ND	2.39	120	2.00	3.97	
Total Xylenes*	<0.150	0.150	11/16/2024	ND	7.08	118	6.00	3.58	
Total BTEX	<0.300	0.300	11/16/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	108 9	% 71.5-13	4						
Chloride, SM4500Cl-B	mg/	′kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	11/15/2024	ND	480	120	400	6.90	
TPH 8015M	mg/	′kg	Analyze	d By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/14/2024	ND	225	113	200	1.77	
DRO >C10-C28*	<10.0	10.0	11/14/2024	ND	214	107	200	1.37	
EXT DRO >C28-C36	<10.0	10.0	11/14/2024	ND					
Surrogate: 1-Chlorooctane	97.0	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	93.4	% 49.1-14	8						

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#### \*=Accredited Analyte

Celez D. Keine

Celey D. Keene, Lab Director/Quality Manager



#### Analytical Results For:

		PIMA ENVIROMENTAL SEBASTIAN OROZCO 1601 N TURNER STE. 500 HOBBS NM, 88240 Fax To:		
Received:	11/14/2024		Sampling Date:	11/11/2024
Reported:	11/20/2024		Sampling Type:	Soil
Project Name:	WEST PEARL QUEEN	N	Sampling Condition:	Cool & Intact
Project Number:	19-12		Sample Received By:	Shalyn Rodriguez
Project Location:	ARMSTRONG-EDDY	COUNTY		

#### Sample ID: CS 8 - BOTTOM (H246939-08)

BTEX 8021B	mg/	′kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/16/2024	ND	2.38	119	2.00	7.63	
Toluene*	<0.050	0.050	11/16/2024	ND	2.31	116	2.00	7.07	
Ethylbenzene*	<0.050	0.050	11/16/2024	ND	2.39	120	2.00	3.97	
Total Xylenes*	<0.150	0.150	11/16/2024	ND	7.08	118	6.00	3.58	
Total BTEX	<0.300	0.300	11/16/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	109 9	% 71.5-13	4						
Chloride, SM4500Cl-B	mg/	′kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	11/15/2024	ND	480	120	400	6.90	
TPH 8015M	mg/	′kg	Analyze	d By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/14/2024	ND	225	113	200	1.77	
DRO >C10-C28*	<10.0	10.0	11/14/2024	ND	214	107	200	1.37	
EXT DRO >C28-C36	<10.0	10.0	11/14/2024	ND					
Surrogate: 1-Chlorooctane	96.8	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	93.0	% 49.1-14	8						

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Celey D. Keene, Lab Director/Quality Manager



#### Analytical Results For:

		PIMA ENVIROMENTAL SEBASTIAN OROZCO 1601 N TURNER STE. 500 HOBBS NM, 88240 Fax To:			
Received:	11/14/2024		Sampling Date:	1	1/11/2024
Reported:	11/20/2024		Sampling Type:	S	oil
Project Name:	WEST PEARL QUEEN		Sampling Condition:	C	ool & Intact
Project Number:	19-12		Sample Received By:	S	nalyn Rodriguez
Project Location:	ARMSTRONG-EDDY (	COUNTY			

#### Sample ID: CS 9 - BOTTOM (H246939-09)

BTEX 8021B	mg/kg		Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/15/2024	ND	1.94	97.1	2.00	4.80	
Toluene*	<0.050	0.050	11/15/2024	ND	2.02	101	2.00	4.01	
Ethylbenzene*	<0.050	0.050	11/15/2024	ND	2.03	102	2.00	3.64	
Total Xylenes*	<0.150	0.150	11/15/2024	ND	6.04	101	6.00	3.68	
Total BTEX	<0.300	0.300	11/15/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	105	% 71.5-13	4						
Chloride, SM4500Cl-B	mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	11/15/2024	ND	480	120	400	6.90	
TPH 8015M	mg,	/kg	Analyze	d By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/14/2024	ND	225	113	200	1.77	
DRO >C10-C28*	<10.0	10.0	11/14/2024	ND	214	107	200	1.37	
EXT DRO >C28-C36	<10.0	10.0	11/14/2024	ND					
Surrogate: 1-Chlorooctane	97.4	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	93.5	% 49.1-14	8						

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Celez D. Keine

Celey D. Keene, Lab Director/Quality Manager



#### Analytical Results For:

		PIMA ENVIROMENTAL SEBASTIAN OROZCO 1601 N TURNER STE. 500 HOBBS NM, 88240 Fax To:		
Received:	11/14/2024		Sampling Date:	11/11/2024
Reported:	11/20/2024		Sampling Type:	Soil
Project Name:	WEST PEARL QUEE	N	Sampling Condition:	Cool & Intact
Project Number:	19-12		Sample Received By:	Shalyn Rodriguez
Project Location:	ARMSTRONG-EDDY	COUNTY		

#### Sample ID: CS 10 - BOTTOM (H246939-10)

BTEX 8021B	mg/kg		Analyze	Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/15/2024	ND	1.94	97.1	2.00	4.80	
Toluene*	<0.050	0.050	11/15/2024	ND	2.02	101	2.00	4.01	
Ethylbenzene*	<0.050	0.050	11/15/2024	ND	2.03	102	2.00	3.64	
Total Xylenes*	<0.150	0.150	11/15/2024	ND	6.04	101	6.00	3.68	
Total BTEX	<0.300	0.300	11/15/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	103 9	% 71.5-13	4						
Chloride, SM4500Cl-B	mg/	'kg	Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	11/15/2024	ND	480	120	400	6.90	
TPH 8015M	mg/	kg	Analyze	d By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/14/2024	ND	225	113	200	1.77	
DRO >C10-C28*	<10.0	10.0	11/14/2024	ND	214	107	200	1.37	
EXT DRO >C28-C36	<10.0	10.0	11/14/2024	ND					
Surrogate: 1-Chlorooctane	94.3	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	89.5	% 49.1-14	8						

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Celey D. Keene, Lab Director/Quality Manager



#### Analytical Results For:

	PIMA ENVIROMENTAL SEBASTIAN OROZCO 1601 N TURNER STE. 5 HOBBS NM, 88240 Fax To:	00	
Received: Reported:	11/14/2024 11/20/2024	Sampling Date: Sampling Type:	11/11/2024 Soil
Project Name: Project Number: Project Location:	WEST PEARL QUEEN 19-12 ARMSTRONG-EDDY COUNTY	Sampling Condition: Sample Received By:	Cool & Intact Shalyn Rodriguez

#### Sample ID: CS 11 - BOTTOM (H246939-11)

BTEX 8021B	mg/kg		Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/15/2024	ND	1.94	97.1	2.00	4.80	
Toluene*	<0.050	0.050	11/15/2024	ND	2.02	101	2.00	4.01	
Ethylbenzene*	<0.050	0.050	11/15/2024	ND	2.03	102	2.00	3.64	
Total Xylenes*	<0.150	0.150	11/15/2024	ND	6.04	101	6.00	3.68	
Total BTEX	<0.300	0.300	11/15/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	103 9	% 71.5-13	4						
Chloride, SM4500Cl-B	mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	11/15/2024	ND	480	120	400	6.90	
TPH 8015M	mg/	/kg	Analyze	d By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/14/2024	ND	225	113	200	1.77	
DRO >C10-C28*	<10.0	10.0	11/14/2024	ND	214	107	200	1.37	
EXT DRO >C28-C36	<10.0	10.0	11/14/2024	ND					
Surrogate: 1-Chlorooctane	101 9	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	96.0	% 49.1-14	8						

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Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



#### Analytical Results For:

Received:11/14/2024Sampling Date:11/11/2024Reported:11/20/2024Sampling Type:SoilProject Name:WEST PEARL QUEENSampling Condition:Cool & IntactProject Number:19-12Sample Received By:Shalyn Rodriguez		PIMA ENVIROMEN SEBASTIAN OROZ 1601 N TURNER HOBBS NM, 88240 Fax To:	ZCO STE. 500	
Project Location: ARMSTRONG-EDDY COUNTY	Reported: Project Name: Project Number:	11/20/2024 WEST PEARL QUEEN 19-12	Sampling Type: Sampling Condition:	Soil Cool & Intact

#### Sample ID: CS 12 - BOTTOM (H246939-12)

BTEX 8021B	mg/kg		Analyze	Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/15/2024	ND	1.94	97.1	2.00	4.80	
Toluene*	<0.050	0.050	11/15/2024	ND	2.02	101	2.00	4.01	
Ethylbenzene*	<0.050	0.050	11/15/2024	ND	2.03	102	2.00	3.64	
Total Xylenes*	<0.150	0.150	11/15/2024	ND	6.04	101	6.00	3.68	
Total BTEX	<0.300	0.300	11/15/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	104	% 71.5-13	4						
Chloride, SM4500Cl-B	mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	11/15/2024	ND	480	120	400	6.90	
TPH 8015M	mg,	/kg	Analyze	d By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/15/2024	ND	225	113	200	1.77	
DRO >C10-C28*	<10.0	10.0	11/15/2024	ND	214	107	200	1.37	
EXT DRO >C28-C36	<10.0	10.0	11/15/2024	ND					
Surrogate: 1-Chlorooctane	85.9	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	83.9	% 49.1-14	8						

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Celez D. Keine

Celey D. Keene, Lab Director/Quality Manager



#### Analytical Results For:

	PIMA ENVIROMENTAL SEBASTIAN OROZCO 1601 N TURNER STE. 5 HOBBS NM, 88240 Fax To:	00	
Received: Reported:	11/14/2024 11/20/2024	Sampling Date: Sampling Type:	11/11/2024 Soil
Project Name: Project Number: Project Location:	WEST PEARL QUEEN 19-12 ARMSTRONG-EDDY COUNTY	Sampling Condition: Sample Received By:	Cool & Intact Shalyn Rodriguez

#### Sample ID: CS 13 - BOTTOM (H246939-13)

BTEX 8021B	mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/15/2024	ND	1.94	97.1	2.00	4.80	
Toluene*	<0.050	0.050	11/15/2024	ND	2.02	101	2.00	4.01	
Ethylbenzene*	<0.050	0.050	11/15/2024	ND	2.03	102	2.00	3.64	
Total Xylenes*	<0.150	0.150	11/15/2024	ND	6.04	101	6.00	3.68	
Total BTEX	<0.300	0.300	11/15/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	104 9	% 71.5-13	4						
Chloride, SM4500Cl-B	mg/	'kg	Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	16.0	16.0	11/15/2024	ND	480	120	400	6.90	
TPH 8015M	mg/	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/14/2024	ND	204	102	200	0.271	
DRO >C10-C28*	<10.0	10.0	11/14/2024	ND	200	99.9	200	0.330	
EXT DRO >C28-C36	<10.0	10.0	11/14/2024	ND					
Surrogate: 1-Chlorooctane	116 9	48.2-13	4						
Surrogate: 1-Chlorooctadecane	116 9	% 49.1-14	8						

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Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



#### Analytical Results For:

	PIMA ENVIROMENTAL SEBASTIAN OROZCO 1601 N TURNER STE. 5 HOBBS NM, 88240 Fax To:	00	
Received: Reported:	11/14/2024 11/20/2024	Sampling Date: Sampling Type:	11/11/2024 Soil
Project Name: Project Number: Project Location:	WEST PEARL QUEEN 19-12 ARMSTRONG-EDDY COUNTY	Sampling Condition: Sample Received By:	Cool & Intact Shalyn Rodriguez

#### Sample ID: CS 14 - BOTTOM (H246939-14)

BTEX 8021B	mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/15/2024	ND	1.94	97.1	2.00	4.80	
Toluene*	<0.050	0.050	11/15/2024	ND	2.02	101	2.00	4.01	
Ethylbenzene*	<0.050	0.050	11/15/2024	ND	2.03	102	2.00	3.64	
Total Xylenes*	<0.150	0.150	11/15/2024	ND	6.04	101	6.00	3.68	
Total BTEX	<0.300	0.300	11/15/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	104 9	% 71.5-13	4						
Chloride, SM4500Cl-B	mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	11/15/2024	ND	480	120	400	6.90	
TPH 8015M	mg/	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/14/2024	ND	204	102	200	0.271	
DRO >C10-C28*	<10.0	10.0	11/14/2024	ND	200	99.9	200	0.330	
EXT DRO >C28-C36	<10.0	10.0	11/14/2024	ND					
Surrogate: 1-Chlorooctane	115 9	48.2-13	4						
Surrogate: 1-Chlorooctadecane	113 9	% 49.1-14	8						

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Celez D. Keine

Celey D. Keene, Lab Director/Quality Manager



#### Analytical Results For:

		PIMA ENVIROMENTAL SEBASTIAN OROZCO 1601 N TURNER STE. 500 HOBBS NM, 88240 Fax To:		
Received:	11/14/2024		Sampling Date:	11/11/2024
Reported:	11/20/2024		Sampling Type:	Soil
Project Name:	WEST PEARL QUEEN	N	Sampling Condition:	Cool & Intact
Project Number:	19-12		Sample Received By:	Shalyn Rodriguez
Project Location:	ARMSTRONG-EDDY	COUNTY		

#### Sample ID: CS 15 - BOTTOM (H246939-15)

BTEX 8021B	mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/15/2024	ND	1.94	97.1	2.00	4.80	
Toluene*	<0.050	0.050	11/15/2024	ND	2.02	101	2.00	4.01	
Ethylbenzene*	<0.050	0.050	11/15/2024	ND	2.03	102	2.00	3.64	
Total Xylenes*	<0.150	0.150	11/15/2024	ND	6.04	101	6.00	3.68	
Total BTEX	<0.300	0.300	11/15/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	104 9	% 71.5-13	4						
Chloride, SM4500Cl-B	mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	11/15/2024	ND	480	120	400	6.90	
TPH 8015M	mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/14/2024	ND	204	102	200	0.271	
DRO >C10-C28*	<10.0	10.0	11/14/2024	ND	200	99.9	200	0.330	
EXT DRO >C28-C36	<10.0	10.0	11/14/2024	ND					
Surrogate: 1-Chlorooctane	117 % 48.2-13		4						
Surrogate: 1-Chlorooctadecane	115 9	% 49.1-14	8						

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Celey D. Keene, Lab Director/Quality Manager


# Analytical Results For:

		PIMA ENVIROMENTAL SEBASTIAN OROZCO 1601 N TURNER STE. 500 HOBBS NM, 88240 Fax To:		
Received:	11/14/2024		Sampling Date:	11/11/2024
Reported:	11/20/2024		Sampling Type:	Soil
Project Name:	WEST PEARL QUEE	N	Sampling Condition:	Cool & Intact
Project Number:	19-12		Sample Received By:	Shalyn Rodriguez
Project Location:	ARMSTRONG-EDDY	COUNTY		

## Sample ID: CS 16 - BOTTOM (H246939-16)

BTEX 8021B	mg/	'kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/15/2024	ND	1.94	97.1	2.00	4.80	
Toluene*	<0.050	0.050	11/15/2024	ND	2.02	101	2.00	4.01	
Ethylbenzene*	<0.050	0.050	11/15/2024	ND	2.03	102	2.00	3.64	
Total Xylenes*	<0.150	0.150	11/15/2024	ND	6.04	101	6.00	3.68	
Total BTEX	<0.300	0.300	11/15/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	103 9	% 71.5-13	4						
Chloride, SM4500Cl-B	mg/	'kg	Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	11/15/2024	ND	480	120	400	6.90	
TPH 8015M	mg/	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/14/2024	ND	204	102	200	0.271	
DRO >C10-C28*	<10.0	10.0	11/14/2024	ND	200	99.9	200	0.330	
EXT DRO >C28-C36	<10.0	10.0	11/14/2024	ND					
Surrogate: 1-Chlorooctane	118 9	48.2-13	4						
Surrogate: 1-Chlorooctadecane	118 9	6 49.1-14	8						

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#### \*=Accredited Analyte

Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



# Analytical Results For:

Received:11/14/2024Sampling Date:11/11/2024Reported:11/20/2024Sampling Type:SoilProject Name:WEST PEARL QUEENSampling Condition:Cool & IntactProject Number:19-12Sample Received By:Shalyn Rodriguez		PIMA ENVIROMEN SEBASTIAN OROZ 1601 N TURNER HOBBS NM, 88240 Fax To:	ZCO STE. 500	
Project Location: ARMSTRONG-EDDY COUNTY	Reported: Project Name: Project Number:	11/20/2024 WEST PEARL QUEEN 19-12	Sampling Type: Sampling Condition:	Soil Cool & Intact

#### Sample ID: CS 17 - BOTTOM (H246939-17)

BTEX 8021B	mg/kg		Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/15/2024	ND	1.94	97.1	2.00	4.80	
Toluene*	<0.050	0.050	11/15/2024	ND	2.02	101	2.00	4.01	
Ethylbenzene*	<0.050	0.050	11/15/2024	ND	2.03	102	2.00	3.64	
Total Xylenes*	<0.150	0.150	11/15/2024	ND	6.04	101	6.00	3.68	
Total BTEX	<0.300	0.300	11/15/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	103	% 71.5-13	4						
Chloride, SM4500Cl-B	mg,	/kg	Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	11/15/2024	ND	480	120	400	6.90	
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/14/2024	ND	204	102	200	0.271	
DRO >C10-C28*	<10.0	10.0	11/14/2024	ND	200	99.9	200	0.330	
EXT DRO >C28-C36	<10.0	10.0	11/14/2024	ND					
Surrogate: 1-Chlorooctane	123	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	121	% 49.1-14	8						

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Celey D. Keene, Lab Director/Quality Manager



# Analytical Results For:

		PIMA ENVIROMENTAL SEBASTIAN OROZCO 1601 N TURNER STE. 500 HOBBS NM, 88240 Fax To:		
Received:	11/14/2024		Sampling Date:	11/11/2024
Reported:	11/20/2024		Sampling Type:	Soil
Project Name:	WEST PEARL QUEE	N	Sampling Condition:	Cool & Intact
Project Number:	19-12		Sample Received By:	Shalyn Rodriguez
Project Location:	ARMSTRONG-EDDY	COUNTY		

## Sample ID: CS 18 - BOTTOM (H246939-18)

BTEX 8021B	mg/	'kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/15/2024	ND	1.94	97.1	2.00	4.80	
Toluene*	<0.050	0.050	11/15/2024	ND	2.02	101	2.00	4.01	
Ethylbenzene*	<0.050	0.050	11/15/2024	ND	2.03	102	2.00	3.64	
Total Xylenes*	<0.150	0.150	11/15/2024	ND	6.04	101	6.00	3.68	
Total BTEX	<0.300	0.300	11/15/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	104 9	% 71.5-13	4						
Chloride, SM4500Cl-B	mg/	'kg	Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	11/15/2024	ND	480	120	400	6.90	
TPH 8015M	mg/	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/14/2024	ND	204	102	200	0.271	
DRO >C10-C28*	<10.0	10.0	11/14/2024	ND	200	99.9	200	0.330	
EXT DRO >C28-C36	<10.0	10.0	11/14/2024	ND					
Surrogate: 1-Chlorooctane	123 9	48.2-13	4						
Surrogate: 1-Chlorooctadecane	125 9	% 49.1-14	8						

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Celez D. Keine

Celey D. Keene, Lab Director/Quality Manager



# Analytical Results For:

		PIMA ENVIROMENTAL SEBASTIAN OROZCO 1601 N TURNER STE. 500 HOBBS NM, 88240 Fax To:		
Received:	11/14/2024		Sampling Date:	11/11/2024
Reported:	11/20/2024		Sampling Type:	Soil
Project Name:	WEST PEARL QUEEN	N	Sampling Condition:	Cool & Intact
Project Number:	19-12		Sample Received By:	Shalyn Rodriguez
Project Location:	ARMSTRONG-EDDY	COUNTY		

## Sample ID: CS 19 - BOTTOM (H246939-19)

BTEX 8021B	mg/	'kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/15/2024	ND	1.94	97.1	2.00	4.80	
Toluene*	<0.050	0.050	11/15/2024	ND	2.02	101	2.00	4.01	
Ethylbenzene*	<0.050	0.050	11/15/2024	ND	2.03	102	2.00	3.64	
Total Xylenes*	<0.150	0.150	11/15/2024	ND	6.04	101	6.00	3.68	
Total BTEX	<0.300	0.300	11/15/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	103 9	% 71.5-13	4						
Chloride, SM4500Cl-B	mg/	'kg	Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	11/15/2024	ND	480	120	400	6.90	
TPH 8015M	mg/	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/14/2024	ND	204	102	200	0.271	
DRO >C10-C28*	<10.0	10.0	11/14/2024	ND	200	99.9	200	0.330	
EXT DRO >C28-C36	<10.0	10.0	11/14/2024	ND					
Surrogate: 1-Chlorooctane	119 9	48.2-13	4						
Surrogate: 1-Chlorooctadecane	119 9	% 49.1-14	8						

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Celey D. Keene, Lab Director/Quality Manager



# Analytical Results For:

		PIMA ENVIROMENTAL SEBASTIAN OROZCO 1601 N TURNER STE. 500 HOBBS NM, 88240 Fax To:		
Received:	11/14/2024		Sampling Date:	11/11/2024
Reported:	11/20/2024		Sampling Type:	Soil
Project Name:	WEST PEARL QUEE	N	Sampling Condition:	Cool & Intact
Project Number:	19-12		Sample Received By:	Shalyn Rodriguez
Project Location:	ARMSTRONG-EDDY	COUNTY		· -

## Sample ID: CS 20 - BOTTOM (H246939-20)

BTEX 8021B	mg/	′kg	Analyze	d By: JH							
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier		
Benzene*	<0.050	0.050	11/15/2024	ND	1.94	97.1	2.00	4.80			
Toluene*	<0.050	0.050	11/15/2024	ND	2.02	101	2.00	4.01			
Ethylbenzene*	<0.050	0.050	11/15/2024	ND	2.03	102	2.00	3.64			
Total Xylenes*	<0.150	0.150	11/15/2024	ND	6.04	101	6.00	3.68			
Total BTEX	<0.300	0.300	11/15/2024	ND							
Surrogate: 4-Bromofluorobenzene (PID	103 9	% 71.5-13	4								
Chloride, SM4500Cl-B	mg/	′kg	Analyzed By: AC								
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier		
Chloride	<16.0	16.0	11/15/2024	ND	480	120	400	6.90			
TPH 8015M	mg/	′kg	Analyze	d By: MS							
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier		
GRO C6-C10*	<10.0	10.0	11/14/2024	ND	204	102	200	0.271			
DRO >C10-C28*	<10.0	10.0	11/14/2024	ND	200	99.9	200	0.330			
EXT DRO >C28-C36	<10.0	10.0	11/14/2024	ND							
Surrogate: 1-Chlorooctane	120 9	% 48.2-13	4								
Surrogate: 1-Chlorooctadecane	117 9	% 49.1-14	8								

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# Analytical Results For:

	PIMA ENVIROMENTAL SEBASTIAN OROZCO 1601 N TURNER STE. 5 HOBBS NM, 88240 Fax To:	00	
Received: Reported:	11/14/2024 11/20/2024	Sampling Date: Sampling Type:	11/11/2024 Soil
Project Name: Project Number: Project Location:	WEST PEARL QUEEN 19-12 ARMSTRONG-EDDY COUNTY	Sampling Condition: Sample Received By:	Cool & Intact Shalyn Rodriguez

#### Sample ID: CS 21 - BOTTOM (H246939-21)

BTEX 8021B	mg/	'kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/15/2024	ND	1.94	97.1	2.00	4.80	
Toluene*	<0.050	0.050	11/15/2024	ND	2.02	101	2.00	4.01	
Ethylbenzene*	<0.050	0.050	11/15/2024	ND	2.03	102	2.00	3.64	
Total Xylenes*	<0.150	0.150	11/15/2024	ND	6.04	101	6.00	3.68	
Total BTEX	<0.300	0.300	11/15/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	105 9	% 71.5-13	4						
Chloride, SM4500Cl-B	mg/	'kg	Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	11/15/2024	ND	480	120	400	6.90	
TPH 8015M	mg/	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/14/2024	ND	204	102	200	0.271	
DRO >C10-C28*	<10.0	10.0	11/14/2024	ND	200	99.9	200	0.330	
EXT DRO >C28-C36	<10.0	10.0	11/14/2024	ND					
Surrogate: 1-Chlorooctane	122 9	48.2-13	4						
Surrogate: 1-Chlorooctadecane	120 9	% 49.1-14	8						

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Celey D. Keene, Lab Director/Quality Manager



# Analytical Results For:

	PIMA ENVIROMENTAL SEBASTIAN OROZCO 1601 N TURNER STE. 5 HOBBS NM, 88240 Fax To:	00	
Received: Reported:	11/14/2024 11/20/2024	Sampling Date: Sampling Type:	11/11/2024 Soil
Project Name: Project Number: Project Location:	WEST PEARL QUEEN 19-12 ARMSTRONG-EDDY COUNTY	Sampling Condition: Sample Received By:	Cool & Intact Shalyn Rodriguez

#### Sample ID: CS 22 - BOTTOM (H246939-22)

BTEX 8021B	mg/	'kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/15/2024	ND	1.94	97.1	2.00	4.80	
Toluene*	<0.050	0.050	11/15/2024	ND	2.02	101	2.00	4.01	
Ethylbenzene*	<0.050	0.050	11/15/2024	ND	2.03	102	2.00	3.64	
Total Xylenes*	<0.150	0.150	11/15/2024	ND	6.04	101	6.00	3.68	
Total BTEX	<0.300	0.300	11/15/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	105 9	% 71.5-13	4						
Chloride, SM4500Cl-B	mg/	'kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	11/15/2024	ND	480	120	400	6.90	
TPH 8015M	mg/	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/14/2024	ND	204	102	200	0.271	
DRO >C10-C28*	<10.0	10.0	11/14/2024	ND	200	99.9	200	0.330	
EXT DRO >C28-C36	<10.0	10.0	11/14/2024	ND					
Surrogate: 1-Chlorooctane	116 9	48.2-13	4						
Surrogate: 1-Chlorooctadecane	113 9	% 49.1-14	8						

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Celey D. Keene, Lab Director/Quality Manager



# Analytical Results For:

	PIMA ENVIROMENTAL SEBASTIAN OROZCO 1601 N TURNER STE. 5 HOBBS NM, 88240 Fax To:	00	
Received: Reported:	11/14/2024 11/20/2024	Sampling Date: Sampling Type:	11/11/2024 Soil
Project Name: Project Number: Project Location:	WEST PEARL QUEEN 19-12 ARMSTRONG-EDDY COUNTY	Sampling Condition: Sample Received By:	Cool & Intact Shalyn Rodriguez

## Sample ID: CS 23 - BOTTOM (H246939-23)

BTEX 8021B	mg/	'kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/15/2024	ND	1.94	97.1	2.00	4.80	
Toluene*	<0.050	0.050	11/15/2024	ND	2.02	101	2.00	4.01	
Ethylbenzene*	<0.050	0.050	11/15/2024	ND	2.03	102	2.00	3.64	
Total Xylenes*	<0.150	0.150	11/15/2024	ND	6.04	101	6.00	3.68	
Total BTEX	<0.300	0.300	11/15/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	104 9	% 71.5-13	4						
Chloride, SM4500Cl-B	mg/	'kg	Analyzed By: CT						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	16.0	16.0	11/15/2024	ND	448	112	400	0.00	
TPH 8015M	mg/	'kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/14/2024	ND	204	102	200	0.271	
DRO >C10-C28*	<10.0	10.0	11/14/2024	ND	200	99.9	200	0.330	
EXT DRO >C28-C36	<10.0	10.0	11/14/2024	ND					
Surrogate: 1-Chlorooctane	104 9	48.2-13	4						
Surrogate: 1-Chlorooctadecane	104 9	% 49.1-14	8						

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Celez D. Keine

Celey D. Keene, Lab Director/Quality Manager



# Analytical Results For:

		PIMA ENVIROMENTAL SEBASTIAN OROZCO 1601 N TURNER STE. 500 HOBBS NM, 88240 Fax To:		
Received:	11/14/2024		Sampling Date:	11/11/2024
Reported:	11/20/2024		Sampling Type:	Soil
Project Name:	WEST PEARL QUEE	N	Sampling Condition:	Cool & Intact
Project Number:	19-12		Sample Received By:	Shalyn Rodriguez
Project Location:	ARMSTRONG-EDDY	COUNTY		

#### Sample ID: CS 24 - BOTTOM (H246939-24)

BTEX 8021B	mg/	/kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/15/2024	ND	1.94	97.1	2.00	4.80	
Toluene*	<0.050	0.050	11/15/2024	ND	2.02	101	2.00	4.01	
Ethylbenzene*	<0.050	0.050	11/15/2024	ND	2.03	102	2.00	3.64	
Total Xylenes*	<0.150	0.150	11/15/2024	ND	6.04	101	6.00	3.68	
Total BTEX	<0.300	0.300	11/15/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	103 9	% 71.5-13	4						
Chloride, SM4500Cl-B	mg/	/kg	Analyze	d By: CT					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	16.0	16.0	11/15/2024	ND	448	112	400	0.00	
TPH 8015M	mg/	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/14/2024	ND	204	102	200	0.271	
DRO >C10-C28*	<10.0	10.0	11/14/2024	ND	200	99.9	200	0.330	
EXT DRO >C28-C36	<10.0	10.0	11/14/2024	ND					
Surrogate: 1-Chlorooctane	115 9	48.2-13	4						
Surrogate: 1-Chlorooctadecane	114 9	% 49.1-14	8						

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Celey D. Keene, Lab Director/Quality Manager



# Analytical Results For:

		PIMA ENVIROMENTAL SEBASTIAN OROZCO 1601 N TURNER STE. 500 HOBBS NM, 88240 Fax To:		
Received:	11/14/2024		Sampling Date:	11/11/2024
Reported:	11/20/2024		Sampling Type:	Soil
Project Name:	WEST PEARL QUEE	N	Sampling Condition:	Cool & Intact
Project Number:	19-12		Sample Received By:	Shalyn Rodriguez
Project Location:	ARMSTRONG-EDDY	COUNTY		

## Sample ID: CS 25 - BOTTOM (H246939-25)

BTEX 8021B	mg/	′kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/15/2024	ND	1.94	97.1	2.00	4.80	
Toluene*	<0.050	0.050	11/15/2024	ND	2.02	101	2.00	4.01	
Ethylbenzene*	<0.050	0.050	11/15/2024	ND	2.03	102	2.00	3.64	
Total Xylenes*	<0.150	0.150	11/15/2024	ND	6.04	101	6.00	3.68	
Total BTEX	<0.300	0.300	11/15/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	104 9	% 71.5-13	4						
Chloride, SM4500Cl-B	mg/	′kg	Analyze	d By: CT					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	11/15/2024	ND	448	112	400	0.00	
TPH 8015M	mg/	′kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/14/2024	ND	204	102	200	0.271	
DRO >C10-C28*	<10.0	10.0	11/14/2024	ND	200	99.9	200	0.330	
EXT DRO >C28-C36	<10.0	10.0	11/14/2024	ND					
Surrogate: 1-Chlorooctane	116 9	48.2-13	4						
Surrogate: 1-Chlorooctadecane	1169	% 49.1-14	8						

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Celey D. Keene, Lab Director/Quality Manager



# Analytical Results For:

		PIMA ENVIROMENTAL SEBASTIAN OROZCO 1601 N TURNER STE. 500 HOBBS NM, 88240 Fax To:		
Received:	11/14/2024		Sampling Date:	11/11/2024
Reported:	11/20/2024		Sampling Type:	Soil
Project Name:	WEST PEARL QUEE	N	Sampling Condition:	Cool & Intact
Project Number:	19-12		Sample Received By:	Shalyn Rodriguez
Project Location:	ARMSTRONG-EDDY	COUNTY		

## Sample ID: CS 26 - BOTTOM (H246939-26)

BTEX 8021B	mg/	′kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/15/2024	ND	1.94	97.1	2.00	4.80	
Toluene*	<0.050	0.050	11/15/2024	ND	2.02	101	2.00	4.01	
Ethylbenzene*	<0.050	0.050	11/15/2024	ND	2.03	102	2.00	3.64	
Total Xylenes*	<0.150	0.150	11/15/2024	ND	6.04	101	6.00	3.68	
Total BTEX	<0.300	0.300	11/15/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	102 9	% 71.5-13	4						
Chloride, SM4500Cl-B	mg/	′kg	Analyze	d By: CT					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	11/15/2024	ND	448	112	400	0.00	
TPH 8015M	mg/	′kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/14/2024	ND	204	102	200	0.271	
DRO >C10-C28*	<10.0	10.0	11/14/2024	ND	200	99.9	200	0.330	
EXT DRO >C28-C36	<10.0	10.0	11/14/2024	ND					
Surrogate: 1-Chlorooctane	116 9	48.2-13	4						
Surrogate: 1-Chlorooctadecane	115 9	% 49.1-14	8						

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Celez D. Keine

Celey D. Keene, Lab Director/Quality Manager



# Analytical Results For:

	PIMA ENVIROMENTAL SEBASTIAN OROZCO 1601 N TURNER STE. 5 HOBBS NM, 88240 Fax To:	00	
Received: Reported:	11/14/2024 11/20/2024	Sampling Date: Sampling Type:	11/11/2024 Soil
Project Name: Project Number: Project Location:	WEST PEARL QUEEN 19-12 ARMSTRONG-EDDY COUNTY	Sampling Condition: Sample Received By:	Cool & Intact Shalyn Rodriguez

#### Sample ID: CS 27 - BOTTOM (H246939-27)

BTEX 8021B	mg/	′kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/15/2024	ND	1.94	97.1	2.00	4.80	
Toluene*	<0.050	0.050	11/15/2024	ND	2.02	101	2.00	4.01	
Ethylbenzene*	<0.050	0.050	11/15/2024	ND	2.03	102	2.00	3.64	
Total Xylenes*	<0.150	0.150	11/15/2024	ND	6.04	101	6.00	3.68	
Total BTEX	<0.300	0.300	11/15/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	104 9	% 71.5-13	4						
Chloride, SM4500Cl-B	mg/	′kg	Analyze	d By: CT					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	11/15/2024	ND	448	112	400	0.00	
TPH 8015M	mg/	′kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/14/2024	ND	204	102	200	0.271	
DRO >C10-C28*	<10.0	10.0	11/14/2024	ND	200	99.9	200	0.330	
EXT DRO >C28-C36	<10.0	10.0	11/14/2024	ND					
Surrogate: 1-Chlorooctane	114 9	48.2-13	4						
Surrogate: 1-Chlorooctadecane	115 9	49.1-14	8						

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#### \*=Accredited Analyte

Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



# Analytical Results For:

		PIMA ENVIROMENTAL SEBASTIAN OROZCO 1601 N TURNER STE. 500 HOBBS NM, 88240 Fax To:		
Received:	11/14/2024		Sampling Date:	11/11/2024
Reported:	11/20/2024		Sampling Type:	Soil
Project Name:	WEST PEARL QUEE	N	Sampling Condition:	Cool & Intact
Project Number:	19-12		Sample Received By:	Shalyn Rodriguez
Project Location:	ARMSTRONG-EDDY	COUNTY		

## Sample ID: CS 28 - BOTTOM (H246939-28)

BTEX 8021B	mg/	'kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/15/2024	ND	1.94	97.1	2.00	4.80	
Toluene*	<0.050	0.050	11/15/2024	ND	2.02	101	2.00	4.01	
Ethylbenzene*	<0.050	0.050	11/15/2024	ND	2.03	102	2.00	3.64	
Total Xylenes*	<0.150	0.150	11/15/2024	ND	6.04	101	6.00	3.68	
Total BTEX	<0.300	0.300	11/15/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	104 9	% 71.5-13	4						
Chloride, SM4500Cl-B	mg/	'kg	Analyzed By: CT						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	16.0	16.0	11/15/2024	ND	448	112	400	0.00	
TPH 8015M	mg/	'kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/14/2024	ND	204	102	200	0.271	
DRO >C10-C28*	<10.0	10.0	11/14/2024	ND	200	99.9	200	0.330	
EXT DRO >C28-C36	<10.0	10.0	11/14/2024	ND					
Surrogate: 1-Chlorooctane	120 9	48.2-13	4						
Surrogate: 1-Chlorooctadecane	117 9	6 49.1-14	8						

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Celez D. Keine

Celey D. Keene, Lab Director/Quality Manager



# Analytical Results For:

		PIMA ENVIROMENTAL SEBASTIAN OROZCO 1601 N TURNER STE. 500 HOBBS NM, 88240 Fax To:		
Received:	11/14/2024		Sampling Date:	11/11/2024
Reported:	11/20/2024		Sampling Type:	Soil
Project Name:	WEST PEARL QUEE	N	Sampling Condition:	Cool & Intact
Project Number:	19-12		Sample Received By:	Shalyn Rodriguez
Project Location:	ARMSTRONG-EDDY	COUNTY		

## Sample ID: CS 29 - BOTTOM (H246939-29)

BTEX 8021B	mg/	'kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/16/2024	ND	2.10	105	2.00	7.53	
Toluene*	<0.050	0.050	11/16/2024	ND	2.17	108	2.00	6.77	
Ethylbenzene*	<0.050	0.050	11/16/2024	ND	2.16	108	2.00	6.58	
Total Xylenes*	<0.150	0.150	11/16/2024	ND	6.42	107	6.00	6.51	
Total BTEX	<0.300	0.300	11/16/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	105 9	71.5-13	4						
Chloride, SM4500Cl-B	mg/	'kg	Analyzed By: CT						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	11/15/2024	ND	448	112	400	0.00	
TPH 8015M	mg/	'kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/14/2024	ND	204	102	200	0.271	
DRO >C10-C28*	<10.0	10.0	11/14/2024	ND	200	99.9	200	0.330	
EXT DRO >C28-C36	<10.0	10.0	11/14/2024	ND					
Surrogate: 1-Chlorooctane	116 9	48.2-13	4						
Surrogate: 1-Chlorooctadecane	112 9	49.1-14	8						

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Celey D. Keene, Lab Director/Quality Manager



# Analytical Results For:

		PIMA ENVIROMENTAL SEBASTIAN OROZCO 1601 N TURNER STE. 500 HOBBS NM, 88240 Fax To:			
Received:	11/14/2024		Sampling Date:	1	1/11/2024
Reported:	11/20/2024		Sampling Type:	S	oil
Project Name:	WEST PEARL QUEEN		Sampling Condition:	C	ool & Intact
Project Number:	19-12		Sample Received By:	S	nalyn Rodriguez
Project Location:	ARMSTRONG-EDDY (	COUNTY			

#### Sample ID: CS 30 - BOTTOM (H246939-30)

BTEX 8021B	mg/	'kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/16/2024	ND	2.10	105	2.00	7.53	
Toluene*	<0.050	0.050	11/16/2024	ND	2.17	108	2.00	6.77	
Ethylbenzene*	<0.050	0.050	11/16/2024	ND	2.16	108	2.00	6.58	
Total Xylenes*	<0.150	0.150	11/16/2024	ND	6.42	107	6.00	6.51	
Total BTEX	<0.300	0.300	11/16/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	103 9	71.5-13	4						
Chloride, SM4500Cl-B	mg/	'kg	Analyzed By: CT						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	11/15/2024	ND	448	112	400	0.00	
TPH 8015M	mg/	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/14/2024	ND	204	102	200	0.271	
DRO >C10-C28*	<10.0	10.0	11/14/2024	ND	200	99.9	200	0.330	
EXT DRO >C28-C36	<10.0	10.0	11/14/2024	ND					
Surrogate: 1-Chlorooctane	118 9	48.2-13	4						
Surrogate: 1-Chlorooctadecane	116 9	49.1-14	8						

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Celey D. Keene, Lab Director/Quality Manager



# Analytical Results For:

	PIMA ENVIROMENTAL SEBASTIAN OROZCO 1601 N TURNER STE. 5 HOBBS NM, 88240 Fax To:	00	
Received: Reported:	11/14/2024 11/20/2024	Sampling Date: Sampling Type:	11/11/2024 Soil
Project Name: Project Number: Project Location:	WEST PEARL QUEEN 19-12 ARMSTRONG-EDDY COUNTY	Sampling Condition: Sample Received By:	Cool & Intact Shalyn Rodriguez

#### Sample ID: CS 31 - BOTTOM (H246939-31)

BTEX 8021B	mg/	'kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/16/2024	ND	2.10	105	2.00	7.53	
Toluene*	<0.050	0.050	11/16/2024	ND	2.17	108	2.00	6.77	
Ethylbenzene*	<0.050	0.050	11/16/2024	ND	2.16	108	2.00	6.58	
Total Xylenes*	<0.150	0.150	11/16/2024	ND	6.42	107	6.00	6.51	
Total BTEX	<0.300	0.300	11/16/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	105 9	% 71.5-13	4						
Chloride, SM4500Cl-B	mg/	'kg	Analyzed By: CT						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	16.0	16.0	11/15/2024	ND	448	112	400	0.00	
TPH 8015M	mg/	'kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/14/2024	ND	204	102	200	0.271	
DRO >C10-C28*	<10.0	10.0	11/14/2024	ND	200	99.9	200	0.330	
EXT DRO >C28-C36	<10.0	10.0	11/14/2024	ND					
Surrogate: 1-Chlorooctane	115 9	48.2-13	4						
Surrogate: 1-Chlorooctadecane	112 9	49.1-14	8						

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# Analytical Results For:

		PIMA ENVIROMENTAL SEBASTIAN OROZCO 1601 N TURNER STE. 500 HOBBS NM, 88240 Fax To:		
Received:	11/14/2024		Sampling Date:	11/11/2024
Reported:	11/20/2024		Sampling Type:	Soil
Project Name:	WEST PEARL QUEE	N	Sampling Condition:	Cool & Intact
Project Number:	19-12		Sample Received By:	Shalyn Rodriguez
Project Location:	ARMSTRONG-EDDY	COUNTY		

## Sample ID: CS 32 - BOTTOM (H246939-32)

BTEX 8021B	mg/	'kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/16/2024	ND	2.10	105	2.00	7.53	
Toluene*	<0.050	0.050	11/16/2024	ND	2.17	108	2.00	6.77	
Ethylbenzene*	<0.050	0.050	11/16/2024	ND	2.16	108	2.00	6.58	
Total Xylenes*	<0.150	0.150	11/16/2024	ND	6.42	107	6.00	6.51	
Total BTEX	<0.300	0.300	11/16/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	104 9	% 71.5-13	4						
Chloride, SM4500Cl-B	mg/	'kg	Analyzed By: CT						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	11/15/2024	ND	448	112	400	0.00	
TPH 8015M	mg/	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/15/2024	ND	204	102	200	0.271	
DRO >C10-C28*	<10.0	10.0	11/15/2024	ND	200	99.9	200	0.330	
EXT DRO >C28-C36	<10.0	10.0	11/15/2024	ND					
Surrogate: 1-Chlorooctane	117 9	48.2-13	4						
Surrogate: 1-Chlorooctadecane	116 9	% 49.1-14	8						

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Celey D. Keene, Lab Director/Quality Manager



# Analytical Results For:

		PIMA ENVIROMENTAL SEBASTIAN OROZCO 1601 N TURNER STE. 500 HOBBS NM, 88240 Fax To:		
Received:	11/14/2024		Sampling Date:	11/11/2024
Reported:	11/20/2024		Sampling Type:	Soil
Project Name:	WEST PEARL QUEE	N	Sampling Condition:	Cool & Intact
Project Number:	19-12		Sample Received By:	Shalyn Rodriguez
Project Location:	ARMSTRONG-EDDY	COUNTY		

## Sample ID: CS 33 - BOTTOM (H246939-33)

BTEX 8021B	mg/	'kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/16/2024	ND	2.10	105	2.00	7.53	
Toluene*	<0.050	0.050	11/16/2024	ND	2.17	108	2.00	6.77	
Ethylbenzene*	<0.050	0.050	11/16/2024	ND	2.16	108	2.00	6.58	
Total Xylenes*	<0.150	0.150	11/16/2024	ND	6.42	107	6.00	6.51	
Total BTEX	<0.300	0.300	11/16/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	104 9	71.5-13	4						
Chloride, SM4500Cl-B	mg/	'kg	Analyzed By: CT						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	11/15/2024	ND	448	112	400	0.00	
TPH 8015M	mg/	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/14/2024	ND	214	107	200	1.11	
DRO >C10-C28*	<10.0	10.0	11/14/2024	ND	201	100	200	0.931	
EXT DRO >C28-C36	<10.0	10.0	11/14/2024	ND					
Surrogate: 1-Chlorooctane	98.8	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	89.8	% 49.1-14	8						

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# Analytical Results For:

		PIMA ENVIROMENTAL SEBASTIAN OROZCO 1601 N TURNER STE. 500 HOBBS NM, 88240 Fax To:		
Received:	11/14/2024		Sampling Date:	11/11/2024
Reported:	11/20/2024		Sampling Type:	Soil
Project Name:	WEST PEARL QUEE	N	Sampling Condition:	Cool & Intact
Project Number:	19-12		Sample Received By:	Shalyn Rodriguez
Project Location:	ARMSTRONG-EDDY	COUNTY		

## Sample ID: CS 34 - BOTTOM (H246939-34)

BTEX 8021B	mg/	'kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/16/2024	ND	2.10	105	2.00	7.53	
Toluene*	<0.050	0.050	11/16/2024	ND	2.17	108	2.00	6.77	
Ethylbenzene*	<0.050	0.050	11/16/2024	ND	2.16	108	2.00	6.58	
Total Xylenes*	<0.150	0.150	11/16/2024	ND	6.42	107	6.00	6.51	
Total BTEX	<0.300	0.300	11/16/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	104 9	% 71.5-13	4						
Chloride, SM4500Cl-B	mg/	kg	Analyzed By: CT						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	16.0	16.0	11/15/2024	ND	448	112	400	0.00	
TPH 8015M	mg/	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/14/2024	ND	214	107	200	1.11	
DRO >C10-C28*	<10.0	10.0	11/14/2024	ND	201	100	200	0.931	
EXT DRO >C28-C36	<10.0	10.0	11/14/2024	ND					
Surrogate: 1-Chlorooctane	103 9	48.2-13	4						
Surrogate: 1-Chlorooctadecane	91.8	% 49.1-14	8						

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Celey D. Keene, Lab Director/Quality Manager



# Analytical Results For:

		PIMA ENVIROMENTAL SEBASTIAN OROZCO 1601 N TURNER STE. 500 HOBBS NM, 88240 Fax To:		
Received:	11/14/2024		Sampling Date:	11/11/2024
Reported:	11/20/2024		Sampling Type:	Soil
Project Name:	WEST PEARL QUEE	N	Sampling Condition:	Cool & Intact
Project Number:	19-12		Sample Received By:	Shalyn Rodriguez
Project Location:	ARMSTRONG-EDDY	COUNTY		· -

## Sample ID: CS 35 - BOTTOM (H246939-35)

BTEX 8021B	mg/	'kg	Analyze	d By: JH	н					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	11/16/2024	ND	2.10	105	2.00	7.53		
Toluene*	<0.050	0.050	11/16/2024	ND	2.17	108	2.00	6.77		
Ethylbenzene*	<0.050	0.050	11/16/2024	ND	2.16	108	2.00	6.58		
Total Xylenes*	<0.150	0.150	11/16/2024	ND	6.42	107	6.00	6.51		
Total BTEX	<0.300	0.300	11/16/2024	ND						
Surrogate: 4-Bromofluorobenzene (PID	105 9	% 71.5-13	4							
Chloride, SM4500Cl-B	mg/	'kg	Analyzed By: CT							
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	11/15/2024	ND	448	112	400	0.00		
TPH 8015M	mg/	kg	Analyze	d By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	<10.0	10.0	11/14/2024	ND	214	107	200	1.11		
DRO >C10-C28*	<10.0	10.0	11/14/2024	ND	201	100	200	0.931		
EXT DRO >C28-C36	<10.0	10.0	11/14/2024	ND						
Surrogate: 1-Chlorooctane	103 9	48.2-13	4							
Surrogate: 1-Chlorooctadecane	93.0	% 49.1-14	8							

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Celey D. Keene, Lab Director/Quality Manager



# Analytical Results For:

		PIMA ENVIROMENTAL SEBASTIAN OROZCO 1601 N TURNER STE. 500 HOBBS NM, 88240 Fax To:		
Received:	11/14/2024		Sampling Date:	11/11/2024
Reported:	11/20/2024		Sampling Type:	Soil
Project Name:	WEST PEARL QUEE	N	Sampling Condition:	Cool & Intact
Project Number:	19-12		Sample Received By:	Shalyn Rodriguez
Project Location:	ARMSTRONG-EDDY	COUNTY		· -

## Sample ID: CS 36 - BOTTOM (H246939-36)

BTEX 8021B	mg/	/kg	Analyze	d By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	11/16/2024	ND	2.10	105	2.00	7.53		
Toluene*	<0.050	0.050	11/16/2024	ND	2.17	108	2.00	6.77		
Ethylbenzene*	<0.050	0.050	11/16/2024	ND	2.16	108	2.00	6.58		
Total Xylenes*	<0.150	0.150	11/16/2024	ND	6.42	107	6.00	6.51		
Total BTEX	<0.300	0.300	11/16/2024	ND						
Surrogate: 4-Bromofluorobenzene (PID	105	% 71.5-13	4							
Chloride, SM4500Cl-B	mg,	/kg	Analyzed By: CT							
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	11/15/2024	ND	448	112	400	0.00		
TPH 8015M	mg,	/kg	Analyze	d By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	<10.0	10.0	11/14/2024	ND	214	107	200	1.11		
DRO >C10-C28*	<10.0	10.0	11/14/2024	ND	201	100	200	0.931		
EXT DRO >C28-C36	<10.0	10.0	11/14/2024	ND						
Surrogate: 1-Chlorooctane	88.4	% 48.2-13	4							
Surrogate: 1-Chlorooctadecane	78.1	% 49.1-14	8							

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Celey D. Keene, Lab Director/Quality Manager



# Analytical Results For:

	PIMA ENVIROMENTAL SEBASTIAN OROZCO 1601 N TURNER STE. 5 HOBBS NM, 88240 Fax To:	00	
Received: Reported:	11/14/2024 11/20/2024	Sampling Date: Sampling Type:	11/11/2024 Soil
Project Name: Project Number: Project Location:	WEST PEARL QUEEN 19-12 ARMSTRONG-EDDY COUNTY	Sampling Condition: Sample Received By:	Cool & Intact Shalyn Rodriguez

#### Sample ID: CS 37 - BOTTOM (H246939-37)

BTEX 8021B	mg/	/kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/16/2024	ND	2.10	105	2.00	7.53	
Toluene*	<0.050	0.050	11/16/2024	ND	2.17	108	2.00	6.77	
Ethylbenzene*	<0.050	0.050	11/16/2024	ND	2.16	108	2.00	6.58	
Total Xylenes*	<0.150	0.150	11/16/2024	ND	6.42	107	6.00	6.51	
Total BTEX	<0.300	0.300	11/16/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	105 9	% 71.5-13	4						
Chloride, SM4500Cl-B	mg/	/kg	Analyzed By: CT						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	11/15/2024	ND	448	112	400	0.00	
TPH 8015M	mg/	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/14/2024	ND	214	107	200	1.11	
DRO >C10-C28*	<10.0	10.0	11/14/2024	ND	201	100	200	0.931	
EXT DRO >C28-C36	<10.0	10.0	11/14/2024	ND					
Surrogate: 1-Chlorooctane	99.4	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	89.9	% 49.1-14	8						

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\*=Accredited Analyte

Celez D. Keine

Celey D. Keene, Lab Director/Quality Manager



# Analytical Results For:

		PIMA ENVIROMENTAL SEBASTIAN OROZCO 1601 N TURNER STE. 500 HOBBS NM, 88240 Fax To:		
Received:	11/14/2024		Sampling Date:	11/11/2024
Reported:	11/20/2024		Sampling Type:	Soil
Project Name:	WEST PEARL QUEE	N	Sampling Condition:	Cool & Intact
Project Number:	19-12		Sample Received By:	Shalyn Rodriguez
Project Location:	ARMSTRONG-EDDY	COUNTY		· -

## Sample ID: CS 38 - BOTTOM (H246939-38)

BTEX 8021B	mg/	/kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/16/2024	ND	2.10	105	2.00	7.53	
Toluene*	<0.050	0.050	11/16/2024	ND	2.17	108	2.00	6.77	
Ethylbenzene*	<0.050	0.050	11/16/2024	ND	2.16	108	2.00	6.58	
Total Xylenes*	<0.150	0.150	11/16/2024	ND	6.42	107	6.00	6.51	
Total BTEX	<0.300	0.300	11/16/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	104 9	% 71.5-13	4						
Chloride, SM4500Cl-B	mg/	/kg	Analyzed By: CT						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	16.0	16.0	11/15/2024	ND	448	112	400	0.00	
TPH 8015M	mg/	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/14/2024	ND	214	107	200	1.11	
DRO >C10-C28*	<10.0	10.0	11/14/2024	ND	201	100	200	0.931	
EXT DRO >C28-C36	<10.0	10.0	11/14/2024	ND					
Surrogate: 1-Chlorooctane	98.8	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	89.0	% 49.1-14	8						

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Celez D. Keine

Celey D. Keene, Lab Director/Quality Manager



# Analytical Results For:

		PIMA ENVIROMENTAL SEBASTIAN OROZCO 1601 N TURNER STE. 500 HOBBS NM, 88240 Fax To:		
Received:	11/14/2024		Sampling Date:	11/11/2024
Reported:	11/20/2024		Sampling Type:	Soil
Project Name:	WEST PEARL QUEE	N	Sampling Condition:	Cool & Intact
Project Number:	19-12		Sample Received By:	Shalyn Rodriguez
Project Location:	ARMSTRONG-EDDY	COUNTY		· -

## Sample ID: CS 39 - BOTTOM (H246939-39)

BTEX 8021B	mg/	'kg	Analyze	d By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	11/16/2024	ND	2.10	105	2.00	7.53		
Toluene*	<0.050	0.050	11/16/2024	ND	2.17	108	2.00	6.77		
Ethylbenzene*	<0.050	0.050	11/16/2024	ND	2.16	108	2.00	6.58		
Total Xylenes*	<0.150	0.150	11/16/2024	ND	6.42	107	6.00	6.51		
Total BTEX	<0.300	0.300	11/16/2024	ND						
Surrogate: 4-Bromofluorobenzene (PID	105 9	% 71.5-13	4							
Chloride, SM4500Cl-B	mg/	'kg	Analyzed By: CT							
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	16.0	16.0	11/15/2024	ND	448	112	400	0.00		
TPH 8015M	mg/	kg	Analyze	d By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	<10.0	10.0	11/14/2024	ND	214	107	200	1.11		
DRO >C10-C28*	<10.0	10.0	11/14/2024	ND	201	100	200	0.931		
EXT DRO >C28-C36	<10.0	10.0	11/14/2024	ND						
Surrogate: 1-Chlorooctane	86.9	% 48.2-13	4							
Surrogate: 1-Chlorooctadecane	78.5	% 49.1-14	8							

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Celey D. Keene, Lab Director/Quality Manager



# Analytical Results For:

		PIMA ENVIROMENTAL SEBASTIAN OROZCO 1601 N TURNER STE. 500 HOBBS NM, 88240 Fax To:		
Received:	11/14/2024		Sampling Date:	11/11/2024
Reported:	11/20/2024		Sampling Type:	Soil
Project Name:	WEST PEARL QUEEN	N	Sampling Condition:	Cool & Intact
Project Number:	19-12		Sample Received By:	Shalyn Rodriguez
Project Location:	ARMSTRONG-EDDY	COUNTY		

## Sample ID: CS 40 - BOTTOM (H246939-40)

BTEX 8021B	mg/kg		Analyze	Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/16/2024	ND	2.10	105	2.00	7.53	
Toluene*	<0.050	0.050	11/16/2024	ND	2.17	108	2.00	6.77	
Ethylbenzene*	<0.050	0.050	11/16/2024	ND	2.16	108	2.00	6.58	
Total Xylenes*	<0.150	0.150	11/16/2024	ND	6.42	107	6.00	6.51	
Total BTEX	<0.300	0.300	11/16/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	104 9	% 71.5-13	4						
Chloride, SM4500Cl-B	mg/	'kg	Analyzed By: CT						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	16.0	16.0	11/15/2024	ND	448	112	400	0.00	
TPH 8015M	mg/	'kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/14/2024	ND	214	107	200	1.11	
DRO >C10-C28*	<10.0	10.0	11/14/2024	ND	201	100	200	0.931	
EXT DRO >C28-C36	<10.0	10.0	11/14/2024	ND					
Surrogate: 1-Chlorooctane	102 9	48.2-13	4						
Surrogate: 1-Chlorooctadecane	91.6	% 49.1-14	8						

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Celey D. Keene, Lab Director/Quality Manager



# Analytical Results For:

		PIMA ENVIROMENTAL SEBASTIAN OROZCO 1601 N TURNER STE. 500 HOBBS NM, 88240 Fax To:		
Received: Reported:	11/14/2024 11/20/2024		Sampling Date: Sampling Type:	11/11/2024 Soil
Project Name:	WEST PEARL QUEEN		Sampling Condition:	Cool & Intact
Project Number: Project Location:	19-12 Armstrong-eddy c	COUNTY	Sample Received By:	Shalyn Rodriguez

## Sample ID: CS 41 - BOTTOM (H246939-41)

BTEX 8021B	mg/kg		Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/16/2024	ND	2.10	105	2.00	7.53	
Toluene*	<0.050	0.050	11/16/2024	ND	2.17	108	2.00	6.77	
Ethylbenzene*	<0.050	0.050	11/16/2024	ND	2.16	108	2.00	6.58	
Total Xylenes*	<0.150	0.150	11/16/2024	ND	6.42	107	6.00	6.51	
Total BTEX	<0.300	0.300	11/16/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	104 9	% 71.5-13	4						
Chloride, SM4500Cl-B	mg/	/kg	Analyzed By: CT						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	16.0	16.0	11/15/2024	ND	448	112	400	0.00	
TPH 8015M	mg/	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/14/2024	ND	214	107	200	1.11	
DRO >C10-C28*	<10.0	10.0	11/14/2024	ND	201	100	200	0.931	
EXT DRO >C28-C36	<10.0	10.0	11/14/2024	ND					
Surrogate: 1-Chlorooctane	99.4	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	89.4	% 49.1-14	8						

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Celey D. Keene, Lab Director/Quality Manager



# Analytical Results For:

		PIMA ENVIROMENTAL SEBASTIAN OROZCO 1601 N TURNER STE. 500 HOBBS NM, 88240 Fax To:		
Received: Reported:	11/14/2024 11/20/2024		Sampling Date: Sampling Type:	11/11/2024 Soil
Project Name:	WEST PEARL QUEEN		Sampling Condition:	Cool & Intact
Project Number: Project Location:	19-12 Armstrong-eddy c	COUNTY	Sample Received By:	Shalyn Rodriguez

#### Sample ID: CS 42 - BOTTOM (H246939-42)

BTEX 8021B	mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/16/2024	ND	2.10	105	2.00	7.53	
Toluene*	<0.050	0.050	11/16/2024	ND	2.17	108	2.00	6.77	
Ethylbenzene*	<0.050	0.050	11/16/2024	ND	2.16	108	2.00	6.58	
Total Xylenes*	<0.150	0.150	11/16/2024	ND	6.42	107	6.00	6.51	
Total BTEX	<0.300	0.300	11/16/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	105 9	% 71.5-13	4						
Chloride, SM4500Cl-B	mg/	kg	Analyzed By: CT						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	16.0	16.0	11/15/2024	ND	448	112	400	0.00	
TPH 8015M	mg/	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/14/2024	ND	214	107	200	1.11	
DRO >C10-C28*	<10.0	10.0	11/14/2024	ND	201	100	200	0.931	
EXT DRO >C28-C36	<10.0	10.0	11/14/2024	ND					
Surrogate: 1-Chlorooctane	101 9	48.2-13	4						
Surrogate: 1-Chlorooctadecane	91.9	% 49.1-14	8						

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# Analytical Results For:

	PIMA ENVIROMENTAL SEBASTIAN OROZCO 1601 N TURNER STE. 5 HOBBS NM, 88240 Fax To:	00	
Received: Reported:	11/14/2024 11/20/2024	Sampling Date: Sampling Type:	11/11/2024 Soil
Project Name: Project Number: Project Location:	WEST PEARL QUEEN 19-12 ARMSTRONG-EDDY COUNTY	Sampling Condition: Sample Received By:	Cool & Intact Shalyn Rodriguez

## Sample ID: CS 43 - BOTTOM (H246939-43)

BTEX 8021B	mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/16/2024	ND	2.10	105	2.00	7.53	
Toluene*	<0.050	0.050	11/16/2024	ND	2.17	108	2.00	6.77	
Ethylbenzene*	<0.050	0.050	11/16/2024	ND	2.16	108	2.00	6.58	
Total Xylenes*	<0.150	0.150	11/16/2024	ND	6.42	107	6.00	6.51	
Total BTEX	<0.300	0.300	11/16/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	104 9	% 71.5-13	4						
Chloride, SM4500Cl-B	mg/	/kg	Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	11/15/2024	ND	400	100	400	3.92	
TPH 8015M	mg/	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/14/2024	ND	214	107	200	1.11	
DRO >C10-C28*	<10.0	10.0	11/14/2024	ND	201	100	200	0.931	
EXT DRO >C28-C36	<10.0	10.0	11/14/2024	ND					
Surrogate: 1-Chlorooctane	93.9	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	85.0	% 49.1-14	8						

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Celey D. Keene, Lab Director/Quality Manager



# Analytical Results For:

	PIMA ENVIROMENTAL SEBASTIAN OROZCO 1601 N TURNER STE. 5 HOBBS NM, 88240 Fax To:	00	
Received: Reported:	11/14/2024 11/20/2024	Sampling Date: Sampling Type:	11/11/2024 Soil
Project Name: Project Number: Project Location:	WEST PEARL QUEEN 19-12 ARMSTRONG-EDDY COUNTY	Sampling Condition: Sample Received By:	Cool & Intact Shalyn Rodriguez

#### Sample ID: CS 44 - BOTTOM (H246939-44)

BTEX 8021B	mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/16/2024	ND	2.10	105	2.00	7.53	
Toluene*	<0.050	0.050	11/16/2024	ND	2.17	108	2.00	6.77	
Ethylbenzene*	<0.050	0.050	11/16/2024	ND	2.16	108	2.00	6.58	
Total Xylenes*	<0.150	0.150	11/16/2024	ND	6.42	107	6.00	6.51	
Total BTEX	<0.300	0.300	11/16/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	103 9	% 71.5-13	4						
Chloride, SM4500Cl-B	mg/	/kg	Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	11/15/2024	ND	400	100	400	3.92	
TPH 8015M	mg/	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/14/2024	ND	214	107	200	1.11	
DRO >C10-C28*	<10.0	10.0	11/14/2024	ND	201	100	200	0.931	
EXT DRO >C28-C36	<10.0	10.0	11/14/2024	ND					
Surrogate: 1-Chlorooctane	107 9	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	97.4	% 49.1-14	8						

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Celey D. Keene, Lab Director/Quality Manager



# Analytical Results For:

		PIMA ENVIROMENTAL SEBASTIAN OROZCO 1601 N TURNER STE. 500 HOBBS NM, 88240 Fax To:		
Received:	11/14/2024		Sampling Date:	11/11/2024
Reported:	11/20/2024		Sampling Type:	Soil
Project Name:	WEST PEARL QUEE	N	Sampling Condition:	Cool & Intact
Project Number:	19-12		Sample Received By:	Shalyn Rodriguez
Project Location:	ARMSTRONG-EDDY	COUNTY		

## Sample ID: CS 45 - BOTTOM (H246939-45)

BTEX 8021B	mg/kg		Analyze	Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/16/2024	ND	2.10	105	2.00	7.53	
Toluene*	<0.050	0.050	11/16/2024	ND	2.17	108	2.00	6.77	
Ethylbenzene*	<0.050	0.050	11/16/2024	ND	2.16	108	2.00	6.58	
Total Xylenes*	<0.150	0.150	11/16/2024	ND	6.42	107	6.00	6.51	
Total BTEX	<0.300	0.300	11/16/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	104 9	% 71.5-13	4						
Chloride, SM4500Cl-B	mg/	/kg	Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	11/15/2024	ND	400	100	400	3.92	
TPH 8015M	mg/	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/14/2024	ND	214	107	200	1.11	
DRO >C10-C28*	<10.0	10.0	11/14/2024	ND	201	100	200	0.931	
EXT DRO >C28-C36	<10.0	10.0	11/14/2024	ND					
Surrogate: 1-Chlorooctane	102 9	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	94.2	% 49.1-14	8						

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Celey D. Keene, Lab Director/Quality Manager



# Analytical Results For:

		PIMA ENVIROMENTAL SEBASTIAN OROZCO 1601 N TURNER STE. 500 HOBBS NM, 88240 Fax To:		
Received:	11/14/2024		Sampling Date:	11/11/2024
Reported:	11/20/2024		Sampling Type:	Soil
Project Name:	WEST PEARL QUEE	N	Sampling Condition:	Cool & Intact
Project Number:	19-12		Sample Received By:	Shalyn Rodriguez
Project Location:	ARMSTRONG-EDDY	COUNTY		

## Sample ID: CS 46 - BOTTOM (H246939-46)

BTEX 8021B	mg/kg		Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/16/2024	ND	2.10	105	2.00	7.53	
Toluene*	<0.050	0.050	11/16/2024	ND	2.17	108	2.00	6.77	
Ethylbenzene*	<0.050	0.050	11/16/2024	ND	2.16	108	2.00	6.58	
Total Xylenes*	<0.150	0.150	11/16/2024	ND	6.42	107	6.00	6.51	
Total BTEX	<0.300	0.300	11/16/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	104 9	% 71.5-13	4						
Chloride, SM4500Cl-B	mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	11/15/2024	ND	400	100	400	3.92	
TPH 8015M	mg/	′kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/14/2024	ND	214	107	200	1.11	
DRO >C10-C28*	<10.0	10.0	11/14/2024	ND	201	100	200	0.931	
EXT DRO >C28-C36	<10.0	10.0	11/14/2024	ND					
Surrogate: 1-Chlorooctane	108 9	48.2-13	4						
Surrogate: 1-Chlorooctadecane	96.9	% 49.1-14	8						

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Celey D. Keene, Lab Director/Quality Manager



# Analytical Results For:

		PIMA ENVIROMENTAL SEBASTIAN OROZCO 1601 N TURNER STE. 500 HOBBS NM, 88240 Fax To:		
Received: Reported:	11/14/2024 11/20/2024		Sampling Date: Sampling Type:	11/11/2024 Soil
Project Name:	WEST PEARL QUEEN		Sampling Condition:	Cool & Intact
Project Number: Project Location:	19-12 Armstrong-eddy c	COUNTY	Sample Received By:	Shalyn Rodriguez

## Sample ID: CS 47 - BOTTOM (H246939-47)

BTEX 8021B	mg/kg		Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/16/2024	ND	2.10	105	2.00	7.53	
Toluene*	<0.050	0.050	11/16/2024	ND	2.17	108	2.00	6.77	
Ethylbenzene*	<0.050	0.050	11/16/2024	ND	2.16	108	2.00	6.58	
Total Xylenes*	<0.150	0.150	11/16/2024	ND	6.42	107	6.00	6.51	
Total BTEX	<0.300	0.300	11/16/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	103 9	% 71.5-13	4						
Chloride, SM4500Cl-B	mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	11/15/2024	ND	400	100	400	3.92	
TPH 8015M	mg/	′kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/14/2024	ND	214	107	200	1.11	
DRO >C10-C28*	<10.0	10.0	11/14/2024	ND	201	100	200	0.931	
EXT DRO >C28-C36	<10.0	10.0	11/14/2024	ND					
Surrogate: 1-Chlorooctane	101 9	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	90.5	% 49.1-14	8						

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Celez D. Keine

Celey D. Keene, Lab Director/Quality Manager



# Analytical Results For:

	PIMA ENVIROMENTAL SEBASTIAN OROZCO 1601 N TURNER STE. 5 HOBBS NM, 88240 Fax To:	00	
Received: Reported:	11/14/2024 11/20/2024	Sampling Date: Sampling Type:	11/11/2024 Soil
Project Name: Project Number: Project Location:	WEST PEARL QUEEN 19-12 ARMSTRONG-EDDY COUNTY	Sampling Condition: Sample Received By:	Cool & Intact Shalyn Rodriguez

#### Sample ID: CS 48 - BOTTOM (H246939-48)

BTEX 8021B	mg/kg		Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/16/2024	ND	2.10	105	2.00	7.53	
Toluene*	<0.050	0.050	11/16/2024	ND	2.17	108	2.00	6.77	
Ethylbenzene*	<0.050	0.050	11/16/2024	ND	2.16	108	2.00	6.58	
Total Xylenes*	<0.150	0.150	11/16/2024	ND	6.42	107	6.00	6.51	
Total BTEX	<0.300	0.300	11/16/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	104	% 71.5-13	4						
Chloride, SM4500Cl-B	mg/	/kg	Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	11/15/2024	ND	400	100	400	3.92	
TPH 8015M	mg/	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/14/2024	ND	214	107	200	1.11	
DRO >C10-C28*	<10.0	10.0	11/14/2024	ND	201	100	200	0.931	
EXT DRO >C28-C36	<10.0	10.0	11/14/2024	ND					
Surrogate: 1-Chlorooctane	100	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	90.5	% 49.1-14	8						

#### Cardinal Laboratories

#### \*=Accredited Analyte

Celez D. Keine

Celey D. Keene, Lab Director/Quality Manager



# Analytical Results For:

	PIMA ENVIROMENTAL SEBASTIAN OROZCO 1601 N TURNER STE. 5 HOBBS NM, 88240 Fax To:	00	
Received: Reported:	11/14/2024 11/20/2024	Sampling Date: Sampling Type:	11/11/2024 Soil
Project Name: Project Number: Project Location:	WEST PEARL QUEEN 19-12 ARMSTRONG-EDDY COUNTY	Sampling Condition: Sample Received By:	Cool & Intact Shalyn Rodriguez

#### Sample ID: CS 49 - BOTTOM (H246939-49)

BTEX 8021B	mg/kg		Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/16/2024	ND	2.15	107	2.00	13.0	
Toluene*	<0.050	0.050	11/16/2024	ND	2.17	108	2.00	11.6	
Ethylbenzene*	<0.050	0.050	11/16/2024	ND	2.32	116	2.00	10.6	QR-03
Total Xylenes*	<0.150	0.150	11/16/2024	ND	6.94	116	6.00	10.8	QR-03
Total BTEX	<0.300	0.300	11/16/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	103	% 71.5-13	4						
Chloride, SM4500Cl-B	mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	11/15/2024	ND	400	100	400	3.92	
TPH 8015M	mg/	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/14/2024	ND	214	107	200	1.11	
DRO >C10-C28*	<10.0	10.0	11/14/2024	ND	201	100	200	0.931	
EXT DRO >C28-C36	<10.0	10.0	11/14/2024	ND					
Surrogate: 1-Chlorooctane	98.7	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	90.1	% 49.1-14	8						

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Celez D. Keine

Celey D. Keene, Lab Director/Quality Manager



# Analytical Results For:

		PIMA ENVIROMENTAL SEBASTIAN OROZCO 1601 N TURNER STE. 500 HOBBS NM, 88240 Fax To:		
Received:	11/14/2024		Sampling Date:	11/11/2024
Reported:	11/20/2024		Sampling Type:	Soil
Project Name:	WEST PEARL QUEE	N	Sampling Condition:	Cool & Intact
Project Number:	19-12		Sample Received By:	Shalyn Rodriguez
Project Location:	ARMSTRONG-EDDY	COUNTY		

## Sample ID: CS 50 - BOTTOM (H246939-50)

BTEX 8021B	mg/kg		Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/16/2024	ND	2.15	107	2.00	13.0	
Toluene*	<0.050	0.050	11/16/2024	ND	2.17	108	2.00	11.6	
Ethylbenzene*	<0.050	0.050	11/16/2024	ND	2.32	116	2.00	10.6	
Total Xylenes*	<0.150	0.150	11/16/2024	ND	6.94	116	6.00	10.8	
Total BTEX	<0.300	0.300	11/16/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	107 9	% 71.5-13	4						
Chloride, SM4500Cl-B	mg/	′kg	Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	11/15/2024	ND	400	100	400	3.92	
TPH 8015M	mg/	′kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/15/2024	ND	214	107	200	1.11	
DRO >C10-C28*	<10.0	10.0	11/15/2024	ND	201	100	200	0.931	
EXT DRO >C28-C36	<10.0	10.0	11/15/2024	ND					
Surrogate: 1-Chlorooctane	106 9	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	95.4	% 49.1-14	8						

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Celey D. Keene, Lab Director/Quality Manager



# Analytical Results For:

	PIMA ENVIROMENTAL SEBASTIAN OROZCO 1601 N TURNER STE. 5 HOBBS NM, 88240 Fax To:	00	
Received: Reported:	11/14/2024 11/20/2024	Sampling Date: Sampling Type:	11/11/2024 Soil
Project Name: Project Number: Project Location:	WEST PEARL QUEEN 19-12 ARMSTRONG-EDDY COUNTY	Sampling Condition: Sample Received By:	Cool & Intact Shalyn Rodriguez

## Sample ID: CS 51 - BOTTOM (H246939-51)

BTEX 8021B	mg/kg		Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/16/2024	ND	2.15	107	2.00	13.0	
Toluene*	<0.050	0.050	11/16/2024	ND	2.17	108	2.00	11.6	
Ethylbenzene*	<0.050	0.050	11/16/2024	ND	2.32	116	2.00	10.6	
Total Xylenes*	<0.150	0.150	11/16/2024	ND	6.94	116	6.00	10.8	
Total BTEX	<0.300	0.300	11/16/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	100 9	% 71.5-13	4						
Chloride, SM4500Cl-B	mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	11/15/2024	ND	400	100	400	3.92	
TPH 8015M	mg/	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/15/2024	ND	214	107	200	1.11	
DRO >C10-C28*	<10.0	10.0	11/15/2024	ND	201	100	200	0.931	
EXT DRO >C28-C36	<10.0	10.0	11/15/2024	ND					
Surrogate: 1-Chlorooctane	103 9	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	92.9	% 49.1-14							

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Celey D. Keene, Lab Director/Quality Manager


# Analytical Results For:

	PIMA ENVIROMENTAL SEBASTIAN OROZCO 1601 N TURNER STE. 5 HOBBS NM, 88240 Fax To:	00	
Received: Reported:	11/14/2024 11/20/2024	Sampling Date: Sampling Type:	11/11/2024 Soil
Project Name: Project Number: Project Location:	WEST PEARL QUEEN 19-12 ARMSTRONG-EDDY COUNTY	Sampling Condition: Sample Received By:	Cool & Intact Shalyn Rodriguez

## Sample ID: CS 52 - BOTTOM (H246939-52)

BTEX 8021B	mg/	/kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/16/2024	ND	2.15	107	2.00	13.0	
Toluene*	<0.050	0.050	11/16/2024	ND	2.17	108	2.00	11.6	
Ethylbenzene*	<0.050	0.050	11/16/2024	ND	2.32	116	2.00	10.6	
Total Xylenes*	<0.150	0.150	11/16/2024	ND	6.94	116	6.00	10.8	
Total BTEX	<0.300	0.300	11/16/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	107	% 71.5-13	4						
Chloride, SM4500Cl-B	mg,	/kg	Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	11/15/2024	ND	400	100	400	3.92	
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/15/2024	ND	214	107	200	1.11	
DRO >C10-C28*	<10.0	10.0	11/15/2024	ND	201	100	200	0.931	
EXT DRO >C28-C36	<10.0	10.0	11/15/2024	ND					
Surrogate: 1-Chlorooctane	103	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	91.3	% 49.1-14	8						

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Celey D. Keene, Lab Director/Quality Manager



# Analytical Results For:

		PIMA ENVIROMENTAL SEBASTIAN OROZCO 1601 N TURNER STE. 500 HOBBS NM, 88240 Fax To:		
Received:	11/14/2024		Sampling Date:	11/11/2024
Reported:	11/20/2024		Sampling Type:	Soil
Project Name:	WEST PEARL QUEE	N	Sampling Condition:	Cool & Intact
Project Number:	19-12		Sample Received By:	Shalyn Rodriguez
Project Location:	ARMSTRONG-EDDY	COUNTY		

# Sample ID: CS 53 - BOTTOM (H246939-53)

BTEX 8021B	mg/	/kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/16/2024	ND	2.15	107	2.00	13.0	
Toluene*	<0.050	0.050	11/16/2024	ND	2.17	108	2.00	11.6	
Ethylbenzene*	<0.050	0.050	11/16/2024	ND	2.32	116	2.00	10.6	
Total Xylenes*	<0.150	0.150	11/16/2024	ND	6.94	116	6.00	10.8	
Total BTEX	<0.300	0.300	11/16/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	110 9	% 71.5-13	4						
Chloride, SM4500Cl-B	mg/	/kg	Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	11/15/2024	ND	400	100	400	3.92	
TPH 8015M	mg/	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/15/2024	ND	194	96.8	200	0.615	
DRO >C10-C28*	<10.0	10.0	11/15/2024	ND	193	96.4	200	2.90	
EXT DRO >C28-C36	<10.0	10.0	11/15/2024	ND					
Surrogate: 1-Chlorooctane	90.5	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	77.3	% 49.1-14	8						

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Celey D. Keene, Lab Director/Quality Manager



# Analytical Results For:

		PIMA ENVIROMENTAL SEBASTIAN OROZCO 1601 N TURNER STE. 500 HOBBS NM, 88240 Fax To:		
Received:	11/14/2024		Sampling Date:	11/11/2024
Reported:	11/20/2024		Sampling Type:	Soil
Project Name:	WEST PEARL QUEEN	N	Sampling Condition:	Cool & Intact
Project Number:	19-12		Sample Received By:	Shalyn Rodriguez
Project Location:	ARMSTRONG-EDDY	COUNTY		

# Sample ID: CS 54 - BOTTOM (H246939-54)

BTEX 8021B	mg/	/kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/16/2024	ND	2.15	107	2.00	13.0	
Toluene*	<0.050	0.050	11/16/2024	ND	2.17	108	2.00	11.6	
Ethylbenzene*	<0.050	0.050	11/16/2024	ND	2.32	116	2.00	10.6	
Total Xylenes*	<0.150	0.150	11/16/2024	ND	6.94	116	6.00	10.8	
Total BTEX	<0.300	0.300	11/16/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	108	% 71.5-13	4						
Chloride, SM4500Cl-B	mg,	/kg	Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	11/15/2024	ND	400	100	400	3.92	
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/15/2024	ND	194	96.8	200	0.615	
DRO >C10-C28*	<10.0	10.0	11/15/2024	ND	193	96.4	200	2.90	
EXT DRO >C28-C36	<10.0	10.0	11/15/2024	ND					
Surrogate: 1-Chlorooctane	100	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	87.5	% 49.1-14	8						

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Celez D. Keine

Celey D. Keene, Lab Director/Quality Manager



# Analytical Results For:

		PIMA ENVIROMENTAL SEBASTIAN OROZCO 1601 N TURNER STE. 500 HOBBS NM, 88240 Fax To:			
Received:	11/14/2024		Sampling Date:	1	1/11/2024
Reported:	11/20/2024		Sampling Type:	S	oil
Project Name:	WEST PEARL QUEEN		Sampling Condition:	C	ool & Intact
Project Number:	19-12		Sample Received By:	S	nalyn Rodriguez
Project Location:	ARMSTRONG-EDDY (	COUNTY			

## Sample ID: CS 55 - BOTTOM (H246939-55)

BTEX 8021B	mg/kg		Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/16/2024	ND	2.15	107	2.00	13.0	
Toluene*	<0.050	0.050	11/16/2024	ND	2.17	108	2.00	11.6	
Ethylbenzene*	<0.050	0.050	11/16/2024	ND	2.32	116	2.00	10.6	
Total Xylenes*	<0.150	0.150	11/16/2024	ND	6.94	116	6.00	10.8	
Total BTEX	<0.300	0.300	11/16/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	101	% 71.5-13	4						
Chloride, SM4500Cl-B	mg/	/kg	Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	11/15/2024	ND	400	100	400	3.92	
TPH 8015M	mg/	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/15/2024	ND	194	96.8	200	0.615	
DRO >C10-C28*	<10.0	10.0	11/15/2024	ND	193	96.4	200	2.90	
EXT DRO >C28-C36	<10.0	10.0	11/15/2024	ND					
Surrogate: 1-Chlorooctane	98.2	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	84.6	% 49.1-14	8						

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Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



# Analytical Results For:

		PIMA ENVIROMENTAL SEBASTIAN OROZCO 1601 N TURNER STE. 500 HOBBS NM, 88240 Fax To:		
Received:	11/14/2024		Sampling Date:	11/11/2024
Reported:	11/20/2024		Sampling Type:	Soil
Project Name:	WEST PEARL QUEE	N	Sampling Condition:	Cool & Intact
Project Number:	19-12		Sample Received By:	Shalyn Rodriguez
Project Location:	ARMSTRONG-EDDY	COUNTY		· -

# Sample ID: CS 56 - BOTTOM (H246939-56)

BTEX 8021B	mg/kg		Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/16/2024	ND	2.15	107	2.00	13.0	
Toluene*	<0.050	0.050	11/16/2024	ND	2.17	108	2.00	11.6	
Ethylbenzene*	<0.050	0.050	11/16/2024	ND	2.32	116	2.00	10.6	
Total Xylenes*	<0.150	0.150	11/16/2024	ND	6.94	116	6.00	10.8	
Total BTEX	<0.300	0.300	11/16/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	116 %	6 71.5-13	4						
Chloride, SM4500Cl-B	mg/	kg	Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	11/15/2024	ND	400	100	400	3.92	
TPH 8015M	mg/	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/15/2024	ND	194	96.8	200	0.615	
DRO >C10-C28*	<10.0	10.0	11/15/2024	ND	193	96.4	200	2.90	
EXT DRO >C28-C36	<10.0	10.0	11/15/2024	ND					
Surrogate: 1-Chlorooctane	99.4	48.2-13	4						
Surrogate: 1-Chlorooctadecane	86.2	% 49.1-14	8						

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Celey D. Keene, Lab Director/Quality Manager



# Analytical Results For:

	PIMA ENVIROMENTAL SEBASTIAN OROZCO 1601 N TURNER STE. 5 HOBBS NM, 88240 Fax To:	00	
Received: Reported:	11/14/2024 11/20/2024	Sampling Date: Sampling Type:	11/11/2024 Soil
Project Name: Project Number: Project Location:	WEST PEARL QUEEN 19-12 ARMSTRONG-EDDY COUNTY	Sampling Condition: Sample Received By:	Cool & Intact Shalyn Rodriguez

# Sample ID: CS 57 - BOTTOM (H246939-57)

BTEX 8021B	mg/	/kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/16/2024	ND	2.15	107	2.00	13.0	
Toluene*	<0.050	0.050	11/16/2024	ND	2.17	108	2.00	11.6	
Ethylbenzene*	<0.050	0.050	11/16/2024	ND	2.32	116	2.00	10.6	
Total Xylenes*	<0.150	0.150	11/16/2024	ND	6.94	116	6.00	10.8	
Total BTEX	<0.300	0.300	11/16/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	102 9	% 71.5-13	4						
Chloride, SM4500Cl-B	mg/	/kg	Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	11/15/2024	ND	400	100	400	3.92	
TPH 8015M	mg/	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/15/2024	ND	194	96.8	200	0.615	
DRO >C10-C28*	<10.0	10.0	11/15/2024	ND	193	96.4	200	2.90	
EXT DRO >C28-C36	<10.0	10.0	11/15/2024	ND					
Surrogate: 1-Chlorooctane	102 9	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	87.5	% 49.1-14	8						

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Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



# Analytical Results For:

		PIMA ENVIROMENTAL SEBASTIAN OROZCO 1601 N TURNER STE. 500 HOBBS NM, 88240 Fax To:		
Received:	11/14/2024		Sampling Date:	11/11/2024
Reported:	11/20/2024		Sampling Type:	Soil
Project Name:	WEST PEARL QUEE	N	Sampling Condition:	Cool & Intact
Project Number:	19-12		Sample Received By:	Shalyn Rodriguez
Project Location:	ARMSTRONG-EDDY	COUNTY		· -

# Sample ID: CS 58 - BOTTOM (H246939-58)

BTEX 8021B	mg/kg		Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/16/2024	ND	2.15	107	2.00	13.0	
Toluene*	<0.050	0.050	11/16/2024	ND	2.17	108	2.00	11.6	
Ethylbenzene*	<0.050	0.050	11/16/2024	ND	2.32	116	2.00	10.6	
Total Xylenes*	<0.150	0.150	11/16/2024	ND	6.94	116	6.00	10.8	
Total BTEX	<0.300	0.300	11/16/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	99.9	% 71.5-13	4						
Chloride, SM4500Cl-B	mg/	/kg	Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	11/15/2024	ND	400	100	400	3.92	
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/15/2024	ND	194	96.8	200	0.615	
DRO >C10-C28*	<10.0	10.0	11/15/2024	ND	193	96.4	200	2.90	
EXT DRO >C28-C36	<10.0	10.0	11/15/2024	ND					
Surrogate: 1-Chlorooctane	100	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	86.2	% 49.1-14	8						

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## \*=Accredited Analyte

Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



# Analytical Results For:

		PIMA ENVIROMENTAL SEBASTIAN OROZCO 1601 N TURNER STE. 500 HOBBS NM, 88240 Fax To:		
Received:	11/14/2024		Sampling Date:	11/11/2024
Reported:	11/20/2024		Sampling Type:	Soil
Project Name:	WEST PEARL QUEE	N	Sampling Condition:	Cool & Intact
Project Number:	19-12		Sample Received By:	Shalyn Rodriguez
Project Location:	ARMSTRONG-EDDY	COUNTY		· -

# Sample ID: CS 59 - BOTTOM (H246939-59)

BTEX 8021B	mg/kg		Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/16/2024	ND	2.15	107	2.00	13.0	
Toluene*	<0.050	0.050	11/16/2024	ND	2.17	108	2.00	11.6	
Ethylbenzene*	<0.050	0.050	11/16/2024	ND	2.32	116	2.00	10.6	
Total Xylenes*	<0.150	0.150	11/16/2024	ND	6.94	116	6.00	10.8	
Total BTEX	<0.300	0.300	11/16/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	106 9	% 71.5-13	4						
Chloride, SM4500Cl-B	mg/	/kg	Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	11/15/2024	ND	400	100	400	3.92	
TPH 8015M	mg/	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/15/2024	ND	194	96.8	200	0.615	
DRO >C10-C28*	<10.0	10.0	11/15/2024	ND	193	96.4	200	2.90	
EXT DRO >C28-C36	<10.0	10.0	11/15/2024	ND					
Surrogate: 1-Chlorooctane	99.8	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	86.1	% 49.1-14	8						

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#### \*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



# Analytical Results For:

	PIMA ENVIROMENTAL SEBASTIAN OROZCO 1601 N TURNER STE. 5 HOBBS NM, 88240 Fax To:	00	
Received: Reported:	11/14/2024 11/20/2024	Sampling Date: Sampling Type:	11/11/2024 Soil
Project Name: Project Number: Project Location:	WEST PEARL QUEEN 19-12 ARMSTRONG-EDDY COUNTY	Sampling Condition: Sample Received By:	Cool & Intact Shalyn Rodriguez

# Sample ID: CS 60 - BOTTOM (H246939-60)

BTEX 8021B	mg/kg		Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/16/2024	ND	2.15	107	2.00	13.0	
Toluene*	<0.050	0.050	11/16/2024	ND	2.17	108	2.00	11.6	
Ethylbenzene*	<0.050	0.050	11/16/2024	ND	2.32	116	2.00	10.6	
Total Xylenes*	<0.150	0.150	11/16/2024	ND	6.94	116	6.00	10.8	
Total BTEX	<0.300	0.300	11/16/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	103 9	% 71.5-13	4						
Chloride, SM4500Cl-B	mg/	'kg	Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	11/15/2024	ND	400	100	400	3.92	
TPH 8015M	mg/	'kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/15/2024	ND	194	96.8	200	0.615	
DRO >C10-C28*	<10.0	10.0	11/15/2024	ND	193	96.4	200	2.90	
EXT DRO >C28-C36	<10.0	10.0	11/15/2024	ND					
Surrogate: 1-Chlorooctane	96.7	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	83.0	% 49.1-14	8						

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Celey D. Keene, Lab Director/Quality Manager



# Analytical Results For:

	PIMA ENVIROMENTAL SEBASTIAN OROZCO 1601 N TURNER STE. 5 HOBBS NM, 88240 Fax To:	00	
Received: Reported:	11/14/2024 11/20/2024	Sampling Date: Sampling Type:	11/11/2024 Soil
Project Name: Project Number: Project Location:	WEST PEARL QUEEN 19-12 ARMSTRONG-EDDY COUNTY	Sampling Condition: Sample Received By:	Cool & Intact Shalyn Rodriguez

## Sample ID: CS 61 - BOTTOM (H246939-61)

BTEX 8021B	mg/kg		Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/16/2024	ND	2.15	107	2.00	13.0	
Toluene*	<0.050	0.050	11/16/2024	ND	2.17	108	2.00	11.6	
Ethylbenzene*	<0.050	0.050	11/16/2024	ND	2.32	116	2.00	10.6	
Total Xylenes*	<0.150	0.150	11/16/2024	ND	6.94	116	6.00	10.8	
Total BTEX	<0.300	0.300	11/16/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	102 9	% 71.5-13	4						
Chloride, SM4500Cl-B	mg/	′kg	Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	11/15/2024	ND	400	100	400	3.92	
TPH 8015M	mg/	′kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/15/2024	ND	194	96.8	200	0.615	
DRO >C10-C28*	<10.0	10.0	11/15/2024	ND	193	96.4	200	2.90	
EXT DRO >C28-C36	<10.0	10.0	11/15/2024	ND					
Surrogate: 1-Chlorooctane	96.1	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	82.8	% 49.1-14	8						

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Celey D. Keene, Lab Director/Quality Manager



# Analytical Results For:

		PIMA ENVIROMENTAL SEBASTIAN OROZCO 1601 N TURNER STE. 500 HOBBS NM, 88240 Fax To:		
Received:	11/14/2024		Sampling Date:	11/11/2024
Reported:	11/20/2024		Sampling Type:	Soil
Project Name:	WEST PEARL QUEE	N	Sampling Condition:	Cool & Intact
Project Number:	19-12		Sample Received By:	Shalyn Rodriguez
Project Location:	ARMSTRONG-EDDY	COUNTY		

# Sample ID: CS 62 - BOTTOM (H246939-62)

BTEX 8021B	mg/	/kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/16/2024	ND	2.15	107	2.00	13.0	
Toluene*	<0.050	0.050	11/16/2024	ND	2.17	108	2.00	11.6	
Ethylbenzene*	<0.050	0.050	11/16/2024	ND	2.32	116	2.00	10.6	
Total Xylenes*	<0.150	0.150	11/16/2024	ND	6.94	116	6.00	10.8	
Total BTEX	<0.300	0.300	11/16/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	111 9	% 71.5-13	4						
Chloride, SM4500Cl-B	mg,	/kg	Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	11/15/2024	ND	400	100	400	3.92	
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/15/2024	ND	194	96.8	200	0.615	
DRO >C10-C28*	<10.0	10.0	11/15/2024	ND	193	96.4	200	2.90	
EXT DRO >C28-C36	<10.0	10.0	11/15/2024	ND					
Surrogate: 1-Chlorooctane	103	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	89.2	% 49.1-14	8						

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Celey D. Keene, Lab Director/Quality Manager



# Analytical Results For:

		PIMA ENVIROMENTAL SEBASTIAN OROZCO 1601 N TURNER STE. 500 HOBBS NM, 88240 Fax To:		
Received:	11/14/2024		Sampling Date:	11/11/2024
Reported:	11/20/2024		Sampling Type:	Soil
Project Name:	WEST PEARL QUEE	N	Sampling Condition:	Cool & Intact
Project Number:	19-12		Sample Received By:	Shalyn Rodriguez
Project Location:	ARMSTRONG-EDDY	COUNTY		

# Sample ID: CS 63 - BOTTOM (H246939-63)

BTEX 8021B	mg/	/kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/16/2024	ND	2.15	107	2.00	13.0	
Toluene*	<0.050	0.050	11/16/2024	ND	2.17	108	2.00	11.6	
Ethylbenzene*	<0.050	0.050	11/16/2024	ND	2.32	116	2.00	10.6	
Total Xylenes*	<0.150	0.150	11/16/2024	ND	6.94	116	6.00	10.8	
Total BTEX	<0.300	0.300	11/16/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	95.5	% 71.5-13	4						
Chloride, SM4500Cl-B	mg/	/kg	Analyzed By: CT						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	16.0	16.0	11/15/2024	ND	432	108	400	0.00	
TPH 8015M	mg/	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/15/2024	ND	194	96.8	200	0.615	
DRO >C10-C28*	<10.0	10.0	11/15/2024	ND	193	96.4	200	2.90	
EXT DRO >C28-C36	<10.0	10.0	11/15/2024	ND					
Surrogate: 1-Chlorooctane	94.0	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	82.1	% 49.1-14	8						

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# Analytical Results For:

		PIMA ENVIROMENTAL SEBASTIAN OROZCO 1601 N TURNER STE. 500 HOBBS NM, 88240 Fax To:		
Received:	11/14/2024		Sampling Date:	11/11/2024
Reported:	11/20/2024		Sampling Type:	Soil
Project Name:	WEST PEARL QUEE	N	Sampling Condition:	Cool & Intact
Project Number:	19-12		Sample Received By:	Shalyn Rodriguez
Project Location:	ARMSTRONG-EDDY	COUNTY		

# Sample ID: CS 64 - BOTTOM (H246939-64)

BTEX 8021B	mg/kg		Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/16/2024	ND	2.15	107	2.00	13.0	
Toluene*	<0.050	0.050	11/16/2024	ND	2.17	108	2.00	11.6	
Ethylbenzene*	<0.050	0.050	11/16/2024	ND	2.32	116	2.00	10.6	
Total Xylenes*	<0.150	0.150	11/16/2024	ND	6.94	116	6.00	10.8	
Total BTEX	<0.300	0.300	11/16/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	98.5	% 71.5-13	4						
Chloride, SM4500Cl-B	mg/kg		Analyzed By: CT						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	16.0	16.0	11/15/2024	ND	432	108	400	0.00	
TPH 8015M	mg/	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/15/2024	ND	194	96.8	200	0.615	
DRO >C10-C28*	<10.0	10.0	11/15/2024	ND	193	96.4	200	2.90	
EXT DRO >C28-C36	<10.0	10.0	11/15/2024	ND					
Surrogate: 1-Chlorooctane	89.3	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	76.7	% 49.1-14	0						

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Celey D. Keene, Lab Director/Quality Manager



# Analytical Results For:

		PIMA ENVIROMENTAL SEBASTIAN OROZCO 1601 N TURNER STE. 500 HOBBS NM, 88240 Fax To:		
Received:	11/14/2024		Sampling Date:	11/11/2024
Reported:	11/20/2024		Sampling Type:	Soil
Project Name:	WEST PEARL QUEE	N	Sampling Condition:	Cool & Intact
Project Number:	19-12		Sample Received By:	Shalyn Rodriguez
Project Location:	ARMSTRONG-EDDY	COUNTY		

# Sample ID: CS 65 - BOTTOM (H246939-65)

BTEX 8021B	mg/kg		Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/16/2024	ND	2.15	107	2.00	13.0	
Toluene*	<0.050	0.050	11/16/2024	ND	2.17	108	2.00	11.6	
Ethylbenzene*	<0.050	0.050	11/16/2024	ND	2.32	116	2.00	10.6	
Total Xylenes*	<0.150	0.150	11/16/2024	ND	6.94	116	6.00	10.8	
Total BTEX	<0.300	0.300	11/16/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	114 9	% 71.5-13	4						
Chloride, SM4500Cl-B	mg/	/kg	Analyzed By: CT						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	16.0	16.0	11/15/2024	ND	432	108	400	0.00	
TPH 8015M	mg/	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/15/2024	ND	194	96.8	200	0.615	
DRO >C10-C28*	<10.0	10.0	11/15/2024	ND	193	96.4	200	2.90	
EXT DRO >C28-C36	<10.0	10.0	11/15/2024	ND					
Surrogate: 1-Chlorooctane	94.6	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	81.3	% 49.1-14	0						

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Celey D. Keene, Lab Director/Quality Manager



# Analytical Results For:

	PIMA ENVIROMENTAL SEBASTIAN OROZCO 1601 N TURNER STE. 5 HOBBS NM, 88240 Fax To:	00	
Received: Reported:	11/14/2024 11/20/2024	Sampling Date: Sampling Type:	11/11/2024 Soil
Project Name: Project Number: Project Location:	WEST PEARL QUEEN 19-12 ARMSTRONG-EDDY COUNTY	Sampling Condition: Sample Received By:	Cool & Intact Shalyn Rodriguez

#### Sample ID: CS 66 - BOTTOM (H246939-66)

BTEX 8021B	mg/kg		Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/16/2024	ND	2.15	107	2.00	13.0	
Toluene*	<0.050	0.050	11/16/2024	ND	2.17	108	2.00	11.6	
Ethylbenzene*	<0.050	0.050	11/16/2024	ND	2.32	116	2.00	10.6	
Total Xylenes*	<0.150	0.150	11/16/2024	ND	6.94	116	6.00	10.8	
Total BTEX	<0.300	0.300	11/16/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	106 9	% 71.5-13	4						
Chloride, SM4500Cl-B	mg/	kg	Analyzed By: CT						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	16.0	16.0	11/15/2024	ND	432	108	400	0.00	
TPH 8015M	mg/	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/15/2024	ND	194	96.8	200	0.615	
DRO >C10-C28*	<10.0	10.0	11/15/2024	ND	193	96.4	200	2.90	
EXT DRO >C28-C36	<10.0	10.0	11/15/2024	ND					
Surrogate: 1-Chlorooctane	92.4	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	79.9	% 49.1-14	8						

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Celey D. Keene, Lab Director/Quality Manager



# Analytical Results For:

	PIMA ENVIROMENTAL SEBASTIAN OROZCO 1601 N TURNER STE. 5 HOBBS NM, 88240 Fax To:	00	
Received: Reported:	11/14/2024 11/20/2024	Sampling Date: Sampling Type:	11/11/2024 Soil
Project Name: Project Number: Project Location:	WEST PEARL QUEEN 19-12 ARMSTRONG-EDDY COUNTY	Sampling Condition: Sample Received By:	Cool & Intact Shalyn Rodriguez

## Sample ID: CS 67 - BOTTOM (H246939-67)

BTEX 8021B	mg/	/kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/16/2024	ND	2.15	107	2.00	13.0	
Toluene*	<0.050	0.050	11/16/2024	ND	2.17	108	2.00	11.6	
Ethylbenzene*	<0.050	0.050	11/16/2024	ND	2.32	116	2.00	10.6	
Total Xylenes*	<0.150	0.150	11/16/2024	ND	6.94	116	6.00	10.8	
Total BTEX	<0.300	0.300	11/16/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	111 9	% 71.5-13	4						
Chloride, SM4500Cl-B	mg/kg		Analyzed By: CT						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	16.0	16.0	11/15/2024	ND	432	108	400	0.00	
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/15/2024	ND	194	96.8	200	0.615	
DRO >C10-C28*	<10.0	10.0	11/15/2024	ND	193	96.4	200	2.90	
EXT DRO >C28-C36	<10.0	10.0	11/15/2024	ND					
Surrogate: 1-Chlorooctane	108	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	95.1	% 49.1-14	0						

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Celey D. Keene, Lab Director/Quality Manager



# Analytical Results For:

		PIMA ENVIROMENTAL SEBASTIAN OROZCO 1601 N TURNER STE. 500 HOBBS NM, 88240 Fax To:		
Received:	11/14/2024		Sampling Date:	11/11/2024
Reported:	11/20/2024		Sampling Type:	Soil
Project Name:	WEST PEARL QUEE	N	Sampling Condition:	Cool & Intact
Project Number:	19-12		Sample Received By:	Shalyn Rodriguez
Project Location:	ARMSTRONG-EDDY	COUNTY		· -

# Sample ID: CS 68 - BOTTOM (H246939-68)

BTEX 8021B	mg/kg		Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/16/2024	ND	2.15	107	2.00	13.0	
Toluene*	<0.050	0.050	11/16/2024	ND	2.17	108	2.00	11.6	
Ethylbenzene*	<0.050	0.050	11/16/2024	ND	2.32	116	2.00	10.6	
Total Xylenes*	<0.150	0.150	11/16/2024	ND	6.94	116	6.00	10.8	
Total BTEX	<0.300	0.300	11/16/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	106 9	% 71.5-13	4						
Chloride, SM4500Cl-B	mg/	/kg	Analyzed By: CT						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	16.0	16.0	11/15/2024	ND	432	108	400	0.00	
TPH 8015M	mg/	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/15/2024	ND	194	96.8	200	0.615	
DRO >C10-C28*	<10.0	10.0	11/15/2024	ND	193	96.4	200	2.90	
EXT DRO >C28-C36	<10.0	10.0	11/15/2024	ND					
Surrogate: 1-Chlorooctane	116 9	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	103 9	% 49.1-14	0						

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#### \*=Accredited Analyte

Celez D. Keine

Celey D. Keene, Lab Director/Quality Manager



# Analytical Results For:

		PIMA ENVIROMENTAL SEBASTIAN OROZCO 1601 N TURNER STE. 500 HOBBS NM, 88240 Fax To:		
Received:	11/14/2024		Sampling Date:	11/11/2024
Reported:	11/20/2024		Sampling Type:	Soil
Project Name:	WEST PEARL QUEEN	N	Sampling Condition:	Cool & Intact
Project Number:	19-12		Sample Received By:	Shalyn Rodriguez
Project Location:	ARMSTRONG-EDDY	COUNTY		

# Sample ID: CS 69 - BOTTOM (H246939-69)

BTEX 8021B	mg/	′kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/16/2024	ND	2.22	111	2.00	7.15	
Toluene*	<0.050	0.050	11/16/2024	ND	2.14	107	2.00	4.15	
Ethylbenzene*	<0.050	0.050	11/16/2024	ND	2.21	111	2.00	3.06	
Total Xylenes*	<0.150	0.150	11/16/2024	ND	6.46	108	6.00	2.12	
Total BTEX	<0.300	0.300	11/16/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	108 9	% 71.5-13	4						
Chloride, SM4500Cl-B	mg/	′kg	Analyzed By: CT						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	16.0	16.0	11/15/2024	ND	432	108	400	0.00	
TPH 8015M	mg/	′kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/15/2024	ND	194	96.8	200	0.615	
DRO >C10-C28*	<10.0	10.0	11/15/2024	ND	193	96.4	200	2.90	
EXT DRO >C28-C36	<10.0	10.0	11/15/2024	ND					
Surrogate: 1-Chlorooctane	134 9	48.2-13	4						
Surrogate: 1-Chlorooctadecane	119 9	% 49.1-14	8						

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#### \*=Accredited Analyte

Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



# Analytical Results For:

		PIMA ENVIROMENTAL SEBASTIAN OROZCO 1601 N TURNER STE. 500 HOBBS NM, 88240 Fax To:		
Received:	11/14/2024		Sampling Date:	11/11/2024
Reported:	11/20/2024		Sampling Type:	Soil
Project Name:	WEST PEARL QUEEN	N	Sampling Condition:	Cool & Intact
Project Number:	19-12		Sample Received By:	Shalyn Rodriguez
Project Location:	ARMSTRONG-EDDY	COUNTY		

#### Sample ID: CS 70 - BOTTOM (H246939-70)

BTEX 8021B	mg/	/kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/16/2024	ND	2.22	111	2.00	7.15	
Toluene*	<0.050	0.050	11/16/2024	ND	2.14	107	2.00	4.15	
Ethylbenzene*	<0.050	0.050	11/16/2024	ND	2.21	111	2.00	3.06	
Total Xylenes*	<0.150	0.150	11/16/2024	ND	6.46	108	6.00	2.12	
Total BTEX	<0.300	0.300	11/16/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	109 9	% 71.5-13	4						
Chloride, SM4500Cl-B	mg/	/kg	Analyze	d By: CT					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	16.0	16.0	11/15/2024	ND	432	108	400	0.00	
TPH 8015M	mg/	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/15/2024	ND	194	96.8	200	0.615	
DRO >C10-C28*	<10.0	10.0	11/15/2024	ND	193	96.4	200	2.90	
EXT DRO >C28-C36	<10.0	10.0	11/15/2024	ND					
Surrogate: 1-Chlorooctane	117 9	48.2-13	4						
Surrogate: 1-Chlorooctadecane	102 9	% 49.1-14	8						

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Celey D. Keene, Lab Director/Quality Manager



# **Notes and Definitions**

S-05	The surrogate recovery is outside of lab established statistical control limits but still within method limits. Data is not adversely affected.
QR-03	The RPD value for the sample duplicate or MS/MSD was outside of QC acceptance limits due to matrix interference. QC batch accepted based on LCS and/or LCSD recovery and/or RPD values.
ND	Analyte NOT DETECTED at or above the reporting limit
RPD	Relative Percent Difference
**	Samples not received at proper temperature of 6°C or below.
***	Insufficient time to reach temperature.
-	Chloride by SM4500Cl-B does not require samples be received at or below 6°C
	Samples reported on an as received basis (wet) unless otherwise noted on report

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#### \*=Accredited Analyte

Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager

# Laboratories

# CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Company Name	(575) 393-2326 FAX (575) 393-247 Pima Environmental Servi		3	-				T			BIL	LL	то						A	NAL	YSIS	RE	QUE	ST	_	-	
	" Sebastion Orozco							P	0.1	¥:							Т										
	14 N. Lovington Hwy							c	omp	bany	1: A	rm	Stro	ng													
city: Hobbs		Zip	: 8	82	40			A	ttn:														1				
Phone #: 575								A	ddr	ess:																	
	1-12 Project Owne	r: Al	rm	51	roi	19		c	ity:																		
Project Name:	West Pear / Queen							s	tate	:		Zip:															
Project Locatio	: Eddy County							P	hon	e #:																	
Sampler Name:	n: Eddy Courty Marisa Loya							F	ax #	-	_																
FOR LAB USE ONLY			Г		M	ATF	RIX	-	PF	RESI	ERV.	S	SAMPL	ING	ride										1		
Lab I.D.	Sample I.D.	(G)RAB OR (C)OMP	# CONTAINERS	GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	ACID/RASE	ICE / COOL	OTHER :		DATE	TIME	Chlar	Fd-		BTEX									
	CSI- Battom					*			1			11/	11/24	12:00	X	17	4	X	-		-	-	-	-	-	-	+
2	CS2-Bottom CS3-Bottom					1	-	1	+	-			1	12:02	11	+	-	+	_	_		-	+	-	+	+	+
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PLEASE NOTE: Liability	and Damages. Cardinal's liability and client's exclusive remedy for	a dater	ad unai	und im	dees ma	ade in	writina	and R	9CBIV0	a by C	ardinal	AAGEIRD ?	ou days a	tes compession o	a min while	cable											
analyses. All claims inclu service. In no event shall	ding those for negligence and any other cause whatsoever shall Cardinal be liable for incidental or consequental damages, includi ising out of or related to the performance of services hereunder by													easons or other	wise.					6 4 3 10	Dhama	41.					
Relinquished B Relinquished B	Jame Date: 11-14-24 Time: 824		S	P	By:						l			Phone R Fax Res REMAR	ult:		Yes Yes		No /		Phone Fax #:						

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12 #14

Laboratories

# CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

	101 East Marland, Hobbs, NM 882 (575) 393-2326 FAX (575) 393-247	6	_			_	_	_	011		0		_		_	-		YSI	S R	EQUI	EST	 _	_
	Pima Environmental Servi	ces				$\rightarrow$			BIL	LLT	0			-		ń	100			T	T		
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	4 N. Lovington Hwy		-				Com	npan	y: A	ms	100	7											
city: Hobbs	State: NM	Zip:	8	8240		-	Attn	:															
Phone #: 575-	964-7740 Fax #:	4			_		Add	ress	:														
Project #: 19	-12 Project Owner	A	rn	nstra	ong		City	:															
Project Name:	West Pearl Queen	'			~	- 1	Stat	e:		Zip:													
Project Location	Eddy County						Pho	ne #	t:														
Sampler Name:	: Eddy County Mansa laya						Fax	#:					S										
FOR LAB USE ONLY	1			1	MATRI	X	F	RES	SERV.	SAI	MPLI	NG	-D										
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analyses. All claims includ	ing those for negligence and any other cause whatsoever shall o	e deeme	ad war	Refer burin	cec intern	untions	loss of	use of	r loss of a	profits incu	rred by	client, its subsid	liaries,	able									
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# Laboratories

# CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

	(575) 393-2326 FAX (575) 393-247 Pima Environmental Servi								BIL	LTO	0					ANA	LYS	IS R	EQUI	EST			_
	: Sebastian Orozco		-	_			P.0.																
	4 N. Lovington Hwy						Con	pany	A	mstro	ng	1											
city: Hobbs		Zip	8	8240	)		Attn				5												
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Project #: [[	West Pearl Queen		47	10/1	5		Stat			Zip:		1											
	n: Eddy County							ne #:															
Sampler Name:	Marisa Loya						Fax					Dride											
FOR LAB USE ONLY	1101130001	Γ			MATE	XIX		RES	ERV.	SAMPL	NG	S	1										
Lab I.D. 424039	Sample I.D. CS21 - Bottom CS22 - Bottom CS23 - Bottom CS24 - Bottom CS24 - Bottom CS26 - Bottom CS26 - Bottom CS27 - Bottom CS28 - Bottom CS29 - Bottom	(G)RAB OR (C)OMP	# CONTAINERS	GROUNDWATER WASTEWATER	SOIL	SLUDGE	OTHER :	ACID/BASE: ICE / COOL	OTHER :	DATE	TIME	Chle	H&L	(91E)									
al	CS21-Bottom				X			-		11/11	12:57	X	X	X	_	-	+	-	-	-	-	-	⊢
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PLEASE NOTE: Liability a	1 P	any cla	im ans	ing whethe	r based i	n contrac	t or lort	, shall be	Imited	to the amount p	id by the client #	for the	ble										
service. In no event shall (	and Damages. Cardinars liebliny and clients exclase relieby io sing those for negligence and any other cause whatsoever shall b Cardinal be liable for incidental or consequental damages, includi	ng witho	NUL REPR	ation, pusi	ness inte	nupuons	, 1058-01	use, or a	oss of b	ions incurred by	Contra, inc. and the	Siaries,											
affiliates or successors are Relinquished B	Adame	R	ecei	ved B		t Ke	cio		U	e above stated r	Phone R Fax Resu REMARK	esult: ult:	St		No No	Add	I'l Phoi I'l Fax						
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# Laboratories

# CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

	575) 393-2326 FAX (575) 393-247		_	_	_	-	Т	200	-	RII	LT	0		_	-	-		AN	AL	(SIS	RE	QUE	ST			
	Pima Environmental Servi	ces					6	.0. #		DIL	the 1	~			-		T	T	T							
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city: Hobbs	State: NM	Zip:	88	3240	J			ttn:	_																	
Phone #: 575-9	964-7740 Fax #:	4	_	,			A	ddro	ess:	-																
Project #: 19-1	12. Project Owner	H	m.	stro	mg	1	C	ity:			_													1		
Project Name:	West Pearl Queen				-		s	tate	:		Zip:	_														
Project Location	Eddy County						P	hon	e #:																	
Sampler Name:	Marija Loya						F	ax #	-	_	_		_	5								1				
FOR LAB USE ONLY			Т		MA	TRIX	-	PF	RESE	RV.	SAI	MPLI	NG	R								1				
Lab I.D. 13410939 31 33 33 33 33 33 33 33 33 33 33 33 33	Sample I.D. CS31- Bottom CS32 -Bottom CS33 - Bottom CS34 - Bottom	(G)RAB OR (C)OMP	# CONTAINERS	GROUNDWATER	× soll		SLUDGE	OTHER : ACID/RASE	KICE / COOL		DA		TIME 1:34	- × Chlorides	Hd-L × -	V BTEV	N N N									
32	CSB2 -Bottom	$\square$	_				-	+	-1			-	1:36	++	++	+	-	+	-			1	-	1	1	1
33	C333 - Bottom	+	_				-	+	+				1:41	++	11	+		+			-	1				
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31	CS39-Bottom				+			+					1:58	11	11									-		
10		r any clair	n arisi	ing wheth	er base	ed in cor	ntract of	or tort, s	shall be	Imited	to the arr	nount pa	id by the client	for the	able											
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Page 76 of 79



# CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

	101 East Marland, Hobbs, NM 882 575) 393-2326 FAX (575) 393-247																			_						
	Pima Environmental Servi		;				Т			BIL	LT	0				1	_	ANA	LYS	IS	RE	QUE	ST	-	_	-
	: Sebastian Orozco						1	P.O. 1	#:				1.1													
	4 N. Lovington Hwy							Com	pany	A	metro	ng	-													
City: Hobbs		Zip	: 8	824	10			Attn:				0					L									
Phone #: 575-								Addr	ess:																	
Project #: 19-17		A	cm	str	519			City:																		
	West Pearl Queen		r tr	.011	J			State			Zip:															
Project Name:	Eddy County		_					Phon	ie #:																	
Sampler Name:	Marisa Loya							Fax #	ŧ:						V	)								1		
FOR LAB USE ONLY	That I she to you	Г			MA	TRIX	(	PI	RESI	ERV.	SAN	IPLI	NG		-f											
Lab I.D. H340939	Sample I.D.	(G)RAB OR (C)OMP	# CONTAINERS	GROUNDWATER	WASTEWATER SOIL	OIL	SLUDGE	OTHER :	LICE / COOL		DAT		TIME	A BTEX	< Chlorit	HOLY										
40	CS41-Bottom				X	-	-	-	X		11/1	)	2:00	4	X	X	+	-	-	-	-	+	-	-	-	1
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43,	CS43-Bottom		⊢	$\vdash$		-		+	+	-		-	2:16	++	$\vdash$	H	+	-	+	+	-	1	1	1	1	
44	CS44 - Bottom	+	+			-	-	-	-	-	$\vdash$	-	2:18	H		+	+		+	+		1				
45	CS46- Bottom	+	⊢	$\vdash$	-			+		-	++	-	2:23	++	+	11	+				-					
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41	CS47-Botton	+	÷			-	+		+	+	++	-	2:30	Ħ		11	1									
40	CS48-Bottom	+	÷			-	+			+			2:34	H	H	11	1									
4948	CS49-Bottom CSGO-Bottom	+	t			+	-		-1	1			2:38	tt	1	11										-
atiliates or successors atis Relinquished B Karim	nd Damages. Cardinal's liability and client's exclusive remedy for ing those for negligence and any other cause whatsoever shall be Cardinal be liable for incidental or consequental damages. Includ ing out of or related to the performance of services hereinder by y: Phote: Addame Time: Solution	e deem ng with Cardin R	ed wai out lim al, reg ece	itation, b ardless ( ived	By:	e in writ interrup er such	ptions,	loss of u	ise, or l	oss of p any of th	wrofits incun	red by		iaries, rise, esult: ult:			and an	Ad	d'l Pho d'l Fax		#:					
	y: Date: Time: (Circle One) -7. 12 0.0.0 - Bus - Other: -7.72 #	Di			Samp Cool	Int	act	_	000		KED BY	1:	<	Sel	025	sti	un	3	Pin	Na	iou	1-0	sm			

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# **CARDINAL** Laboratories

# CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

	101 East Marland, Hobbs, NM 882 (575) 393-2326 FAX (575) 393-247																							
	Pima Environmental Servi		;							BI	LL 1	ТО					AN	ALYS	IS	REC	QUE	ST	 	
Project Manage	: Sepastian Drozco							P.0																
	4 N. Lovington Hwy							Cor	mpa	ny: A	rms	stro	ng											
city: Hobbs		Zip	8	824	40			Att	n:				5											
Phone #: 575-							- 1	Add	dres	s:														
Project #: 19-	-12 Project Owner	A	rm	filr	na	9		City	y:															
Project Name:	West Pear Diven					/		Sta	te:		Zip:													
Project Location	CIL A							Phe	one	<b>#</b> :														
Sampler Name:	1							Fax	c#:															
FOR LAB USE ONLY	110415 00100				M	ATR	X		PRE	SERV.	SA	AMPLI	NG			w								
Lab I.D. 1240939 51 53 53 54 55 56 57 58 59 60	Sample I.D. CS51 - Bottom CS52 - Bottom CS53 - Bottom CS54 - Bottom CS55 - Bottom CS55 - Bottom CS58 - Bottom CS58 - Bottom CS58 - Bottom CS59 - Bottom CS59 - Bottom CS59 - Bottom	(G)RAB OR (C)OMP	# CONTAINERS	GROUNDWATER	_		SLUDGE	OTHER:	ACID/BASE:				TIME 2:40 2:42 2:48 2:50 2:52 2:52 2:54 2:56 3:00 3:04	- X BTEX	Hdt X	+ Chiloride								
	and Damages. Cardinal's liability and client's exclusive remedy for													the application	able									
affiliates or successors an Relinquished E	Cardinat be liable for incidental or consequential damages, include ising out of or related to the performance of services hereunder by By: Adame Date: 4324 Time: 2220	Cardina Re			by:	her su	ch clain	is bas	sed upo		he above			esult: Ilt:			lo A	dd'l Pho dd'l Fax		é:				
Delivered B Sampler - UPS	y: (Circle One) 7.12 0.0.0 S - Bus - Other: 7.72	i H	10		Cool	l Ir	ondi tact		<		KED E			Sek	as	tian	ap	ima	j	1.0	om			

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Page 78 of 79



# CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

101 East Marland, Hobbs, NM 8 (575) 393-2326 FAX (575) 393-24																								
Company Name: Pima Environmental Ser		s							BI	LL	TO			-			ANA	LYS	IS	REC	UES	T	 	
Project Manager: Sebastian Orozco							P.(	D. #:																
Address: 5614 N. Lovington Hwy							Co	mpa	ny: A	fri	nstn	DA9												
City: Hobbs State: NM	1 zi	: 8	82	40			Att		-			~												
Phone #: 575-964-7740 Fax #:							Ad	dres	s:															
Project #: 19-12 Project Own	er C	1co	st	ron	g		Cit	v:																
Project Name: West Pear Queen	- F	1.1.	101	1	9			ate:		Zip	o:									- 1				
Project Name: WCST [CAT] (VOCA							1	one	#:															
Project Location: Edg County Sampler Name: Marsa Loya							1	x #:					X											
Sampler Name: Marsa LONA	Т	T		M	ATR	XIX	li a	-	SERV.	1	SAMPLI	NG	12											
Lab I.D. Sample I.D. 4240939 41 CS61 - Bottom 43 CS62 - Bottom 43 CS63 - Bottom 44 CS 64 - Bottom 44 CS 64 - Bottom 44 CS 65 - Bottom 44 CS 66 - Bottom 44 CS 66 - Bottom 44 CS 68 - Bottom 47 CS 69 - Bottom					×	SLUDGE		ort sha	Content of the second s	l		TIME 3:07 3:11 3:13 3:13 3:17 3:21 3:23 3:24 3:30 3:30 3:36 3:41 add by the cleaft	The Chile	HAL X	× 372X									
PLEASE NOTE: Liability and Damages. Cardinal's liability and clent's exclusive listing analyses. All claims including those for negligence and any other cause whatsoever all service. In no event shall Cardinal be liable for incidental or consequental damages, inc affiliates or successors arising out of or related to the performance of services hereunde Relinquished By: Relinquished By: Date: Time: Delivered By: (Circle One) Sampler - UPS - Bus - Other:	L De dee luding with t Dy Card	Rece	itation.	By: By: By: By: Sam	ple 0	ruption		of use, ised up	or loss of	the ab	s incurred by pove stated n	client, its subsid easons or otherw Phone R Fax Resu REMARK	iaries, <u>vise</u> esult: ult: (S: (	∃÷ Sta		~	Add	i'l Pho J'l Fax	#:		Con	1		

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November 20, 2024

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

RE: WEST PEARL QUEEN

Enclosed are the results of analyses for samples received by the laboratory on 11/14/24 8:26.

Cardinal Laboratories is accredited through Texas NELAP under certificate number TX-C24-00112. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (\*). For a complete list of accredited analytes and matrices visit the TCEQ website at <a href="https://www.tceq.texas.gov/field/ga/lab\_accred\_certif.html">www.tceq.texas.gov/field/ga/lab\_accred\_certif.html</a>.

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

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

Accreditation applies to public drinking water matrices.

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

Sincerely,

Celez D. Keine

Celey D. Keene Lab Director/Quality Manager



# Analytical Results For:

		PIMA ENVIROMENTAL SEBASTIAN OROZCO 1601 N TURNER STE. 500 HOBBS NM, 88240 Fax To:		
Received:	11/14/2024		Sampling Date:	11/11/2024
Reported:	11/20/2024		Sampling Type:	Soil
Project Name:	WEST PEARL QUEE	N	Sampling Condition:	Cool & Intact
Project Number:	19-12		Sample Received By:	Shalyn Rodriguez
Project Location:	ARMSTRONG-EDDY	COUNTY		

# Sample ID: CS 71 - BOTTOM (H246940-01)

BTEX 8021B	mg/	kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifie
Benzene*	<0.050	0.050	11/16/2024	ND	2.22	111	2.00	7.15	
Toluene*	<0.050	0.050	11/16/2024	ND	2.14	107	2.00	4.15	
Ethylbenzene*	<0.050	0.050	11/16/2024	ND	2.21	111	2.00	3.06	
Total Xylenes*	<0.150	0.150	11/16/2024	ND	6.46	108	6.00	2.12	
Total BTEX	<0.300	0.300	11/16/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	106 9	% 71.5-13	4						
Chloride, SM4500Cl-B	mg/	mg/kg Analyzed By: AC							
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	16.0	16.0	11/15/2024	ND	400	100	400	7.69	
TPH 8015M	mg/	'kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/15/2024	ND	194	96.8	200	0.615	
DRO >C10-C28*	<10.0	10.0	11/15/2024	ND	193	96.4	200	2.90	
EXT DRO >C28-C36	<10.0	10.0	11/15/2024	ND					
Surrogate: 1-Chlorooctane	119 9	48.2-13	4						
Surrogate: 1-Chlorooctadecane	105 9	% 49.1-14	0						

## Cardinal Laboratories

\*=Accredited Analyte

Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



# Analytical Results For:

Received:11/14/2024Sampling Date:11/11/2024Reported:11/20/2024Sampling Type:SoilProject Name:WEST PEARL QUEENSampling Condition:Cool & IntactProject Number:19-12Sample Received By:Shalyn Rodriguez		PIMA ENVIROMEN SEBASTIAN OROZ 1601 N TURNER HOBBS NM, 88240 Fax To:	ZCO STE. 500	
Project Location: ARMSTRONG-EDDY COUNTY	Reported: Project Name: Project Number:	11/20/2024 WEST PEARL QUEEN 19-12	Sampling Type: Sampling Condition:	Soil Cool & Intact

## Sample ID: CS 72 - BOTTOM (H246940-02)

BTEX 8021B	mg/	/kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/16/2024	ND	2.22	111	2.00	7.15	
Toluene*	<0.050	0.050	11/16/2024	ND	2.14	107	2.00	4.15	
Ethylbenzene*	<0.050	0.050	11/16/2024	ND	2.21	111	2.00	3.06	
Total Xylenes*	<0.150	0.150	11/16/2024	ND	6.46	108	6.00	2.12	
Total BTEX	<0.300	0.300	11/16/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	111 9	% 71.5-13	4						
Chloride, SM4500Cl-B	mg,	/kg	Analyze	Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	16.0	16.0	11/15/2024	ND	400	100	400	7.69	
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/15/2024	ND	194	96.8	200	0.615	
DRO >C10-C28*	<10.0	10.0	11/15/2024	ND	193	96.4	200	2.90	
EXT DRO >C28-C36	<10.0	10.0	11/15/2024	ND					
Surrogate: 1-Chlorooctane	119 9	48.2-13	4						
Surrogate: 1-Chlorooctadecane	105	% 49.1-14	8						

#### Cardinal Laboratories

#### \*=Accredited Analyte

Celez D. Keine

Celey D. Keene, Lab Director/Quality Manager



# Analytical Results For:

	PIMA ENVIROMENTAL SEBASTIAN OROZCO 1601 N TURNER STE. 5 HOBBS NM, 88240 Fax To:	00	
Received: Reported:	11/14/2024 11/20/2024	Sampling Date: Sampling Type:	11/11/2024 Soil
Project Name: Project Number: Project Location:	WEST PEARL QUEEN 19-12 ARMSTRONG-EDDY COUNTY	Sampling Condition: Sample Received By:	Cool & Intact Shalyn Rodriguez

# Sample ID: CS 73 - BOTTOM (H246940-03)

BTEX 8021B	mg/	'kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/16/2024	ND	2.22	111	2.00	7.15	
Toluene*	<0.050	0.050	11/16/2024	ND	2.14	107	2.00	4.15	
Ethylbenzene*	<0.050	0.050	11/16/2024	ND	2.21	111	2.00	3.06	
Total Xylenes*	<0.150	0.150	11/16/2024	ND	6.46	108	6.00	2.12	
Total BTEX	<0.300	0.300	11/16/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	110 9	% 71.5-13	4						
Chloride, SM4500Cl-B	mg/	mg/kg Analyzed By: AC		d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	11/15/2024	ND	400	100	400	7.69	
TPH 8015M	mg/	kg	Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/15/2024	ND	199	99.7	200	2.97	
DRO >C10-C28*	<10.0	10.0	11/15/2024	ND	191	95.5	200	2.29	
EXT DRO >C28-C36	<10.0	10.0	11/15/2024	ND					
Surrogate: 1-Chlorooctane	85.3	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	83.8	% 49.1-14	8						

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#### \*=Accredited Analyte

Celez D. Keine

Celey D. Keene, Lab Director/Quality Manager



# Analytical Results For:

	PIMA ENVIROMENTAL SEBASTIAN OROZCO 1601 N TURNER STE. 5 HOBBS NM, 88240 Fax To:	00	
Received: Reported:	11/14/2024 11/20/2024	Sampling Date: Sampling Type:	11/11/2024 Soil
Project Name: Project Number: Project Location:	WEST PEARL QUEEN 19-12 ARMSTRONG-EDDY COUNTY	Sampling Condition: Sample Received By:	Cool & Intact Shalyn Rodriguez

# Sample ID: CS 74 - BOTTOM (H246940-04)

BTEX 8021B	mg/	/kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/16/2024	ND	2.22	111	2.00	7.15	
Toluene*	<0.050	0.050	11/16/2024	ND	2.14	107	2.00	4.15	
Ethylbenzene*	<0.050	0.050	11/16/2024	ND	2.21	111	2.00	3.06	
Total Xylenes*	<0.150	0.150	11/16/2024	ND	6.46	108	6.00	2.12	
Total BTEX	<0.300	0.300	11/16/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	108 9	% 71.5-13	4						
Chloride, SM4500Cl-B	mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	11/15/2024	ND	400	100	400	7.69	
TPH 8015M	mg/	/kg	Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/15/2024	ND	199	99.7	200	2.97	
DRO >C10-C28*	<10.0	10.0	11/15/2024	ND	191	95.5	200	2.29	
EXT DRO >C28-C36	<10.0	10.0	11/15/2024	ND					
Surrogate: 1-Chlorooctane	88.1	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	85.7	% 49.1-14	0						

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#### \*=Accredited Analyte

Celez D. Keine

Celey D. Keene, Lab Director/Quality Manager



# Analytical Results For:

		PIMA ENVIROMENTAL SEBASTIAN OROZCO 1601 N TURNER STE. 500 HOBBS NM, 88240 Fax To:		
Received:	11/14/2024		Sampling Date:	11/11/2024
Reported:	11/20/2024		Sampling Type:	Soil
Project Name:	WEST PEARL QUEE	N	Sampling Condition:	Cool & Intact
Project Number:	19-12		Sample Received By:	Shalyn Rodriguez
Project Location:	ARMSTRONG-EDDY	COUNTY		

# Sample ID: CS 75 - BOTTOM (H246940-05)

BTEX 8021B	mg/	/kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/16/2024	ND	2.22	111	2.00	7.15	
Toluene*	<0.050	0.050	11/16/2024	ND	2.14	107	2.00	4.15	
Ethylbenzene*	<0.050	0.050	11/16/2024	ND	2.21	111	2.00	3.06	
Total Xylenes*	<0.150	0.150	11/16/2024	ND	6.46	108	6.00	2.12	
Total BTEX	<0.300	0.300	11/16/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	113 9	% 71.5-13	4						
Chloride, SM4500Cl-B	mg,	/kg	Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	11/15/2024	ND	400	100	400	7.69	
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/15/2024	ND	199	99.7	200	2.97	
DRO >C10-C28*	<10.0	10.0	11/15/2024	ND	191	95.5	200	2.29	
EXT DRO >C28-C36	<10.0	10.0	11/15/2024	ND					
Surrogate: 1-Chlorooctane	92.3	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	90.0	% 49.1-14	0						

#### Cardinal Laboratories

#### \*=Accredited Analyte

Celez D. Keine

Celey D. Keene, Lab Director/Quality Manager



# Analytical Results For:

		PIMA ENVIROMENTAL SEBASTIAN OROZCO 1601 N TURNER STE. 500 HOBBS NM, 88240 Fax To:		
Received:	11/14/2024		Sampling Date:	11/11/2024
Reported:	11/20/2024		Sampling Type:	Soil
Project Name:	WEST PEARL QUEE	N	Sampling Condition:	Cool & Intact
Project Number:	19-12		Sample Received By:	Shalyn Rodriguez
Project Location:	ARMSTRONG-EDDY	COUNTY		

# Sample ID: CS 76 - BOTTOM (H246940-06)

BTEX 8021B	mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/16/2024	ND	2.22	111	2.00	7.15	
Toluene*	<0.050	0.050	11/16/2024	ND	2.14	107	2.00	4.15	
Ethylbenzene*	<0.050	0.050	11/16/2024	ND	2.21	111	2.00	3.06	
Total Xylenes*	<0.150	0.150	11/16/2024	ND	6.46	108	6.00	2.12	
Total BTEX	<0.300	0.300	11/16/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	110 9	% 71.5-13	4						
Chloride, SM4500Cl-B	mg/	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	11/15/2024	ND	400	100	400	7.69	
TPH 8015M	mg/	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/15/2024	ND	199	99.7	200	2.97	
DRO >C10-C28*	<10.0	10.0	11/15/2024	ND	191	95.5	200	2.29	
EXT DRO >C28-C36	<10.0	10.0	11/15/2024	ND					
Surrogate: 1-Chlorooctane	91.1	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	88.2	% 49.1-14	8						

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#### \*=Accredited Analyte

Celez D. Keine

Celey D. Keene, Lab Director/Quality Manager



# Analytical Results For:

		PIMA ENVIROMENTAL SEBASTIAN OROZCO 1601 N TURNER STE. 500 HOBBS NM, 88240 Fax To:		
Received: Reported:	11/14/2024 11/20/2024		Sampling Date: Sampling Type:	11/11/2024 Soil
Project Name:	WEST PEARL QUEEN		Sampling Condition:	Cool & Intact
Project Number: Project Location:	19-12 Armstrong-eddy c	COUNTY	Sample Received By:	Shalyn Rodriguez

# Sample ID: CS 77 - BOTTOM (H246940-07)

BTEX 8021B	mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/16/2024	ND	2.22	111	2.00	7.15	
Toluene*	<0.050	0.050	11/16/2024	ND	2.14	107	2.00	4.15	
Ethylbenzene*	<0.050	0.050	11/16/2024	ND	2.21	111	2.00	3.06	
Total Xylenes*	<0.150	0.150	11/16/2024	ND	6.46	108	6.00	2.12	
Total BTEX	<0.300	0.300	11/16/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	106 9	% 71.5-13	4						
Chloride, SM4500Cl-B	mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	11/15/2024	ND	400	100	400	7.69	
TPH 8015M	mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/15/2024	ND	199	99.7	200	2.97	
DRO >C10-C28*	<10.0	10.0	11/15/2024	ND	191	95.5	200	2.29	
EXT DRO >C28-C36	<10.0	10.0	11/15/2024	ND					
Surrogate: 1-Chlorooctane	89.2 % 48.2-13		4						
Surrogate: 1-Chlorooctadecane	86.5	% 49.1-14	8						

#### Cardinal Laboratories

#### \*=Accredited Analyte

Celez D. Keine

Celey D. Keene, Lab Director/Quality Manager



# Analytical Results For:

		PIMA ENVIROMENTAL SEBASTIAN OROZCO 1601 N TURNER STE. 500 HOBBS NM, 88240 Fax To:		
Received:	11/14/2024		Sampling Date:	11/11/2024
Reported:	11/20/2024		Sampling Type:	Soil
Project Name:	WEST PEARL QUEE	N	Sampling Condition:	Cool & Intact
Project Number:	19-12		Sample Received By:	Shalyn Rodriguez
Project Location:	ARMSTRONG-EDDY	COUNTY		

# Sample ID: CS 78 - BOTTOM (H246940-08)

BTEX 8021B	mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/16/2024	ND	2.22	111	2.00	7.15	
Toluene*	<0.050	0.050	11/16/2024	ND	2.14	107	2.00	4.15	
Ethylbenzene*	<0.050	0.050	11/16/2024	ND	2.21	111	2.00	3.06	
Total Xylenes*	<0.150	0.150	11/16/2024	ND	6.46	108	6.00	2.12	
Total BTEX	<0.300	0.300	11/16/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	110 9	% 71.5-13	4						
Chloride, SM4500Cl-B	mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	11/15/2024	ND	400	100	400	7.69	
TPH 8015M	mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/15/2024	ND	199	99.7	200	2.97	
DRO >C10-C28*	<10.0	10.0	11/15/2024	ND	191	95.5	200	2.29	
EXT DRO >C28-C36	<10.0	10.0	11/15/2024	ND					
Surrogate: 1-Chlorooctane	91.2 % 48.2-13		4						
Surrogate: 1-Chlorooctadecane	88.5	% 49.1-14	0						

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#### \*=Accredited Analyte

Celez D. Keine

Celey D. Keene, Lab Director/Quality Manager


# Analytical Results For:

		PIMA ENVIROMENTAL SEBASTIAN OROZCO 1601 N TURNER STE. 500 HOBBS NM, 88240 Fax To:		
Received:	11/14/2024		Sampling Date:	11/11/2024
Reported:	11/20/2024		Sampling Type:	Soil
Project Name:	WEST PEARL QUEE	N	Sampling Condition:	Cool & Intact
Project Number:	19-12		Sample Received By:	Shalyn Rodriguez
Project Location:	ARMSTRONG-EDDY	COUNTY		

## Sample ID: CS 79 - BOTTOM (H246940-09)

BTEX 8021B	mg/	/kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/16/2024	ND	2.22	111	2.00	7.15	
Toluene*	<0.050	0.050	11/16/2024	ND	2.14	107	2.00	4.15	
Ethylbenzene*	<0.050	0.050	11/16/2024	ND	2.21	111	2.00	3.06	
Total Xylenes*	<0.150	0.150	11/16/2024	ND	6.46	108	6.00	2.12	
Total BTEX	<0.300	0.300	11/16/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	105 9	% 71.5-13	4						
Chloride, SM4500Cl-B	mg/	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	11/15/2024	ND	400	100	400	7.69	
TPH 8015M	mg/	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/15/2024	ND	199	99.7	200	2.97	
DRO >C10-C28*	<10.0	10.0	11/15/2024	ND	191	95.5	200	2.29	
EXT DRO >C28-C36	<10.0	10.0	11/15/2024	ND					
Surrogate: 1-Chlorooctane	95.5	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	92.6	% 49.1-14	8						

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Celez D. Keine

Celey D. Keene, Lab Director/Quality Manager



# Analytical Results For:

	PIMA ENVIROMENTAL SEBASTIAN OROZCO 1601 N TURNER STE. 5 HOBBS NM, 88240 Fax To:	00	
Received: Reported:	11/14/2024 11/20/2024	Sampling Date: Sampling Type:	11/11/2024 Soil
Project Name: Project Number: Project Location:	WEST PEARL QUEEN 19-12 ARMSTRONG-EDDY COUNTY	Sampling Condition: Sample Received By:	Cool & Intact Shalyn Rodriguez

# Sample ID: CS 80 - BOTTOM (H246940-10)

BTEX 8021B	mg/	/kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/16/2024	ND	2.22	111	2.00	7.15	
Toluene*	<0.050	0.050	11/16/2024	ND	2.14	107	2.00	4.15	
Ethylbenzene*	<0.050	0.050	11/16/2024	ND	2.21	111	2.00	3.06	
Total Xylenes*	<0.150	0.150	11/16/2024	ND	6.46	108	6.00	2.12	
Total BTEX	<0.300	0.300	11/16/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	112 9	% 71.5-13	4						
Chloride, SM4500Cl-B	mg/	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	11/15/2024	ND	400	100	400	7.69	
TPH 8015M	mg/	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/15/2024	ND	199	99.7	200	2.97	
DRO >C10-C28*	<10.0	10.0	11/15/2024	ND	191	95.5	200	2.29	
EXT DRO >C28-C36	<10.0	10.0	11/15/2024	ND					
Surrogate: 1-Chlorooctane	90.4	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	88.5	% 49.1-14	8						

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Celey D. Keene, Lab Director/Quality Manager



# Analytical Results For:

Received:11/14/2024Sampling Date:11/11/2024Reported:11/20/2024Sampling Type:SoilProject Name:WEST PEARL QUEENSampling Condition:Cool & IntactProject Number:19-12Sample Received By:Shalyn Rodriguez		PIMA ENVIROMEN SEBASTIAN OROZ 1601 N TURNER HOBBS NM, 88240 Fax To:	ZCO STE. 500	
Project Location: ARMSTRONG-EDDY COUNTY	Reported: Project Name: Project Number:	11/20/2024 WEST PEARL QUEEN 19-12	Sampling Type: Sampling Condition:	Soil Cool & Intact

## Sample ID: CS 81 - BOTTOM (H246940-11)

BTEX 8021B	mg/	/kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/16/2024	ND	2.22	111	2.00	7.15	
Toluene*	<0.050	0.050	11/16/2024	ND	2.14	107	2.00	4.15	
Ethylbenzene*	<0.050	0.050	11/16/2024	ND	2.21	111	2.00	3.06	
Total Xylenes*	<0.150	0.150	11/16/2024	ND	6.46	108	6.00	2.12	
Total BTEX	<0.300	0.300	11/16/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	105 9	% 71.5-13	4						
Chloride, SM4500Cl-B	mg/	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	11/15/2024	ND	400	100	400	7.69	
TPH 8015M	mg/	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/15/2024	ND	199	99.7	200	2.97	
DRO >C10-C28*	<10.0	10.0	11/15/2024	ND	191	95.5	200	2.29	
EXT DRO >C28-C36	<10.0	10.0	11/15/2024	ND					
Surrogate: 1-Chlorooctane	93.4	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	89. <i>3</i>	% 49.1-14	8						

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Celey D. Keene, Lab Director/Quality Manager



# Analytical Results For:

		PIMA ENVIROMENTAL SEBASTIAN OROZCO 1601 N TURNER STE. 500 HOBBS NM, 88240 Fax To:		
Received: Reported:	11/14/2024 11/20/2024		Sampling Date: Sampling Type:	11/11/2024 Soil
Project Name:	WEST PEARL QUEEN		Sampling Condition:	Cool & Intact
Project Number: Project Location:	19-12 Armstrong-eddy c	COUNTY	Sample Received By:	Shalyn Rodriguez

## Sample ID: CS 82 - BOTTOM (H246940-12)

BTEX 8021B	mg/	′kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/16/2024	ND	2.22	111	2.00	7.15	
Toluene*	<0.050	0.050	11/16/2024	ND	2.14	107	2.00	4.15	
Ethylbenzene*	<0.050	0.050	11/16/2024	ND	2.21	111	2.00	3.06	
Total Xylenes*	<0.150	0.150	11/16/2024	ND	6.46	108	6.00	2.12	
Total BTEX	<0.300	0.300	11/16/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	110 9	% 71.5-13	4						
Chloride, SM4500Cl-B	mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	11/15/2024	ND	400	100	400	7.69	
TPH 8015M	mg/	′kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/15/2024	ND	199	99.7	200	2.97	
DRO >C10-C28*	<10.0	10.0	11/15/2024	ND	191	95.5	200	2.29	
EXT DRO >C28-C36	<10.0	10.0	11/15/2024	ND					
Surrogate: 1-Chlorooctane	97.3	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	93.6	% 49.1-14	8						

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Celez D. Keine

Celey D. Keene, Lab Director/Quality Manager



# Analytical Results For:

Received:11/14/2024Sampling Date:11/11/2024Reported:11/20/2024Sampling Type:SoilProject Name:WEST PEARL QUEENSampling Condition:Cool & IntactProject Number:19-12Sample Received By:Shalyn Rodriguez		PIMA ENVIROMEN SEBASTIAN OROZ 1601 N TURNER HOBBS NM, 88240 Fax To:	ZCO STE. 500	
Project Location: ARMSTRONG-EDDY COUNTY	Reported: Project Name: Project Number:	11/20/2024 WEST PEARL QUEEN 19-12	Sampling Type: Sampling Condition:	Soil Cool & Intact

#### Sample ID: CS 83 - BOTTOM (H246940-13)

BTEX 8021B	mg/	/kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/16/2024	ND	2.22	111	2.00	7.15	
Toluene*	<0.050	0.050	11/16/2024	ND	2.14	107	2.00	4.15	
Ethylbenzene*	<0.050	0.050	11/16/2024	ND	2.21	111	2.00	3.06	
Total Xylenes*	<0.150	0.150	11/16/2024	ND	6.46	108	6.00	2.12	
Total BTEX	<0.300	0.300	11/16/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	107 9	% 71.5-13	4						
Chloride, SM4500Cl-B	mg/	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	11/15/2024	ND	400	100	400	7.69	
TPH 8015M	mg/	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/15/2024	ND	199	99.7	200	2.97	
DRO >C10-C28*	<10.0	10.0	11/15/2024	ND	191	95.5	200	2.29	
EXT DRO >C28-C36	<10.0	10.0	11/15/2024	ND					
Surrogate: 1-Chlorooctane	92.1	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	89.8	% 49.1-14	8						

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Celey D. Keene, Lab Director/Quality Manager



# Analytical Results For:

		PIMA ENVIROMENTAL SEBASTIAN OROZCO 1601 N TURNER STE. 500 HOBBS NM, 88240 Fax To:		
Received: Reported:	11/14/2024 11/20/2024		Sampling Date: Sampling Type:	11/11/2024 Soil
Project Name:	WEST PEARL QUEEN		Sampling Condition:	Cool & Intact
Project Number: Project Location:	19-12 Armstrong-eddy c	COUNTY	Sample Received By:	Shalyn Rodriguez

## Sample ID: CS 84 - BOTTOM (H246940-14)

BTEX 8021B	mg/	′kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/16/2024	ND	2.22	111	2.00	7.15	
Toluene*	<0.050	0.050	11/16/2024	ND	2.14	107	2.00	4.15	
Ethylbenzene*	<0.050	0.050	11/16/2024	ND	2.21	111	2.00	3.06	
Total Xylenes*	<0.150	0.150	11/16/2024	ND	6.46	108	6.00	2.12	
Total BTEX	<0.300	0.300	11/16/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	106 9	% 71.5-13	4						
Chloride, SM4500Cl-B	mg/	′kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	11/15/2024	ND	400	100	400	7.69	
TPH 8015M	mg/	′kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/15/2024	ND	199	99.7	200	2.97	
DRO >C10-C28*	<10.0	10.0	11/15/2024	ND	191	95.5	200	2.29	
EXT DRO >C28-C36	<10.0	10.0	11/15/2024	ND					
Surrogate: 1-Chlorooctane	91.3	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	87.9	% 49.1-14	8						

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Celez D. Keine

Celey D. Keene, Lab Director/Quality Manager



# Analytical Results For:

	PIMA ENVIROMENTAL SEBASTIAN OROZCO 1601 N TURNER STE. 5 HOBBS NM, 88240 Fax To:	00	
Received: Reported:	11/14/2024 11/20/2024	Sampling Date: Sampling Type:	11/11/2024 Soil
Project Name: Project Number: Project Location:	WEST PEARL QUEEN 19-12 ARMSTRONG-EDDY COUNTY	Sampling Condition: Sample Received By:	Cool & Intact Shalyn Rodriguez

## Sample ID: CS 85 - BOTTOM (H246940-15)

BTEX 8021B	mg/kg		Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/16/2024	ND	2.22	111	2.00	7.15	
Toluene*	<0.050	0.050	11/16/2024	ND	2.14	107	2.00	4.15	
Ethylbenzene*	<0.050	0.050	11/16/2024	ND	2.21	111	2.00	3.06	
Total Xylenes*	<0.150	0.150	11/16/2024	ND	6.46	108	6.00	2.12	
Total BTEX	<0.300	0.300	11/16/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	128 9	% 71.5-13	4						
Chloride, SM4500Cl-B	mg/	′kg	Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	11/15/2024	ND	400	100	400	7.69	
TPH 8015M	mg/	′kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/15/2024	ND	199	99.7	200	2.97	
DRO >C10-C28*	<10.0	10.0	11/15/2024	ND	191	95.5	200	2.29	
EXT DRO >C28-C36	<10.0	10.0	11/15/2024	ND					
Surrogate: 1-Chlorooctane	90.4	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	90.5	% 49.1-14	8						

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Celey D. Keene, Lab Director/Quality Manager



# Analytical Results For:

		PIMA ENVIROMENTAL SEBASTIAN OROZCO 1601 N TURNER STE. 500 HOBBS NM, 88240 Fax To:		
Received:	11/14/2024		Sampling Date:	11/11/2024
Reported:	11/20/2024		Sampling Type:	Soil
Project Name:	WEST PEARL QUEE	N	Sampling Condition:	Cool & Intact
Project Number:	19-12		Sample Received By:	Shalyn Rodriguez
Project Location:	ARMSTRONG-EDDY	COUNTY		

## Sample ID: CS 86 - BOTTOM (H246940-16)

BTEX 8021B	mg/kg		Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/16/2024	ND	2.22	111	2.00	7.15	
Toluene*	<0.050	0.050	11/16/2024	ND	2.14	107	2.00	4.15	
Ethylbenzene*	<0.050	0.050	11/16/2024	ND	2.21	111	2.00	3.06	
Total Xylenes*	<0.150	0.150	11/16/2024	ND	6.46	108	6.00	2.12	
Total BTEX	<0.300	0.300	11/16/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	107 9	% 71.5-13	4						
Chloride, SM4500Cl-B	mg/	/kg	Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	11/15/2024	ND	400	100	400	7.69	
TPH 8015M	mg/	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/15/2024	ND	199	99.7	200	2.97	
DRO >C10-C28*	<10.0	10.0	11/15/2024	ND	191	95.5	200	2.29	
EXT DRO >C28-C36	<10.0	10.0	11/15/2024	ND					
Surrogate: 1-Chlorooctane	93.7	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	90.8	% 49.1-14	8						

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Celey D. Keene, Lab Director/Quality Manager



# Analytical Results For:

	SEBA 1601	A ENVIROMENTAL ASTIAN OROZCO . N TURNER STE. 500 BS NM, 88240 To:		
Received:	11/14/2024		Sampling Date:	11/11/2024
Reported:	11/20/2024		Sampling Type:	Soil
Project Name:	WEST PEARL QUEEN		Sampling Condition:	Cool & Intact
Project Number:	19-12		Sample Received By:	Shalyn Rodriguez
Project Location:	ARMSTRONG-EDDY COUN	TY		

## Sample ID: CSW 1 (H246940-17)

BTEX 8021B	mg	/kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/16/2024	ND	2.22	111	2.00	7.15	
Toluene*	<0.050	0.050	11/16/2024	ND	2.14	107	2.00	4.15	
Ethylbenzene*	<0.050	0.050	11/16/2024	ND	2.21	111	2.00	3.06	
Total Xylenes*	<0.150	0.150	11/16/2024	ND	6.46	108	6.00	2.12	
Total BTEX	<0.300	0.300	11/16/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	110 9	% 71.5-13	4						
Chloride, SM4500Cl-B	mg,	/kg	Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	11/15/2024	ND	400	100	400	7.69	
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/15/2024	ND	199	99.7	200	2.97	
DRO >C10-C28*	<10.0	10.0	11/15/2024	ND	191	95.5	200	2.29	
EXT DRO >C28-C36	<10.0	10.0	11/15/2024	ND					
Surrogate: 1-Chlorooctane	96.1	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	93.1	% 49.1-14	8						

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Celez D. Keine

Celey D. Keene, Lab Director/Quality Manager



# Analytical Results For:

	SI 10 H	IMA ENVIROMENTAL EBASTIAN OROZCO 601 N TURNER STE. 500 IOBBS NM, 88240 ax To:		
Received:	11/14/2024		Sampling Date:	11/11/2024
Reported:	11/20/2024		Sampling Type:	Soil
Project Name:	WEST PEARL QUEEN		Sampling Condition:	Cool & Intact
Project Number:	19-12		Sample Received By:	Shalyn Rodriguez
Project Location:	ARMSTRONG-EDDY CO	DUNTY		

## Sample ID: CSW 2 (H246940-18)

BTEX 8021B	mg,	/kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/16/2024	ND	2.22	111	2.00	7.15	
Toluene*	<0.050	0.050	11/16/2024	ND	2.14	107	2.00	4.15	
Ethylbenzene*	<0.050	0.050	11/16/2024	ND	2.21	111	2.00	3.06	
Total Xylenes*	<0.150	0.150	11/16/2024	ND	6.46	108	6.00	2.12	
Total BTEX	<0.300	0.300	11/16/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	108	% 71.5-13	4						
Chloride, SM4500Cl-B	mg,	/kg	Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	11/15/2024	ND	400	100	400	7.69	
TPH 8015M	mg/	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/15/2024	ND	199	99.7	200	2.97	
DRO >C10-C28*	<10.0	10.0	11/15/2024	ND	191	95.5	200	2.29	
EXT DRO >C28-C36	<10.0	10.0	11/15/2024	ND					
Surrogate: 1-Chlorooctane	96.1	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	92.6	% 49.1-14	8						

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#### \*=Accredited Analyte

Celez D. Keine

Celey D. Keene, Lab Director/Quality Manager



# Analytical Results For:

		PIMA ENVIROMENTAL SEBASTIAN OROZCO 1601 N TURNER STE. 500 HOBBS NM, 88240 Fax To:		
Received:	11/14/2024		Sampling Date:	11/11/2024
Reported:	11/20/2024		Sampling Type:	Soil
Project Name:	WEST PEARL QUEEN	1	Sampling Condition:	Cool & Intact
Project Number:	19-12		Sample Received By:	Shalyn Rodriguez
Project Location:	ARMSTRONG-EDDY	COUNTY		

## Sample ID: CSW 3 (H246940-19)

BTEX 8021B	mg,	/kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/15/2024	ND	2.10	105	2.00	2.96	
Toluene*	<0.050	0.050	11/15/2024	ND	2.03	101	2.00	2.41	
Ethylbenzene*	<0.050	0.050	11/15/2024	ND	2.04	102	2.00	1.30	
Total Xylenes*	<0.150	0.150	11/15/2024	ND	6.05	101	6.00	1.37	
Total BTEX	<0.300	0.300	11/15/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	97.9	% 71.5-13	4						
Chloride, SM4500Cl-B	mg,	/kg	Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	11/15/2024	ND	400	100	400	7.69	
TPH 8015M	mg/	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/15/2024	ND	199	99.7	200	2.97	
DRO >C10-C28*	<10.0	10.0	11/15/2024	ND	191	95.5	200	2.29	
EXT DRO >C28-C36	<10.0	10.0	11/15/2024	ND					
Surrogate: 1-Chlorooctane	96.0	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	92.1	% 49.1-14	8						

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Celey D. Keene, Lab Director/Quality Manager



# Analytical Results For:

		PIMA ENVIROMENTAL SEBASTIAN OROZCO 1601 N TURNER STE. 500 HOBBS NM, 88240 Fax To:		
Received:	11/14/2024		Sampling Date:	11/11/2024
Reported:	11/20/2024		Sampling Type:	Soil
Project Name:	WEST PEARL QUEEN	١	Sampling Condition:	Cool & Intact
Project Number:	19-12		Sample Received By:	Shalyn Rodriguez
Project Location:	ARMSTRONG-EDDY	COUNTY		

## Sample ID: CSW 4 (H246940-20)

BTEX 8021B	mg/	kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/15/2024	ND	2.10	105	2.00	2.96	
Toluene*	<0.050	0.050	11/15/2024	ND	2.03	101	2.00	2.41	
Ethylbenzene*	<0.050	0.050	11/15/2024	ND	2.04	102	2.00	1.30	
Total Xylenes*	<0.150	0.150	11/15/2024	ND	6.05	101	6.00	1.37	
Total BTEX	<0.300	0.300	11/15/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	94.4	% 71.5-13	4						
Chloride, SM4500Cl-B	mg/	'kg	Analyzed By: CT						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	16.0	16.0	11/15/2024	ND	416	104	400	7.41	
TPH 8015M	mg/	'kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/15/2024	ND	199	99.7	200	2.97	
DRO >C10-C28*	<10.0	10.0	11/15/2024	ND	191	95.5	200	2.29	
EXT DRO >C28-C36	<10.0	10.0	11/15/2024	ND					
Surrogate: 1-Chlorooctane	98.5	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	94.9	% 49.1-14	8						

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# Analytical Results For:

	PIMA ENVIROME SEBASTIAN ORO 1601 N TURNER HOBBS NM, 8824 Fax To:	ZCO STE. 500	
Received:	11/14/2024	Sampling Date:	11/11/2024
Reported:	11/20/2024	Sampling Type:	Soil
Project Name:	WEST PEARL QUEEN	Sampling Condition:	Cool & Intact
Project Number:	19-12	Sample Received By:	Shalyn Rodriguez
Project Location:	ARMSTRONG-EDDY COUNTY		

## Sample ID: CSW 5 (H246940-21)

BTEX 8021B	mg,	/kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/16/2024	ND	2.10	105	2.00	2.96	
Toluene*	<0.050	0.050	11/16/2024	ND	2.03	101	2.00	2.41	
Ethylbenzene*	<0.050	0.050	11/16/2024	ND	2.04	102	2.00	1.30	
Total Xylenes*	<0.150	0.150	11/16/2024	ND	6.05	101	6.00	1.37	
Total BTEX	<0.300	0.300	11/16/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	94.8	% 71.5-13	4						
Chloride, SM4500Cl-B	mg,	/kg	Analyzed By: CT						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	16.0	16.0	11/18/2024	ND	416	104	400	7.41	
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/15/2024	ND	199	99.7	200	2.97	
DRO >C10-C28*	<10.0	10.0	11/15/2024	ND	191	95.5	200	2.29	
EXT DRO >C28-C36	<10.0	10.0	11/15/2024	ND					
Surrogate: 1-Chlorooctane	103	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	99.5	% 49.1-14	8						

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Celey D. Keene, Lab Director/Quality Manager



# Analytical Results For:

	SEBA 1601	A ENVIROMENTAL ASTIAN OROZCO . N TURNER STE. 500 BS NM, 88240 To:		
Received:	11/14/2024		Sampling Date:	11/11/2024
Reported:	11/20/2024		Sampling Type:	Soil
Project Name:	WEST PEARL QUEEN		Sampling Condition:	Cool & Intact
Project Number:	19-12		Sample Received By:	Shalyn Rodriguez
Project Location:	ARMSTRONG-EDDY COUN	TY		

## Sample ID: CSW 6 (H246940-22)

BTEX 8021B	mg/	kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/16/2024	ND	2.10	105	2.00	2.96	
Toluene*	<0.050	0.050	11/16/2024	ND	2.03	101	2.00	2.41	
Ethylbenzene*	<0.050	0.050	11/16/2024	ND	2.04	102	2.00	1.30	
Total Xylenes*	<0.150	0.150	11/16/2024	ND	6.05	101	6.00	1.37	
Total BTEX	<0.300	0.300	11/16/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	96.3	% 71.5-13	4						
Chloride, SM4500Cl-B	mg/	'kg	Analyzed By: CT						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	16.0	16.0	11/18/2024	ND	416	104	400	7.41	
TPH 8015M	mg/	'kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/15/2024	ND	199	99.7	200	2.97	
DRO >C10-C28*	<10.0	10.0	11/15/2024	ND	191	95.5	200	2.29	
EXT DRO >C28-C36	<10.0	10.0	11/15/2024	ND					
Surrogate: 1-Chlorooctane	91.1	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	87.5	% 49.1-14	8						

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# Analytical Results For:

	PIMA ENVIROME SEBASTIAN ORO 1601 N TURNER HOBBS NM, 8824 Fax To:	ZCO STE. 500	
Received:	11/14/2024	Sampling Date:	11/11/2024
Reported:	11/20/2024	Sampling Type:	Soil
Project Name:	WEST PEARL QUEEN	Sampling Condition:	Cool & Intact
Project Number:	19-12	Sample Received By:	Shalyn Rodriguez
Project Location:	ARMSTRONG-EDDY COUNTY		

## Sample ID: CSW 7 (H246940-23)

BTEX 8021B	mg,	/kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/16/2024	ND	2.10	105	2.00	2.96	
Toluene*	<0.050	0.050	11/16/2024	ND	2.03	101	2.00	2.41	
Ethylbenzene*	<0.050	0.050	11/16/2024	ND	2.04	102	2.00	1.30	
Total Xylenes*	<0.150	0.150	11/16/2024	ND	6.05	101	6.00	1.37	
Total BTEX	<0.300	0.300	11/16/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	96.7	% 71.5-13	4						
Chloride, SM4500Cl-B	mg,	/kg	Analyzed By: CT						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	16.0	16.0	11/18/2024	ND	416	104	400	7.41	
TPH 8015M	mg/	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/15/2024	ND	201	101	200	0.217	
DRO >C10-C28*	<10.0	10.0	11/15/2024	ND	173	86.6	200	2.85	
EXT DRO >C28-C36	<10.0	10.0	11/15/2024	ND					
Surrogate: 1-Chlorooctane	103	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	104	% 49.1-14	8						

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# Analytical Results For:

	PIMA ENVIROME SEBASTIAN ORO 1601 N TURNER HOBBS NM, 8824 Fax To:	ZCO STE. 500	
Received:	11/14/2024	Sampling Date:	11/11/2024
Reported:	11/20/2024	Sampling Type:	Soil
Project Name:	WEST PEARL QUEEN	Sampling Condition:	Cool & Intact
Project Number:	19-12	Sample Received By:	Shalyn Rodriguez
Project Location:	ARMSTRONG-EDDY COUNTY		

## Sample ID: CSW 8 (H246940-24)

BTEX 8021B	mg/	′kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifie
Benzene*	<0.050	0.050	11/16/2024	ND	2.10	105	2.00	2.96	
Toluene*	<0.050	0.050	11/16/2024	ND	2.03	101	2.00	2.41	
Ethylbenzene*	<0.050	0.050	11/16/2024	ND	2.04	102	2.00	1.30	
Total Xylenes*	<0.150	0.150	11/16/2024	ND	6.05	101	6.00	1.37	
Total BTEX	<0.300	0.300	11/16/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	96.3	% 71.5-13	4						
Chloride, SM4500Cl-B	mg/	′kg	Analyzed By: CT						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	11/18/2024	ND	416	104	400	7.41	
TPH 8015M	mg,	′kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/15/2024	ND	201	101	200	0.217	
DRO >C10-C28*	<10.0	10.0	11/15/2024	ND	173	86.6	200	2.85	
EXT DRO >C28-C36	<10.0	10.0	11/15/2024	ND					
Surrogate: 1-Chlorooctane	105	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	104	% 49.1-14	8						

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# Analytical Results For:

	SI 10 H	IMA ENVIROMENTAL EBASTIAN OROZCO 601 N TURNER STE. 500 IOBBS NM, 88240 ax To:		
Received:	11/14/2024		Sampling Date:	11/11/2024
Reported:	11/20/2024		Sampling Type:	Soil
Project Name:	WEST PEARL QUEEN		Sampling Condition:	Cool & Intact
Project Number:	19-12		Sample Received By:	Shalyn Rodriguez
Project Location:	ARMSTRONG-EDDY CO	DUNTY		

## Sample ID: CSW 9 (H246940-25)

BTEX 8021B	mg/	′kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifie
Benzene*	<0.050	0.050	11/16/2024	ND	2.10	105	2.00	2.96	
Toluene*	<0.050	0.050	11/16/2024	ND	2.03	101	2.00	2.41	
Ethylbenzene*	<0.050	0.050	11/16/2024	ND	2.04	102	2.00	1.30	
Total Xylenes*	<0.150	0.150	11/16/2024	ND	6.05	101	6.00	1.37	
Total BTEX	<0.300	0.300	11/16/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	96.5	% 71.5-13	4						
Chloride, SM4500Cl-B	mg/	′kg	Analyzed By: CT						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	16.0	16.0	11/18/2024	ND	416	104	400	7.41	
TPH 8015M	mg/	′kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/15/2024	ND	201	101	200	0.217	
DRO >C10-C28*	<10.0	10.0	11/15/2024	ND	173	86.6	200	2.85	
EXT DRO >C28-C36	<10.0	10.0	11/15/2024	ND					
Surrogate: 1-Chlorooctane	104 9	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	102 9	% 49.1-14	8						

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Celey D. Keene, Lab Director/Quality Manager



# Analytical Results For:

	SE 16 HC	MA ENVIROMENTAL EBASTIAN OROZCO 501 N TURNER STE. 500 OBBS NM, 88240 ax To:		
Received:	11/14/2024		Sampling Date:	11/11/2024
Reported:	11/20/2024		Sampling Type:	Soil
Project Name:	WEST PEARL QUEEN		Sampling Condition:	Cool & Intact
Project Number:	19-12		Sample Received By:	Shalyn Rodriguez
Project Location:	ARMSTRONG-EDDY COU	UNTY		

## Sample ID: CSW 10 (H246940-26)

BTEX 8021B	mg,	/kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/16/2024	ND	2.10	105	2.00	2.96	
Toluene*	<0.050	0.050	11/16/2024	ND	2.03	101	2.00	2.41	
Ethylbenzene*	<0.050	0.050	11/16/2024	ND	2.04	102	2.00	1.30	
Total Xylenes*	<0.150	0.150	11/16/2024	ND	6.05	101	6.00	1.37	
Total BTEX	<0.300	0.300	11/16/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	96.4	% 71.5-13	4						
Chloride, SM4500Cl-B	mg,	/kg	Analyzed By: CT						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	16.0	16.0	11/18/2024	ND	416	104	400	7.41	
TPH 8015M	mg/	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/15/2024	ND	201	101	200	0.217	
DRO >C10-C28*	<10.0	10.0	11/15/2024	ND	173	86.6	200	2.85	
EXT DRO >C28-C36	<10.0	10.0	11/15/2024	ND					
Surrogate: 1-Chlorooctane	100	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	100	% 49.1-14	8						

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# Analytical Results For:

	PIMA ENVIROME SEBASTIAN ORO 1601 N TURNER HOBBS NM, 8824 Fax To:	ZCO STE. 500	
Received:	11/14/2024	Sampling Date:	11/11/2024
Reported:	11/20/2024	Sampling Type:	Soil
Project Name:	WEST PEARL QUEEN	Sampling Condition:	Cool & Intact
Project Number:	19-12	Sample Received By:	Shalyn Rodriguez
Project Location:	ARMSTRONG-EDDY COUNTY		

# Sample ID: CSW 11 (H246940-27)

BTEX 8021B	mg,	/kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/16/2024	ND	2.10	105	2.00	2.96	
Toluene*	<0.050	0.050	11/16/2024	ND	2.03	101	2.00	2.41	
Ethylbenzene*	<0.050	0.050	11/16/2024	ND	2.04	102	2.00	1.30	
Total Xylenes*	<0.150	0.150	11/16/2024	ND	6.05	101	6.00	1.37	
Total BTEX	<0.300	0.300	11/16/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	96.2	% 71.5-13	4						
Chloride, SM4500Cl-B	mg,	/kg	Analyzed By: CT						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	16.0	16.0	11/18/2024	ND	416	104	400	7.41	
TPH 8015M	mg/	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/15/2024	ND	201	101	200	0.217	
DRO >C10-C28*	<10.0	10.0	11/15/2024	ND	173	86.6	200	2.85	
EXT DRO >C28-C36	<10.0	10.0	11/15/2024	ND					
Surrogate: 1-Chlorooctane	110 9	48.2-13	4						
Surrogate: 1-Chlorooctadecane	107	% 49.1-14	8						

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Celey D. Keene, Lab Director/Quality Manager



# Analytical Results For:

	SE 16 HC	MA ENVIROMENTAL EBASTIAN OROZCO 501 N TURNER STE. 500 OBBS NM, 88240 ax To:		
Received:	11/14/2024		Sampling Date:	11/11/2024
Reported:	11/20/2024		Sampling Type:	Soil
Project Name:	WEST PEARL QUEEN		Sampling Condition:	Cool & Intact
Project Number:	19-12		Sample Received By:	Shalyn Rodriguez
Project Location:	ARMSTRONG-EDDY COU	UNTY		

## Sample ID: CSW 12 (H246940-28)

BTEX 8021B	mg	/kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/16/2024	ND	2.10	105	2.00	2.96	
Toluene*	<0.050	0.050	11/16/2024	ND	2.03	101	2.00	2.41	
Ethylbenzene*	<0.050	0.050	11/16/2024	ND	2.04	102	2.00	1.30	
Total Xylenes*	<0.150	0.150	11/16/2024	ND	6.05	101	6.00	1.37	
Total BTEX	<0.300	0.300	11/16/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	97.0	% 71.5-13	4						
Chloride, SM4500Cl-B	mg	/kg	Analyzed By: CT						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	16.0	16.0	11/18/2024	ND	416	104	400	7.41	
TPH 8015M	mg	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/15/2024	ND	201	101	200	0.217	
DRO >C10-C28*	<10.0	10.0	11/15/2024	ND	173	86.6	200	2.85	
EXT DRO >C28-C36	<10.0	10.0	11/15/2024	ND					
Surrogate: 1-Chlorooctane	105	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	104	% 49.1-14	8						

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Celey D. Keene, Lab Director/Quality Manager



# Analytical Results For:

	SE 16 HC	MA ENVIROMENTAL EBASTIAN OROZCO 501 N TURNER STE. 500 OBBS NM, 88240 ax To:		
Received:	11/14/2024		Sampling Date:	11/11/2024
Reported:	11/20/2024		Sampling Type:	Soil
Project Name:	WEST PEARL QUEEN		Sampling Condition:	Cool & Intact
Project Number:	19-12		Sample Received By:	Shalyn Rodriguez
Project Location:	ARMSTRONG-EDDY COU	UNTY		

## Sample ID: CSW 13 (H246940-29)

BTEX 8021B	mg/	'kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/16/2024	ND	2.10	105	2.00	2.96	
Toluene*	<0.050	0.050	11/16/2024	ND	2.03	101	2.00	2.41	
Ethylbenzene*	<0.050	0.050	11/16/2024	ND	2.04	102	2.00	1.30	
Total Xylenes*	<0.150	0.150	11/16/2024	ND	6.05	101	6.00	1.37	
Total BTEX	<0.300	0.300	11/16/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	96.3	% 71.5-13	4						
Chloride, SM4500Cl-B	mg/	'kg	Analyzed By: CT						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	16.0	16.0	11/18/2024	ND	416	104	400	7.41	
TPH 8015M	mg/	'kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/15/2024	ND	201	101	200	0.217	
DRO >C10-C28*	<10.0	10.0	11/15/2024	ND	173	86.6	200	2.85	
EXT DRO >C28-C36	<10.0	10.0	11/15/2024	ND					
Surrogate: 1-Chlorooctane	106 9	48.2-13	4						
Surrogate: 1-Chlorooctadecane	107 9	% 49.1-14	8						

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#### \*=Accredited Analyte

Celez D. Keine

Celey D. Keene, Lab Director/Quality Manager



# Analytical Results For:

	SEBAS 1601 N	ENVIROMENTAL TIAN OROZCO I TURNER STE. 500 5 NM, 88240 :			
Received:	11/14/2024		Sampling Date:	11/11/2	024
Reported:	11/20/2024		Sampling Type:	Soil	
Project Name:	WEST PEARL QUEEN		Sampling Condition:	Cool & I	ntact
Project Number:	19-12		Sample Received By:	Shalyn F	Rodriguez
Project Location:	ARMSTRONG-EDDY COUNTY	(			

## Sample ID: CSW 14 (H246940-30)

BTEX 8021B	mg,	/kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/16/2024	ND	2.10	105	2.00	2.96	
Toluene*	<0.050	0.050	11/16/2024	ND	2.03	101	2.00	2.41	
Ethylbenzene*	<0.050	0.050	11/16/2024	ND	2.04	102	2.00	1.30	
Total Xylenes*	<0.150	0.150	11/16/2024	ND	6.05	101	6.00	1.37	
Total BTEX	<0.300	0.300	11/16/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	98.9	% 71.5-13	4						
Chloride, SM4500Cl-B	mg/	/kg	Analyzed By: CT						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	16.0	16.0	11/18/2024	ND	416	104	400	7.41	
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/15/2024	ND	201	101	200	0.217	
DRO >C10-C28*	<10.0	10.0	11/15/2024	ND	173	86.6	200	2.85	
EXT DRO >C28-C36	<10.0	10.0	11/15/2024	ND					
Surrogate: 1-Chlorooctane	106	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	104	% 49.1-14	8						

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#### \*=Accredited Analyte

Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



# Analytical Results For:

	SE 16 HC	IMA ENVIROMENTAL EBASTIAN OROZCO 501 N TURNER STE. 500 OBBS NM, 88240 ax To:		
Received:	11/14/2024		Sampling Date:	11/11/2024
Reported:	11/20/2024		Sampling Type:	Soil
Project Name:	WEST PEARL QUEEN		Sampling Condition:	Cool & Intact
Project Number:	19-12		Sample Received By:	Shalyn Rodriguez
Project Location:	ARMSTRONG-EDDY COU	UNTY		

## Sample ID: CSW 15 (H246940-31)

BTEX 8021B	mg,	/kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/16/2024	ND	2.10	105	2.00	2.96	
Toluene*	<0.050	0.050	11/16/2024	ND	2.03	101	2.00	2.41	
Ethylbenzene*	<0.050	0.050	11/16/2024	ND	2.04	102	2.00	1.30	
Total Xylenes*	<0.150	0.150	11/16/2024	ND	6.05	101	6.00	1.37	
Total BTEX	<0.300	0.300	11/16/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	95.9	% 71.5-13	4						
Chloride, SM4500Cl-B	mg/	/kg	Analyzed By: CT						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	16.0	16.0	11/18/2024	ND	416	104	400	7.41	
TPH 8015M	mg/	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/15/2024	ND	201	101	200	0.217	
DRO >C10-C28*	<10.0	10.0	11/15/2024	ND	173	86.6	200	2.85	
EXT DRO >C28-C36	<10.0	10.0	11/15/2024	ND					
Surrogate: 1-Chlorooctane	109	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	106	% 49.1-14	8						

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Celey D. Keene, Lab Director/Quality Manager



# Analytical Results For:

	SE 16 HC	MA ENVIROMENTAL EBASTIAN OROZCO 501 N TURNER STE. 500 OBBS NM, 88240 ax To:		
Received:	11/14/2024		Sampling Date:	11/11/2024
Reported:	11/20/2024		Sampling Type:	Soil
Project Name:	WEST PEARL QUEEN		Sampling Condition:	Cool & Intact
Project Number:	19-12		Sample Received By:	Shalyn Rodriguez
Project Location:	ARMSTRONG-EDDY COU	UNTY		

## Sample ID: CSW 16 (H246940-32)

BTEX 8021B	mg,	/kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/16/2024	ND	2.10	105	2.00	2.96	
Toluene*	<0.050	0.050	11/16/2024	ND	2.03	101	2.00	2.41	
Ethylbenzene*	<0.050	0.050	11/16/2024	ND	2.04	102	2.00	1.30	
Total Xylenes*	<0.150	0.150	11/16/2024	ND	6.05	101	6.00	1.37	
Total BTEX	<0.300	0.300	11/16/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	96.0	% 71.5-13	4						
Chloride, SM4500Cl-B	mg/	/kg	Analyzed By: CT						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	16.0	16.0	11/18/2024	ND	416	104	400	7.41	
TPH 8015M	mg/	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/15/2024	ND	201	101	200	0.217	
DRO >C10-C28*	<10.0	10.0	11/15/2024	ND	173	86.6	200	2.85	
EXT DRO >C28-C36	<10.0	10.0	11/15/2024	ND					
Surrogate: 1-Chlorooctane	98.4	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	96.8	% 49.1-14	8						

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Celey D. Keene, Lab Director/Quality Manager



# Analytical Results For:

		PIMA ENVIROMENTAL SEBASTIAN OROZCO 1601 N TURNER STE. 500 HOBBS NM, 88240 Fax To:		
Received:	11/14/2024		Sampling Date:	11/11/2024
Reported:	11/20/2024		Sampling Type:	Soil
Project Name:	WEST PEARL QUEEN	J	Sampling Condition:	Cool & Intact
Project Number:	19-12		Sample Received By:	Shalyn Rodriguez
Project Location:	ARMSTRONG-EDDY	COUNTY		

## Sample ID: CSW 17 (H246940-33)

BTEX 8021B	mg,	/kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/16/2024	ND	2.10	105	2.00	2.96	
Toluene*	<0.050	0.050	11/16/2024	ND	2.03	101	2.00	2.41	
Ethylbenzene*	<0.050	0.050	11/16/2024	ND	2.04	102	2.00	1.30	
Total Xylenes*	<0.150	0.150	11/16/2024	ND	6.05	101	6.00	1.37	
Total BTEX	<0.300	0.300	11/16/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	96.6	% 71.5-13	4						
Chloride, SM4500Cl-B	mg/	/kg	Analyze	d By: CT					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	16.0	16.0	11/18/2024	ND	416	104	400	7.41	
TPH 8015M	mg/	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/15/2024	ND	201	101	200	0.217	
DRO >C10-C28*	<10.0	10.0	11/15/2024	ND	173	86.6	200	2.85	
EXT DRO >C28-C36	<10.0	10.0	11/15/2024	ND					
Surrogate: 1-Chlorooctane	105	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	102	% 49.1-14	8						

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Celey D. Keene, Lab Director/Quality Manager



# Analytical Results For:

	SE 16 HC	IMA ENVIROMENTAL EBASTIAN OROZCO 501 N TURNER STE. 500 OBBS NM, 88240 ax To:		
Received:	11/14/2024		Sampling Date:	11/11/2024
Reported:	11/20/2024		Sampling Type:	Soil
Project Name:	WEST PEARL QUEEN		Sampling Condition:	Cool & Intact
Project Number:	19-12		Sample Received By:	Shalyn Rodriguez
Project Location:	ARMSTRONG-EDDY COU	UNTY		

## Sample ID: CSW 18 (H246940-34)

BTEX 8021B	mg	/kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/16/2024	ND	2.10	105	2.00	2.96	
Toluene*	<0.050	0.050	11/16/2024	ND	2.03	101	2.00	2.41	
Ethylbenzene*	<0.050	0.050	11/16/2024	ND	2.04	102	2.00	1.30	
Total Xylenes*	<0.150	0.150	11/16/2024	ND	6.05	101	6.00	1.37	
Total BTEX	<0.300	0.300	11/16/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	97.6	% 71.5-13	4						
Chloride, SM4500Cl-B	mg/	/kg	Analyze	d By: CT					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	16.0	16.0	11/18/2024	ND	416	104	400	7.41	
TPH 8015M	mg/	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/15/2024	ND	201	101	200	0.217	
DRO >C10-C28*	<10.0	10.0	11/15/2024	ND	173	86.6	200	2.85	
EXT DRO >C28-C36	<10.0	10.0	11/15/2024	ND					
Surrogate: 1-Chlorooctane	101	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	97.1	% 49.1-14	8						

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Celey D. Keene, Lab Director/Quality Manager



# Analytical Results For:

		PIMA ENVIROMENTAL SEBASTIAN OROZCO 1601 N TURNER STE. 500 HOBBS NM, 88240 Fax To:		
Received:	11/14/2024		Sampling Date:	11/11/2024
Reported:	11/20/2024		Sampling Type:	Soil
Project Name:	WEST PEARL QUEEN	1	Sampling Condition:	Cool & Intact
Project Number:	19-12		Sample Received By:	Shalyn Rodriguez
Project Location:	ARMSTRONG-EDDY	COUNTY		

## Sample ID: CSW 19 (H246940-35)

BTEX 8021B	mg,	/kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/16/2024	ND	2.10	105	2.00	2.96	
Toluene*	<0.050	0.050	11/16/2024	ND	2.03	101	2.00	2.41	
Ethylbenzene*	<0.050	0.050	11/16/2024	ND	2.04	102	2.00	1.30	
Total Xylenes*	<0.150	0.150	11/16/2024	ND	6.05	101	6.00	1.37	
Total BTEX	<0.300	0.300	11/16/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	96.6	% 71.5-13	4						
Chloride, SM4500Cl-B	mg,	/kg	Analyze	d By: CT					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	16.0	16.0	11/18/2024	ND	416	104	400	7.41	
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/15/2024	ND	201	101	200	0.217	
DRO >C10-C28*	<10.0	10.0	11/15/2024	ND	173	86.6	200	2.85	
EXT DRO >C28-C36	<10.0	10.0	11/15/2024	ND					
Surrogate: 1-Chlorooctane	100	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	95.9	% 49.1-14	8						

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Celey D. Keene, Lab Director/Quality Manager



# Analytical Results For:

	SEBAS 1601 N	ENVIROMENTAL TIAN OROZCO I TURNER STE. 500 5 NM, 88240 :			
Received:	11/14/2024		Sampling Date:	11/11/2	024
Reported:	11/20/2024		Sampling Type:	Soil	
Project Name:	WEST PEARL QUEEN		Sampling Condition:	Cool & I	ntact
Project Number:	19-12		Sample Received By:	Shalyn F	Rodriguez
Project Location:	ARMSTRONG-EDDY COUNTY	(			

## Sample ID: CSW 20 (H246940-36)

BTEX 8021B	mg,	/kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/16/2024	ND	2.10	105	2.00	2.96	
Toluene*	<0.050	0.050	11/16/2024	ND	2.03	101	2.00	2.41	
Ethylbenzene*	<0.050	0.050	11/16/2024	ND	2.04	102	2.00	1.30	
Total Xylenes*	<0.150	0.150	11/16/2024	ND	6.05	101	6.00	1.37	
Total BTEX	<0.300	0.300	11/16/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	96.8	% 71.5-13	4						
Chloride, SM4500Cl-B	mg,	/kg	Analyze	d By: CT					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	16.0	16.0	11/18/2024	ND	416	104	400	7.41	
TPH 8015M	mg/	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/15/2024	ND	201	101	200	0.217	
DRO >C10-C28*	<10.0	10.0	11/15/2024	ND	173	86.6	200	2.85	
EXT DRO >C28-C36	<10.0	10.0	11/15/2024	ND					
Surrogate: 1-Chlorooctane	104	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	102	% 49.1-14	8						

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Celey D. Keene, Lab Director/Quality Manager



# Analytical Results For:

		PIMA ENVIROMENTAL SEBASTIAN OROZCO 1601 N TURNER STE. 500 HOBBS NM, 88240 Fax To:		
Received:	11/14/2024		Sampling Date:	11/11/2024
Reported:	11/20/2024		Sampling Type:	Soil
Project Name:	WEST PEARL QUEEN	١	Sampling Condition:	Cool & Intact
Project Number:	19-12		Sample Received By:	Shalyn Rodriguez
Project Location:	ARMSTRONG-EDDY	COUNTY		

## Sample ID: CSW 21 (H246940-37)

BTEX 8021B	mg,	/kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/16/2024	ND	2.10	105	2.00	2.96	
Toluene*	<0.050	0.050	11/16/2024	ND	2.03	101	2.00	2.41	
Ethylbenzene*	<0.050	0.050	11/16/2024	ND	2.04	102	2.00	1.30	
Total Xylenes*	<0.150	0.150	11/16/2024	ND	6.05	101	6.00	1.37	
Total BTEX	<0.300	0.300	11/16/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	97.2	% 71.5-13	4						
Chloride, SM4500Cl-B	mg,	/kg	Analyze	d By: CT					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	16.0	16.0	11/18/2024	ND	416	104	400	7.41	
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/15/2024	ND	201	101	200	0.217	
DRO >C10-C28*	<10.0	10.0	11/15/2024	ND	173	86.6	200	2.85	
EXT DRO >C28-C36	<10.0	10.0	11/15/2024	ND					
Surrogate: 1-Chlorooctane	110 9	48.2-13	4						
Surrogate: 1-Chlorooctadecane	111 9	% 49.1-14	8						

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Celey D. Keene, Lab Director/Quality Manager



# Analytical Results For:

	SEBAS 1601 N	ENVIROMENTAL TIAN OROZCO I TURNER STE. 500 5 NM, 88240 :			
Received:	11/14/2024		Sampling Date:	11/11/2	024
Reported:	11/20/2024		Sampling Type:	Soil	
Project Name:	WEST PEARL QUEEN		Sampling Condition:	Cool & I	ntact
Project Number:	19-12		Sample Received By:	Shalyn F	Rodriguez
Project Location:	ARMSTRONG-EDDY COUNTY	(			

## Sample ID: CSW 22 (H246940-38)

BTEX 8021B	mg,	/kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/16/2024	ND	2.10	105	2.00	2.96	
Toluene*	<0.050	0.050	11/16/2024	ND	2.03	101	2.00	2.41	
Ethylbenzene*	<0.050	0.050	11/16/2024	ND	2.04	102	2.00	1.30	
Total Xylenes*	<0.150	0.150	11/16/2024	ND	6.05	101	6.00	1.37	
Total BTEX	<0.300	0.300	11/16/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	97.5	% 71.5-13	4						
Chloride, SM4500Cl-B	mg,	/kg	Analyze	d By: CT					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	16.0	16.0	11/18/2024	ND	416	104	400	7.41	
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/15/2024	ND	201	101	200	0.217	
DRO >C10-C28*	<10.0	10.0	11/15/2024	ND	173	86.6	200	2.85	
EXT DRO >C28-C36	<10.0	10.0	11/15/2024	ND					
Surrogate: 1-Chlorooctane	102	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	101	% 49.1-14	8						

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Celey D. Keene, Lab Director/Quality Manager



# Analytical Results For:

	SEBAS 1601 N	ENVIROMENTAL TIAN OROZCO I TURNER STE. 500 5 NM, 88240 :			
Received:	11/14/2024		Sampling Date:	11/11/2	024
Reported:	11/20/2024		Sampling Type:	Soil	
Project Name:	WEST PEARL QUEEN		Sampling Condition:	Cool & I	ntact
Project Number:	19-12		Sample Received By:	Shalyn F	Rodriguez
Project Location:	ARMSTRONG-EDDY COUNTY	(			

## Sample ID: CSW 23 (H246940-39)

BTEX 8021B	mg/	kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/16/2024	ND	2.18	109	2.00	4.40	
Toluene*	<0.050	0.050	11/16/2024	ND	2.11	106	2.00	4.64	
Ethylbenzene*	<0.050	0.050	11/16/2024	ND	2.12	106	2.00	4.72	
Total Xylenes*	<0.150	0.150	11/16/2024	ND	6.28	105	6.00	5.15	
Total BTEX	<0.300	0.300	11/16/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	95.8	% 71.5-13	4						
Chloride, SM4500Cl-B	mg/	'kg	Analyze	d By: CT					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	16.0	16.0	11/18/2024	ND	416	104	400	7.41	
TPH 8015M	mg/	'kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/15/2024	ND	201	101	200	0.217	
DRO >C10-C28*	<10.0	10.0	11/15/2024	ND	173	86.6	200	2.85	
EXT DRO >C28-C36	<10.0	10.0	11/15/2024	ND					
Surrogate: 1-Chlorooctane	107 9	48.2-13	4						
Surrogate: 1-Chlorooctadecane	105 9	% 49.1-14	8						

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#### \*=Accredited Analyte

Celez D. Keine

Celey D. Keene, Lab Director/Quality Manager



# Analytical Results For:

	SEBAS 1601 N	ENVIROMENTAL TIAN OROZCO I TURNER STE. 500 5 NM, 88240 :			
Received:	11/14/2024		Sampling Date:	11/11/2	024
Reported:	11/20/2024		Sampling Type:	Soil	
Project Name:	WEST PEARL QUEEN		Sampling Condition:	Cool & I	ntact
Project Number:	19-12		Sample Received By:	Shalyn F	Rodriguez
Project Location:	ARMSTRONG-EDDY COUNTY	(			

## Sample ID: CSW 24 (H246940-40)

BTEX 8021B	mg,	/kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/16/2024	ND	2.18	109	2.00	4.40	
Toluene*	<0.050	0.050	11/16/2024	ND	2.11	106	2.00	4.64	
Ethylbenzene*	<0.050	0.050	11/16/2024	ND	2.12	106	2.00	4.72	
Total Xylenes*	<0.150	0.150	11/16/2024	ND	6.28	105	6.00	5.15	
Total BTEX	<0.300	0.300	11/16/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	97.7	% 71.5-13	4						
Chloride, SM4500Cl-B	mg,	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	11/15/2024	ND	432	108	400	0.00	
TPH 8015M	mg/	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/15/2024	ND	201	101	200	0.217	
DRO >C10-C28*	<10.0	10.0	11/15/2024	ND	173	86.6	200	2.85	
EXT DRO >C28-C36	<10.0	10.0	11/15/2024	ND					
Surrogate: 1-Chlorooctane	89.3	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	83.9	% 49.1-14	8						

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Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



# Analytical Results For:

	SI 10 H	IMA ENVIROMENTAL EBASTIAN OROZCO 601 N TURNER STE. 500 IOBBS NM, 88240 ax To:		
Received:	11/14/2024		Sampling Date:	11/11/2024
Reported:	11/20/2024		Sampling Type:	Soil
Project Name:	WEST PEARL QUEEN		Sampling Condition:	Cool & Intact
Project Number:	19-12		Sample Received By:	Shalyn Rodriguez
Project Location:	ARMSTRONG-EDDY CO	DUNTY		

## Sample ID: CSW 25 (H246940-41)

BTEX 8021B	mg/	/kg	Analyze	ed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/16/2024	ND	2.18	109	2.00	4.40	
Toluene*	<0.050	0.050	11/16/2024	ND	2.11	106	2.00	4.64	
Ethylbenzene*	<0.050	0.050	11/16/2024	ND	2.12	106	2.00	4.72	
Total Xylenes*	<0.150	0.150	11/16/2024	ND	6.28	105	6.00	5.15	
Total BTEX	<0.300	0.300	11/16/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	96.9	% 71.5-13	4						
Chloride, SM4500Cl-B	mg,	/kg	Analyze	ed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	11/15/2024	ND	432	108	400	0.00	
TPH 8015M	mg/	/kg	Analyze	ed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/16/2024	ND	201	101	200	0.217	
DRO >C10-C28*	<10.0	10.0	11/16/2024	ND	173	86.6	200	2.85	
EXT DRO >C28-C36	<10.0	10.0	11/16/2024	ND					
Surrogate: 1-Chlorooctane	82.1	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	77.3	% 49.1-14	8						

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Celey D. Keene, Lab Director/Quality Manager



# Analytical Results For:

		PIMA ENVIROMENTAL SEBASTIAN OROZCO 1601 N TURNER STE. 500 HOBBS NM, 88240 Fax To:		
Received:	11/14/2024		Sampling Date:	11/11/2024
Reported:	11/20/2024		Sampling Type:	Soil
Project Name:	WEST PEARL QUEEN	١	Sampling Condition:	Cool & Intact
Project Number:	19-12		Sample Received By:	Shalyn Rodriguez
Project Location:	ARMSTRONG-EDDY	COUNTY		

## Sample ID: CSW 26 (H246940-42)

BTEX 8021B	mg,	/kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/16/2024	ND	2.18	109	2.00	4.40	
Toluene*	<0.050	0.050	11/16/2024	ND	2.11	106	2.00	4.64	
Ethylbenzene*	<0.050	0.050	11/16/2024	ND	2.12	106	2.00	4.72	
Total Xylenes*	<0.150	0.150	11/16/2024	ND	6.28	105	6.00	5.15	
Total BTEX	<0.300	0.300	11/16/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	96.8	% 71.5-13	4						
Chloride, SM4500Cl-B	mg/	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	11/15/2024	ND	432	108	400	0.00	
TPH 8015M	mg/	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/16/2024	ND	201	101	200	0.217	
DRO >C10-C28*	<10.0	10.0	11/16/2024	ND	173	86.6	200	2.85	
EXT DRO >C28-C36	<10.0	10.0	11/16/2024	ND					
Surrogate: 1-Chlorooctane	88.6	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	82.0	% 49.1-14	8						

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Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



# Analytical Results For:

	SI 10 H	IMA ENVIROMENTAL EBASTIAN OROZCO 601 N TURNER STE. 500 IOBBS NM, 88240 ax To:		
Received:	11/14/2024		Sampling Date:	11/11/2024
Reported:	11/20/2024		Sampling Type:	Soil
Project Name:	WEST PEARL QUEEN		Sampling Condition:	Cool & Intact
Project Number:	19-12		Sample Received By:	Shalyn Rodriguez
Project Location:	ARMSTRONG-EDDY CO	DUNTY		

## Sample ID: CSW 27 (H246940-43)

BTEX 8021B	mg,	/kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/16/2024	ND	2.18	109	2.00	4.40	
Toluene*	<0.050	0.050	11/16/2024	ND	2.11	106	2.00	4.64	
Ethylbenzene*	<0.050	0.050	11/16/2024	ND	2.12	106	2.00	4.72	
Total Xylenes*	<0.150	0.150	11/16/2024	ND	6.28	105	6.00	5.15	
Total BTEX	<0.300	0.300	11/16/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	98.4	% 71.5-13	4						
Chloride, SM4500Cl-B	mg,	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	11/15/2024	ND	432	108	400	0.00	
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/15/2024	ND	206	103	200	1.20	
DRO >C10-C28*	<10.0	10.0	11/15/2024	ND	209	105	200	0.0793	
EXT DRO >C28-C36	<10.0	10.0	11/15/2024	ND					
Surrogate: 1-Chlorooctane	89.3	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	88.9	% 49.1-14	8						

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Celey D. Keene, Lab Director/Quality Manager



# Analytical Results For:

	SE 16 HC	MA ENVIROMENTAL EBASTIAN OROZCO 501 N TURNER STE. 500 OBBS NM, 88240 ax To:		
Received:	11/14/2024		Sampling Date:	11/11/2024
Reported:	11/20/2024		Sampling Type:	Soil
Project Name:	WEST PEARL QUEEN		Sampling Condition:	Cool & Intact
Project Number:	19-12		Sample Received By:	Shalyn Rodriguez
Project Location:	ARMSTRONG-EDDY COU	UNTY		

## Sample ID: CSW 28 (H246940-44)

BTEX 8021B	mg,	/kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/16/2024	ND	2.18	109	2.00	4.40	
Toluene*	<0.050	0.050	11/16/2024	ND	2.11	106	2.00	4.64	
Ethylbenzene*	<0.050	0.050	11/16/2024	ND	2.12	106	2.00	4.72	
Total Xylenes*	<0.150	0.150	11/16/2024	ND	6.28	105	6.00	5.15	
Total BTEX	<0.300	0.300	11/16/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	96.1	% 71.5-13	4						
Chloride, SM4500Cl-B	mg,	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	11/15/2024	ND	432	108	400	0.00	
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/15/2024	ND	206	103	200	1.20	
DRO >C10-C28*	<10.0	10.0	11/15/2024	ND	209	105	200	0.0793	
EXT DRO >C28-C36	<10.0	10.0	11/15/2024	ND					
Surrogate: 1-Chlorooctane	80.7	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	79.5	% 49.1-14	8						

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Celey D. Keene, Lab Director/Quality Manager


# Analytical Results For:

		PIMA ENVIROMENTAL SEBASTIAN OROZCO 1601 N TURNER STE. 500 HOBBS NM, 88240 Fax To:		
Received:	11/14/2024		Sampling Date:	11/11/2024
Reported:	11/20/2024		Sampling Type:	Soil
Project Name:	WEST PEARL QUEEN	1	Sampling Condition:	Cool & Intact
Project Number:	19-12		Sample Received By:	Shalyn Rodriguez
Project Location:	ARMSTRONG-EDDY	COUNTY		

# Sample ID: CSW 29 (H246940-45)

BTEX 8021B	mg,	/kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/16/2024	ND	2.18	109	2.00	4.40	
Toluene*	<0.050	0.050	11/16/2024	ND	2.11	106	2.00	4.64	
Ethylbenzene*	<0.050	0.050	11/16/2024	ND	2.12	106	2.00	4.72	
Total Xylenes*	<0.150	0.150	11/16/2024	ND	6.28	105	6.00	5.15	
Total BTEX	<0.300	0.300	11/16/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	95.4	% 71.5-13	4						
Chloride, SM4500Cl-B	mg,	/kg	Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	16.0	16.0	11/15/2024	ND	432	108	400	0.00	
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/15/2024	ND	206	103	200	1.20	
DRO >C10-C28*	<10.0	10.0	11/15/2024	ND	209	105	200	0.0793	
EXT DRO >C28-C36	<10.0	10.0	11/15/2024	ND					
Surrogate: 1-Chlorooctane	88.1	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	86.6	% 49.1-14	8						

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Celey D. Keene, Lab Director/Quality Manager



# Analytical Results For:

		PIMA ENVIROMENTAL SEBASTIAN OROZCO 1601 N TURNER STE. 500 HOBBS NM, 88240 Fax To:		
Received:	11/14/2024		Sampling Date:	11/11/2024
Reported:	11/20/2024		Sampling Type:	Soil
Project Name:	WEST PEARL QUEEN		Sampling Condition:	Cool & Intact
Project Number:	19-12		Sample Received By:	Shalyn Rodriguez
Project Location:	ARMSTRONG-EDDY C	OUNTY		

# Sample ID: CSW 30 (H246940-46)

BTEX 8021B	mg,	/kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/16/2024	ND	2.18	109	2.00	4.40	
Toluene*	<0.050	0.050	11/16/2024	ND	2.11	106	2.00	4.64	
Ethylbenzene*	<0.050	0.050	11/16/2024	ND	2.12	106	2.00	4.72	
Total Xylenes*	<0.150	0.150	11/16/2024	ND	6.28	105	6.00	5.15	
Total BTEX	<0.300	0.300	11/16/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	97.4	% 71.5-13	4						
Chloride, SM4500Cl-B	mg	/kg	Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	16.0	16.0	11/15/2024	ND	432	108	400	0.00	
TPH 8015M	mg	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/15/2024	ND	206	103	200	1.20	
DRO >C10-C28*	<10.0	10.0	11/15/2024	ND	209	105	200	0.0793	
EXT DRO >C28-C36	<10.0	10.0	11/15/2024	ND					
Surrogate: 1-Chlorooctane	74.1	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	81.9	% 49.1-14	8						

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Celey D. Keene, Lab Director/Quality Manager



# Analytical Results For:

	SE 16 HC	MA ENVIROMENTAL EBASTIAN OROZCO 501 N TURNER STE. 500 OBBS NM, 88240 ax To:		
Received:	11/14/2024		Sampling Date:	11/11/2024
Reported:	11/20/2024		Sampling Type:	Soil
Project Name:	WEST PEARL QUEEN		Sampling Condition:	Cool & Intact
Project Number:	19-12		Sample Received By:	Shalyn Rodriguez
Project Location:	ARMSTRONG-EDDY COU	UNTY		

# Sample ID: CSW 31 (H246940-47)

BTEX 8021B	mg/	′kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/16/2024	ND	2.18	109	2.00	4.40	
Toluene*	<0.050	0.050	11/16/2024	ND	2.11	106	2.00	4.64	
Ethylbenzene*	<0.050	0.050	11/16/2024	ND	2.12	106	2.00	4.72	
Total Xylenes*	<0.150	0.150	11/16/2024	ND	6.28	105	6.00	5.15	
Total BTEX	<0.300	0.300	11/16/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	97.6	% 71.5-13	4						
Chloride, SM4500Cl-B	mg/	′kg	Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	11/15/2024	ND	432	108	400	0.00	
TPH 8015M	mg/	′kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/15/2024	ND	206	103	200	1.20	
DRO >C10-C28*	<10.0	10.0	11/15/2024	ND	209	105	200	0.0793	
EXT DRO >C28-C36	<10.0	10.0	11/15/2024	ND					
Surrogate: 1-Chlorooctane	73.5	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	72.6	% 49.1-14	8						

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Celey D. Keene, Lab Director/Quality Manager



# Analytical Results For:

		PIMA ENVIROMENTAL SEBASTIAN OROZCO 1601 N TURNER STE. 500 HOBBS NM, 88240 Fax To:		
Received:	11/14/2024		Sampling Date:	11/11/2024
Reported:	11/20/2024		Sampling Type:	Soil
Project Name:	WEST PEARL QUEEN		Sampling Condition:	Cool & Intact
Project Number:	19-12		Sample Received By:	Shalyn Rodriguez
Project Location:	ARMSTRONG-EDDY C	OUNTY		

# Sample ID: CSW 32 (H246940-48)

BTEX 8021B	mg,	/kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifie
Benzene*	<0.050	0.050	11/16/2024	ND	2.18	109	2.00	4.40	
Toluene*	<0.050	0.050	11/16/2024	ND	2.11	106	2.00	4.64	
Ethylbenzene*	<0.050	0.050	11/16/2024	ND	2.12	106	2.00	4.72	
Total Xylenes*	<0.150	0.150	11/16/2024	ND	6.28	105	6.00	5.15	
Total BTEX	<0.300	0.300	11/16/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	97.3	% 71.5-13	4						
Chloride, SM4500Cl-B	mg,	/kg	Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	11/15/2024	ND	432	108	400	0.00	
TPH 8015M	mg/	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/15/2024	ND	206	103	200	1.20	
DRO >C10-C28*	<10.0	10.0	11/15/2024	ND	209	105	200	0.0793	
EXT DRO >C28-C36	<10.0	10.0	11/15/2024	ND					
Surrogate: 1-Chlorooctane	86.9	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	86.6	% 49.1-14	8						

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Celey D. Keene, Lab Director/Quality Manager



# Analytical Results For:

	SEBAS 1601 N	ENVIROMENTAL TIAN OROZCO I TURNER STE. 500 5 NM, 88240 :			
Received:	11/14/2024		Sampling Date:	11/11/2	024
Reported:	11/20/2024		Sampling Type:	Soil	
Project Name:	WEST PEARL QUEEN		Sampling Condition:	Cool & I	ntact
Project Number:	19-12		Sample Received By:	Shalyn F	Rodriguez
Project Location:	ARMSTRONG-EDDY COUNTY	(			

# Sample ID: CSW 33 (H246940-49)

BTEX 8021B	mg,	/kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/16/2024	ND	2.18	109	2.00	4.40	
Toluene*	<0.050	0.050	11/16/2024	ND	2.11	106	2.00	4.64	
Ethylbenzene*	<0.050	0.050	11/16/2024	ND	2.12	106	2.00	4.72	
Total Xylenes*	<0.150	0.150	11/16/2024	ND	6.28	105	6.00	5.15	
Total BTEX	<0.300	0.300	11/16/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	97.4	% 71.5-13	4						
Chloride, SM4500Cl-B	mg/	/kg	Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	11/15/2024	ND	432	108	400	0.00	
TPH 8015M	mg/	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/15/2024	ND	206	103	200	1.20	
DRO >C10-C28*	<10.0	10.0	11/15/2024	ND	209	105	200	0.0793	
EXT DRO >C28-C36	<10.0	10.0	11/15/2024	ND					
Surrogate: 1-Chlorooctane	90.2	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	91.1	% 49.1-14	8						

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Celez D. Keine

Celey D. Keene, Lab Director/Quality Manager



# Analytical Results For:

		PIMA ENVIROMENTAL SEBASTIAN OROZCO 1601 N TURNER STE. 500 HOBBS NM, 88240 Fax To:		
Received:	11/14/2024		Sampling Date:	11/11/2024
Reported:	11/20/2024		Sampling Type:	Soil
Project Name:	WEST PEARL QUEEN	1	Sampling Condition:	Cool & Intact
Project Number:	19-12		Sample Received By:	Shalyn Rodriguez
Project Location:	ARMSTRONG-EDDY	COUNTY		

# Sample ID: CSW 34 (H246940-50)

BTEX 8021B	mg/	/kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/16/2024	ND	2.18	109	2.00	4.40	
Toluene*	<0.050	0.050	11/16/2024	ND	2.11	106	2.00	4.64	
Ethylbenzene*	<0.050	0.050	11/16/2024	ND	2.12	106	2.00	4.72	
Total Xylenes*	<0.150	0.150	11/16/2024	ND	6.28	105	6.00	5.15	
Total BTEX	<0.300	0.300	11/16/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	97.0	% 71.5-13	4						
Chloride, SM4500Cl-B	mg,	/kg	Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	11/15/2024	ND	432	108	400	0.00	
TPH 8015M	mg/	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/15/2024	ND	206	103	200	1.20	
DRO >C10-C28*	<10.0	10.0	11/15/2024	ND	209	105	200	0.0793	
EXT DRO >C28-C36	<10.0	10.0	11/15/2024	ND					
Surrogate: 1-Chlorooctane	94.3	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	95.4	% 49.1-14	8						

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#### \*=Accredited Analyte

Celez D. Keine

Celey D. Keene, Lab Director/Quality Manager



# Analytical Results For:

	SI 10 H	IMA ENVIROMENTAL EBASTIAN OROZCO 601 N TURNER STE. 500 IOBBS NM, 88240 ax To:		
Received:	11/14/2024		Sampling Date:	11/11/2024
Reported:	11/20/2024		Sampling Type:	Soil
Project Name:	WEST PEARL QUEEN		Sampling Condition:	Cool & Intact
Project Number:	19-12		Sample Received By:	Shalyn Rodriguez
Project Location:	ARMSTRONG-EDDY CO	DUNTY		

# Sample ID: CSW 35 (H246940-51)

BTEX 8021B	mg,	/kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/16/2024	ND	2.18	109	2.00	4.40	
Toluene*	<0.050	0.050	11/16/2024	ND	2.11	106	2.00	4.64	
Ethylbenzene*	<0.050	0.050	11/16/2024	ND	2.12	106	2.00	4.72	
Total Xylenes*	<0.150	0.150	11/16/2024	ND	6.28	105	6.00	5.15	
Total BTEX	<0.300	0.300	11/16/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	<i>98.3</i>	% 71.5-13	4						
Chloride, SM4500Cl-B	mg/	/kg	Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	11/15/2024	ND	432	108	400	0.00	
TPH 8015M	mg/	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/15/2024	ND	206	103	200	1.20	
DRO >C10-C28*	<10.0	10.0	11/15/2024	ND	209	105	200	0.0793	
EXT DRO >C28-C36	<10.0	10.0	11/15/2024	ND					
Surrogate: 1-Chlorooctane	98.5	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	99.8	% 49.1-14	8						

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#### \*=Accredited Analyte

Celez D. Keine

Celey D. Keene, Lab Director/Quality Manager



# Analytical Results For:

	SI 10 H	IMA ENVIROMENTAL EBASTIAN OROZCO 601 N TURNER STE. 500 IOBBS NM, 88240 ax To:		
Received:	11/14/2024		Sampling Date:	11/11/2024
Reported:	11/20/2024		Sampling Type:	Soil
Project Name:	WEST PEARL QUEEN		Sampling Condition:	Cool & Intact
Project Number:	19-12		Sample Received By:	Shalyn Rodriguez
Project Location:	ARMSTRONG-EDDY CO	DUNTY		

# Sample ID: CSW 36 (H246940-52)

BTEX 8021B	mg/	/kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/16/2024	ND	2.18	109	2.00	4.40	
Toluene*	<0.050	0.050	11/16/2024	ND	2.11	106	2.00	4.64	
Ethylbenzene*	<0.050	0.050	11/16/2024	ND	2.12	106	2.00	4.72	
Total Xylenes*	<0.150	0.150	11/16/2024	ND	6.28	105	6.00	5.15	
Total BTEX	<0.300	0.300	11/16/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	97.7	% 71.5-13	4						
Chloride, SM4500Cl-B	mg,	/kg	Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	11/15/2024	ND	432	108	400	0.00	
TPH 8015M	mg/	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/15/2024	ND	206	103	200	1.20	
DRO >C10-C28*	<10.0	10.0	11/15/2024	ND	209	105	200	0.0793	
EXT DRO >C28-C36	<10.0	10.0	11/15/2024	ND					
Surrogate: 1-Chlorooctane	89.8	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	90.8	% 49.1-14	8						

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Celez D. Keine

Celey D. Keene, Lab Director/Quality Manager



# Analytical Results For:

	SEBAS 1601 N	ENVIROMENTAL TIAN OROZCO I TURNER STE. 500 5 NM, 88240 :			
Received:	11/14/2024		Sampling Date:	11/11/2	024
Reported:	11/20/2024		Sampling Type:	Soil	
Project Name:	WEST PEARL QUEEN		Sampling Condition:	Cool & I	ntact
Project Number:	19-12		Sample Received By:	Shalyn F	Rodriguez
Project Location:	ARMSTRONG-EDDY COUNTY	(			

# Sample ID: CSW 37 (H246940-53)

BTEX 8021B	mg,	′kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/16/2024	ND	2.18	109	2.00	4.40	
Toluene*	<0.050	0.050	11/16/2024	ND	2.11	106	2.00	4.64	
Ethylbenzene*	<0.050	0.050	11/16/2024	ND	2.12	106	2.00	4.72	
Total Xylenes*	<0.150	0.150	11/16/2024	ND	6.28	105	6.00	5.15	
Total BTEX	<0.300	0.300	11/16/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	95.4	% 71.5-13	4						
Chloride, SM4500Cl-B	mg/	′kg	Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	11/15/2024	ND	432	108	400	0.00	
TPH 8015M	mg,	′kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/15/2024	ND	206	103	200	1.20	
DRO >C10-C28*	<10.0	10.0	11/15/2024	ND	209	105	200	0.0793	
EXT DRO >C28-C36	<10.0	10.0	11/15/2024	ND					
Surrogate: 1-Chlorooctane	96.1	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	97.7	% 49.1-14	8						

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Celez D. Keine

Celey D. Keene, Lab Director/Quality Manager



# Analytical Results For:

	SE 16 HC	MA ENVIROMENTAL EBASTIAN OROZCO 501 N TURNER STE. 500 OBBS NM, 88240 ax To:		
Received:	11/14/2024		Sampling Date:	11/11/2024
Reported:	11/20/2024		Sampling Type:	Soil
Project Name:	WEST PEARL QUEEN		Sampling Condition:	Cool & Intact
Project Number:	19-12		Sample Received By:	Shalyn Rodriguez
Project Location:	ARMSTRONG-EDDY COU	UNTY		

# Sample ID: CSW 38 (H246940-54)

BTEX 8021B	mg,	/kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/16/2024	ND	2.18	109	2.00	4.40	
Toluene*	<0.050	0.050	11/16/2024	ND	2.11	106	2.00	4.64	
Ethylbenzene*	<0.050	0.050	11/16/2024	ND	2.12	106	2.00	4.72	
Total Xylenes*	<0.150	0.150	11/16/2024	ND	6.28	105	6.00	5.15	
Total BTEX	<0.300	0.300	11/16/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	97.8	% 71.5-13	4						
Chloride, SM4500Cl-B	mg,	/kg	Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	11/15/2024	ND	432	108	400	0.00	
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/15/2024	ND	206	103	200	1.20	
DRO >C10-C28*	<10.0	10.0	11/15/2024	ND	209	105	200	0.0793	
EXT DRO >C28-C36	<10.0	10.0	11/15/2024	ND					
Surrogate: 1-Chlorooctane	101	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	102	% 49.1-14	8						

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Celez D. Keine

Celey D. Keene, Lab Director/Quality Manager



# Analytical Results For:

	PIMA ENVIROMEN SEBASTIAN OROZ 1601 N TURNER HOBBS NM, 88240 Fax To:	CO STE. 500	
Received:	11/14/2024	Sampling Date:	11/11/2024
Reported:	11/20/2024	Sampling Type:	Soil
Project Name:	WEST PEARL QUEEN	Sampling Condition:	Cool & Intact
Project Number:	19-12	Sample Received By:	Shalyn Rodriguez
Project Location:	ARMSTRONG-EDDY COUNTY		

# Sample ID: CSW 39 (H246940-55)

BTEX 8021B	mg/	/kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/16/2024	ND	2.18	109	2.00	4.40	
Toluene*	<0.050	0.050	11/16/2024	ND	2.11	106	2.00	4.64	
Ethylbenzene*	<0.050	0.050	11/16/2024	ND	2.12	106	2.00	4.72	
Total Xylenes*	<0.150	0.150	11/16/2024	ND	6.28	105	6.00	5.15	
Total BTEX	<0.300	0.300	11/16/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	98.7	% 71.5-13	4						
Chloride, SM4500Cl-B	mg,	/kg	Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	11/15/2024	ND	432	108	400	0.00	
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/15/2024	ND	206	103	200	1.20	
DRO >C10-C28*	<10.0	10.0	11/15/2024	ND	209	105	200	0.0793	
EXT DRO >C28-C36	<10.0	10.0	11/15/2024	ND					
Surrogate: 1-Chlorooctane	99.8	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	100	% 49.1-14	8						

#### **Cardinal Laboratories**

#### \*=Accredited Analyte

Celez D. Keine

Celey D. Keene, Lab Director/Quality Manager



# Analytical Results For:

		PIMA ENVIROMENTAL SEBASTIAN OROZCO 1601 N TURNER STE. 500 HOBBS NM, 88240 Fax To:		
Received:	11/14/2024		Sampling Date:	11/11/2024
Reported:	11/20/2024		Sampling Type:	Soil
Project Name:	WEST PEARL QUEEN	N	Sampling Condition:	Cool & Intact
Project Number:	19-12		Sample Received By:	Shalyn Rodriguez
Project Location:	ARMSTRONG-EDDY	COUNTY		

# Sample ID: CSW 40 (H246940-56)

BTEX 8021B	mg/	/kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/16/2024	ND	2.18	109	2.00	4.40	
Toluene*	<0.050	0.050	11/16/2024	ND	2.11	106	2.00	4.64	
Ethylbenzene*	<0.050	0.050	11/16/2024	ND	2.12	106	2.00	4.72	
Total Xylenes*	<0.150	0.150	11/16/2024	ND	6.28	105	6.00	5.15	
Total BTEX	<0.300	0.300	11/16/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	97.4	% 71.5-13	4						
Chloride, SM4500Cl-B	mg,	/kg	Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	11/15/2024	ND	432	108	400	0.00	
TPH 8015M	mg/	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/15/2024	ND	206	103	200	1.20	
DRO >C10-C28*	<10.0	10.0	11/15/2024	ND	209	105	200	0.0793	
EXT DRO >C28-C36	<10.0	10.0	11/15/2024	ND					
Surrogate: 1-Chlorooctane	93.5	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	94.3	% 49.1-14	8						

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Celez D. Keine

Celey D. Keene, Lab Director/Quality Manager



# Analytical Results For:

	SI 10 H	IMA ENVIROMENTAL EBASTIAN OROZCO 601 N TURNER STE. 500 IOBBS NM, 88240 ax To:		
Received:	11/14/2024		Sampling Date:	11/11/2024
Reported:	11/20/2024		Sampling Type:	Soil
Project Name:	WEST PEARL QUEEN		Sampling Condition:	Cool & Intact
Project Number:	19-12		Sample Received By:	Shalyn Rodriguez
Project Location:	ARMSTRONG-EDDY CO	DUNTY		

# Sample ID: CSW 41 (H246940-57)

BTEX 8021B	mg,	/kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/16/2024	ND	2.18	109	2.00	4.40	
Toluene*	<0.050	0.050	11/16/2024	ND	2.11	106	2.00	4.64	
Ethylbenzene*	<0.050	0.050	11/16/2024	ND	2.12	106	2.00	4.72	
Total Xylenes*	<0.150	0.150	11/16/2024	ND	6.28	105	6.00	5.15	
Total BTEX	<0.300	0.300	11/16/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	96.3	% 71.5-13	4						
Chloride, SM4500Cl-B	mg/	/kg	Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	11/15/2024	ND	432	108	400	0.00	
TPH 8015M	mg/	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/15/2024	ND	206	103	200	1.20	
DRO >C10-C28*	<10.0	10.0	11/15/2024	ND	209	105	200	0.0793	
EXT DRO >C28-C36	<10.0	10.0	11/15/2024	ND					
Surrogate: 1-Chlorooctane	95.6	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	96.6	% 49.1-14	8						

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Celez D. Keine

Celey D. Keene, Lab Director/Quality Manager



# Analytical Results For:

		PIMA ENVIROMENTAL SEBASTIAN OROZCO 1601 N TURNER STE. 500 HOBBS NM, 88240 Fax To:		
Received:	11/14/2024		Sampling Date:	11/11/2024
Reported:	11/20/2024		Sampling Type:	Soil
Project Name:	WEST PEARL QUEEN		Sampling Condition:	Cool & Intact
Project Number:	19-12		Sample Received By:	Shalyn Rodriguez
Project Location:	ARMSTRONG-EDDY C	COUNTY		

# Sample ID: CSW 42 (H246940-58)

BTEX 8021B	mg	/kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/16/2024	ND	2.18	109	2.00	4.40	
Toluene*	<0.050	0.050	11/16/2024	ND	2.11	106	2.00	4.64	
Ethylbenzene*	<0.050	0.050	11/16/2024	ND	2.12	106	2.00	4.72	
Total Xylenes*	<0.150	0.150	11/16/2024	ND	6.28	105	6.00	5.15	
Total BTEX	<0.300	0.300	11/16/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	98.0	% 71.5-13	4						
Chloride, SM4500Cl-B	mg/	/kg	Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	11/15/2024	ND	432	108	400	0.00	
TPH 8015M	mg/	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/15/2024	ND	206	103	200	1.20	
DRO >C10-C28*	<10.0	10.0	11/15/2024	ND	209	105	200	0.0793	
EXT DRO >C28-C36	<10.0	10.0	11/15/2024	ND					
Surrogate: 1-Chlorooctane	94.1	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	96.0	% 49.1-14	8						

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Celez D. Keine

Celey D. Keene, Lab Director/Quality Manager



# Analytical Results For:

	SE 16 HC	MA ENVIROMENTAL EBASTIAN OROZCO 501 N TURNER STE. 500 OBBS NM, 88240 ax To:		
Received:	11/14/2024		Sampling Date:	11/11/2024
Reported:	11/20/2024		Sampling Type:	Soil
Project Name:	WEST PEARL QUEEN		Sampling Condition:	Cool & Intact
Project Number:	19-12		Sample Received By:	Shalyn Rodriguez
Project Location:	ARMSTRONG-EDDY COU	UNTY		

# Sample ID: CSW 43 (H246940-59)

BTEX 8021B	mg	′kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/16/2024	ND	2.22	111	2.00	0.688	
Toluene*	<0.050	0.050	11/16/2024	ND	2.31	116	2.00	0.968	
Ethylbenzene*	<0.050	0.050	11/16/2024	ND	2.24	112	2.00	1.24	
Total Xylenes*	<0.150	0.150	11/16/2024	ND	7.13	119	6.00	0.936	
Total BTEX	<0.300	0.300	11/16/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	105	% 71.5-13	4						
Chloride, SM4500Cl-B	mg,	′kg	Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	11/15/2024	ND	432	108	400	0.00	
TPH 8015M	mg/	′kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/15/2024	ND	206	103	200	1.20	
DRO >C10-C28*	<10.0	10.0	11/15/2024	ND	209	105	200	0.0793	
EXT DRO >C28-C36	<10.0	10.0	11/15/2024	ND					
Surrogate: 1-Chlorooctane	86.1	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	87.0	% 49.1-14	8						

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Celez D. Keine

Celey D. Keene, Lab Director/Quality Manager



# Analytical Results For:

	SI 10 H	IMA ENVIROMENTAL EBASTIAN OROZCO 601 N TURNER STE. 500 IOBBS NM, 88240 ax To:		
Received:	11/14/2024		Sampling Date:	11/11/2024
Reported:	11/20/2024		Sampling Type:	Soil
Project Name:	WEST PEARL QUEEN		Sampling Condition:	Cool & Intact
Project Number:	19-12		Sample Received By:	Shalyn Rodriguez
Project Location:	ARMSTRONG-EDDY CO	DUNTY		

# Sample ID: CSW 44 (H246940-60)

BTEX 8021B	mg	/kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/16/2024	ND	2.22	111	2.00	0.688	
Toluene*	<0.050	0.050	11/16/2024	ND	2.31	116	2.00	0.968	
Ethylbenzene*	<0.050	0.050	11/16/2024	ND	2.24	112	2.00	1.24	
Total Xylenes*	<0.150	0.150	11/16/2024	ND	7.13	119	6.00	0.936	
Total BTEX	<0.300	0.300	11/16/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	105	% 71.5-13	4						
Chloride, SM4500Cl-B	mg	/kg	Analyzed By: CT						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	11/15/2024	ND	432	108	400	0.00	
TPH 8015M	mg	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/15/2024	ND	206	103	200	1.20	
DRO >C10-C28*	<10.0	10.0	11/15/2024	ND	209	105	200	0.0793	
EXT DRO >C28-C36	<10.0	10.0	11/15/2024	ND					
Surrogate: 1-Chlorooctane	97.2	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	98.2	% 49.1-14	8						

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#### \*=Accredited Analyte

Celez D. Keine

Celey D. Keene, Lab Director/Quality Manager



# Analytical Results For:

	SEBAS 1601 N	ENVIROMENTAL TIAN OROZCO I TURNER STE. 500 5 NM, 88240 :			
Received:	11/14/2024		Sampling Date:	11/11/2	024
Reported:	11/20/2024		Sampling Type:	Soil	
Project Name:	WEST PEARL QUEEN		Sampling Condition:	Cool & I	ntact
Project Number:	19-12		Sample Received By:	Shalyn F	Rodriguez
Project Location:	ARMSTRONG-EDDY COUNTY	(			

# Sample ID: CSW 45 (H246940-61)

BTEX 8021B	mg,	/kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/16/2024	ND	2.22	111	2.00	0.688	
Toluene*	<0.050	0.050	11/16/2024	ND	2.31	116	2.00	0.968	
Ethylbenzene*	<0.050	0.050	11/16/2024	ND	2.24	112	2.00	1.24	
Total Xylenes*	<0.150	0.150	11/16/2024	ND	7.13	119	6.00	0.936	
Total BTEX	<0.300	0.300	11/16/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	106	% 71.5-13	4						
Chloride, SM4500Cl-B	mg/	/kg	Analyzed By: CT						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	16.0	16.0	11/15/2024	ND	432	108	400	0.00	
TPH 8015M	mg/	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/15/2024	ND	206	103	200	1.20	
DRO >C10-C28*	<10.0	10.0	11/15/2024	ND	209	105	200	0.0793	
EXT DRO >C28-C36	<10.0	10.0	11/15/2024	ND					
Surrogate: 1-Chlorooctane	95.4	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	94.6	% 49.1-14	8						

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Celey D. Keene, Lab Director/Quality Manager



# Analytical Results For:

	SI 10 H	IMA ENVIROMENTAL EBASTIAN OROZCO 601 N TURNER STE. 500 IOBBS NM, 88240 ax To:		
Received:	11/14/2024		Sampling Date:	11/11/2024
Reported:	11/20/2024		Sampling Type:	Soil
Project Name:	WEST PEARL QUEEN		Sampling Condition:	Cool & Intact
Project Number:	19-12		Sample Received By:	Shalyn Rodriguez
Project Location:	ARMSTRONG-EDDY CO	DUNTY		

# Sample ID: CSW 46 (H246940-62)

BTEX 8021B	mg,	/kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/16/2024	ND	2.22	111	2.00	0.688	
Toluene*	<0.050	0.050	11/16/2024	ND	2.31	116	2.00	0.968	
Ethylbenzene*	<0.050	0.050	11/16/2024	ND	2.24	112	2.00	1.24	
Total Xylenes*	<0.150	0.150	11/16/2024	ND	7.13	119	6.00	0.936	
Total BTEX	<0.300	0.300	11/16/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	106	% 71.5-13	4						
Chloride, SM4500Cl-B	mg/	/kg	Analyzed By: CT						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	16.0	16.0	11/15/2024	ND	432	108	400	0.00	
TPH 8015M	mg/	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/15/2024	ND	206	103	200	1.20	
DRO >C10-C28*	<10.0	10.0	11/15/2024	ND	209	105	200	0.0793	
EXT DRO >C28-C36	<10.0	10.0	11/15/2024	ND					
Surrogate: 1-Chlorooctane	96.6	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	95.6	% 49.1-14	8						

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Celey D. Keene, Lab Director/Quality Manager



# Analytical Results For:

		PIMA ENVIROMENTAL SEBASTIAN OROZCO 1601 N TURNER STE. 500 HOBBS NM, 88240 Fax To:		
Received:	11/14/2024		Sampling Date:	11/11/2024
Reported:	11/20/2024		Sampling Type:	Soil
Project Name:	WEST PEARL QUEEN	1	Sampling Condition:	Cool & Intact
Project Number:	19-12		Sample Received By:	Shalyn Rodriguez
Project Location:	ARMSTRONG-EDDY	COUNTY		

# Sample ID: CSW 47 (H246940-63)

BTEX 8021B	mg,	/kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/16/2024	ND	2.22	111	2.00	0.688	
Toluene*	<0.050	0.050	11/16/2024	ND	2.31	116	2.00	0.968	
Ethylbenzene*	<0.050	0.050	11/16/2024	ND	2.24	112	2.00	1.24	
Total Xylenes*	<0.150	0.150	11/16/2024	ND	7.13	119	6.00	0.936	
Total BTEX	<0.300	0.300	11/16/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	105	% 71.5-13	4						
Chloride, SM4500Cl-B	mg/	/kg	Analyze	d By: CT					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	11/15/2024	ND	432	108	400	0.00	
TPH 8015M	mg/	/kg	Analyze	d By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/15/2024	ND	219	109	200	0.315	
DRO >C10-C28*	<10.0	10.0	11/15/2024	ND	203	101	200	1.62	
EXT DRO >C28-C36	<10.0	10.0	11/15/2024	ND					
Surrogate: 1-Chlorooctane	87.9	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	88.5	% 49.1-14	8						

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# Analytical Results For:

	SE 16 HC	IMA ENVIROMENTAL EBASTIAN OROZCO 501 N TURNER STE. 500 OBBS NM, 88240 ax To:		
Received:	11/14/2024		Sampling Date:	11/11/2024
Reported:	11/20/2024		Sampling Type:	Soil
Project Name:	WEST PEARL QUEEN		Sampling Condition:	Cool & Intact
Project Number:	19-12		Sample Received By:	Shalyn Rodriguez
Project Location:	ARMSTRONG-EDDY COU	UNTY		

# Sample ID: CSW 48 (H246940-64)

BTEX 8021B	mg	/kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/16/2024	ND	2.22	111	2.00	0.688	
Toluene*	<0.050	0.050	11/16/2024	ND	2.31	116	2.00	0.968	
Ethylbenzene*	<0.050	0.050	11/16/2024	ND	2.24	112	2.00	1.24	
Total Xylenes*	<0.150	0.150	11/16/2024	ND	7.13	119	6.00	0.936	
Total BTEX	<0.300	0.300	11/16/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	106	% 71.5-13	4						
Chloride, SM4500Cl-B	mg	/kg	Analyze	d By: CT					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	16.0	16.0	11/15/2024	ND	432	108	400	0.00	
TPH 8015M	mg	/kg	Analyze	d By: ms	By: ms				
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/15/2024	ND	219	109	200	0.315	
DRO >C10-C28*	<10.0	10.0	11/15/2024	ND	203	101	200	1.62	
EXT DRO >C28-C36	<10.0	10.0	11/15/2024	ND					
Surrogate: 1-Chlorooctane	86.2	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	86.5	% 49.1-14	8						

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# Analytical Results For:

	SI 10 H	IMA ENVIROMENTAL EBASTIAN OROZCO 601 N TURNER STE. 500 IOBBS NM, 88240 ax To:		
Received:	11/14/2024		Sampling Date:	11/11/2024
Reported:	11/20/2024		Sampling Type:	Soil
Project Name:	WEST PEARL QUEEN		Sampling Condition:	Cool & Intact
Project Number:	19-12		Sample Received By:	Shalyn Rodriguez
Project Location:	ARMSTRONG-EDDY CO	DUNTY		

# Sample ID: CSW 49 (H246940-65)

BTEX 8021B	mg,	/kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/16/2024	ND	2.22	111	2.00	0.688	
Toluene*	<0.050	0.050	11/16/2024	ND	2.31	116	2.00	0.968	
Ethylbenzene*	<0.050	0.050	11/16/2024	ND	2.24	112	2.00	1.24	
Total Xylenes*	<0.150	0.150	11/16/2024	ND	7.13	119	6.00	0.936	
Total BTEX	<0.300	0.300	11/16/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	106	% 71.5-13	4						
Chloride, SM4500Cl-B	mg/	/kg	Analyze	d By: CT					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	16.0	16.0	11/15/2024	ND	432	108	400	0.00	
TPH 8015M	mg/	/kg	Analyze	d By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/15/2024	ND	219	109	200	0.315	
DRO >C10-C28*	<10.0	10.0	11/15/2024	ND	203	101	200	1.62	
EXT DRO >C28-C36	<10.0	10.0	11/15/2024	ND					
Surrogate: 1-Chlorooctane	89.6	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	<i>89.3</i>	% 49.1-14	8						

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# Analytical Results For:

		PIMA ENVIROMENTAL SEBASTIAN OROZCO 1601 N TURNER STE. 500 HOBBS NM, 88240 Fax To:		
Received:	11/14/2024		Sampling Date:	11/11/2024
Reported:	11/20/2024		Sampling Type:	Soil
Project Name:	WEST PEARL QUEEN	1	Sampling Condition:	Cool & Intact
Project Number:	19-12		Sample Received By:	Shalyn Rodriguez
Project Location:	ARMSTRONG-EDDY	COUNTY		

# Sample ID: CSW 50 (H246940-66)

BTEX 8021B	mg,	/kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/16/2024	ND	2.22	111	2.00	0.688	
Toluene*	<0.050	0.050	11/16/2024	ND	2.31	116	2.00	0.968	
Ethylbenzene*	<0.050	0.050	11/16/2024	ND	2.24	112	2.00	1.24	
Total Xylenes*	<0.150	0.150	11/16/2024	ND	7.13	119	6.00	0.936	
Total BTEX	<0.300	0.300	11/16/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	105	% 71.5-13	4						
Chloride, SM4500Cl-B	mg/	/kg	Analyze	d By: CT					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	16.0	16.0	11/15/2024	ND	432	108	400	0.00	
TPH 8015M	mg/	/kg	Analyze	d By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/15/2024	ND	219	109	200	0.315	
DRO >C10-C28*	<10.0	10.0	11/15/2024	ND	203	101	200	1.62	
EXT DRO >C28-C36	<10.0	10.0	11/15/2024	ND					
Surrogate: 1-Chlorooctane	88.2	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	88.8	% 49.1-14	8						

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Celey D. Keene, Lab Director/Quality Manager



# Analytical Results For:

	SI 10 H	IMA ENVIROMENTAL EBASTIAN OROZCO 601 N TURNER STE. 500 IOBBS NM, 88240 ax To:		
Received:	11/14/2024		Sampling Date:	11/11/2024
Reported:	11/20/2024		Sampling Type:	Soil
Project Name:	WEST PEARL QUEEN		Sampling Condition:	Cool & Intact
Project Number:	19-12		Sample Received By:	Shalyn Rodriguez
Project Location:	ARMSTRONG-EDDY CO	DUNTY		

# Sample ID: CSW 51 (H246940-67)

BTEX 8021B	mg/	kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/16/2024	ND	2.22	111	2.00	0.688	
Toluene*	<0.050	0.050	11/16/2024	ND	2.31	116	2.00	0.968	
Ethylbenzene*	<0.050	0.050	11/16/2024	ND	2.24	112	2.00	1.24	
Total Xylenes*	<0.150	0.150	11/16/2024	ND	7.13	119	6.00	0.936	
Total BTEX	<0.300	0.300	11/16/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	106 9	% 71.5-13	4						
Chloride, SM4500Cl-B	mg/	'kg	Analyze	d By: CT					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	11/15/2024	ND	432	108	400	0.00	
TPH 8015M	mg/	'kg	Analyze	d By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/15/2024	ND	219	109	200	0.315	
DRO >C10-C28*	<10.0	10.0	11/15/2024	ND	203	101	200	1.62	
EXT DRO >C28-C36	<10.0	10.0	11/15/2024	ND					
Surrogate: 1-Chlorooctane	84.4	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	83.0	% 49.1-14	8						

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Celey D. Keene, Lab Director/Quality Manager



# **Notes and Definitions**

S-05	The surrogate recovery is outside of lab established statistical control limits but still within method limits. Data is not adversely affected.
ND	Analyte NOT DETECTED at or above the reporting limit
RPD	Relative Percent Difference
**	Samples not received at proper temperature of 6°C or below.
***	Insufficient time to reach temperature.
-	Chloride by SM4500CI-B does not require samples be received at or below 6°C
	Samples reported on an as received basis (wet) unless otherwise noted on report

#### **Cardinal Laboratories**

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Celez D. Keine

Celey D. Keene, Lab Director/Quality Manager

# **CARDINAL** Laboratories

# CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

	101 East Marland, Hobbs, NM 882 (575) 393-2326 FAX (575) 393-2470													_				_					-07			
	Pima Environmental Servi		3							B	IL.	L TO		_	-	_	-	AN	IALY	SIS	RE	QUE	ST	-	1	
Project Manager	: Sebastian Orozco					_			). #:		_															
	4 N. Lovington Hwy						_	Cor	npa	ny:	Ar	mstro	ng													
city: Hobbs		Zip	: 8	824	40			Att	n:				~													
Phone #: 575-							_	Add	dres	s:																
Project #: 19-1		A	rn	St	rong			City	y:																	
	West Pear Queen				J			Sta	te:		z	Zip:														
Project Location	Edy Caraty							Phe	one	#:												1				
Sampler Name	marisa Loya							Fax	(#:																	
FOR LAB USE ONLY	1.001.0 -010-	Γ	Г		MA	TRI	Х		PRE	SER	V.	SAMPL	NG	2												
Lab I.D. H241940 - 2 3 4 5 4 5 4 7 8 9	Sample I.D. C571-Bottom C572-Bottom C573-Bottom C573-Bottom C575-Bottom C576-Bottom C578-Bottom C578-Bottom C578-Bottom C578-Bottom	(G)RAB OR (C)OMP	# CONTAINERS	GROUNDWATER	WASTEWATER	OIL	SLUDGE	OTHER:	ACID/BASE:	X ICE / COOL	OHEK		TIME 3:44 3:41 3:50 3:50 3:52 3:56 4:00 4:04 4:07 4:07 4:11 4:17	- Children	Hall X-	1775	X DICY									
LO	C380 -Bott-OM	any cla	im ari	ing wh	ether bar	sed in	contrac	t or to	rt, shai	be limi	ited to		id by the client f		11	-	4	_	-	-	-	-	-	-	-	
the second shall be	ing those for negligence and any other cause whatsoever shall be	deem	ed wai	tation, I	ess made ousiness	e in wr	iling an uptions	d rece	ived by of use, i	or loss	nal wi of pro	ithin 30 days at ofits incurred by	er completion of client, its subsid	the applic laries,	cable											
Relinquished B	ing out of or related to the performance of services hereunder by.	R	ece ece	ved	By:			<u>ni bas</u>	Y	U	l	y	Phone Ri Fax Resu REMARK	esult: ult:	S	es	ndo	D A	dd'l P dd'l F		#:					
	: (Circle One) -7.12(0-0) - Bus - Other: -7.72		10		Samp Cool	in	tact				CK	ED BY:	C	šel	as	ti	m	DI	Din	na	0ì	1.0	DM	ı		

+ Cardinal cannot account varhal channes Dlages far written channes to (575) 202.9296

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**CARDINAL** Laboratories

# CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

	101 East Marland, Hobbs, NM 882 (575) 393-2326 FAX (575) 393-247																		_							
	Pima Environmental Servi		s					Γ		B	IL	LTO	-		_	_		AN	AL	YSIS	RE	QUE	EST		_	-
	r: Sebastian Orozco							Ρ.	0. #.																	
	14 N. Lovington Hwy							c	omp	any:	Ar	mstra	ong													
City: Hobbs		Zip	: 8	82	40			A	ttn:				1													
Phone #: 575-								A	ddre	ss:																
Project #: 19		.10	rn	St	ran	a		c	ity:																	
Project #: 11	1001 Decel Avean	. 1	1"	120	LUT	1		1	tate:		z	lip:		1												
Project Name:	West Pear   Oween					-		t	hone	#.				1												
Project Location	n:		-						ax #:					1												
FOR LAB USE ONLY		-	<b>—</b>	-	M	ATR	XIX		_	ESER	V.	SAMPL	ING	1	1 ×											
Lab I.D.	Sample I.D.	(G)RAB OR (C)OMP	# CONTAINERS	GROUNDWATER	WASTEWATER	X SOIL	OIL	OTUED .	ACID/BASE:	X ICE / COOL	OTHER	DATE	TIME 4:19	× RTEX	X CHINC		4114									
11	CS81-Bottom	t	t			í	+	+	t	î	1	1	4:20	1	1	lí										_
12	CS82-Bottom CS83-Bottom	t	t			t	+	t	t	tt	1		4:23	11	17	11										_
13	CS84 -Bottom	t	t			t	+	T	1	T	1		4:30	11		Π									+	_
	CS85 - Bottom	t	t			t		T	1		1	1.1	4:33						_	-		-		-	_	-
15	CS86-Bottom	1	1			T							4:37					_			-	-	_	-	-	-
10	CSW	1	T			1							4:35	11	11			_	_	-	-	-	-	-	-	-
18	CSWZ	T											4:39	11	11		$\downarrow$	-	_	_	-			+	-	
19	CSW3												4:41		11	-	$\left  \right $	-		_	-	+	-	+	-	
20	CSUN												4:43	(a) the	1		1	_			_	_	_			
analyses. All claims inclu	and Damages. Cardinal's liability and client's exclusive remedy to using those for negligence and any other cause whatsoever shall b (Cardinal be liable for incidental or consequental damages, includi rising out of or related to the performance of services hereunder by	e deem	Hed wa	nu Devi	bueine	un inter	empliat	ns lo	us of use	a or loss	of pro	ofits incurred by	client, its subsid	fiaries,	cable											_
Relinquished I	rising out of or related to the performance of services hereunder by	R	lece	81/01620	By:	11101 00	1¢	10	n	l	e	Y	Phone R Fax Res REMAR		ter	nes NO	an	d	Add'l I	Phone Fax #:						
	y: (Circle One) -71200	10	iu	0	Coo	i 1	Cond ntac	t	· .			ED BY: ials)	4	Sei	bai	57	iar	ia	UF	in	na	Si	1.a	Sn	1	

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Laboratories

# CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

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city: Hobbs		Zip:	8	8240			Attn	:	_		/											
Phone #: 575-	964-7740 Fax #:						Add	ress:					- 1									
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Project Name:	West Pearl Queen				~		State	e:	Z	ip:												
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**CARDINAL** Laboratories

# CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

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PLEASE NOTE: Liability a	and Damages, Cardinal's liability and client's exclusive remedy for ing those for negligence and any other cause whatsoever shall b	e déemi	ed wai	ved unles	s made in	writing	and re	ceived	by Cardi	inal wi	ithin 30 days a	fter completion of	f the applic	able									
service. In no event shall (	ing those for negligence and any other cause whatsoever shall b Cardinal be liable for incidental or consequental damages, includi sing out of or related to the performance of services hereunder by	ng witho Cardin	al, reg	itation, bu ardless of	siness int whether	erruptio such cla	ns, los sim is t	s of use based u	pon any	of the	above stated	reasons or other	wise.			No	Add'l	Phone	e #:		_		
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Laboratories

# CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

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# Laboratories

# CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

	101 East Marland, Hobbs, NM 882 (575) 393-2326 FAX (575) 393-2470										12						
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analyses. All claims incluser service. In no event shall affiliates or successors are Relinquished for Relinquished for Delivered B	ting those for negligence and any other cause whatover scale of cardinal be liable for incidential or consequential damages, including and out of or related to the performance of services hereunder by By: Me Adamse Time: 8324	R	ece	ived E	siness in whether By:	a Cor Inta	nditic	as of use based u	che or loss o pon any of	of profits	bove stated	y client, its subsid	iiaries, vise. esult: ult: (S:	St	an	Add'I Phone #: No Add'I Fax #: dard Stian D Pimaoil.com	

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Laboratories

# CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

	101 East Marland, Hobbs, NM 882 (575) 393-2326 FAX (575) 393-2470																					
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city: Hobbs		Zip:	88	240			Attn				_	/										
Phone #: 575-		10		,			Add	Iress														
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Project Location	Eddy County						Pho	ne #	t:													
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General Information Phone: (505) 629-6116

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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

Action 421983

QUESTION	NS
Operator:	OGRID:
ARMSTRONG ENERGY CORP	1092
P.O. Box 1973	Action Number:
Roswell, NM 88202	421983
	Action Type:
	[C-141] Remediation Closure Request C-141 (C-141-v-Closure)

#### QUESTIONS

Prerequisites	
Incident ID (n#)	nOY1816446096
Incident Name	NOY1816446096 WEST PEARL QUEEN HISTORIC SITE GW @ 0
Incident Type	Release Other
Incident Status	Remediation Closure Report Received
Incident Facility	[fOY1816445881] Armstrong West Pearl Queen historic site

#### Location of Release Source

Please answer all the questions in this group.	
------------------------------------------------	--

Site Name	WEST PEARL QUEEN HISTORIC SITE GW
Date Release Discovered	06/13/2018
Surface Owner	State

#### Incident Details

Please answer all the questions in this group.	
Incident Type	Release Other
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	Νο
Has this release endangered or does it have a reasonable probability of endangering public health	Νο
Has this release substantially damaged or will it substantially damage property or the environment	Νο
Is this release of a volume that is or may with reasonable probability be detrimental to fresh water	Yes

#### Nature and Volume of Release

Material(s) released, please answer all that apply below. Any calculations or specific justifications fo	r the volumes provided should be attached to the follow-up C-141 submission.
Crude Oil Released (bbls) Details	Not answered.
Produced Water Released (bbls) Details	Not answered.
Is the concentration of chloride in the produced water >10,000 mg/l	Not answered.
Condensate Released (bbls) Details	Not answered.
Natural Gas Vented (Mcf) Details	Not answered.
Natural Gas Flared (Mcf) Details	Not answered.
Other Released Details	Cause: Other   Pit (Specify)   Other (Specify)   Released: 0 BBL   Recovered: 1,007 BBL   Lost: -1,007 BBL.
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

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QUESTIONS, Page 2

Action 421983

QUESTIONS (continued)		
Operator:	OGRID:	
ARMSTRONG ENERGY CORP	1092	
P.O. Box 1973	Action Number:	
Roswell, NM 88202	421983	
	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)	More info needed to determine if this will be treated as a "gas only" report.	
ĺ	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: (4) a release of a volume that may with reasonable probability be detrimental to fresh water; (?) reported amounts release resulting in negative volume.	
	With the implementation of the 19.15.27 NMAC (05/25/2021), venting and/or flaring of natural gas (i.e. gas only) are to be submitted on the C-129 form.		

Initial Response		
The responsible party must undertake the following actions immediately unless they could create a safety hazard that would result in injury.		
The source of the release has been stopped	True	
The impacted area has been secured to protect human health and the environment	True	
Released materials have been contained via the use of berms or dikes, absorbent pads, or other containment devices	True	
All free liquids and recoverable materials have been removed and managed appropriately	True	
If all the actions described above have not been undertaken, explain why	Not answered.	
	ation immediately after discovery of a release. If remediation has begun, please prepare and attach a narrative of ed 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.	
I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to OCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the OCD does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment. In addition, OCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations.		
I hereby agree and sign off to the above statement	Name: Jeffery Tew Title: Operations Engineer Email: Jtew@aecnm.com Date: 01/17/2025	

General Information Phone: (505) 629-6116

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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** (continued)

Operator:	OGRID:
ARMSTRONG ENERGY CORP	1092
P.O. Box 1973	Action Number:
Roswell, NM 88202	421983
	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)	Greater than 5 (mi.)	
An occupied permanent residence, school, hospital, institution, or church	Greater than 5 (mi.)	
A spring or a private domestic fresh water well used by less than five households for domestic or stock watering purposes	Greater than 5 (mi.)	
Any other fresh water well or spring	Between 1 and 5 (mi.)	
Incorporated municipal boundaries or a defined municipal fresh water well field	Greater than 5 (mi.)	
A wetland	Greater than 5 (mi.)	
A subsurface mine	Greater than 5 (mi.)	
An (non-karst) unstable area	Greater than 5 (mi.)	
Categorize the risk of this well / site being in a karst geology	Low	
A 100-year floodplain	Greater than 5 (mi.)	
Did the release impact areas not on an exploration, development, production, or storage site	No	

#### Remediation Plan

Please answer all the questions that apply or are indicated. This information must be provided to the	appropriate district office no later than 90 days after the release discovery date.
Requesting a remediation plan approval with this submission	Yes
Attach a comprehensive report demonstrating the lateral and vertical extents of soil contamination as	sociated 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 millign	rams per kilograms.)
Chloride (EPA 300.0 or SM4500 Cl B)	1150
TPH (GRO+DRO+MRO) (EPA SW-846 Method 8015M)	1624
GRO+DRO (EPA SW-846 Method 8015M)	631
BTEX (EPA SW-846 Method 8021B or 8260B)	0
Benzene (EPA SW-846 Method 8021B or 8260B)	0
Per Subsection B of 19.15.29.11 NMAC unless the site characterization report includes completed eff which includes the anticipated timelines for beginning and completing the remediation.	orts at remediation, the report must include a proposed remediation plan in accordance with 19.15.29.12 NMAC,
On what estimated date will the remediation commence	10/10/2024
On what date will (or did) the final sampling or liner inspection occur	11/11/2024
On what date will (or was) the remediation complete(d)	11/10/2024
What is the estimated surface area (in square feet) that will be reclaimed	17022
What is the estimated volume (in cubic yards) that will be reclaimed	1150
What is the estimated surface area (in square feet) that will be remediated	17022
What is the estimated volume (in cubic yards) that will be remediated	1150
These estimated dates and measurements are recognized to be the best guess or calculation at the tin	ne 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.

Action 421983

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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 4

Action 421983

**QUESTIONS** (continued)

Operator:	OGRID:
ARMSTRONG ENERGY CORP	1092
P.O. Box 1973	Action Number:
Roswell, NM 88202	421983
	Action Type:
	[C-141] Remediation Closure Request C-141 (C-141-v-Closure)

#### QUESTIONS

Remediation Plan (continued)

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]
<b>OR</b> which OCD approved well (API) will be used for <b>off-site</b> 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 ef which includes the anticipated timelines for beginning and completing the remediation.	forts at remediation, the report must include a proposed remediation plan in accordance with 19.15.29.12 NMAC,
to report and/or file certain release notifications and perform corrective actions for relea 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@aecom.com

Email: Jtew@aecnm.com Date: 01/17/2025

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 5

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Action 421983

QUESTIONS (continued)		
Operator:	OGRID:	
ARMSTRONG ENERGY CORP	1092	
P.O. Box 1973	Action Number:	
Roswell, NM 88202	421983	
	Action Type:	
	[C-141] Remediation Closure Request C-141 (C-141-v-Closure)	

QUES	TIONS
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Deferral Requests Only	
Only answer the questions in this group if seeking a deferral upon approval this submission. Each of	
Requesting a deferral of the remediation closure due date with the approval of this submission	No

General Information Phone: (505) 629-6116

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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 6

Action 421983

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**QUESTIONS** (continued)

Operator:	OGRID:
ARMSTRONG ENERGY CORP	1092
P.O. Box 1973	Action Number:
Roswell, NM 88202	421983
	Action Type:
	[C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

Sampling Event Information	
Last sampling notification (C-141N) recorded	400283
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	11/11/2024
What was the (estimated) number of samples that were to be gathered	137
What was the sampling surface area in square feet	17700

Remediation Closure Request

Only answer the questions in this group if seeking remediation closure for this release because all remediation steps have been completed.	
Requesting a remediation closure approval with this submission	Yes
Have the lateral and vertical extents of contamination been fully delineated	Yes
Was this release entirely contained within a lined containment area	No
All areas reasonably needed for production or subsequent drilling operations have been stabilized, returned to the sites existing grade, and have a soil cover that prevents ponding of water, minimizing dust and erosion	Yes
What was the total surface area (in square feet) remediated	17022
What was the total volume (cubic yards) remediated	1150
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	17022
What was the total volume (in cubic yards) reclaimed	1150
Summarize any additional remediation activities not included by answers (above)	NA
	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 of
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.	
	Hamo, only row

I hereby agree and sign off to the above statement	Name: Jeffery Tew
	Title: Operations Engineer
Thereby agree and sign on to the above statement	Email: Jtew@aecnm.com
	Date: 01/17/2025

General Information Phone: (505) 629-6116

Online Phone Directory https://www.emnrd.nm.gov/ocd/contact-us

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

QUESTIONS (continued)

Operator:	OGRID:
ARMSTRONG ENERGY CORP	1092
P.O. Box 1973	Action Number:
Roswell, NM 88202	421983
	Action Type:
	[C-141] Remediation Closure Request C-141 (C-141-v-Closure)

#### 

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

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General Information Phone: (505) 629-6116

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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

Operator:	OGRID:
ARMSTRONG ENERGY CORP	1092
P.O. Box 1973	Action Number:
Roswell, NM 88202	421983
	Action Type:
	[C-141] Remediation Closure Request C-141 (C-141-v-Closure)

#### CONDITIONS

Created By		Condition Date
nvelez	None	3/3/2025

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Action 421983