



West Pearl Queen Historic Site
Incident ID NOY1816446096

PREPARED BY:
PIMA ENVIRONMENTAL SERVICES, LLC

PREPARED FOR:
Armstrong Energy Corp.

Site Assessment, Remediation, and
Closure Report

January 16, 2025



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

January 16, 2025

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

Reference Figure 2 for a Topographic map.

Release 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.

4-5-23 & 5-16-23 Soil Sample Results

NMOCD Table 1 Closure Criteria 19.15.29 NMAC (Depth to Groundwater is 0-50')								
ARMSTRONG ENERGY - WEST PEARL QUEEN								
Sampling Date: 4/5/2023, 5/16/2023		NM Approved Laboratory Results						
Sample ID	Depth (BGS)	BTEX mg/kg	Benzene mg/kg	GRO mg/kg	DRO mg/kg	MRO mg/kg	Total TPH mg/kg	Cl mg/kg
S-1	4'	ND	ND	ND	36.8	54.8	91.6	524
	6'	ND	ND	ND	ND	ND	0	749
	8'	ND	ND	ND	ND	ND	0	1150
	9'	ND	ND	ND	ND	ND	0	ND
S-2	10'	ND	ND	ND	138	304	442	448
	12'	ND	ND	ND	105	210	315	47.3
	14'	ND	ND	ND	268	441	709	ND
	15'	ND	ND	ND	ND	ND	0	ND
S-3	Surface	ND	ND	ND	ND	ND	0	ND
	2'	ND	ND	ND	ND	ND	0	135
	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
	7'	ND	ND	ND	375	691	1066	ND
	8'	ND	ND	ND	ND	ND	0	ND
S-5	3'	ND	ND	ND	58.2	73.8	132	280
	5'	ND	ND	ND	ND	ND	0	ND
	7'	ND	ND	ND	ND	ND	0	ND
S-6	3'	ND	ND	ND	35.9	101	136.9	23.8
	5'	ND	ND	ND	ND	ND	0	ND
	7'	ND	ND	ND	ND	ND	0	31.1
S-7	6'	ND	ND	ND	570	961	1531	ND
	8'	ND	ND	ND	288	532	820	ND
	10'	ND	ND	ND	407	675	1082	ND
	11'	ND	ND	ND	ND	ND	0	ND
S-8	3'	ND	ND	ND	ND	ND	0	73
	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
	6"	ND	ND	ND	ND	ND	0	ND
SW 5	6"	ND	ND	ND	631	941	1572	ND
	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 NMOCDD.

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 (NMOCDD). 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.

11-11-24 Confirmation Soil Sample Results

NMOCDD Table 1 Closure Criteria 19.15.29 NMAC (Depth to Groundwater is (0-50'))								
Armstrong Energy/West Pearl Queen								
Sample Date:11/11/24		NM Approved Laboratory Results						
Sample ID	Depth (BGS)	BTEX mg/kg	Benzene mg/kg	GRO mg/kg	DRO mg/kg	MRO mg/kg	Total TPH mg/kg	CI 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

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@aecnrm.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

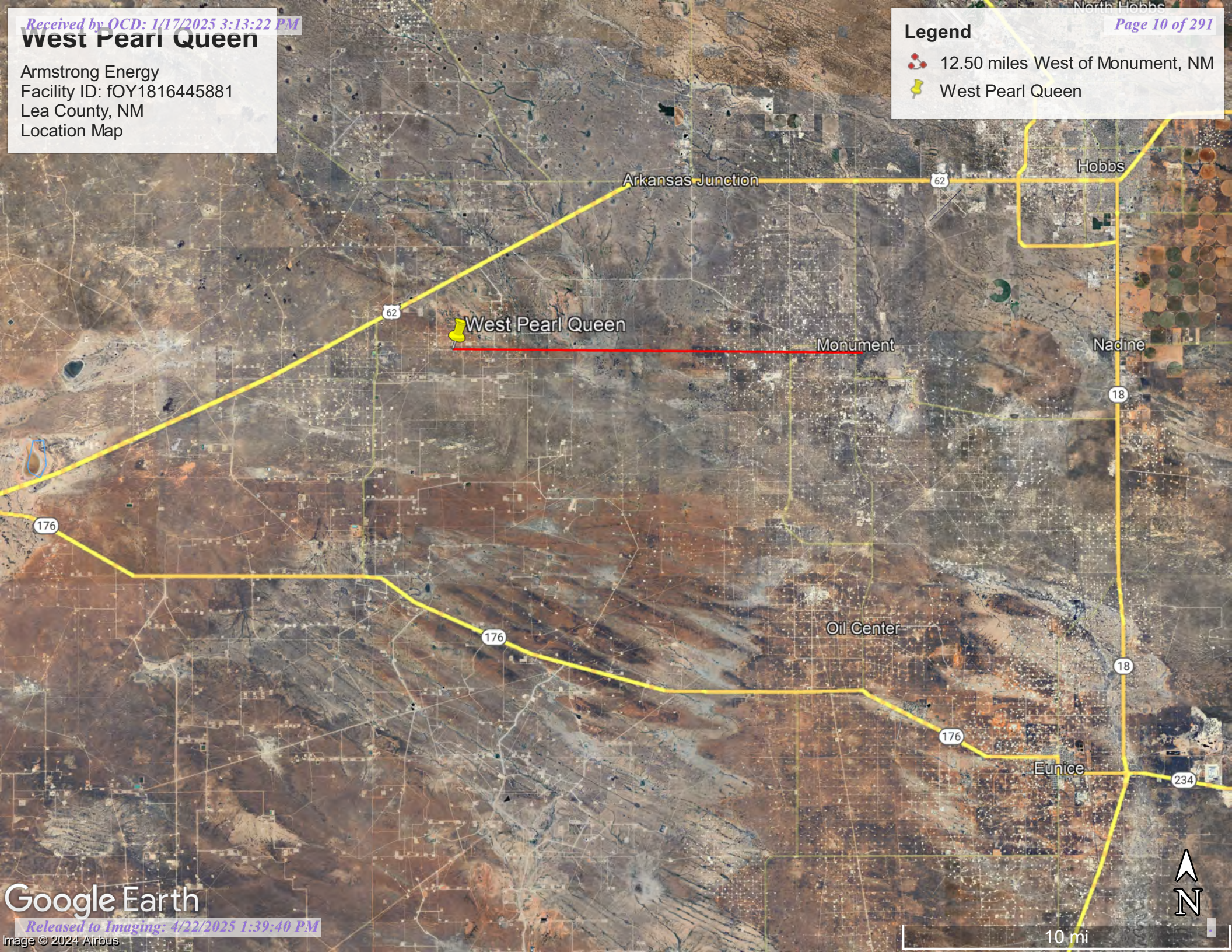
Figure 5- Confirmation Site Map

West Pearl Queen

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

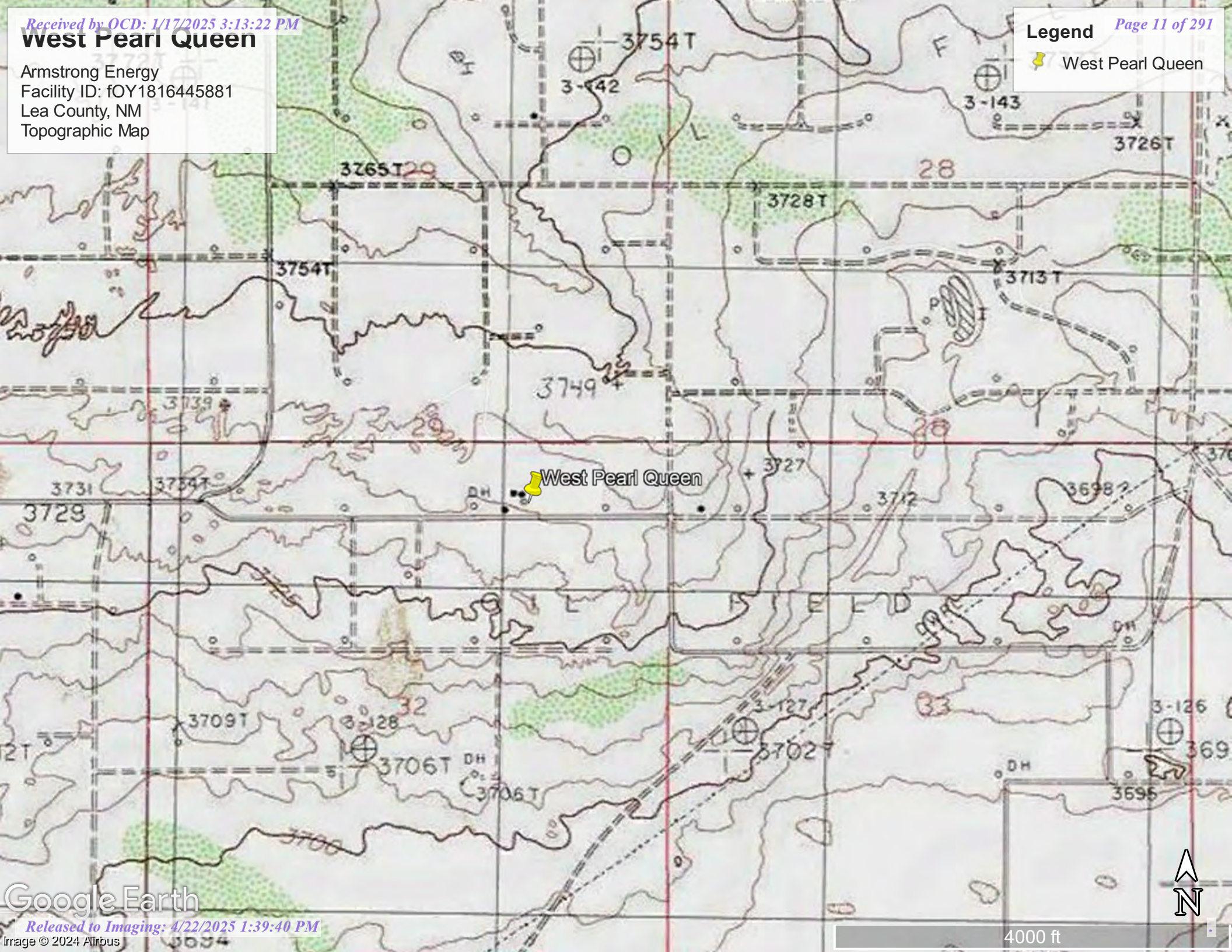
Legend

-  12.50 miles West of Monument, NM
-  West Pearl Queen



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

West Pearl Queen



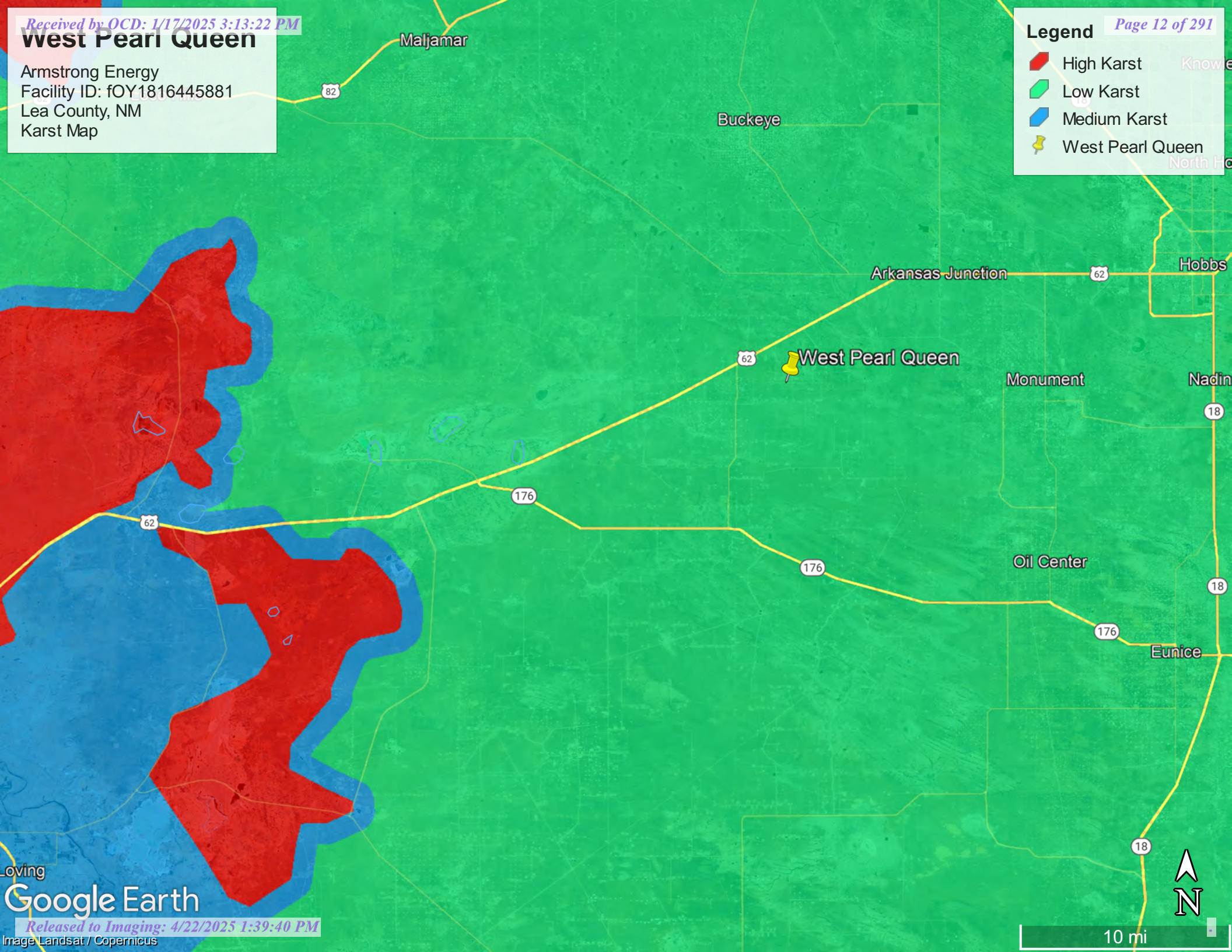
West Pearl Queen

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

Page 12 of 291

Legend

- High Karst
- Low Karst
- Medium Karst
- West Pearl Queen



oving

Google Earth

West Pearl Queen

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

Legend

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

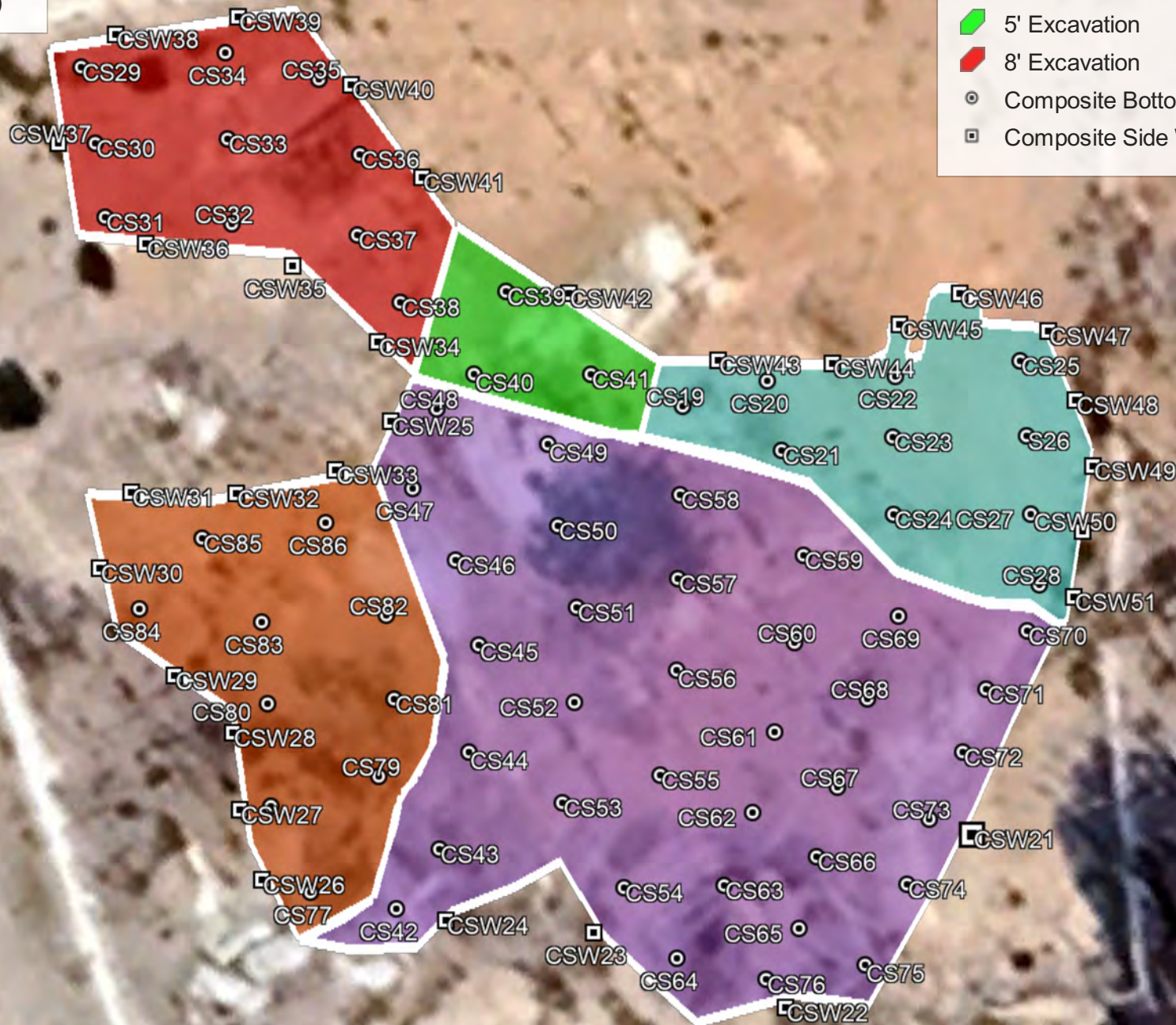


West Pearl Queen

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

Legend

- 11' Excavation
- 14' Excavaton
- 3' Excavation
- 5' Excavation
- 8' Excavation
- Composite Bottom Sample
- Composite Side Wall Sample



West Pearl Queen

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

Legend

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





Appendix A


Water Surveys:

- OSE
- USGS
- Surface Water Map

Point of Diversion Summary

quarters are 1=NW 2=NE 3=SW 4=SE
quarters are smallest to largest

NAD83 UTM in meters

Well Tag	POD Nbr	Q64	Q16	Q4	Sec	Tws	Rng	X	Y	Map
NA	L 14876 POD1	NE	NW	NE	32	19S	35E	643011.3	3610472.6	

* UTM location was derived from PLSS - see Help


Driller License:	1789	Driller Company:	HRL COMPLIANCE SOLUTIONS, INC		
Driller Name:	MUMBY, MARKRT.IEL.NER				
Drill Start Date:	2020-04-08	Drill Finish Date:	2020-04-08	Plug Date:	2020-04-08
Log File Date:	2020-06-16	PCW Rcv Date:		Source:	
Pump Type:		Pipe Discharge Size:		Estimated Yield:	
Casing Size:		Depth Well:	25	Depth Water:	0


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.


West Pearl Queen

Armstrong Energy
Facility ID: fOY1816445881
Lea County, NM
OSE POD Map

Legend

 0.01 of a mile

 L 14876 POD1

 West Pearl Queen



L 14876 POD1
West Pearl Queen



 200 ft



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

National Water Information System: Web Interface

USGS Water Resources

Data Category:

Groundwater

Geographic Area:

United States

GO

Click to hide News Bulletins

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

Groundwater levels for the Nation

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

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

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.

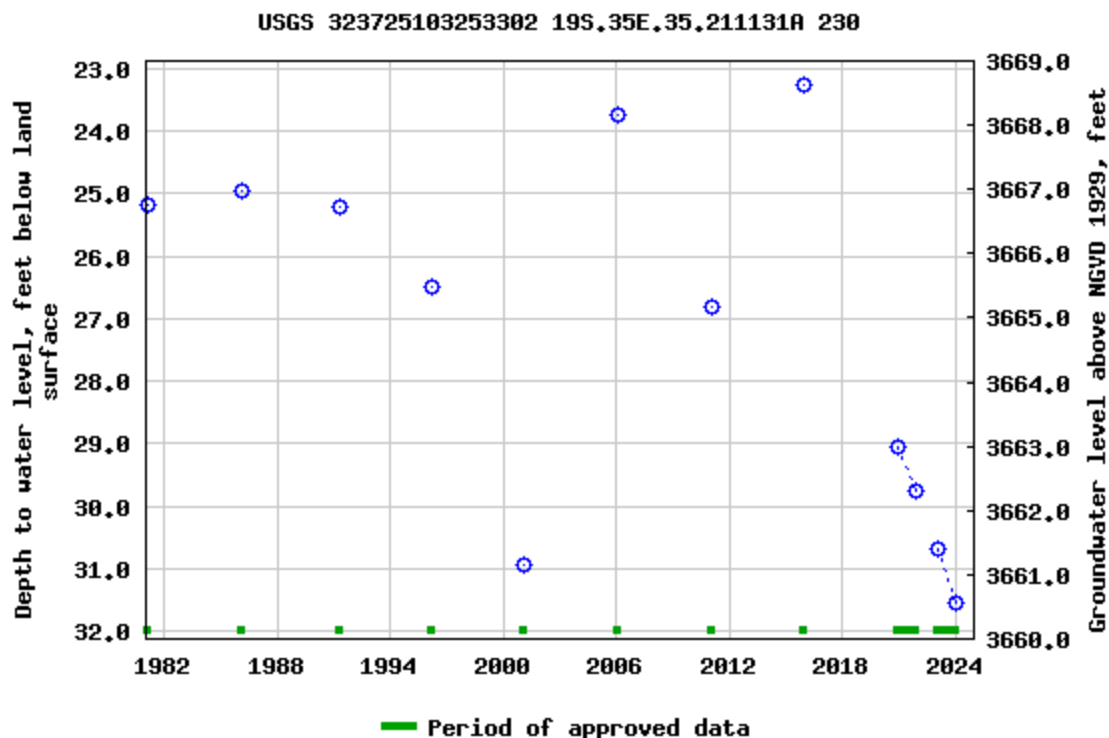
Output formats

[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.
[Download a presentation-quality graph](#)

[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?>

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

Page Last Modified: 2024-12-05 10:20:31 EST




0.78 0.59 nadww02



West Pearl Queen

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

Legend

-  2.81 miles
-  USGS 323725103253302
-  West Pearl Queen

West Pearl Queen

USGS 323725103253302

Google Earth



1 mi

West Pearl Queen

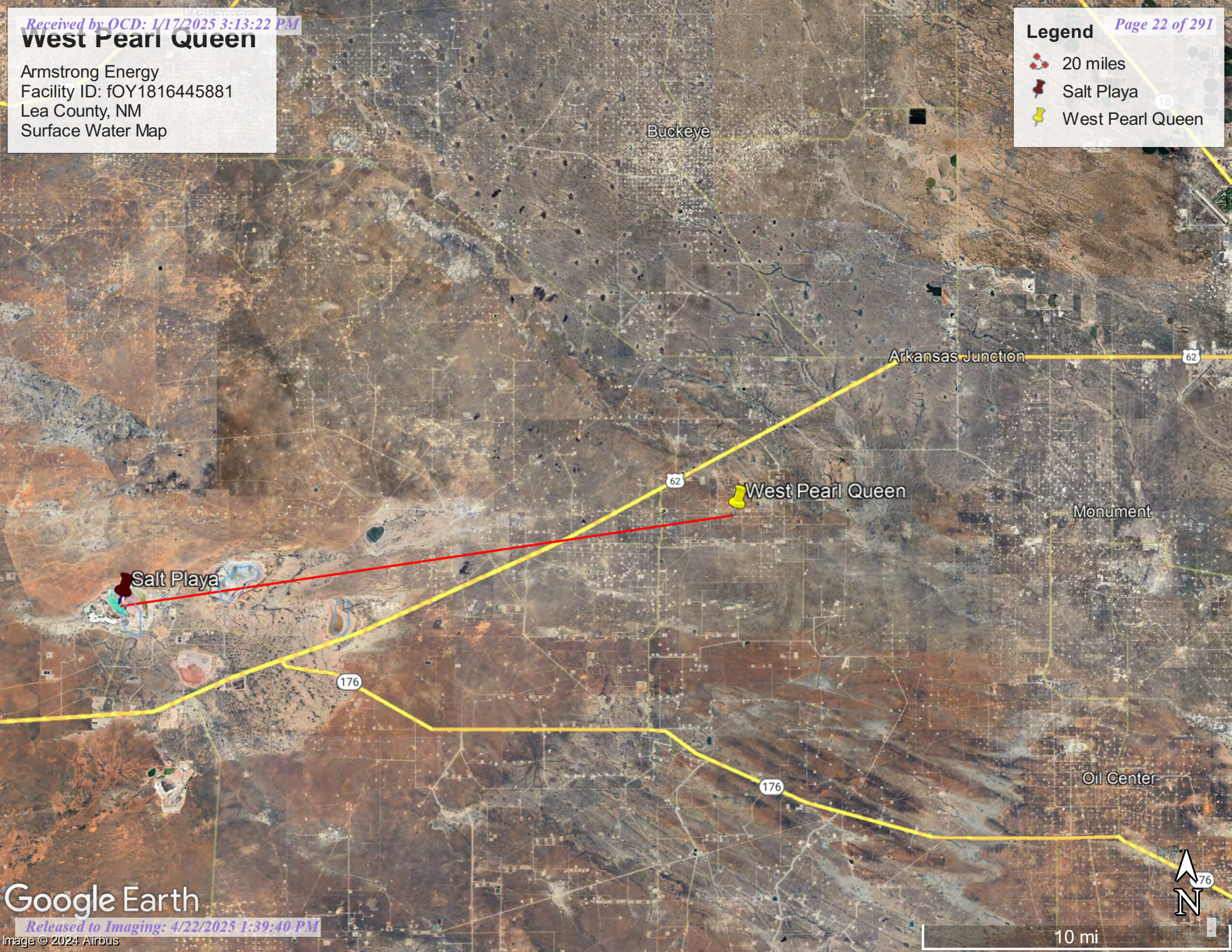
Armstrong Energy
Facility ID: fOY1816445881
Lea County, NM
Surface Water Map

Legend

20 miles

Salt Playa

West Pearl Queen





Appendix B

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

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

Lea County, New Mexico

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

Map Unit Setting

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

Map Unit Composition

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

Description of Kermit

Setting

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

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

Interpretive groups

Land capability classification (irrigated): None specified

Land capability classification (nonirrigated): 7e

Hydrologic Soil Group: A

Ecological site: R070BC022NM - Sandhills

Hydric soil rating: No

Description of Dune Land**Setting**

Landform: Dunes

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

Landform position (three-dimensional): Side slope

Down-slope shape: 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

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

Hydric soil rating: No

Data Source Information

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

Soil Map—Lea County, New Mexico




Natural Resources
Conservation Service

Web Soil Survey
National Cooperative Soil Survey

12/5/2024
Page 1 of 3

MAP LEGEND

Area of Interest (AOI)

 Area of Interest (AOI)

Soils

 Soil Map Unit Polygons

 Soil Map Unit Lines

 Soil Map Unit Points

Special Point Features



Blowout



Borrow Pit



Clay Spot



Closed Depression



Gravel Pit



Gravelly Spot



Landfill



Lava Flow



Marsh or swamp



Mine or Quarry



Miscellaneous Water



Perennial Water



Rock Outcrop



Saline Spot



Sandy Spot



Severely Eroded Spot



Sinkhole



Slide or Slip



Sodic Spot



Spoil Area



Stony Spot



Very Stony Spot



Wet Spot



Other



Special Line Features

Water Features



Streams and Canals

Transportation



Rails



Interstate Highways



US Routes



Major Roads



Local Roads

Background



Aerial Photography

MAP INFORMATION

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

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

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

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

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

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

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

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

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

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

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

Map Unit Legend

Map Unit Symbol	Map Unit Name	Acres in AOI	Percent of AOI
KM	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.doiig.gov/>) |




White House (<https://www.whitehouse.gov/>) | E-gov (<https://www.whitehouse.gov/omb/management/egov/>) |


No Fear Act (<https://www.doi.gov/pmb/eeo/no-fear-act>) | FOIA (<https://www2.usgs.gov/foia>)

West Pearl Queen

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

Legend

-  Eolian and piedmont deposits
-  Piedmont alluvial deposits
-  West Pearl Queen

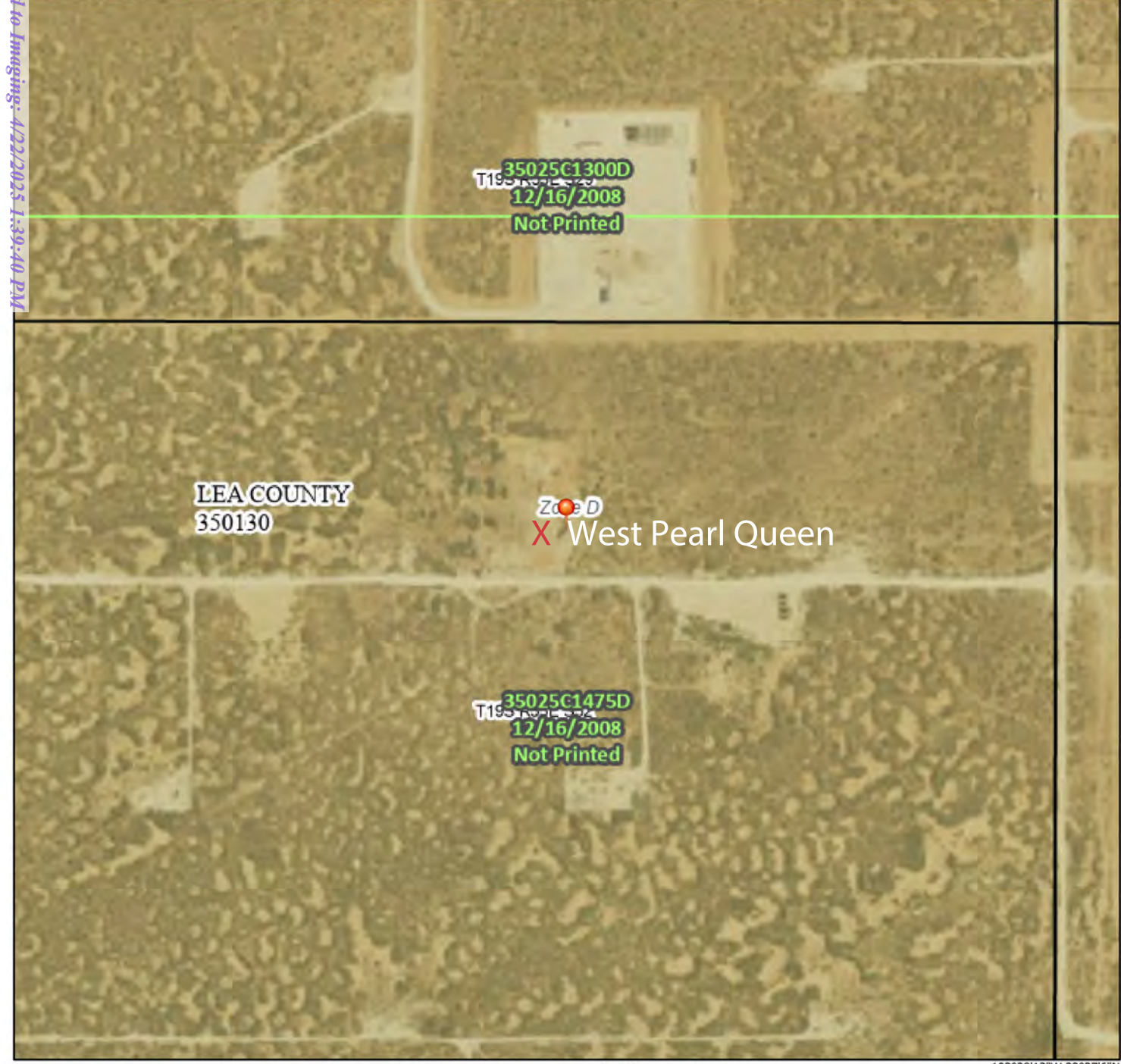
 West Pearl Queen



National Flood Hazard Layer FIRMette



103°28'51"W 32°37'36"N



Legend

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

SPECIAL FLOOD HAZARD AREAS		Without Base Flood Elevation (BFE) Zone A, V, A99
		With BFE or Depth Zone AE, AO, AH, VE, AR
		Regulatory Floodway
OTHER AREAS OF FLOOD HAZARD		0.2% Annual Chance Flood Hazard, Areas of 1% annual chance flood with average depth less than one foot or with drainage areas of less than one square mile Zone X
		Future Conditions 1% Annual Chance Flood Hazard Zone X
		Area with Reduced Flood Risk due to Levee. See Notes. Zone X
		Area with Flood Risk due to Levee Zone X
OTHER AREAS		NO SCREEN Area of Minimal Flood Hazard Zone X
		Effective LOMRs
		Area of Undetermined Flood Hazard Zone D
GENERAL STRUCTURES		Channel, Culvert, or Storm Sewer
		Levee, Dike, or Floodwall
OTHER FEATURES		20.2 Cross Sections with 1% Annual Chance Water Surface Elevation
		Coastal Transect
		Base Flood Elevation Line (BFE)
		Limit of Study
		Jurisdiction Boundary
		Coastal Transect Baseline
		Profile Baseline
		Hydrographic Feature
		Digital Data Available
		No Digital Data Available
MAP PANELS		Unmapped
		The pin displayed on the map is an approximate point selected by the user and does not represent an authoritative property location.

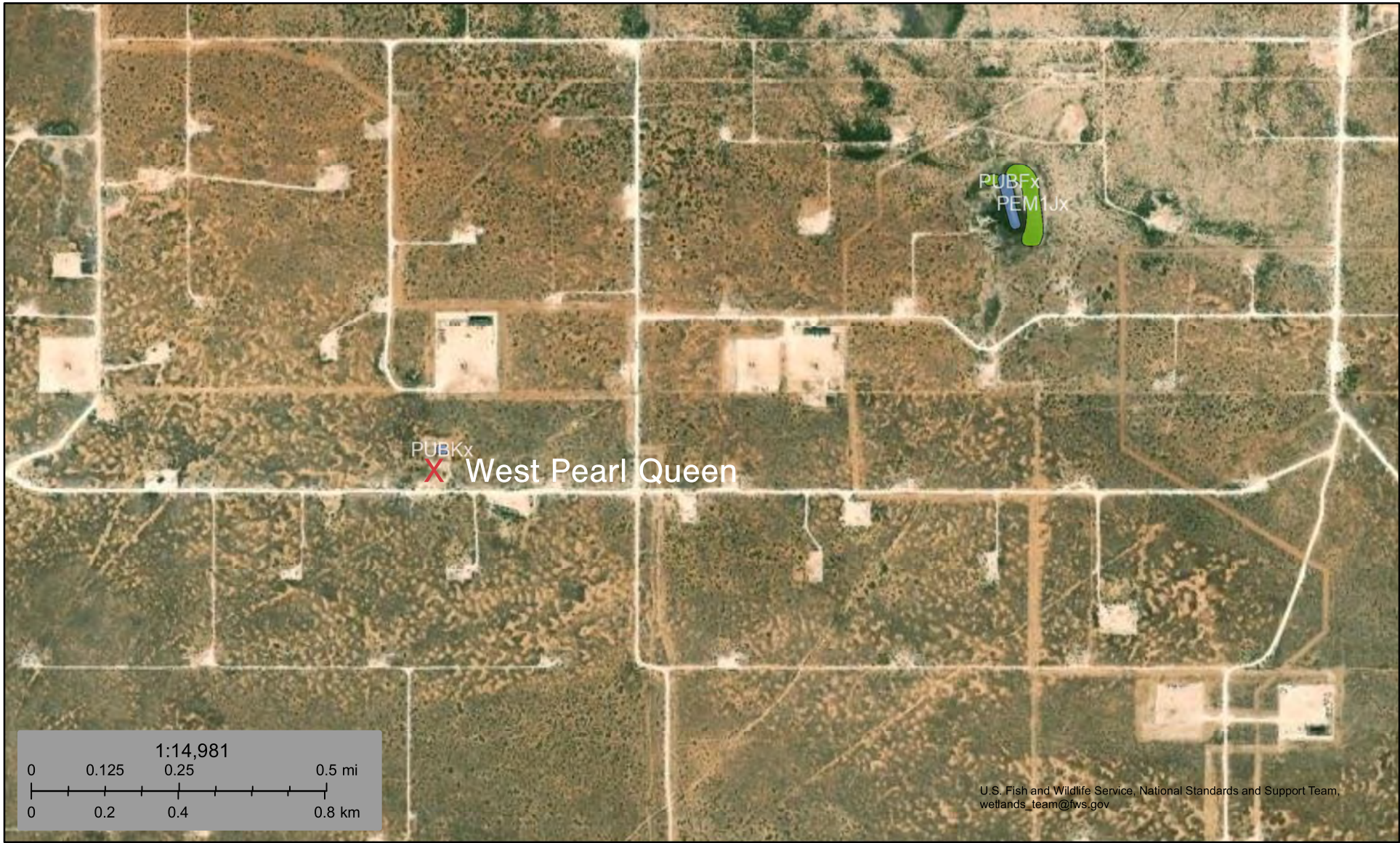
This map complies with FEMA's standards for the use of digital flood maps if it is not void as described below. The basemap shown complies with FEMA's basemap accuracy standards

The flood hazard information is derived directly from the authoritative NFHL web services provided by FEMA. This map was exported on **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 unmapped and unmodernized areas cannot be used for regulatory purposes.









Released to Imaging: 12/2/2025 1:39:40 PM

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



December 5, 2024

Wetlands

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

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



Appendix C

○ 48-Hour Notification

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

Please answer all the questions in this group.

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.	
Please provide any information necessary for observers to contact samplers	Marisa Loya (575) 416-0639
Please provide any information necessary for navigation to sampling site	32.622903, -103.475717

Comments

No comments found for this submission.

Conditions

Summary: *sdu*ttton (11/7/2024). Failure to notify the OCD of sampling events including any changes in date/time per the requirements of 19.15.29.12.D.(1).(a) NMAC, may result in the remediation closure samples not being accepted.

Reasons

No reasons found for this submission.

Go Back



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.



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.

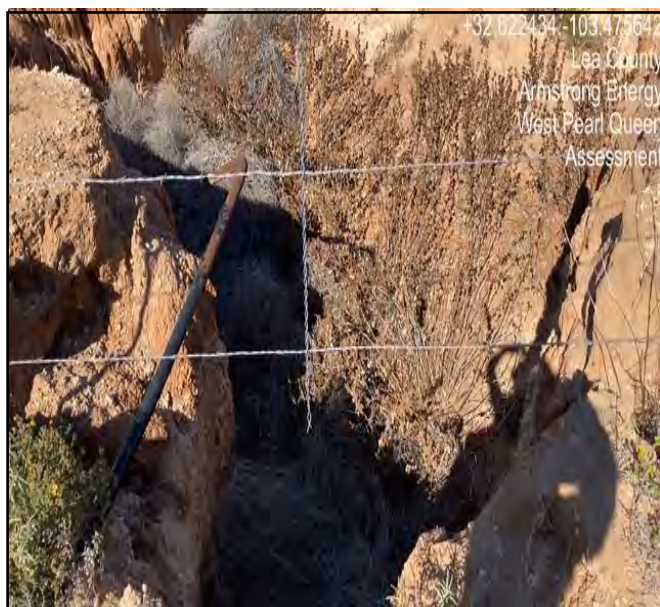


Photo of the release area being assessed by the site tech.



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

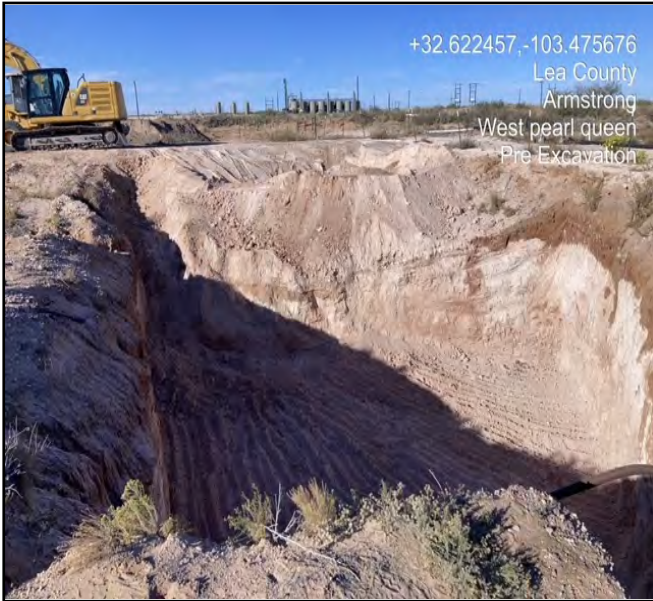


Photo of the release area prior to the commencement of the excavation.



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.



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.

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



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

Report to:
Tom Bynum



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

5796 U.S. Hwy 64
Farmington, NM 87401

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



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

Date Reported: 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 regarding sample receipt temperature, containers, preservation etc. To best understand your test results, review the entire report summarizing your sample data and the associated quality control batch data.

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

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

Respectfully,

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

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

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

Field Offices:

Southern New Mexico Area
Lynn Jarboe
Technical Representative/Client Services
Office: 505-421-LABS(5227)
Cell: 505-320-4759
ljjarboe@envirotech-inc.com

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

Envirotech Web Address: www.envirotech-inc.com

Table of Contents

Title Page	1
Cover Page	2
Table of Contents	3
Sample Summary	5
Sample Data	6
S7 - 10'	6
S8 - 3'	7
S8 - 5'	8
S8 - 7'	9
SW1	10
SW2	11
SW3	12
SW4	13
SW5	14
SW6	15
SW7	16
SW8	17
SW9	18
SW10	19
QC Summary Data	20
QC - Volatile Organic Compounds by EPA 8260B	20
QC - Nonhalogenated Organics by EPA 8015D - GRO	21
QC - Nonhalogenated Organics by EPA 8015D - DRO/ORO	22
QC - Anions by EPA 300.0/9056A	23
Definitions and Notes	24

Table of Contents (continued)

Chain of Custody etc.

25

Sample Summary

Pima Environmental Services-Carlsbad	Project Name:	West Pearl Queen	Reported: 04/13/23 10:24
PO Box 247	Project Number:	21064-0001	
Plains TX, 79355-0247	Project Manager:	Tom Bynum	

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
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.
S8 - 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.
SW9	E304030-13A	Soil	04/05/23	04/07/23	Glass Jar, 2 oz.
SW10	E304030-14A	Soil	04/05/23	04/07/23	Glass Jar, 2 oz.



Sample Data

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

Project Name: West Pearl Queen
Project Number: 21064-0001
Project Manager: Tom Bynum

Reported:
4/13/2023 10:24:08AM

S7 - 10'

E304030-01

Analyte	Result	Reporting Limit	Dilution	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	
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	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	
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 - DRO/ORO						
	mg/kg	mg/kg		Analyst: JL		Batch: 2315001
Diesel Range Organics (C10-C28)	407	25.0	1	04/10/23	04/11/23	
Oil Range Organics (C28-C36)	675	50.0	1	04/10/23	04/11/23	
Surrogate: 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	



Sample Data

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

Project Name: West Pearl Queen
Project Number: 21064-0001
Project Manager: Tom Bynum

Reported:
4/13/2023 10:24:08AM

S8 - 3'

E304030-02

Analyte	Result	Reporting Limit	Dilution	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	
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	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		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		Analyst: 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	110 %	50-200		04/10/23	04/10/23	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: BA		Batch: 2314058
Chloride	73.0	20.0	1	04/07/23	04/07/23	



Sample Data

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

Project Name: West Pearl Queen
Project Number: 21064-0001
Project Manager: Tom Bynum

Reported:
4/13/2023 10:24:08AM

S8 - 5'

E304030-03

Analyte	Result	Reporting Limit	Dilution	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	
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	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		Analyst: 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		Analyst: 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	106 %	50-200		04/10/23	04/10/23	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: BA		Batch: 2314058
Chloride	43.0	20.0	1	04/07/23	04/07/23	



Sample Data

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

Project Name: West Pearl Queen
Project Number: 21064-0001
Project Manager: Tom Bynum

Reported:
4/13/2023 10:24:08AM

S8 - 7'

E304030-04

Analyte	Result	Reporting Limit	Dilution	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	
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	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		Analyst: 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		Analyst: 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	103 %	50-200		04/10/23	04/10/23	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: BA		Batch: 2314058
Chloride	22.6	20.0	1	04/07/23	04/07/23	



Sample Data

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

Project Name: West Pearl Queen
Project Number: 21064-0001
Project Manager: Tom Bynum

Reported:
4/13/2023 10:24:08AM

SW1

E304030-05

Analyte	Result	Reporting Limit	Dilution	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	
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	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		Analyst: 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		Analyst: 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		Analyst: BA		Batch: 2314058
Chloride	ND	20.0	1	04/07/23	04/07/23	



Sample Data

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

Project Name: West Pearl Queen
Project Number: 21064-0001
Project Manager: Tom Bynum

Reported:
4/13/2023 10:24:08AM

SW2

E304030-06

Analyte	Result	Reporting Limit	Dilution	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	
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	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 - 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	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		Analyst: 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	107 %	50-200		04/10/23	04/10/23	
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	



Sample Data

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

Project Name: West Pearl Queen
Project Number: 21064-0001
Project Manager: Tom Bynum

Reported:
4/13/2023 10:24:08AM

SW3

E304030-07

Analyte	Result	Reporting Limit	Dilution	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	
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	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 - 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	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		Analyst: 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		Analyst: BA		Batch: 2314058
Chloride	ND	20.0	1	04/07/23	04/07/23	



Sample Data

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

Project Name: West Pearl Queen
Project Number: 21064-0001
Project Manager: Tom Bynum

Reported:
4/13/2023 10:24:08AM

SW4

E304030-08

Analyte	Result	Reporting Limit	Dilution	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	
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	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		Analyst: 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		Analyst: 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		Analyst: BA		Batch: 2314058
Chloride	ND	20.0	1	04/07/23	04/07/23	



Sample Data

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

Project Name: West Pearl Queen
Project Number: 21064-0001
Project Manager: Tom Bynum

Reported:
4/13/2023 10:24:08AM

SW5

E304030-09

Analyte	Result	Reporting Limit	Dilution	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	
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	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		Analyst: 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		Analyst: JL		Batch: 2315001
Diesel Range Organics (C10-C28)	631	250	10	04/10/23	04/10/23	
Oil 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		Analyst: BA		Batch: 2314058
Chloride	ND	20.0	1	04/07/23	04/07/23	



Sample Data

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

Project Name: West Pearl Queen
Project Number: 21064-0001
Project Manager: Tom Bynum

Reported:
4/13/2023 10:24:08AM

SW6

E304030-10

Analyte	Result	Reporting Limit	Dilution	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	
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	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 - 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	92.2 %	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		Analyst: JL		Batch: 2315001
Diesel Range Organics (C10-C28)	32.9	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	110 %	50-200		04/10/23	04/11/23	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: BA		Batch: 2314058
Chloride	27.4	20.0	1	04/07/23	04/07/23	



Sample Data

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

Project Name: West Pearl Queen
Project Number: 21064-0001
Project Manager: Tom Bynum

Reported:
4/13/2023 10:24:08AM

SW7

E304030-11

Analyte	Result	Reporting Limit	Dilution	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	
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	92.5 %	70-130		04/07/23	04/07/23	
Surrogate: 1,2-Dichloroethane-d4	97.1 %	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: IY		Batch: 2314047
Gasoline Range Organics (C6-C10)	ND	20.0	1	04/07/23	04/07/23	
Surrogate: Bromofluorobenzene	92.5 %	70-130		04/07/23	04/07/23	
Surrogate: 1,2-Dichloroethane-d4	97.1 %	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: 2315001
Diesel Range Organics (C10-C28)	ND	50.0	2	04/10/23	04/10/23	
Oil Range Organics (C28-C36)	ND	100	2	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		Analyst: BA		Batch: 2314058
Chloride	ND	20.0	1	04/07/23	04/07/23	



Sample Data

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

Project Name: West Pearl Queen
Project Number: 21064-0001
Project Manager: Tom Bynum

Reported:
4/13/2023 10:24:08AM

SW8

E304030-12

Analyte	Result	Reporting Limit	Dilution	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	
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	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		Analyst: 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		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	116 %	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	



Sample Data

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

Project Name: West Pearl Queen
Project Number: 21064-0001
Project Manager: Tom Bynum

Reported:
4/13/2023 10:24:08AM

SW9

E304030-13

Analyte	Result	Reporting Limit	Dilution	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	
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	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		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		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		Analyst: BA		Batch: 2314058
Chloride	ND	20.0	1	04/07/23	04/08/23	



Sample Data

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

Project Name: West Pearl Queen
Project Number: 21064-0001
Project Manager: Tom Bynum

Reported:
4/13/2023 10:24:08AM

SW10

E304030-14

Analyte	Result	Reporting Limit	Dilution	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	
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	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: 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		Analyst: BA		Batch: 2314058
Chloride	ND	20.0	1	04/07/23	04/08/23	



QC Summary Data

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	4/13/2023 10:24:08AM

Volatile Organic Compounds by EPA 8260B

Analyst: IY

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

Blank (2314047-BLK1)

Prepared: 04/06/23 Analyzed: 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: 04/06/23 Analyzed: 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			
o-Xylene	2.35	0.0250	2.50		93.9	70-130			
p,m-Xylene	4.56	0.0500	5.00		91.1	70-130			
Total Xylenes	6.90	0.0250	7.50		92.0	70-130			
Surrogate: Bromofluorobenzene	0.515		0.500		103	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.522		0.500		104	70-130			
Surrogate: Toluene-d8	0.498		0.500		99.6	70-130			

Matrix Spike (2314047-MS1)

Source: E304022-02

Prepared: 04/06/23 Analyzed: 04/06/23

Benzene	2.35	0.0250	2.50	ND	94.2	48-131			
Ethylbenzene	2.35	0.0250	2.50	ND	93.9	45-135			
Toluene	2.30	0.0250	2.50	ND	91.9	48-130			
o-Xylene	2.37	0.0250	2.50	ND	95.0	43-135			
p,m-Xylene	4.64	0.0500	5.00	ND	92.7	43-135			
Total Xylenes	7.01	0.0250	7.50	ND	93.5	43-135			
Surrogate: Bromofluorobenzene	0.508		0.500		102	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.525		0.500		105	70-130			
Surrogate: Toluene-d8	0.498		0.500		99.6	70-130			

Matrix Spike Dup (2314047-MSD1)

Source: E304022-02

Prepared: 04/06/23 Analyzed: 04/06/23

Benzene	2.44	0.0250	2.50	ND	97.5	48-131	3.42	23	
Ethylbenzene	2.45	0.0250	2.50	ND	98.0	45-135	4.19	27	
Toluene	2.38	0.0250	2.50	ND	95.3	48-130	3.63	24	
o-Xylene	2.49	0.0250	2.50	ND	99.7	43-135	4.85	27	
p,m-Xylene	4.85	0.0500	5.00	ND	97.0	43-135	4.49	27	
Total Xylenes	7.34	0.0250	7.50	ND	97.9	43-135	4.61	27	
Surrogate: Bromofluorobenzene	0.515		0.500		103	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.531		0.500		106	70-130			
Surrogate: Toluene-d8	0.491		0.500		98.2	70-130			



QC Summary Data

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	4/13/2023 10:24:08AM

Nonhalogenated Organics by EPA 8015D - GRO

Analyst: IY

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

Blank (2314047-BLK1)

Prepared: 04/06/23 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: 04/06/23 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: E304022-02

Prepared: 04/06/23 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: E304022-02

Prepared: 04/06/23 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

Pima Environmental Services-Carlsbad	Project Name:	West Pearl Queen	Reported: 4/13/2023 10:24:08AM
PO Box 247	Project Number:	21064-0001	
Plains TX, 79355-0247	Project Manager:	Tom Bynum	

Nonhalogenated Organics by EPA 8015D - DRO/ORO

Analyst: JL

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

Blank (2315001-BLK1)					Prepared: 04/10/23 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: 04/10/23 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: E304030-01		Prepared: 04/10/23 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: E304030-01		Prepared: 04/10/23 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:	West Pearl Queen	Reported:
PO Box 247	Project Number:	21064-0001	
Plains TX, 79355-0247	Project Manager:	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	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	

Blank (2314058-BLK1)					Prepared: 04/07/23 Analyzed: 04/07/23				
Chloride	ND	20.0							
LCS (2314058-BS1)					Prepared: 04/07/23 Analyzed: 04/07/23				
Chloride	258	20.0	250		103	90-110			
Matrix Spike (2314058-MS1)					Source: E304030-01		Prepared: 04/07/23 Analyzed: 04/07/23		
Chloride	256	20.0	250	ND	102	80-120			
Matrix Spike Dup (2314058-MSD1)					Source: E304030-01		Prepared: 04/07/23 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.



Definitions and Notes

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
- NR Not Reported
- RPD Relative Percent Difference
- DNI Did Not Ignite

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

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

Project Information

Chain of Custody

Client: Pima Environmental Services Project: <u>West Pearl Queen</u> Project Manager: Tom Bynum Address: 5614 N. Lovington Hwy. City, State, Zip: <u>Hobbs, NM, 88240</u> Phone: 580-748-1613 Email: <u>tom@pimaoil.com</u> Report due by:					Bill To Attention: <u>Pima</u> Address: City, State, Zip: Phone: Email: Pima Project # <u>19-12</u>					Lab Use Only Lab WO# <u>E304030</u> Job Number <u>21064-0001</u> Analysis and Method					TAT 1D 2D 3D Standard <u>X</u>				EPA Program CWA SDWA RCRA	
										State NM CO UT AZ TX <u>X</u>				Remarks						
Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Lab Number	DRO/ORO by 8015	GRO/PRO by 8015	BTEX by 8021	VOC by 8260	Metals 6010	Chloride 300.0	BGDOC NM	BGDOC TX							
	4/5/23	Soil	1-202	57-10'	1							X								
				58-3'	2															
				58-5'	3															
				58-7'	4															
				SW1	5															
				SW2	6															
				SW3	7															
				SW4	8															
				SW5	9															
				SW6	10															

Additional Instructions:

I, (field sampler), attest to the validity and authenticity of this sample. I am aware that tampering with or intentionally mislabeling the sample location, date or time of collection is considered fraud and may be grounds for legal action. Sampled by:

Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time
<u>[Signature]</u>	4/6/23	1500	<u>[Signature]</u>	4-6-23	1500
Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time
<u>[Signature]</u>	4-6-23	1745	<u>[Signature]</u>	4-6-23	1745
Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time
<u>[Signature]</u>	4-6-23	2330	<u>[Signature]</u>	4/7/23	8:15

Sample Matrix: S - Soil, Sd - Solid, Sg - Sludge, A - Aqueous, O - Other

Note: Samples are discarded 30 days after results are reported unless other arrangements are made. Hazardous samples will be returned to client or disposed of at the client expense. The report for the analysis of the above samples is applicable only to those samples received by the laboratory with this COC. The liability of the laboratory is limited to the amount paid for on the report.

Project Information

Chain of Custody

Page 4 of 4

Client: Pima Environmental Services Project: <u>West Pearl Queen</u> Project Manager: Tom Bynum Address: 5614 N. Lovington Hwy. City, State, Zip: <u>Hobbs, NM, 88240</u> Phone: 580-748-1613 Email: <u>tom@pimaoil.com</u> Report due by:					Bill To Attention: <u>Pima</u> Address: City, State, Zip: Phone: Email: Pima Project # <u>19-12</u>					Lab Use Only Lab WO# <u>E304030</u> Job Number <u>21064-0001</u> Analysis and Method					TAT 1D 2D 3D Standard <u>X</u>				EPA Program CWA SDWA RCRA	
										State NM CO UT AZ TX <u>X</u>										
Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Lab Number	DRO/DRO by 8015	GRO/DRO by 8015	BTEX by 8021	VOC by 8260	Metals 6010	Chloride 300.0	BGDOC NM	BGDOC TX	Remarks						
	4/5/23	Soil	1-4oz	SW7	11							X								
				SW8	12															
				SW9	13															
				SW10	14															


Additional Instructions:

I, (field sampler), attest to the validity and authenticity of this sample. I am aware that tampering with or intentionally mislabelling the sample location, date or time of collection is considered fraud and may be grounds for legal action.

Samples requiring thermal preservation must be received on ice the day they are sampled or received packed in ice at an avg temp above 0 but less than 5 °C on subsequent days.

Relinquished by: (Signature) <u>[Signature]</u>		Date	Time	Received by: (Signature) <u>[Signature]</u>		Date	Time	Lab Use Only	
Relinquished by: (Signature) <u>[Signature]</u>		4/6/23	1500	Received by: (Signature) <u>[Signature]</u>		4-6-23	1500	Received on ice: <u>Q/N</u>	
Relinquished by: (Signature) <u>[Signature]</u>		4-6-23	1745	Received by: (Signature) <u>[Signature]</u>		4-6-23	1745	T1: T2: T3:	
Relinquished by: (Signature) <u>[Signature]</u>		4-6-23	2330	Received by: (Signature) <u>[Signature]</u>		4/7/23	8:15	AVG Temp °C: <u>4</u>	
Sample Matrix: <u>S</u> - Soil, <u>Sd</u> - Solid, <u>Sg</u> - Sludge, <u>A</u> - Aqueous, <u>O</u> - Other								Container Type: <u>g</u> - glass, <u>p</u> - poly/plastic, <u>ag</u> - amber glass, <u>v</u> - VOA	

Note: Samples are discarded 30 days after results are reported unless other arrangements are made. Hazardous samples will be returned to client or disposed of at the client expense. The report for the analysis of the above samples is applicable only to those samples received by the laboratory with this COC. The liability of the laboratory is limited to the amount paid for on the report.


envirotech

Envirotech Analytical Laboratory

Printed: 4/7/2023 9:58:39AM

Sample Receipt Checklist (SRC)

Instructions: Please take note of any NO checkmarks.

If we receive no response concerning these items within 24 hours of the date of this notice, all the samples will be analyzed as requested.

Client:	Pima Environmental Services-Carlsbad	Date Received:	04/07/23 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 Custody (COC)

1. Does the sample ID match the COC? Yes
2. Does the number of samples per sampling site location match the COC? Yes
3. Were samples dropped off by client or carrier? Yes
4. Was the COC complete, i.e., signatures, dates/times, requested analyses? No
5. Were all samples received within holding time? Yes

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

Carrier: CourierComments/ResolutionSample Turn Around Time (TAT)

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

Sample Cooler

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

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

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

Sample Container

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

Field Label

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

Sample Preservation

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

Multiphase Sample Matrix

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

Subcontract Laboratory

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

Client Instruction

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

Date



envirotech Inc.

Report to:
Tom Bynum



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

5796 U.S. Hwy 64
Farmington, NM 87401

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



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

Date Reported: 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 regarding sample receipt temperature, containers, preservation etc. To best understand your test results, review the entire report summarizing your sample data and the associated quality control batch data.

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

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

Respectfully,

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

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

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

Field Offices:

Southern New Mexico Area
Lynn Jarboe
Technical Representative/Client Services
Office: 505-421-LABS(5227)
Cell: 505-320-4759
ljjarboe@envirotech-inc.com

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

Envirotech Web Address: www.envirotech-inc.com

Table of Contents

Title Page	1
Cover Page	2
Table of Contents	3
Sample Summary	5
Sample Data	6
S1 - 4'	6
S1 - 6'	7
S1 - 8'	8
S2 - 10'	9
S2 - 12'	10
S2 - 14'	11
S3 - Surface	12
S3 - 2'	13
S3 - 4'	14
S4 - 3'	15
S4 - 5'	16
S4 - 7'	17
S5 - 3'	18
S5 - 5'	19
S5 - 7'	20
S6 - 3'	21
S6 - 5'	22
S6 - 7'	23
S7 - 6'	24
S7 - 8'	25

Table of Contents (continued)

QC Summary Data	26
QC - Volatile Organic Compounds by EPA 8260B	26
QC - Nonhalogenated Organics by EPA 8015D - GRO	27
QC - Nonhalogenated Organics by EPA 8015D - DRO/ORO	28
QC - Anions by EPA 300.0/9056A	29
Definitions and Notes	30
Chain of Custody etc.	31

Sample Summary

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

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
S1 - 4'	E304029-01A	Soil	04/05/23	04/07/23	Glass Jar, 2 oz.
S1 - 6'	E304029-02A	Soil	04/05/23	04/07/23	Glass Jar, 2 oz.
S1 - 8'	E304029-03A	Soil	04/05/23	04/07/23	Glass Jar, 2 oz.
S2 - 10'	E304029-04A	Soil	04/05/23	04/07/23	Glass Jar, 2 oz.
S2 - 12'	E304029-05A	Soil	04/05/23	04/07/23	Glass Jar, 2 oz.
S2 - 14'	E304029-06A	Soil	04/05/23	04/07/23	Glass Jar, 2 oz.
S3 - Surface	E304029-07A	Soil	04/05/23	04/07/23	Glass Jar, 2 oz.
S3 - 2'	E304029-08A	Soil	04/05/23	04/07/23	Glass Jar, 2 oz.
S3 - 4'	E304029-09A	Soil	04/05/23	04/07/23	Glass Jar, 2 oz.
S4 - 3'	E304029-10A	Soil	04/05/23	04/07/23	Glass Jar, 2 oz.
S4 - 5'	E304029-11A	Soil	04/05/23	04/07/23	Glass Jar, 2 oz.
S4 - 7'	E304029-12A	Soil	04/05/23	04/07/23	Glass Jar, 2 oz.
S5 - 3'	E304029-13A	Soil	04/05/23	04/07/23	Glass Jar, 2 oz.
S5 - 5'	E304029-14A	Soil	04/05/23	04/07/23	Glass Jar, 2 oz.
S5 - 7'	E304029-15A	Soil	04/05/23	04/07/23	Glass Jar, 2 oz.
S6 - 3'	E304029-16A	Soil	04/05/23	04/07/23	Glass Jar, 2 oz.
S6 - 5'	E304029-17A	Soil	04/05/23	04/07/23	Glass Jar, 2 oz.
S6 - 7'	E304029-18A	Soil	04/05/23	04/07/23	Glass Jar, 2 oz.
S7 - 6'	E304029-19A	Soil	04/05/23	04/07/23	Glass Jar, 2 oz.
S7 - 8'	E304029-20A	Soil	04/05/23	04/07/23	Glass Jar, 2 oz.



Sample Data

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

Project Name: West Pearl Queen
Project Number: 21064-0001
Project Manager: Tom Bynum

Reported:
4/13/2023 1:59:22PM

S1 - 4'

E304029-01

Analyte	Result	Reporting 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	04/07/23	
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	98.9 %	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	
Oil 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	



Sample Data

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

Project Name: West Pearl Queen
Project Number: 21064-0001
Project Manager: Tom Bynum

Reported:
4/13/2023 1:59:22PM

S1 - 6'

E304029-02

Analyte	Result	Reporting 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	04/07/23	
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	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	
Oil 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	



Sample Data

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

Project Name: West Pearl Queen
Project Number: 21064-0001
Project Manager: Tom Bynum

Reported:
4/13/2023 1:59:22PM

S1 - 8'

E304029-03

Analyte	Result	Reporting 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	04/07/23	
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: JL		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	



Sample Data

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

Project Name: West Pearl Queen
Project Number: 21064-0001
Project Manager: Tom Bynum

Reported:
4/13/2023 1:59:22PM

S2 - 10'

E304029-04

Analyte	Result	Reporting 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	04/07/23	
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: JL		Batch: 2314059
Diesel Range Organics (C10-C28)	138	125	5	04/07/23	04/11/23	
Oil Range Organics (C28-C36)	304	250	5	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		Analyst: RAS		Batch: 2314057
Chloride	448	20.0	1	04/07/23	04/07/23	



Sample Data

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

Project Name: West Pearl Queen
Project Number: 21064-0001
Project Manager: Tom Bynum

Reported:
4/13/2023 1:59:22PM

S2 - 12'

E304029-05

Analyte	Result	Reporting 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	04/07/23	
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		Analyst: 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		Analyst: 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		Analyst: RAS		Batch: 2314057
Chloride	47.3	20.0	1	04/07/23	04/07/23	



Sample Data

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

Project Name: West Pearl Queen
Project Number: 21064-0001
Project Manager: Tom Bynum

Reported:
4/13/2023 1:59:22PM

S2 - 14'

E304029-06

Analyte	Result	Reporting 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	04/07/23	
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		Analyst: 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/ORO						
	mg/kg	mg/kg		Analyst: 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		Analyst: RAS		Batch: 2314057
Chloride	ND	20.0	1	04/07/23	04/07/23	



Sample Data

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

Project Name: West Pearl Queen
Project Number: 21064-0001
Project Manager: Tom Bynum

Reported:
4/13/2023 1:59:22PM

S3 - Surface

E304029-07

Analyte	Result	Reporting 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	04/07/23	
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	99.2 %	70-130		04/07/23	04/07/23	
Surrogate: 1,2-Dichloroethane-d4	116 %	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	99.2 %	70-130		04/07/23	04/07/23	
Surrogate: 1,2-Dichloroethane-d4	116 %	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)	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	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	



Sample Data

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

Project Name: West Pearl Queen
Project Number: 21064-0001
Project Manager: Tom Bynum

Reported:
4/13/2023 1:59:22PM

S3 - 2'

E304029-08

Analyte	Result	Reporting 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	04/07/23	
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	99.0 %	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		Batch: 2314055
Gasoline Range Organics (C6-C10)	ND	20.0	1	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: JL		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	100 %	50-200		04/07/23	04/10/23	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2314057
Chloride	135	20.0	1	04/07/23	04/07/23	



Sample Data

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

Project Name: West Pearl Queen
Project Number: 21064-0001
Project Manager: Tom Bynum

Reported:
4/13/2023 1:59:22PM

S3 - 4'

E304029-09

Analyte	Result	Reporting 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	04/07/23	
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	97.4 %	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: SL		Batch: 2314055
Gasoline Range Organics (C6-C10)	ND	20.0	1	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		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	95.8 %	50-200		04/07/23	04/10/23	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2314057
Chloride	889	20.0	1	04/07/23	04/07/23	



Sample Data

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

Project Name: West Pearl Queen
Project Number: 21064-0001
Project Manager: Tom Bynum

Reported:
4/13/2023 1:59:22PM

S4 - 3'

E304029-10

Analyte	Result	Reporting 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	04/07/23	
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	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	



Sample Data

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

Project Name: West Pearl Queen
Project Number: 21064-0001
Project Manager: Tom Bynum

Reported:
4/13/2023 1:59:22PM

S4 - 5'

E304029-11

Analyte	Result	Reporting 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	04/07/23	
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	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	
Oil 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	



Sample Data

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

Project Name: West Pearl Queen
Project Number: 21064-0001
Project Manager: Tom Bynum

Reported:
4/13/2023 1:59:22PM

S4 - 7'

E304029-12

Analyte	Result	Reporting 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	04/07/23	
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	



Sample Data

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

Project Name: West Pearl Queen
Project Number: 21064-0001
Project Manager: Tom Bynum

Reported:
4/13/2023 1:59:22PM

S5 - 3'

E304029-13

Analyte	Result	Reporting 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	04/07/23	
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	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	
Oil 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	



Sample Data

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

Project Name: West Pearl Queen
Project Number: 21064-0001
Project Manager: Tom Bynum

Reported:
4/13/2023 1:59:22PM

S5 - 5'

E304029-14

Analyte	Result	Reporting 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	04/07/23	
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	97.2 %	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	
Oil 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	



Sample Data

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

Project Name: West Pearl Queen
Project Number: 21064-0001
Project Manager: Tom Bynum

Reported:
4/13/2023 1:59:22PM

S5 - 7'

E304029-15

Analyte	Result	Reporting 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	04/07/23	
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		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/ORO						
	mg/kg	mg/kg		Analyst: JL		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		Analyst: RAS		Batch: 2314057
Chloride	ND	20.0	1	04/07/23	04/10/23	



Sample Data

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

Project Name: West Pearl Queen
Project Number: 21064-0001
Project Manager: Tom Bynum

Reported:
4/13/2023 1:59:22PM

S6 - 3'

E304029-16

Analyte	Result	Reporting 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	04/08/23	
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		Analyst: 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/ORO						
	mg/kg	mg/kg		Analyst: JL		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		Analyst: RAS		Batch: 2314057
Chloride	23.8	20.0	1	04/07/23	04/10/23	



Sample Data

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

Project Name: West Pearl Queen
Project Number: 21064-0001
Project Manager: Tom Bynum

Reported:
4/13/2023 1:59:22PM

S6 - 5'

E304029-17

Analyte	Result	Reporting 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	04/08/23	
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	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	
Oil 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	



Sample Data

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

Project Name: West Pearl Queen
Project Number: 21064-0001
Project Manager: Tom Bynum

Reported:
4/13/2023 1:59:22PM

S6 - 7'

E304029-18

Analyte	Result	Reporting 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	04/08/23	
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	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	Analyst: 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	Analyst: JL		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	86.3 %	50-200		04/07/23	04/10/23	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: RAS		Batch: 2314057	
Chloride	31.1	20.0	1	04/07/23	04/10/23	



Sample Data

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

Project Name: West Pearl Queen
Project Number: 21064-0001
Project Manager: Tom Bynum

Reported:
4/13/2023 1:59:22PM

S7 - 6'

E304029-19

Analyte	Result	Reporting 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	04/08/23	
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	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: JL		Batch: 2314059
Diesel Range Organics (C10-C28)	570	250	10	04/07/23	04/11/23	
Oil 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	



Sample Data

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

Project Name: West Pearl Queen
Project Number: 21064-0001
Project Manager: Tom Bynum

Reported:
4/13/2023 1:59:22PM

S7 - 8'

E304029-20

Analyte	Result	Reporting 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	
Ethylbenzene	ND	0.0250	1	04/07/23	04/10/23	
Toluene	ND	0.0250	1	04/07/23	04/10/23	
o-Xylene	ND	0.0250	1	04/07/23	04/10/23	
p,m-Xylene	ND	0.0500	1	04/07/23	04/10/23	
Total Xylenes	ND	0.0250	1	04/07/23	04/10/23	
Surrogate: Bromofluorobenzene	99.6 %	70-130		04/07/23	04/10/23	
Surrogate: 1,2-Dichloroethane-d4	113 %	70-130		04/07/23	04/10/23	
Surrogate: Toluene-d8	103 %	70-130		04/07/23	04/10/23	
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	04/10/23	
Surrogate: Bromofluorobenzene	99.6 %	70-130		04/07/23	04/10/23	
Surrogate: 1,2-Dichloroethane-d4	113 %	70-130		04/07/23	04/10/23	
Surrogate: Toluene-d8	103 %	70-130		04/07/23	04/10/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: JL		Batch: 2314059
Diesel Range Organics (C10-C28)	288	250	10	04/07/23	04/11/23	
Oil Range Organics (C28-C36)	532	500	10	04/07/23	04/11/23	
Surrogate: n-Nonane	87.5 %	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	



QC Summary Data

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	4/13/2023 1:59:22PM

Volatile Organic Compounds by EPA 8260B

Analyst: SL

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

Blank (2314055-BLK1)

Prepared: 04/07/23 Analyzed: 04/07/23

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	0.503		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: 04/07/23 Analyzed: 04/07/23

Benzene	2.67	0.0250	2.50		107	70-130			
Ethylbenzene	2.57	0.0250	2.50		103	70-130			
Toluene	2.65	0.0250	2.50		106	70-130			
o-Xylene	2.55	0.0250	2.50		102	70-130			
p,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: E304029-05

Prepared: 04/07/23 Analyzed: 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			
Surrogate: Bromofluorobenzene	0.538		0.500		108	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.542		0.500		108	70-130			
Surrogate: Toluene-d8	0.518		0.500		104	70-130			

Matrix Spike Dup (2314055-MSD1)

Source: E304029-05

Prepared: 04/07/23 Analyzed: 04/07/23

Benzene	2.86	0.0250	2.50	ND	114	48-131	8.79	23	
Ethylbenzene	2.76	0.0250	2.50	ND	110	45-135	7.79	27	
Toluene	2.85	0.0250	2.50	ND	114	48-130	8.52	24	
o-Xylene	2.78	0.0250	2.50	ND	111	43-135	7.84	27	
p,m-Xylene	5.56	0.0500	5.00	ND	111	43-135	8.61	27	
Total Xylenes	8.34	0.0250	7.50	ND	111	43-135	8.36	27	
Surrogate: Bromofluorobenzene	0.536		0.500		107	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.544		0.500		109	70-130			
Surrogate: Toluene-d8	0.506		0.500		101	70-130			



QC Summary Data

Pima Environmental Services-Carlsbad	Project Name:	West Pearl Queen	Reported: 4/13/2023 1:59:22PM
PO Box 247	Project Number:	21064-0001	
Plains TX, 79355-0247	Project Manager:	Tom Bynum	

Nonhalogenated Organics by EPA 8015D - GRO

Analyst: SL

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

Blank (2314055-BLK1)

Prepared: 04/07/23 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: 04/07/23 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: E304029-05

Prepared: 04/07/23 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: E304029-05

Prepared: 04/07/23 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

Pima Environmental Services-Carlsbad	Project Name:	West Pearl Queen	Reported: 4/13/2023 1:59:22PM
PO Box 247	Project Number:	21064-0001	
Plains TX, 79355-0247	Project Manager:	Tom Bynum	

Nonhalogenated Organics by EPA 8015D - DRO/ORO

Analyst: JL

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

Blank (2314059-BLK1)					Prepared: 04/07/23 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: 04/07/23 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: E304029-11		Prepared: 04/07/23 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: E304029-11		Prepared: 04/07/23 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

Pima Environmental Services-Carlsbad	Project Name:	West Pearl Queen	Reported: 4/13/2023 1:59:22PM
PO Box 247	Project Number:	21064-0001	
Plains TX, 79355-0247	Project Manager:	Tom Bynum	

Anions 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 (2314057-BLK1)					Prepared: 04/07/23 Analyzed: 04/07/23				
Chloride	ND	20.0							
LCS (2314057-BS1)					Prepared: 04/07/23 Analyzed: 04/07/23				
Chloride	254	20.0	250		102	90-110			
Matrix Spike (2314057-MS1)					Source: E304029-01		Prepared: 04/07/23 Analyzed: 04/07/23		
Chloride	777	20.0	250	524	101	80-120			
Matrix Spike Dup (2314057-MSD1)					Source: E304029-01		Prepared: 04/07/23 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.



Definitions and Notes

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
- NR Not Reported
- RPD Relative Percent Difference
- DNI Did Not Ignite

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

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



Project Information

Chain of Custody

Page 1 of 4

Client: Pima Environmental Services					Bill To		Lab Use Only		TAT				EPA Program			
Project: <u>West Pearl Queen</u>					Attention: <u>Bill Pima</u>		Lab WO# <u>F 304 029</u>		Job Number <u>21064-0001</u>		1D	2D	3D	Standard	CWA	SDWA
Project Manager: Tom Bynum					Address:									X		
Address: 5614 N. Lovington Hwy.					City, State, Zip										RCRA	
City, State, Zip Hobbs, NM, 88240					Phone:											
Phone: 580-748-1613					Email:											
Email: tom@pimaoil.com					Pima Project # <u>19-12</u>											
Report due by:																
Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Lab Number	DRO/DRO by 8015	GRO/DRO by 8015	BTEX by 8021	VOC by 8260	Metals 6010	Chloride 300.0		BGDOC NM	BGDOC TX	State	
	4/5/23	Soil	1-202	S1-4'	1								X		NM CO UT AZ TX	
				S1-6'	2											
				S1-8'	3											
				S2-10'	4											
				S2-12'	5											
				S2-14'	6											
				S3-Surface	7											
				S3-2'	8											
				S3-4'	9											
				S4-3'	10											

Additional Instructions:


I, (field sampler), attest to the validity and authenticity of this sample. I am aware that tampering with or intentionally mislabelling the sample location, date or time of collection is considered fraud and may be grounds for legal action.

Sampled by:

Samples requiring thermal preservation must be received on ice the day they are sampled or received packed in ice at an avg temp above 0 but less than 5 °C on subsequent days.

Relinquished by: (Signature) <u>Robert J. J.</u>	Date <u>4/6/23</u>	Time <u>1500</u>	Received by: (Signature) <u>Michelle Gungor</u>	Date <u>4-6-23</u>	Time <u>1500</u>	Lab Use Only
Relinquished by: (Signature) <u>Michelle Gungor</u>	Date <u>4-6-23</u>	Time <u>1745</u>	Received by: (Signature) <u>Renzo Garcia</u>	Date <u>4-6-23</u>	Time <u>1745</u>	Received on ice: <u>(Y)</u> / N
Relinquished by: (Signature) <u>Renzo Garcia</u>	Date <u>4-6-23</u>	Time <u>2330</u>	Received by: (Signature) <u>Carli Chit</u>	Date <u>4/7/23</u>	Time <u>8:15</u>	T1: T2: T3:
Sample Matrix: S - Soil, Sd - Solid, Sg - Sludge, A - Aqueous, O - Other						AVG Temp °C <u>4</u>
Container Type: g - glass, p - poly/plastic, ag - amber glass, v - VOA						

Note: Samples are discarded 30 days after results are reported unless other arrangements are made. Hazardous samples will be returned to client or disposed of at the client expense. The report for the analysis of the above samples is applicable only to those samples received by the laboratory with this COC. The liability of the laboratory is limited to the amount paid for on the report.


envirotech

Project Information

Chain of Custody

Page 2 of 4

Client: Pima Environmental Services					Bill To		Lab Use Only						TAT				EPA Program	
Project: <u>West Pearl Queen</u>					Attention: <u>Pima</u>		Lab WO# <u>E304029</u>			Job Number <u>210604-0001</u>			1D	2D	3D	Standard	CWA	SDWA
Project Manager: Tom Bynum					Address:		Analysis and Method										RCRA	
Address: 5614 N. Lovington Hwy.					City, State, Zip													
City, State, Zip: <u>Hobbs, NM, 88240</u>					Phone:													
Phone: 580-748-1613					Email:													
Email: <u>tom@pimaoil.com</u>					Pima Project # <u>19-12</u>													
Report due by:																		
Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Lab Number	DRO/ORO by 8015	GRO/DRO by 8015	BTEX by 8021	VOC by 8260	Metals 6010	Chloride 300.0	BGDOC NM	BGDOC TX	State				Remarks
	4/5/23	Soil	1-202	S4-5'	11							X						
				S4-7'	12													
				S5-3'	13													
				S5-5'	14													
				S5-7'	15													
				S6-3'	16													
				S6-5'	17													
				S6-7'	18													
				S7-6'	19													
				S7-8'	20													

Additional Instructions:

I, (field sampler), attest to the validity and authenticity of this sample. I am aware that tampering with or intentionally mislabelling the sample location, date or time of collection is considered fraud and may be grounds for legal action.

Sampled by:

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

Relinquished by: (Signature) <u>Michelle Gungah</u>	Date <u>4/6/23</u>	Time <u>1500</u>	Received by: (Signature) <u>Michelle Gungah</u>	Date <u>4-6-23</u>	Time <u>1500</u>	Lab Use Only
Relinquished by: (Signature) <u>Michelle Gungah</u>	Date <u>4-6-23</u>	Time <u>1745</u>	Received by: (Signature) <u>Lorena Lee</u>	Date <u>4-6-23</u>	Time <u>1745</u>	Received on ice: <u>(Y)</u> / N
Relinquished by: (Signature) <u>Lorena Lee</u>	Date <u>4-6-23</u>	Time <u>2330</u>	Received by: (Signature) <u>Carla Chit</u>	Date <u>4/7/23</u>	Time <u>8:15</u>	T1 _____ T2 _____ T3 _____
Sample Matrix: <u>S</u> - Soil, <u>Sd</u> - Solid, <u>Sg</u> - Sludge, <u>A</u> - Aqueous, <u>O</u> - Other _____						AVG Temp °C <u>4</u>
Container Type: <u>g</u> - glass, <u>p</u> - poly/plastic, <u>ag</u> - amber glass, <u>v</u> - VOA						

Note: Samples are discarded 30 days after results are reported unless other arrangements are made. Hazardous samples will be returned to client or disposed of at the client expense. The report for the analysis of the above samples is applicable only to those samples received by the laboratory with this COC. The liability of the laboratory is limited to the amount paid for on the report.


envirotech

Envirotech Analytical Laboratory

Printed: 4/7/2023 10:04:56AM

Sample Receipt Checklist (SRC)

Instructions: Please take note of any NO checkmarks.

If we receive no response concerning these items within 24 hours of the date of this notice, all the samples will be analyzed as requested.

Client:	Pima Environmental Services-Carlsbad	Date Received:	04/07/23 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 of Custody (COC)

1. Does the sample ID match the COC? Yes
2. Does the number of samples per sampling site location match the COC? Yes
3. Were samples dropped off by client or carrier? Yes
4. Was the COC complete, i.e., signatures, dates/times, requested analyses? No
5. Were all samples received within holding time? Yes

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

Carrier: CourierComments/Resolution

Project West Pearl Queen has been separated into 2 reports due to sample volume. Workorders are as follows: E304029 & E304030. Time sampled not provided on COC per client.

Sample Turn Around Time (TAT)

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

Sample Cooler

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

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

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

Sample Container

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

Field Label

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

Sample Preservation

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

Multiphase Sample Matrix

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

Subcontract Laboratory

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

Client Instruction

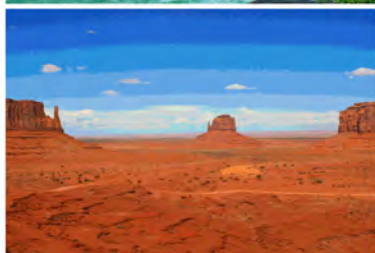
Signature of client authorizing changes to the COC or sample disposition.

Date



envirotech Inc.

Report to:
Tom Bynum



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

5796 U.S. Hwy 64
Farmington, NM 87401

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



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

Date Reported: 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,

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 regarding sample receipt temperature, containers, preservation etc. To best understand your test results, review the entire report summarizing your sample data and the associated quality control batch data.

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

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

Respectfully,

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

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

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

Field Offices:

Southern New Mexico Area
Lynn Jarboe
Technical Representative/Client Services
Office: 505-421-LABS(5227)
Cell: 505-320-4759
ljjarboe@envirotech-inc.com

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

Envirotech Web Address: www.envirotech-inc.com

Table of Contents

Title Page	1
Cover Page	2
Table of Contents	3
Sample Summary	4
Sample Data	5
S1 - 9'	5
S2 - 15'	6
S3 - 5'	7
S4 - 8'	8
S7 - 11'	9
SW4	10
SW5	11
SW6	12
QC Summary Data	13
QC - Volatile Organics by EPA 8021B	13
QC - Nonhalogenated Organics by EPA 8015D - GRO	14
QC - Nonhalogenated Organics by EPA 8015D - DRO/ORO	15
QC - Anions by EPA 300.0/9056A	16
Definitions and Notes	17
Chain of Custody etc.	18

Sample Summary

Pima Environmental Services-Carlsbad	Project Name:	West Pearl Queen	Reported: 05/24/23 15:39
PO Box 247	Project Number:	21064-0001	
Plains TX, 79355-0247	Project Manager:	Tom Bynum	

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
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.
S3 - 5'	E305111-03A	Soil	05/16/23	05/18/23	Glass Jar, 4 oz.
S4 - 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.



Sample Data

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

Project Name: West Pearl Queen
Project Number: 21064-0001
Project Manager: Tom Bynum

Reported:
5/24/2023 3:39:59PM

S1 - 9'

E305111-01

Analyte	Result	Reporting 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	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	98.4 %	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	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	87.2 %	70-130		05/18/23	05/18/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg	Analyst: 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	
<i>Surrogate: n-Nonane</i>						
	110 %	50-200		05/19/23	05/20/23	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: RAS		Batch: 2320079	
Chloride	ND	20.0	1	05/18/23	05/22/23	



Sample Data

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

Project Name: West Pearl Queen
Project Number: 21064-0001
Project Manager: Tom Bynum

Reported:
5/24/2023 3:39:59PM

S2 - 15'

E305111-02

Analyte	Result	Reporting 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	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		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	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		87.7 %	70-130	05/18/23	05/18/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: 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	
<i>Surrogate: n-Nonane</i>						
		103 %	50-200	05/19/23	05/20/23	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2320079
Chloride	ND	20.0	1	05/18/23	05/22/23	



Sample Data

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

Project Name: West Pearl Queen
Project Number: 21064-0001
Project Manager: Tom Bynum

Reported:
5/24/2023 3:39:59PM

S3 - 5'

E305111-03

Analyte	Result	Reporting 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	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		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	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		83.4 %	70-130	05/18/23	05/18/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: 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	
<i>Surrogate: n-Nonane</i>						
		95.8 %	50-200	05/19/23	05/20/23	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2320079
Chloride	ND	20.0	1	05/18/23	05/22/23	



Sample Data

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

Project Name: West Pearl Queen
Project Number: 21064-0001
Project Manager: Tom Bynum

Reported:
5/24/2023 3:39:59PM

S4 - 8'

E305111-04

Analyte	Result	Reporting 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	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		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	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		86.5 %	70-130	05/18/23	05/18/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: 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	
<i>Surrogate: n-Nonane</i>						
		98.6 %	50-200	05/19/23	05/20/23	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2320079
Chloride	ND	20.0	1	05/18/23	05/22/23	



Sample Data

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

Project Name: West Pearl Queen
Project Number: 21064-0001
Project Manager: Tom Bynum

Reported:
5/24/2023 3:39:59PM

S7 - 11'

E305111-05

Analyte	Result	Reporting 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	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		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	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		85.5 %	70-130	05/18/23	05/18/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg	Analyst: 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	
<i>Surrogate: n-Nonane</i>						
		97.3 %	50-200	05/19/23	05/20/23	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: RAS		Batch: 2320079	
Chloride	ND	20.0	1	05/18/23	05/22/23	



Sample Data

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

Project Name: West Pearl Queen
Project Number: 21064-0001
Project Manager: Tom Bynum

Reported:
5/24/2023 3:39:59PM

SW4

E305111-06

Analyte	Result	Reporting 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	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		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	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		82.7 %	70-130	05/18/23	05/18/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: 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	
<i>Surrogate: n-Nonane</i>						
		98.5 %	50-200	05/19/23	05/20/23	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2320079
Chloride	ND	20.0	1	05/18/23	05/22/23	



Sample Data

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

Project Name: West Pearl Queen
Project Number: 21064-0001
Project Manager: Tom Bynum

Reported:
5/24/2023 3:39:59PM

SW5

E305111-07

Analyte	Result	Reporting 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	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	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	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	86.3 %	70-130		05/18/23	05/18/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: 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	
<i>Surrogate: n-Nonane</i>						
	99.1 %	50-200		05/19/23	05/20/23	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2320079
Chloride	ND	20.0	1	05/18/23	05/22/23	



Sample Data

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

Project Name: West Pearl Queen
Project Number: 21064-0001
Project Manager: Tom Bynum

Reported:
5/24/2023 3:39:59PM

SW6

E305111-08

Analyte	Result	Reporting 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	
o-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	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		101 %	70-130	05/18/23	05/19/23	
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	05/19/23	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		85.5 %	70-130	05/18/23	05/19/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg	Analyst: 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	
<i>Surrogate: n-Nonane</i>						
		101 %	50-200	05/19/23	05/20/23	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: RAS		Batch: 2320079	
Chloride	ND	20.0	1	05/18/23	05/22/23	



QC Summary Data

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	5/24/2023 3:39:59PM

Volatile Organics by EPA 8021B

Analyst: IY

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

Blank (2320072-BLK1) Prepared: 05/18/23 Analyzed: 05/19/23

Benzene	ND	0.0250							
Ethylbenzene	ND	0.0250							
Toluene	ND	0.0250							
o-Xylene	ND	0.0250							
p,m-Xylene	ND	0.0500							
Total Xylenes	ND	0.0250							
Surrogate: 4-Bromochlorobenzene-PID	7.67		8.00		95.9	70-130			

LCS (2320072-BS1) Prepared: 05/18/23 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			
o-Xylene	4.91	0.0250	5.00		98.1	70-130			
p,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: E305111-01 Prepared: 05/18/23 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			
o-Xylene	4.73	0.0250	5.00	ND	94.6	63-131			
p,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: E305111-01 Prepared: 05/18/23 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	
o-Xylene	5.15	0.0250	5.00	ND	103	63-131	8.45	20	
p,m-Xylene	10.1	0.0500	10.0	ND	101	63-131	8.81	20	
Total Xylenes	15.3	0.0250	15.0	ND	102	63-131	8.69	20	
Surrogate: 4-Bromochlorobenzene-PID	8.07		8.00		101	70-130			



QC Summary Data

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	5/24/2023 3:39:59PM

Nonhalogenated Organics by EPA 8015D - GRO

Analyst: IY

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

Blank (2320072-BLK1) Prepared: 05/18/23 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: 05/18/23 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: E305111-01 Prepared: 05/18/23 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: E305111-01 Prepared: 05/18/23 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

Pima Environmental Services-Carlsbad	Project Name:	West Pearl Queen	Reported: 5/24/2023 3:39:59PM
PO Box 247	Project Number:	21064-0001	
Plains TX, 79355-0247	Project Manager:	Tom Bynum	

Nonhalogenated Organics by EPA 8015D - DRO/ORO

Analyst: JL

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

Blank (2320088-BLK1)					Prepared: 05/19/23 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: 05/19/23 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: E305111-02		Prepared: 05/19/23 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: E305111-02		Prepared: 05/19/23 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

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	5/24/2023 3:39:59PM

Anions by EPA 300.0/9056A

Analyst: RAS

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

Blank (2320079-BLK1)					Prepared: 05/18/23 Analyzed: 05/22/23				
Chloride	ND	20.0							
LCS (2320079-BS1)					Prepared: 05/18/23 Analyzed: 05/22/23				
Chloride	254	20.0	250		102	90-110			
Matrix Spike (2320079-MS1)					Source: E305111-01		Prepared: 05/18/23 Analyzed: 05/22/23		
Chloride	253	20.0	250	ND	101	80-120			
Matrix Spike Dup (2320079-MSD1)					Source: E305111-01		Prepared: 05/18/23 Analyzed: 05/22/23		
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.



Definitions and Notes

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	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.



Project Information

Chain of Custody

Page 1 of 1

Client: Pima Environmental Services
 Project: West Pearl Green
 Project Manager: Tom Bynum
 Address: 5614 N. Lovington Hwy.
 City, State, Zip: Hobbs, NM, 88240
 Phone: 580-748-1613
 Email: tom@pimaoil.com
 Report due by:

Attention: K.A. Bill To
~~Dr. J. Armstrong~~ Armstrong Energy
 Address:
 City, State, Zip:
 Phone:
 Email:
 Pima Project # 19-12

Lab Use Only
 Lab WO# E305111 Job Number 22093-0001
 Analysis and Method

TAT
 1D 2D 3D Standard X

EPA Program
 CWA SDWA
 RCRA
 State
 NM CO UT AZ TX

Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Lab Number	DRO/ORO by 8015	GRO/DRO by 8015	BTEX by 8021	VOC by 8260	Metals 6010	Chloride 300.0	BGDOC NM	BGDOC TX	Remarks
2:05	5/16/23	S	1	S1-9'	1							X		
2:10			1	S2-15'	2									
2:15			1	S3-5'	3									
2:20				S4-8'	4									
2:25				S7-11'	5									
2:30				SW4	6									
2:35				SW5	7									
2:40				SW6	8									

Additional Instructions:

Bill Pima

I, (field sampler), attest to the validity and authenticity of this sample. I am aware that tampering with or intentionally mislabelling the sample location, date or time of collection is considered fraud and may be grounds for legal action.

Sampled by:

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

Relinquished by: (Signature) <u>Kerina Adams</u>	Date <u>5/17</u>	Time <u>1445</u>	Received by: (Signature) <u>John</u>	Date <u>5-17-23</u>	Time <u>1445</u>	Lab Use Only Received on ice: <u>(Y) N</u> T1 T2 T3 AVG Temp °C <u>4</u>
Relinquished by: (Signature) <u>John</u>	Date <u>5-17-23</u>	Time <u>1910</u>	Received by: (Signature) <u>Andrew Musso</u>	Date <u>5-17-23</u>	Time <u>2000</u>	
Relinquished by: (Signature) <u>Andrew Musso</u>	Date <u>5-18-23</u>	Time <u>0300</u>	Received by: (Signature) <u>Cathy Mauer</u>	Date <u>5/18/23</u>	Time <u>8:20</u>	

Sample Matrix: S - Soil, Sd - Solid, Sg - Sludge, A - Aqueous, O - Other

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

Note: Samples are discarded 30 days after results are reported unless other arrangements are made. Hazardous samples will be returned to client or disposed of at the client expense. The report for the analysis of the above samples is applicable only to those samples received by the laboratory with this COC. The liability of the laboratory is limited to the amount paid for on the report.

Envirotech Analytical Laboratory

Printed: 5/18/2023 11:59:34AM

Sample Receipt Checklist (SRC)

Instructions: Please take note of any NO checkmarks.

If we receive no response concerning these items within 24 hours of the date of this notice, all the samples will be analyzed as requested.

Client:	Pima Environmental Services-Carlsbad	Date Received:	05/18/23 08:20	Work Order ID:	E305111
Phone:	(575) 631-6977	Date Logged In:	05/18/23 09:55	Logged In By:	Caitlin Mars
Email:	tom@pimaoil.com	Due Date:	05/24/23 17:00 (4 day TAT)		

Chain of Custody (COC)

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

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

Carrier: CourierComments/ResolutionSample Turn Around Time (TAT)

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

Sample Cooler

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

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

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

Sample Container

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

Field Label

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

Sample Preservation

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

Multiphase Sample Matrix

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

Subcontract Laboratory

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

Client Instruction

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

Date



envirotech Inc.



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

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 www.tceq.texas.gov/field/qa/lab_accred_certif.html.

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

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

Accreditation applies to public drinking water matrices.

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

Sincerely,

A handwritten signature in black ink that reads "Celey D. Keene". The signature is fluid and cursive, with the first letters of the first and last names being capitalized and prominent.

Celey D. Keene

Lab Director/Quality Manager



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

Analytical Results For:

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

Received: 11/14/2024
Reported: 11/20/2024
Project Name: WEST PEARL QUEEN
Project Number: 19-12
Project Location: ARMSTRONG-EDDY COUNTY

Sampling Date: 11/11/2024
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Shalyn Rodriguez

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

BTX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	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 BTX	<0.300	0.300	11/15/2024	ND					

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

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	3.64		

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 97.4 % 48.2-134

Surrogate: 1-Chlorooctadecane 94.2 % 49.1-148

Cardinal Laboratories

*=Accredited Analyte

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

Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received: 11/14/2024
 Reported: 11/20/2024
 Project Name: WEST PEARL QUEEN
 Project Number: 19-12
 Project Location: ARMSTRONG-EDDY COUNTY

Sampling Date: 11/11/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

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

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	2.38	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 % 71.5-134

Chloride, SM4500CI-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	3.64		

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 100 % 48.2-134

Surrogate: 1-Chlorooctadecane 96.0 % 49.1-148

Cardinal Laboratories

*=Accredited Analyte

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

Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received: 11/14/2024
Reported: 11/20/2024
Project Name: WEST PEARL QUEEN
Project Number: 19-12
Project Location: ARMSTRONG-EDDY COUNTY

Sampling Date: 11/11/2024
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Shalyn Rodriguez

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

BTX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	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 BTX	<0.300	0.300	11/16/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 105 % 71.5-134

Chloride, SM4500CI-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	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 % 48.2-134

Surrogate: 1-Chlorooctadecane 86.8 % 49.1-148

Cardinal Laboratories

*=Accredited Analyte

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

Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received: 11/14/2024
Reported: 11/20/2024
Project Name: WEST PEARL QUEEN
Project Number: 19-12
Project Location: ARMSTRONG-EDDY COUNTY

Sampling Date: 11/11/2024
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Shalyn Rodriguez

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

BTX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	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 BTX	<0.300	0.300	11/16/2024	ND						

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

Chloride, SM4500CI-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	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 % 48.2-134

Surrogate: 1-Chlorooctadecane 90.3 % 49.1-148

Cardinal Laboratories

*=Accredited Analyte

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

Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received: 11/14/2024
Reported: 11/20/2024
Project Name: WEST PEARL QUEEN
Project Number: 19-12
Project Location: ARMSTRONG-EDDY COUNTY

Sampling Date: 11/11/2024
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Shalyn Rodriguez

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

BTEX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	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 % 71.5-134

Chloride, SM4500CI-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	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 % 48.2-134

Surrogate: 1-Chlorooctadecane 93.1 % 49.1-148

Cardinal Laboratories

*=Accredited Analyte

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

Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received: 11/14/2024
Reported: 11/20/2024
Project Name: WEST PEARL QUEEN
Project Number: 19-12
Project Location: ARMSTRONG-EDDY COUNTY

Sampling Date: 11/11/2024
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Shalyn Rodriguez

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

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	2.38	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 % 71.5-134

Chloride, SM4500CI-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	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 % 48.2-134

Surrogate: 1-Chlorooctadecane 93.2 % 49.1-148

Cardinal Laboratories

*=Accredited Analyte

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

Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received: 11/14/2024
 Reported: 11/20/2024
 Project Name: WEST PEARL QUEEN
 Project Number: 19-12
 Project Location: ARMSTRONG-EDDY COUNTY

Sampling Date: 11/11/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

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

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	2.38	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 % 71.5-134

Chloride, SM4500CI-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	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 % 48.2-134

Surrogate: 1-Chlorooctadecane 93.4 % 49.1-148

Cardinal Laboratories

*=Accredited Analyte

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

Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received: 11/14/2024
 Reported: 11/20/2024
 Project Name: WEST PEARL QUEEN
 Project Number: 19-12
 Project Location: ARMSTRONG-EDDY COUNTY

Sampling Date: 11/11/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

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

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	2.38	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 % 71.5-134

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	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 % 48.2-134

Surrogate: 1-Chlorooctadecane 93.0 % 49.1-148

Cardinal Laboratories

*=Accredited Analyte

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

Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received: 11/14/2024
Reported: 11/20/2024
Project Name: WEST PEARL QUEEN
Project Number: 19-12
Project Location: ARMSTRONG-EDDY COUNTY

Sampling Date: 11/11/2024
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Shalyn Rodriguez

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

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	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 % 71.5-134

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	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 % 48.2-134

Surrogate: 1-Chlorooctadecane 93.5 % 49.1-148

Cardinal Laboratories

*=Accredited Analyte

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

Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received: 11/14/2024
 Reported: 11/20/2024
 Project Name: WEST PEARL QUEEN
 Project Number: 19-12
 Project Location: ARMSTRONG-EDDY COUNTY

Sampling Date: 11/11/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

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

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) 103 % 71.5-134

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	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 % 48.2-134

Surrogate: 1-Chlorooctadecane 89.5 % 49.1-148

Cardinal Laboratories

*=Accredited Analyte

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

Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received: 11/14/2024
 Reported: 11/20/2024
 Project Name: WEST PEARL QUEEN
 Project Number: 19-12
 Project Location: ARMSTRONG-EDDY COUNTY

Sampling Date: 11/11/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

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

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	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 % 71.5-134

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	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 % 48.2-134

Surrogate: 1-Chlorooctadecane 96.0 % 49.1-148

Cardinal Laboratories

*=Accredited Analyte

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

Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received: 11/14/2024
 Reported: 11/20/2024
 Project Name: WEST PEARL QUEEN
 Project Number: 19-12
 Project Location: ARMSTRONG-EDDY COUNTY

Sampling Date: 11/11/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

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

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 % 71.5-134

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	11/15/2024	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 % 48.2-134

Surrogate: 1-Chlorooctadecane 83.9 % 49.1-148

Cardinal Laboratories

*=Accredited Analyte

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

Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received: 11/14/2024
 Reported: 11/20/2024
 Project Name: WEST PEARL QUEEN
 Project Number: 19-12
 Project Location: ARMSTRONG-EDDY COUNTY

Sampling Date: 11/11/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: 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 % 71.5-134

Chloride, SM4500CI-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 116 % 48.2-134

Surrogate: 1-Chlorooctadecane 116 % 49.1-148

Cardinal Laboratories

*=Accredited Analyte

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

Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received: 11/14/2024
 Reported: 11/20/2024
 Project Name: WEST PEARL QUEEN
 Project Number: 19-12
 Project Location: ARMSTRONG-EDDY COUNTY

Sampling Date: 11/11/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: 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 % 71.5-134

Chloride, SM4500CI-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 115 % 48.2-134

Surrogate: 1-Chlorooctadecane 113 % 49.1-148

Cardinal Laboratories

*=Accredited Analyte

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

Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received: 11/14/2024
Reported: 11/20/2024
Project Name: WEST PEARL QUEEN
Project Number: 19-12
Project Location: ARMSTRONG-EDDY COUNTY

Sampling Date: 11/11/2024
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Shalyn Rodriguez

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 % 71.5-134

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 % 48.2-134

Surrogate: 1-Chlorooctadecane 115 % 49.1-148

Cardinal Laboratories

*=Accredited Analyte

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

Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received: 11/14/2024
 Reported: 11/20/2024
 Project Name: WEST PEARL QUEEN
 Project Number: 19-12
 Project Location: ARMSTRONG-EDDY COUNTY

Sampling Date: 11/11/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

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

BTX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	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 BTX	<0.300	0.300	11/15/2024	ND					

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

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 118 % 48.2-134

Surrogate: 1-Chlorooctadecane 118 % 49.1-148

Cardinal Laboratories

*=Accredited Analyte

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

Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received: 11/14/2024
Reported: 11/20/2024
Project Name: WEST PEARL QUEEN
Project Number: 19-12
Project Location: ARMSTRONG-EDDY COUNTY

Sampling Date: 11/11/2024
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Shalyn Rodriguez

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

BTEX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	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 % 71.5-134

Chloride, SM4500CI-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 123 % 48.2-134

Surrogate: 1-Chlorooctadecane 121 % 49.1-148

Cardinal Laboratories

*=Accredited Analyte

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

Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received: 11/14/2024
Reported: 11/20/2024
Project Name: WEST PEARL QUEEN
Project Number: 19-12
Project Location: ARMSTRONG-EDDY COUNTY

Sampling Date: 11/11/2024
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Shalyn Rodriguez

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

BTX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	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 BTX	<0.300	0.300	11/15/2024	ND						

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

Chloride, SM4500CI-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 123 % 48.2-134

Surrogate: 1-Chlorooctadecane 125 % 49.1-148

Cardinal Laboratories

*=Accredited Analyte

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

Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received: 11/14/2024
 Reported: 11/20/2024
 Project Name: WEST PEARL QUEEN
 Project Number: 19-12
 Project Location: ARMSTRONG-EDDY COUNTY

Sampling Date: 11/11/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

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

BTEX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	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 % 71.5-134

Chloride, SM4500CI-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 119 % 48.2-134

Surrogate: 1-Chlorooctadecane 119 % 49.1-148

Cardinal Laboratories

*=Accredited Analyte

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

Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received: 11/14/2024
Reported: 11/20/2024
Project Name: WEST PEARL QUEEN
Project Number: 19-12
Project Location: ARMSTRONG-EDDY COUNTY

Sampling Date: 11/11/2024
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Shalyn Rodriguez

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

BTX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	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 BTX	<0.300	0.300	11/15/2024	ND						

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

Chloride, SM4500CI-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 120 % 48.2-134

Surrogate: 1-Chlorooctadecane 117 % 49.1-148

Cardinal Laboratories

*=Accredited Analyte

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

Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received: 11/14/2024
 Reported: 11/20/2024
 Project Name: WEST PEARL QUEEN
 Project Number: 19-12
 Project Location: ARMSTRONG-EDDY COUNTY

Sampling Date: 11/11/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

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

BTEx 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	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 % 71.5-134

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 122 % 48.2-134

Surrogate: 1-Chlorooctadecane 120 % 49.1-148

Cardinal Laboratories

*=Accredited Analyte

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

Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received: 11/14/2024
Reported: 11/20/2024
Project Name: WEST PEARL QUEEN
Project Number: 19-12
Project Location: ARMSTRONG-EDDY COUNTY

Sampling Date: 11/11/2024
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Shalyn Rodriguez

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

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	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 % 71.5-134

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 116 % 48.2-134

Surrogate: 1-Chlorooctadecane 113 % 49.1-148

Cardinal Laboratories

*=Accredited Analyte

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

Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received: 11/14/2024
 Reported: 11/20/2024
 Project Name: WEST PEARL QUEEN
 Project Number: 19-12
 Project Location: ARMSTRONG-EDDY COUNTY

Sampling Date: 11/11/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

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

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	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 % 71.5-134

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		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 104 % 48.2-134

Surrogate: 1-Chlorooctadecane 104 % 49.1-148

Cardinal Laboratories

*=Accredited Analyte

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

Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received: 11/14/2024
 Reported: 11/20/2024
 Project Name: WEST PEARL QUEEN
 Project Number: 19-12
 Project Location: ARMSTRONG-EDDY COUNTY

Sampling Date: 11/11/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

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

BTEx 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	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 % 71.5-134

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		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 115 % 48.2-134

Surrogate: 1-Chlorooctadecane 114 % 49.1-148

Cardinal Laboratories

*=Accredited Analyte

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

Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received: 11/14/2024
 Reported: 11/20/2024
 Project Name: WEST PEARL QUEEN
 Project Number: 19-12
 Project Location: ARMSTRONG-EDDY COUNTY

Sampling Date: 11/11/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

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

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 % 71.5-134

Chloride, SM4500CI-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		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 116 % 48.2-134

Surrogate: 1-Chlorooctadecane 116 % 49.1-148

Cardinal Laboratories

*=Accredited Analyte

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

Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received: 11/14/2024
Reported: 11/20/2024
Project Name: WEST PEARL QUEEN
Project Number: 19-12
Project Location: ARMSTRONG-EDDY COUNTY

Sampling Date: 11/11/2024
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Shalyn Rodriguez

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

BTX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	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 BTX	<0.300	0.300	11/15/2024	ND						

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

Chloride, SM4500CI-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		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 116 % 48.2-134

Surrogate: 1-Chlorooctadecane 115 % 49.1-148

Cardinal Laboratories

*=Accredited Analyte

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

Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received: 11/14/2024
Reported: 11/20/2024
Project Name: WEST PEARL QUEEN
Project Number: 19-12
Project Location: ARMSTRONG-EDDY COUNTY

Sampling Date: 11/11/2024
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Shalyn Rodriguez

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

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 % 71.5-134

Chloride, SM4500CI-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		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 114 % 48.2-134

Surrogate: 1-Chlorooctadecane 115 % 49.1-148

Cardinal Laboratories

*=Accredited Analyte

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

Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received: 11/14/2024
 Reported: 11/20/2024
 Project Name: WEST PEARL QUEEN
 Project Number: 19-12
 Project Location: ARMSTRONG-EDDY COUNTY

Sampling Date: 11/11/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

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

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 % 71.5-134

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		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 120 % 48.2-134

Surrogate: 1-Chlorooctadecane 117 % 49.1-148

Cardinal Laboratories

*=Accredited Analyte

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

Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received: 11/14/2024
Reported: 11/20/2024
Project Name: WEST PEARL QUEEN
Project Number: 19-12
Project Location: ARMSTRONG-EDDY COUNTY

Sampling Date: 11/11/2024
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Shalyn Rodriguez

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

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 % 71.5-134

Chloride, SM4500CI-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		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 116 % 48.2-134

Surrogate: 1-Chlorooctadecane 112 % 49.1-148

Cardinal Laboratories

*=Accredited Analyte

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

Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received: 11/14/2024
 Reported: 11/20/2024
 Project Name: WEST PEARL QUEEN
 Project Number: 19-12
 Project Location: ARMSTRONG-EDDY COUNTY

Sampling Date: 11/11/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

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

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 % 71.5-134

Chloride, SM4500CI-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		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 118 % 48.2-134

Surrogate: 1-Chlorooctadecane 116 % 49.1-148

Cardinal Laboratories

*=Accredited Analyte

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

Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received: 11/14/2024
 Reported: 11/20/2024
 Project Name: WEST PEARL QUEEN
 Project Number: 19-12
 Project Location: ARMSTRONG-EDDY COUNTY

Sampling Date: 11/11/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

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

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 % 71.5-134

Chloride, SM4500CI-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		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 115 % 48.2-134

Surrogate: 1-Chlorooctadecane 112 % 49.1-148

Cardinal Laboratories

*=Accredited Analyte

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

Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received: 11/14/2024
Reported: 11/20/2024
Project Name: WEST PEARL QUEEN
Project Number: 19-12
Project Location: ARMSTRONG-EDDY COUNTY

Sampling Date: 11/11/2024
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Shalyn Rodriguez

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

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 % 71.5-134

Chloride, SM4500CI-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		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	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 % 48.2-134

Surrogate: 1-Chlorooctadecane 116 % 49.1-148

Cardinal Laboratories

*=Accredited Analyte

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

Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received: 11/14/2024
Reported: 11/20/2024
Project Name: WEST PEARL QUEEN
Project Number: 19-12
Project Location: ARMSTRONG-EDDY COUNTY

Sampling Date: 11/11/2024
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Shalyn Rodriguez

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

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 % 71.5-134

Chloride, SM4500CI-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		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	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 % 48.2-134

Surrogate: 1-Chlorooctadecane 89.8 % 49.1-148

Cardinal Laboratories

*=Accredited Analyte

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

Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received: 11/14/2024
Reported: 11/20/2024
Project Name: WEST PEARL QUEEN
Project Number: 19-12
Project Location: ARMSTRONG-EDDY COUNTY

Sampling Date: 11/11/2024
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Shalyn Rodriguez

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

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 % 71.5-134

Chloride, SM4500CI-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		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	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 % 48.2-134

Surrogate: 1-Chlorooctadecane 91.8 % 49.1-148

Cardinal Laboratories

*=Accredited Analyte

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

Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received: 11/14/2024
Reported: 11/20/2024
Project Name: WEST PEARL QUEEN
Project Number: 19-12
Project Location: ARMSTRONG-EDDY COUNTY

Sampling Date: 11/11/2024
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Shalyn Rodriguez

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

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 % 71.5-134

Chloride, SM4500CI-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		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	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 % 48.2-134

Surrogate: 1-Chlorooctadecane 93.0 % 49.1-148

Cardinal Laboratories

*=Accredited Analyte

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

Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received: 11/14/2024
 Reported: 11/20/2024
 Project Name: WEST PEARL QUEEN
 Project Number: 19-12
 Project Location: ARMSTRONG-EDDY COUNTY

Sampling Date: 11/11/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

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

BTX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	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 BTX	<0.300	0.300	11/16/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 105 % 71.5-134

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		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	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 % 48.2-134

Surrogate: 1-Chlorooctadecane 78.1 % 49.1-148

Cardinal Laboratories

*=Accredited Analyte

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

Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received: 11/14/2024
Reported: 11/20/2024
Project Name: WEST PEARL QUEEN
Project Number: 19-12
Project Location: ARMSTRONG-EDDY COUNTY

Sampling Date: 11/11/2024
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Shalyn Rodriguez

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

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 % 71.5-134

Chloride, SM4500CI-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		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	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 % 48.2-134

Surrogate: 1-Chlorooctadecane 89.9 % 49.1-148

Cardinal Laboratories

*=Accredited Analyte

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

Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received: 11/14/2024
 Reported: 11/20/2024
 Project Name: WEST PEARL QUEEN
 Project Number: 19-12
 Project Location: ARMSTRONG-EDDY COUNTY

Sampling Date: 11/11/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

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

BTX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	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 BTX	<0.300	0.300	11/16/2024	ND					

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

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		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	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 % 48.2-134

Surrogate: 1-Chlorooctadecane 89.0 % 49.1-148

Cardinal Laboratories

*=Accredited Analyte

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

Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received: 11/14/2024
Reported: 11/20/2024
Project Name: WEST PEARL QUEEN
Project Number: 19-12
Project Location: ARMSTRONG-EDDY COUNTY

Sampling Date: 11/11/2024
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Shalyn Rodriguez

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

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 % 71.5-134

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		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	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 % 48.2-134

Surrogate: 1-Chlorooctadecane 78.5 % 49.1-148

Cardinal Laboratories

*=Accredited Analyte

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

Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received: 11/14/2024
Reported: 11/20/2024
Project Name: WEST PEARL QUEEN
Project Number: 19-12
Project Location: ARMSTRONG-EDDY COUNTY

Sampling Date: 11/11/2024
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Shalyn Rodriguez

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

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 % 71.5-134

Chloride, SM4500CI-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		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	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 % 48.2-134

Surrogate: 1-Chlorooctadecane 91.6 % 49.1-148

Cardinal Laboratories

*=Accredited Analyte

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

Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received: 11/14/2024
Reported: 11/20/2024
Project Name: WEST PEARL QUEEN
Project Number: 19-12
Project Location: ARMSTRONG-EDDY COUNTY

Sampling Date: 11/11/2024
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Shalyn Rodriguez

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

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 % 71.5-134

Chloride, SM4500CI-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		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	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 % 48.2-134

Surrogate: 1-Chlorooctadecane 89.4 % 49.1-148

Cardinal Laboratories

*=Accredited Analyte

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

Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received: 11/14/2024
 Reported: 11/20/2024
 Project Name: WEST PEARL QUEEN
 Project Number: 19-12
 Project Location: ARMSTRONG-EDDY COUNTY

Sampling Date: 11/11/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 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 % 71.5-134

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		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	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 % 48.2-134

Surrogate: 1-Chlorooctadecane 91.9 % 49.1-148

Cardinal Laboratories

*=Accredited Analyte

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

Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received: 11/14/2024
Reported: 11/20/2024
Project Name: WEST PEARL QUEEN
Project Number: 19-12
Project Location: ARMSTRONG-EDDY COUNTY

Sampling Date: 11/11/2024
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: 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 % 71.5-134

Chloride, SM4500CI-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		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	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 % 48.2-134

Surrogate: 1-Chlorooctadecane 85.0 % 49.1-148

Cardinal Laboratories

*=Accredited Analyte

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

Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received: 11/14/2024
Reported: 11/20/2024
Project Name: WEST PEARL QUEEN
Project Number: 19-12
Project Location: ARMSTRONG-EDDY COUNTY

Sampling Date: 11/11/2024
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: 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 % 71.5-134

Chloride, SM4500CI-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		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	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 % 48.2-134

Surrogate: 1-Chlorooctadecane 97.4 % 49.1-148

Cardinal Laboratories

*=Accredited Analyte

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

Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received: 11/14/2024
Reported: 11/20/2024
Project Name: WEST PEARL QUEEN
Project Number: 19-12
Project Location: ARMSTRONG-EDDY COUNTY

Sampling Date: 11/11/2024
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Shalyn Rodriguez

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

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 % 71.5-134

Chloride, SM4500CI-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		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	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 % 48.2-134

Surrogate: 1-Chlorooctadecane 94.2 % 49.1-148

Cardinal Laboratories

*=Accredited Analyte

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

Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received: 11/14/2024
 Reported: 11/20/2024
 Project Name: WEST PEARL QUEEN
 Project Number: 19-12
 Project Location: ARMSTRONG-EDDY COUNTY

Sampling Date: 11/11/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

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

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 % 71.5-134

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		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	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 % 48.2-134

Surrogate: 1-Chlorooctadecane 96.9 % 49.1-148

Cardinal Laboratories

*=Accredited Analyte

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

Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received: 11/14/2024
 Reported: 11/20/2024
 Project Name: WEST PEARL QUEEN
 Project Number: 19-12
 Project Location: ARMSTRONG-EDDY COUNTY

Sampling Date: 11/11/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

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

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 % 71.5-134

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		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	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 % 48.2-134

Surrogate: 1-Chlorooctadecane 90.5 % 49.1-148

Cardinal Laboratories

*=Accredited Analyte

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

Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received: 11/14/2024
Reported: 11/20/2024
Project Name: WEST PEARL QUEEN
Project Number: 19-12
Project Location: ARMSTRONG-EDDY COUNTY

Sampling Date: 11/11/2024
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Shalyn Rodriguez

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

BTX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	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 BTX	<0.300	0.300	11/16/2024	ND					

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

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		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	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 % 48.2-134

Surrogate: 1-Chlorooctadecane 90.5 % 49.1-148

Cardinal Laboratories

*=Accredited Analyte

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

Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received: 11/14/2024
Reported: 11/20/2024
Project Name: WEST PEARL QUEEN
Project Number: 19-12
Project Location: ARMSTRONG-EDDY COUNTY

Sampling Date: 11/11/2024
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Shalyn Rodriguez

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

BTX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	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 BTX	<0.300	0.300	11/16/2024	ND						

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

Chloride, SM4500CI-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		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	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 % 48.2-134

Surrogate: 1-Chlorooctadecane 90.1 % 49.1-148

Cardinal Laboratories

*=Accredited Analyte

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

Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received: 11/14/2024
Reported: 11/20/2024
Project Name: WEST PEARL QUEEN
Project Number: 19-12
Project Location: ARMSTRONG-EDDY COUNTY

Sampling Date: 11/11/2024
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Shalyn Rodriguez

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

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	2.15	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 % 71.5-134

Chloride, SM4500CI-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		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	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 % 48.2-134

Surrogate: 1-Chlorooctadecane 95.4 % 49.1-148

Cardinal Laboratories

*=Accredited Analyte

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

Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received: 11/14/2024
Reported: 11/20/2024
Project Name: WEST PEARL QUEEN
Project Number: 19-12
Project Location: ARMSTRONG-EDDY COUNTY

Sampling Date: 11/11/2024
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Shalyn Rodriguez

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

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	2.15	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 % 71.5-134

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		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	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 % 48.2-134

Surrogate: 1-Chlorooctadecane 92.9 % 49.1-148

Cardinal Laboratories

*=Accredited Analyte

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

Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received: 11/14/2024
 Reported: 11/20/2024
 Project Name: WEST PEARL QUEEN
 Project Number: 19-12
 Project Location: ARMSTRONG-EDDY COUNTY

Sampling Date: 11/11/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

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

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	2.15	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 % 71.5-134

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		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	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 % 48.2-134

Surrogate: 1-Chlorooctadecane 91.3 % 49.1-148

Cardinal Laboratories

*=Accredited Analyte

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

Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received: 11/14/2024
 Reported: 11/20/2024
 Project Name: WEST PEARL QUEEN
 Project Number: 19-12
 Project Location: ARMSTRONG-EDDY COUNTY

Sampling Date: 11/11/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

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

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	2.15	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 % 71.5-134

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		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	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 % 48.2-134

Surrogate: 1-Chlorooctadecane 77.3 % 49.1-148

Cardinal Laboratories

*=Accredited Analyte

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

Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received: 11/14/2024
Reported: 11/20/2024
Project Name: WEST PEARL QUEEN
Project Number: 19-12
Project Location: ARMSTRONG-EDDY COUNTY

Sampling Date: 11/11/2024
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Shalyn Rodriguez

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

BTX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	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 BTX	<0.300	0.300	11/16/2024	ND					

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

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		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	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 % 48.2-134

Surrogate: 1-Chlorooctadecane 87.5 % 49.1-148

Cardinal Laboratories

*=Accredited Analyte

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

Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received: 11/14/2024
Reported: 11/20/2024
Project Name: WEST PEARL QUEEN
Project Number: 19-12
Project Location: ARMSTRONG-EDDY COUNTY

Sampling Date: 11/11/2024
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Shalyn Rodriguez

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

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	2.15	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 % 71.5-134

Chloride, SM4500CI-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		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	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 % 48.2-134

Surrogate: 1-Chlorooctadecane 84.6 % 49.1-148

Cardinal Laboratories

*=Accredited Analyte

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

Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received: 11/14/2024
 Reported: 11/20/2024
 Project Name: WEST PEARL QUEEN
 Project Number: 19-12
 Project Location: ARMSTRONG-EDDY COUNTY

Sampling Date: 11/11/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

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

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	2.15	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 % 71.5-134

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		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	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 % 48.2-134

Surrogate: 1-Chlorooctadecane 86.2 % 49.1-148

Cardinal Laboratories

*=Accredited Analyte

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

Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received: 11/14/2024
 Reported: 11/20/2024
 Project Name: WEST PEARL QUEEN
 Project Number: 19-12
 Project Location: ARMSTRONG-EDDY COUNTY

Sampling Date: 11/11/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

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

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	2.15	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 % 71.5-134

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		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	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 % 48.2-134

Surrogate: 1-Chlorooctadecane 87.5 % 49.1-148

Cardinal Laboratories

*=Accredited Analyte

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

Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received: 11/14/2024
Reported: 11/20/2024
Project Name: WEST PEARL QUEEN
Project Number: 19-12
Project Location: ARMSTRONG-EDDY COUNTY

Sampling Date: 11/11/2024
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Shalyn Rodriguez

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

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	2.15	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 % 71.5-134

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		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	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 % 48.2-134

Surrogate: 1-Chlorooctadecane 86.2 % 49.1-148

Cardinal Laboratories

*=Accredited Analyte

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

Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received: 11/14/2024
 Reported: 11/20/2024
 Project Name: WEST PEARL QUEEN
 Project Number: 19-12
 Project Location: ARMSTRONG-EDDY COUNTY

Sampling Date: 11/11/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

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

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	2.15	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 % 71.5-134

Chloride, SM4500CI-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		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	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 % 48.2-134

Surrogate: 1-Chlorooctadecane 86.1 % 49.1-148

Cardinal Laboratories

*=Accredited Analyte

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

Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received: 11/14/2024
Reported: 11/20/2024
Project Name: WEST PEARL QUEEN
Project Number: 19-12
Project Location: ARMSTRONG-EDDY COUNTY

Sampling Date: 11/11/2024
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Shalyn Rodriguez

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

BTX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	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 BTX	<0.300	0.300	11/16/2024	ND						

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

Chloride, SM4500CI-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		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	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 % 48.2-134

Surrogate: 1-Chlorooctadecane 83.0 % 49.1-148

Cardinal Laboratories

*=Accredited Analyte

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

Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received: 11/14/2024
 Reported: 11/20/2024
 Project Name: WEST PEARL QUEEN
 Project Number: 19-12
 Project Location: ARMSTRONG-EDDY COUNTY

Sampling Date: 11/11/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

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

BTX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	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 BTX	<0.300	0.300	11/16/2024	ND					

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

Chloride, SM4500CI-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		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	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 % 48.2-134

Surrogate: 1-Chlorooctadecane 82.8 % 49.1-148

Cardinal Laboratories

*=Accredited Analyte

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

Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received: 11/14/2024
Reported: 11/20/2024
Project Name: WEST PEARL QUEEN
Project Number: 19-12
Project Location: ARMSTRONG-EDDY COUNTY

Sampling Date: 11/11/2024
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Shalyn Rodriguez

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

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	2.15	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 % 71.5-134

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		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	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 % 48.2-134

Surrogate: 1-Chlorooctadecane 89.2 % 49.1-148

Cardinal Laboratories

*=Accredited Analyte

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

Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received: 11/14/2024
Reported: 11/20/2024
Project Name: WEST PEARL QUEEN
Project Number: 19-12
Project Location: ARMSTRONG-EDDY COUNTY

Sampling Date: 11/11/2024
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Shalyn Rodriguez

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

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	2.15	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 % 71.5-134

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		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	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 % 48.2-134

Surrogate: 1-Chlorooctadecane 82.1 % 49.1-148

Cardinal Laboratories

*=Accredited Analyte

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

Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received: 11/14/2024
Reported: 11/20/2024
Project Name: WEST PEARL QUEEN
Project Number: 19-12
Project Location: ARMSTRONG-EDDY COUNTY

Sampling Date: 11/11/2024
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Shalyn Rodriguez

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

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	2.15	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 % 71.5-134

Chloride, SM4500CI-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		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	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 % 48.2-134

Surrogate: 1-Chlorooctadecane 76.7 % 49.1-148

Cardinal Laboratories

*=Accredited Analyte

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

Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received: 11/14/2024
Reported: 11/20/2024
Project Name: WEST PEARL QUEEN
Project Number: 19-12
Project Location: ARMSTRONG-EDDY COUNTY

Sampling Date: 11/11/2024
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Shalyn Rodriguez

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

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	2.15	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 % 71.5-134

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		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	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 % 48.2-134

Surrogate: 1-Chlorooctadecane 81.3 % 49.1-148

Cardinal Laboratories

*=Accredited Analyte

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

Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received: 11/14/2024
Reported: 11/20/2024
Project Name: WEST PEARL QUEEN
Project Number: 19-12
Project Location: ARMSTRONG-EDDY COUNTY

Sampling Date: 11/11/2024
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Shalyn Rodriguez

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

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	2.15	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 % 71.5-134

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		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	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 % 48.2-134

Surrogate: 1-Chlorooctadecane 79.9 % 49.1-148

Cardinal Laboratories

*=Accredited Analyte

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

Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received: 11/14/2024
 Reported: 11/20/2024
 Project Name: WEST PEARL QUEEN
 Project Number: 19-12
 Project Location: ARMSTRONG-EDDY COUNTY

Sampling Date: 11/11/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

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

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	2.15	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 % 71.5-134

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		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	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 % 48.2-134

Surrogate: 1-Chlorooctadecane 95.1 % 49.1-148

Cardinal Laboratories

*=Accredited Analyte

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

Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received: 11/14/2024
Reported: 11/20/2024
Project Name: WEST PEARL QUEEN
Project Number: 19-12
Project Location: ARMSTRONG-EDDY COUNTY

Sampling Date: 11/11/2024
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Shalyn Rodriguez

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

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	2.15	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 % 71.5-134

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		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	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 % 48.2-134

Surrogate: 1-Chlorooctadecane 103 % 49.1-148

Cardinal Laboratories

*=Accredited Analyte

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

Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received: 11/14/2024
Reported: 11/20/2024
Project Name: WEST PEARL QUEEN
Project Number: 19-12
Project Location: ARMSTRONG-EDDY COUNTY

Sampling Date: 11/11/2024
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Shalyn Rodriguez

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

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) 108 % 71.5-134

Chloride, SM4500CI-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		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	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 % 48.2-134

Surrogate: 1-Chlorooctadecane 119 % 49.1-148

Cardinal Laboratories

*=Accredited Analyte

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

Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received: 11/14/2024
Reported: 11/20/2024
Project Name: WEST PEARL QUEEN
Project Number: 19-12
Project Location: ARMSTRONG-EDDY COUNTY

Sampling Date: 11/11/2024
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Shalyn Rodriguez

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

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) 109 % 71.5-134

Chloride, SM4500CI-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		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	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 % 48.2-134

Surrogate: 1-Chlorooctadecane 102 % 49.1-148

Cardinal Laboratories

*=Accredited Analyte

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

Celey D. Keene, Lab Director/Quality Manager

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

Notes and Definitions

S-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

Cardinal Laboratories

*=Accredited Analyte

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

A handwritten signature in black ink, appearing to read "Celey D. Keene", is written over a horizontal line.

Celey D. Keene, Lab Director/Quality Manager



CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

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

Company Name: Pima Environmental Services				BILL TO		ANALYSIS REQUEST													
Project Manager: Sebastian Orozco				P.O. #:															
Address: 5614 N. Lovington Hwy				Company: Armstrong															
City: Hobbs		State: NM		Zip: 88240															
Phone #: 575-964-7740		Fax #:		Attn:															
Project #: 19-12		Project Owner: Armstrong		Address:															
Project Name: West Pearl Queen		City:		State:															
Project Location: Eddy County				Zip:															
Sampler Name: Marisa Loya				Phone #:															
Fax #:																			
FOR LAB USE ONLY	Lab I.D.	Sample I.D.	(G)RAB OR (C)OMP	# CONTAINERS	MATRIX	PRESERV.	SAMPLING	DATE	TIME	Chloride	TPH	BTEX							
	H246939																		
	1	CS1 - Bottom			SOIL			11/11/24	12:00	X	X	X							
	2	CS2 - Bottom							12:02										
	3	CS3 - Bottom							12:04										
	4	CS4 - Bottom							12:06										
	5	CS5 - Bottom							12:08										
	6	CS6 - Bottom							12:10										
	7	CS7 - Bottom							12:12										
	8	CS8 - Bottom							12:14										
	9	CS9 - Bottom							12:16										
	10	CS10 - Bottom							12:18										

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

Relinquished By:	Date:	Received By:	Phone Result:	<input type="checkbox"/> Yes <input type="checkbox"/> No	Add'l Phone #:
Karime Adame	11-14-24	S. Rodriguez	Fax Result:	<input type="checkbox"/> Yes <input type="checkbox"/> No	Add'l Fax #:
Relinquished By:	Time:		REMARKS:	Standard	
	Date:	Received By:			
	Time:				
Delivered By: (Circle One)	-7.12 C-O-L	Sample Condition	CHECKED BY:		
Sampler - UPS - Bus - Other:	-7.72 #140	Cool <input type="checkbox"/> Intact <input type="checkbox"/>	(Initials)		
		Yes <input type="checkbox"/> No <input type="checkbox"/>	Sebastian@pimasoil.com		

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



CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

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

Company Name: Pima Environmental Services				BILL TO		ANALYSIS REQUEST													
Project Manager: <i>Sebastian Orozco</i>				P.O. #:															
Address: 5614 N. Lovington Hwy				Company: <i>Armstrong</i>															
City: Hobbs State: NM Zip: 88240				Attn:															
Phone #: 575-964-7740 Fax #:				Address:															
Project #: <i>19-12</i> Project Owner: <i>Armstrong</i>				City:															
Project Name: <i>West Pearl Queen</i>				State: Zip:															
Project Location: <i>Eddy County</i>				Phone #:															
Sampler Name: <i>Marisa Loya</i>				Fax #:															
Lab I.D.	Sample I.D.	(G)RAB OR (C)OMP. # CONTAINERS	MATRIX GROUNDWATER WASTEWATER SOIL OIL SLUDGE OTHER:	PRESERV. ACID/BASE: ICE / COOL OTHER:	SAMPLING DATE	TIME	Chloride	TPH	BTEX										
<i>H241839</i>																			
<i>11</i>	<i>CS11 - Bottom</i>					<i>11/11</i>	<i>12:20</i>	<i>X</i>	<i>X</i>	<i>X</i>									
<i>12</i>	<i>CS12 - Bottom</i>						<i>12:24</i>												
<i>13</i>	<i>CS13 - Bottom</i>						<i>12:28</i>												
<i>14</i>	<i>CS14 - Bottom</i>						<i>12:30</i>												
<i>15</i>	<i>CS15 - Bottom</i>						<i>12:36</i>												
<i>16</i>	<i>CS16 - Bottom</i>						<i>12:38</i>												
<i>17</i>	<i>CS17 - Bottom</i>						<i>12:41</i>												
<i>18</i>	<i>CS18 - Bottom</i>						<i>12:48</i>												
<i>19</i>	<i>CS19 - Bottom</i>						<i>12:50</i>												
<i>20</i>	<i>CS20 - Bottom</i>						<i>12:52</i>												

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

Relinquished By: <i>Karime Adame</i>	Date: <i>11-14-24</i>	Received By: <i>S. Rodriguez</i>	Phone Result: <input type="checkbox"/> Yes <input type="checkbox"/> No	Add'l Phone #:
Relinquished By:	Time: <i>0826</i>	Received By:	Fax Result: <input type="checkbox"/> Yes <input type="checkbox"/> No	Add'l Fax #:
Delivered By: (Circle One) <i>7.12 C-O-U</i>	Sample Condition Cool <input type="checkbox"/> Intact <input type="checkbox"/>	CHECKED BY: (Initials) <i>SR</i>	REMARKS: <i>Standard</i>	
Sampler - UPS - Bus - Other: <i>7.7i #140</i>	Yes <input type="checkbox"/> No <input type="checkbox"/>			

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



CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

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

Company Name: Pima Environmental Services				BILL TO				ANALYSIS REQUEST																					
Project Manager: Sebastian Orozco				P.O. #:				<div style="display: flex; justify-content: space-around; align-items: center;"> <div style="writing-mode: vertical-rl; transform: rotate(180deg);">Chloride</div> <div style="writing-mode: vertical-rl; transform: rotate(180deg);">TPH</div> <div style="writing-mode: vertical-rl; transform: rotate(180deg);">BTEX</div> </div>																					
Address: 5614 N. Lovington Hwy				Company: Armstrong																									
City: Hobbs State: NM Zip: 88240				Attn:																									
Phone #: 575-964-7740 Fax #:				Address:																									
Project #: 19-12 Project Owner: Armstrong				City:																									
Project Name: West Pearl Queen				State: Zip:																									
Project Location: Eddy County				Phone #:																									
Sampler Name: Marisa Loya				Fax #:																									
FOR LAB USE ONLY				MATRIX		PRESERV.		SAMPLING																					
Lab I.D.	Sample I.D.	(G)RAB OR (C)OMP.	# CONTAINERS	GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER	ACID/BASE:	ICE / COOL	OTHER	DATE	TIME															
4240939						X							11/11	12:57	X	X	X												
21	CS21 - Bottom													1:00															
22	CS22 - Bottom													1:06															
23	CS23 - Bottom													1:08															
24	CS24 - Bottom													1:11															
25	CS25 - Bottom													1:13															
26	CS26 - Bottom													1:17															
27	CS27 - Bottom													1:25															
28	CS28 - Bottom													1:30															
29	CS29 - Bottom													1:32															
30	CS30 - Bottom																												

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

Relinquished By:	Date: 11-14-24	Received By:	Phone Result: <input type="checkbox"/> Yes <input type="checkbox"/> No	Add'l Phone #:
Karime Adame	Time: 08:20	S. Rodriguez	Fax Result: <input type="checkbox"/> Yes <input type="checkbox"/> No	Add'l Fax #:
Relinquished By:	Date:	Received By:	REMARKS: Standard	
	Time:			
Delivered By: (Circle One)	7.1: 10-0-0	Sample Condition	CHECKED BY: Sebastian@pimaoil.com	
Sampler - UPS - Bus - Other:	7.7: #140	Cool Intact <input type="checkbox"/> Yes <input type="checkbox"/> No		

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



CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

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

Company Name: Pima Environmental Services				BILL TO				ANALYSIS REQUEST																			
Project Manager: Sebastian Orozco				P.O. #:																							
Address: 5614 N. Lovington Hwy				Company: <i>Armstrong</i>																							
City: Hobbs State: NM Zip: 88240				Attn:																							
Phone #: 575-964-7740 Fax #:				Address:																							
Project #: 19-12 Project Owner: <i>Armstrong</i>				City:																							
Project Name: <i>West Pearl Queen</i>				State: Zip:																							
Project Location: <i>Eddy County</i>				Phone #:																							
Sampler Name: <i>Mariza Loya</i>				Fax #:																							
FOR LAB USE ONLY	Lab I.D.	Sample I.D.	(G/RAB OR (C)OMP. # CONTAINERS	MATRIX				PRESERV.	SAMPLING																		
				GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER	ACID/BASE	ICE / COOL	OTHER	DATE	TIME													
	<i>H240939</i>					X					X		<i>11/11</i>	<i>1:34</i>	<i>chlorides</i>	<i>TPH</i>	<i>BTEX</i>										
	<i>31</i>	<i>CS31 - Bottom</i>												<i>1:36</i>													
	<i>32</i>	<i>CS32 - Bottom</i>												<i>1:38</i>													
	<i>33</i>	<i>CS33 - Bottom</i>												<i>1:41</i>													
	<i>34</i>	<i>CS34 - Bottom</i>												<i>1:43</i>													
	<i>35</i>	<i>CS35 - Bottom</i>												<i>1:47</i>													
	<i>36</i>	<i>CS36 - Bottom</i>												<i>1:50</i>													
	<i>37</i>	<i>CS37 - Bottom</i>												<i>1:52</i>													
	<i>38</i>	<i>CS38 - Bottom</i>												<i>1:56</i>													
	<i>39</i>	<i>CS39 - Bottom</i>												<i>1:58</i>													
	<i>40</i>	<i>CS40 - Bottom</i>																									

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

Relinquished By:	Date:	Received By:	Phone Result:	<input type="checkbox"/> Yes <input type="checkbox"/> No	Add'l Phone #:
<i>Karime Adame</i>	<i>11-14-24</i>	<i>Sebastian Orozco</i>	Fax Result:	<input type="checkbox"/> Yes <input type="checkbox"/> No	Add'l Fax #:
Relinquished By:	Date:	Received By:	REMARKS: <i>Standard</i>		
	Time:				
Delivered By: (Circle One) <i>-7.12</i> <i>COOL</i>	Sample Condition	CHECKED BY:	<i>Sebastian @ Pimaail.com</i>		
Sampler - UPS - Bus - Other: <i>-7.72</i> <i>#140</i>	Cool Intact <input type="checkbox"/> Yes <input type="checkbox"/> No	(Initials) <i>SK</i>			

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



CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

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

Company Name: Pima Environmental Services				BILL TO				ANALYSIS REQUEST															
Project Manager: Sebastian Orozco				P.O. #:																			
Address: 5614 N. Lovington Hwy				Company: Armstrong																			
City: Hobbs State: NM Zip: 88240				Attn:																			
Phone #: 575-964-7740 Fax #:				Address:																			
Project #: 19-12 Project Owner: Armstrong				City:																			
Project Name: West Pearl Queen				State: Zip:																			
Project Location: Eddy County				Phone #:																			
Sampler Name: Marisa Loya				Fax #:																			
FOR LAB USE ONLY				MATRIX		PRESERV.		SAMPLING															
Lab I.D.	Sample I.D.	(G)RAB OR (C)OMP.	# CONTAINERS	GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER :	ACID/BASE:	ICE / COOL	OTHER :	DATE	TIME									
H240937						X					X		11/11	2:00	BTEX	Chlorides	TPH						
40	CS41 - Bottom													2:12	X	X	X						
41	CS42 - Bottom													2:16									
42	CS43 - Bottom													2:18									
43	CS44 - Bottom													2:20									
44	CS45 - Bottom													2:23									
45	CS46 - Bottom													2:26									
46	CS47 - Bottom													2:30									
47	CS48 - Bottom													2:34									
48	CS49 - Bottom													2:38									
49	CS50 - Bottom																						
50																							

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

Relinquished By:	Date:	Received By:	Phone Result:	<input type="checkbox"/> Yes <input type="checkbox"/> No	Add'l Phone #:
Karine Adame	11-14-24	Sebastian Orozco	Fax Result:	<input type="checkbox"/> Yes <input type="checkbox"/> No	Add'l Fax #:
Relinquished By:	Date:	Received By:	REMARKS: Standard		
	Time:				
Delivered By: (Circle One)	Time:	Sample Condition	CHECKED BY:		
Sampler - UPS - Bus - Other:		Cool Intact	(Initials)		
		<input type="checkbox"/> Yes <input type="checkbox"/> No	Sebastian @ pimaoil.com		

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



CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

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

Company Name: Pima Environmental Services				BILL TO				ANALYSIS REQUEST																			
Project Manager: Sebastian Orozco				P.O. #:																							
Address: 5614 N. Lovington Hwy				Company: Armstrong																							
City: Hobbs State: NM Zip: 88240				Attn:																							
Phone #: 575-964-7740 Fax #:				Address:																							
Project #: 19-12 Project Owner: Armstrong				City:																							
Project Name: West Pear / Queen				State: Zip:																							
Project Location: Eddy County				Phone #:																							
Sampler Name: Marisa Loya				Fax #:																							
FOR LAB USE ONLY				MATRIX		PRESERV.		SAMPLING																			
Lab I.D.	Sample I.D.	(G)RAB OR (C)OMP.	# CONTAINERS	GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER:	ACID/BASE:	ICE / COOL	OTHER:	DATE	TIME													
12410939																											
51	CS51 - Bottom					X				X			11/11	2:40	X	X	X										
52	CS52 - Bottom													2:42													
53	CS53 - Bottom													2:46													
54	CS54 - Bottom													2:48													
55	CS55 - Bottom													2:50													
56	CS56 - Bottom													2:52													
57	CS57 - Bottom													2:54													
58	CS58 - Bottom													2:56													
59	CS59 - Bottom													3:00													
60	CS60 - Bottom													3:04													

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

Relinquished By:	Date: 11-14-24	Received By:	Phone Result: <input type="checkbox"/> Yes <input type="checkbox"/> No	Add'l Phone #:
Karime Adame	Time: 0826	S. Rodriguez	Fax Result: <input type="checkbox"/> Yes <input type="checkbox"/> No	Add'l Fax #:
Relinquished By:	Date:	Received By:	REMARKS: Standard	
	Time:			
Delivered By: (Circle One) 7-11 0-0-0-0	Sample Condition	CHECKED BY:		
Sampler - UPS - Bus - Other: 7-7-140 #140	Cool Intact <input type="checkbox"/> Yes <input type="checkbox"/> No	(Initials) SK	Sebastian@pimaoil.com	

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



CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

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

Company Name: Pima Environmental Services				BILL TO				ANALYSIS REQUEST																			
Project Manager: Sebastian Orozco				P.O. #:																							
Address: 5614 N. Lovington Hwy				Company: Armstrong																							
City: Hobbs State: NM Zip: 88240				Attn:																							
Phone #: 575-964-7740 Fax #:				Address:																							
Project #: 19-12 Project Owner: Armstrong				City:																							
Project Name: West Pearl Queen				State: Zip:																							
Project Location: Eddy County				Phone #:																							
Sampler Name: Marisa Loya				Fax #:																							
FOR LAB USE ONLY				MATRIX				PRESERV.		SAMPLING																	
Lab I.D.	Sample I.D.	(G)RAB OR (C)OMP.	# CONTAINERS	GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER :	ACID/BASE:	ICE / COOL	OTHER :	DATE	TIME													
42416939																											
41	CS61 - Bottom					X					X		11/11	3:07	Chloride	TPH	BTEX										
42	CS62 - Bottom													3:11													
43	CS63 - Bottom													3:13													
44	CS64 - Bottom													3:17													
45	CS65 - Bottom													3:21													
46	CS66 - Bottom													3:23													
47	CS67 - Bottom													3:24													
48	CS68 - Bottom													3:30													
49	CS69 - Bottom													3:36													
70	CS70 - Bottom													3:41													

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

Relinquished By:	Date:	Received By:	Phone Result:	<input type="checkbox"/> Yes <input type="checkbox"/> No	Add'l Phone #:
Karime Adame	11-14-24	S Rodriguez	Fax Result:	<input type="checkbox"/> Yes <input type="checkbox"/> No	Add'l Fax #:
Relinquished By:	Date:	Received By:	REMARKS: Standard		
	Time:				
Delivered By: (Circle One)		Sample Condition	CHECKED BY:		
7-12 / 10-0-00		Cool Intact	8/2		
Sampler - UPS - Bus - Other:		Yes <input type="checkbox"/> No <input type="checkbox"/>	Sebastian@pimasil.com		
7-70 #140					

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



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

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 www.tceq.texas.gov/field/qa/lab_accred_certif.html.

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

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

Accreditation applies to public drinking water matrices.

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

Sincerely,

A handwritten signature in black ink that reads "Celey D. Keene". The signature is written in a cursive style with a large, stylized 'C' and 'K'.

Celey D. Keene

Lab Director/Quality Manager



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

Analytical Results For:

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

Received: 11/14/2024
 Reported: 11/20/2024
 Project Name: WEST PEARL QUEEN
 Project Number: 19-12
 Project Location: ARMSTRONG-EDDY COUNTY

Sampling Date: 11/11/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

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

BTX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	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 BTX	<0.300	0.300	11/16/2024	ND					

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

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	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 % 48.2-134

Surrogate: 1-Chlorooctadecane 105 % 49.1-148

Cardinal Laboratories

*=Accredited Analyte

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

Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received: 11/14/2024
 Reported: 11/20/2024
 Project Name: WEST PEARL QUEEN
 Project Number: 19-12
 Project Location: ARMSTRONG-EDDY COUNTY

Sampling Date: 11/11/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

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

BTX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	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 BTX	<0.300	0.300	11/16/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 111 % 71.5-134

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	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 % 48.2-134

Surrogate: 1-Chlorooctadecane 105 % 49.1-148

Cardinal Laboratories

*=Accredited Analyte

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

Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received: 11/14/2024
 Reported: 11/20/2024
 Project Name: WEST PEARL QUEEN
 Project Number: 19-12
 Project Location: ARMSTRONG-EDDY COUNTY

Sampling Date: 11/11/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

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

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 % 71.5-134

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 85.3 % 48.2-134

Surrogate: 1-Chlorooctadecane 83.8 % 49.1-148

Cardinal Laboratories

*=Accredited Analyte

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

Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received: 11/14/2024
Reported: 11/20/2024
Project Name: WEST PEARL QUEEN
Project Number: 19-12
Project Location: ARMSTRONG-EDDY COUNTY

Sampling Date: 11/11/2024
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Shalyn Rodriguez

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

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) 108 % 71.5-134

Chloride, SM4500CI-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 % 48.2-134

Surrogate: 1-Chlorooctadecane 85.7 % 49.1-148

Cardinal Laboratories

*=Accredited Analyte

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

Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received: 11/14/2024
 Reported: 11/20/2024
 Project Name: WEST PEARL QUEEN
 Project Number: 19-12
 Project Location: ARMSTRONG-EDDY COUNTY

Sampling Date: 11/11/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

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

BTEx 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	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 % 71.5-134

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		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 92.3 % 48.2-134

Surrogate: 1-Chlorooctadecane 90.0 % 49.1-148

Cardinal Laboratories

*=Accredited Analyte

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

Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received: 11/14/2024
 Reported: 11/20/2024
 Project Name: WEST PEARL QUEEN
 Project Number: 19-12
 Project Location: ARMSTRONG-EDDY COUNTY

Sampling Date: 11/11/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

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 % 71.5-134

Chloride, SM4500CI-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 91.1 % 48.2-134

Surrogate: 1-Chlorooctadecane 88.2 % 49.1-148

Cardinal Laboratories

*=Accredited Analyte

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

Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received: 11/14/2024
 Reported: 11/20/2024
 Project Name: WEST PEARL QUEEN
 Project Number: 19-12
 Project Location: ARMSTRONG-EDDY COUNTY

Sampling Date: 11/11/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 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 % 71.5-134

Chloride, SM4500CI-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 % 48.2-134

Surrogate: 1-Chlorooctadecane 86.5 % 49.1-148

Cardinal Laboratories

*=Accredited Analyte

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

Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received: 11/14/2024
 Reported: 11/20/2024
 Project Name: WEST PEARL QUEEN
 Project Number: 19-12
 Project Location: ARMSTRONG-EDDY COUNTY

Sampling Date: 11/11/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

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 % 71.5-134

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 % 48.2-134

Surrogate: 1-Chlorooctadecane 88.5 % 49.1-148

Cardinal Laboratories

*=Accredited Analyte

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

Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received: 11/14/2024
Reported: 11/20/2024
Project Name: WEST PEARL QUEEN
Project Number: 19-12
Project Location: ARMSTRONG-EDDY COUNTY

Sampling Date: 11/11/2024
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Shalyn Rodriguez

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

BTEx 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	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 % 71.5-134

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 95.5 % 48.2-134

Surrogate: 1-Chlorooctadecane 92.6 % 49.1-148

Cardinal Laboratories

*=Accredited Analyte

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

Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received: 11/14/2024
 Reported: 11/20/2024
 Project Name: WEST PEARL QUEEN
 Project Number: 19-12
 Project Location: ARMSTRONG-EDDY COUNTY

Sampling Date: 11/11/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

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

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) 112 % 71.5-134

Chloride, SM4500CI-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 90.4 % 48.2-134

Surrogate: 1-Chlorooctadecane 88.5 % 49.1-148

Cardinal Laboratories

*=Accredited Analyte

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

Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received: 11/14/2024
Reported: 11/20/2024
Project Name: WEST PEARL QUEEN
Project Number: 19-12
Project Location: ARMSTRONG-EDDY COUNTY

Sampling Date: 11/11/2024
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Shalyn Rodriguez

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

BTX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	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 BTX	<0.300	0.300	11/16/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 105 % 71.5-134

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 93.4 % 48.2-134

Surrogate: 1-Chlorooctadecane 89.3 % 49.1-148

Cardinal Laboratories

*=Accredited Analyte

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

Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received: 11/14/2024
Reported: 11/20/2024
Project Name: WEST PEARL QUEEN
Project Number: 19-12
Project Location: ARMSTRONG-EDDY COUNTY

Sampling Date: 11/11/2024
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Shalyn Rodriguez

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

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 % 71.5-134

Chloride, SM4500CI-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 97.3 % 48.2-134

Surrogate: 1-Chlorooctadecane 93.6 % 49.1-148

Cardinal Laboratories

*=Accredited Analyte

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

Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received: 11/14/2024
 Reported: 11/20/2024
 Project Name: WEST PEARL QUEEN
 Project Number: 19-12
 Project Location: ARMSTRONG-EDDY COUNTY

Sampling Date: 11/11/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

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

BTX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	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 BTX	<0.300	0.300	11/16/2024	ND					

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

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 92.1 % 48.2-134

Surrogate: 1-Chlorooctadecane 89.8 % 49.1-148

Cardinal Laboratories

*=Accredited Analyte

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

Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received: 11/14/2024
Reported: 11/20/2024
Project Name: WEST PEARL QUEEN
Project Number: 19-12
Project Location: ARMSTRONG-EDDY COUNTY

Sampling Date: 11/11/2024
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Shalyn Rodriguez

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

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	11/16/2024	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 % 71.5-134

Chloride, SM4500CI-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 91.3 % 48.2-134

Surrogate: 1-Chlorooctadecane 87.9 % 49.1-148

Cardinal Laboratories

*=Accredited Analyte

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

Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received: 11/14/2024
Reported: 11/20/2024
Project Name: WEST PEARL QUEEN
Project Number: 19-12
Project Location: ARMSTRONG-EDDY COUNTY

Sampling Date: 11/11/2024
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Shalyn Rodriguez

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

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	11/16/2024	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 % 71.5-134

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 90.4 % 48.2-134

Surrogate: 1-Chlorooctadecane 90.5 % 49.1-148

Cardinal Laboratories

*=Accredited Analyte

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

Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received: 11/14/2024
 Reported: 11/20/2024
 Project Name: WEST PEARL QUEEN
 Project Number: 19-12
 Project Location: ARMSTRONG-EDDY COUNTY

Sampling Date: 11/11/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

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

BTEx 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	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 % 71.5-134

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 93.7 % 48.2-134

Surrogate: 1-Chlorooctadecane 90.8 % 49.1-148

Cardinal Laboratories

*=Accredited Analyte

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

Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received: 11/14/2024
 Reported: 11/20/2024
 Project Name: WEST PEARL QUEEN
 Project Number: 19-12
 Project Location: ARMSTRONG-EDDY COUNTY

Sampling Date: 11/11/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: CSW 1 (H246940-17)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	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 % 71.5-134

Chloride, SM4500CI-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 96.1 % 48.2-134

Surrogate: 1-Chlorooctadecane 93.1 % 49.1-148

Cardinal Laboratories

*=Accredited Analyte

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

Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received: 11/14/2024
Reported: 11/20/2024
Project Name: WEST PEARL QUEEN
Project Number: 19-12
Project Location: ARMSTRONG-EDDY COUNTY

Sampling Date: 11/11/2024
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Shalyn Rodriguez

Sample ID: CSW 2 (H246940-18)

BTEx 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	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 % 71.5-134

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 96.1 % 48.2-134

Surrogate: 1-Chlorooctadecane 92.6 % 49.1-148

Cardinal Laboratories

*=Accredited Analyte

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

Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received: 11/14/2024
 Reported: 11/20/2024
 Project Name: WEST PEARL QUEEN
 Project Number: 19-12
 Project Location: ARMSTRONG-EDDY COUNTY

Sampling Date: 11/11/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: CSW 3 (H246940-19)

BTEx 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	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 % 71.5-134

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 96.0 % 48.2-134

Surrogate: 1-Chlorooctadecane 92.1 % 49.1-148

Cardinal Laboratories

*=Accredited Analyte

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

Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received: 11/14/2024
Reported: 11/20/2024
Project Name: WEST PEARL QUEEN
Project Number: 19-12
Project Location: ARMSTRONG-EDDY COUNTY

Sampling Date: 11/11/2024
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Shalyn Rodriguez

Sample ID: CSW 4 (H246940-20)

BTEx 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	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 % 71.5-134

Chloride, SM4500CI-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		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 98.5 % 48.2-134

Surrogate: 1-Chlorooctadecane 94.9 % 49.1-148

Cardinal Laboratories

*=Accredited Analyte

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

Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received: 11/14/2024
 Reported: 11/20/2024
 Project Name: WEST PEARL QUEEN
 Project Number: 19-12
 Project Location: ARMSTRONG-EDDY COUNTY

Sampling Date: 11/11/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: CSW 5 (H246940-21)

BTEX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	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 % 71.5-134

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		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 103 % 48.2-134

Surrogate: 1-Chlorooctadecane 99.5 % 49.1-148

Cardinal Laboratories

*=Accredited Analyte

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

Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received: 11/14/2024
Reported: 11/20/2024
Project Name: WEST PEARL QUEEN
Project Number: 19-12
Project Location: ARMSTRONG-EDDY COUNTY

Sampling Date: 11/11/2024
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Shalyn Rodriguez

Sample ID: CSW 6 (H246940-22)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	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 % 71.5-134

Chloride, SM4500CI-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		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 91.1 % 48.2-134

Surrogate: 1-Chlorooctadecane 87.5 % 49.1-148

Cardinal Laboratories

*=Accredited Analyte

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

Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received: 11/14/2024
 Reported: 11/20/2024
 Project Name: WEST PEARL QUEEN
 Project Number: 19-12
 Project Location: ARMSTRONG-EDDY COUNTY

Sampling Date: 11/11/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: CSW 7 (H246940-23)

BTEx 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	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 % 71.5-134

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		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	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 % 48.2-134

Surrogate: 1-Chlorooctadecane 104 % 49.1-148

Cardinal Laboratories

*=Accredited Analyte

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

Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received: 11/14/2024
 Reported: 11/20/2024
 Project Name: WEST PEARL QUEEN
 Project Number: 19-12
 Project Location: ARMSTRONG-EDDY COUNTY

Sampling Date: 11/11/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: CSW 8 (H246940-24)

BTEx 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	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 % 71.5-134

Chloride, SM4500CI-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		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	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 % 48.2-134

Surrogate: 1-Chlorooctadecane 104 % 49.1-148

Cardinal Laboratories

*=Accredited Analyte

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

Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received: 11/14/2024
Reported: 11/20/2024
Project Name: WEST PEARL QUEEN
Project Number: 19-12
Project Location: ARMSTRONG-EDDY COUNTY

Sampling Date: 11/11/2024
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Shalyn Rodriguez

Sample ID: CSW 9 (H246940-25)

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	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 % 71.5-134

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		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	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 % 48.2-134

Surrogate: 1-Chlorooctadecane 102 % 49.1-148

Cardinal Laboratories

*=Accredited Analyte

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

Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received: 11/14/2024
Reported: 11/20/2024
Project Name: WEST PEARL QUEEN
Project Number: 19-12
Project Location: ARMSTRONG-EDDY COUNTY

Sampling Date: 11/11/2024
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Shalyn Rodriguez

Sample ID: CSW 10 (H246940-26)

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	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 % 71.5-134

Chloride, SM4500CI-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		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	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 % 48.2-134

Surrogate: 1-Chlorooctadecane 100 % 49.1-148

Cardinal Laboratories

*=Accredited Analyte

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

Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received: 11/14/2024
Reported: 11/20/2024
Project Name: WEST PEARL QUEEN
Project Number: 19-12
Project Location: ARMSTRONG-EDDY COUNTY

Sampling Date: 11/11/2024
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Shalyn Rodriguez

Sample ID: CSW 11 (H246940-27)

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	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 % 71.5-134

Chloride, SM4500CI-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		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	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 % 48.2-134

Surrogate: 1-Chlorooctadecane 107 % 49.1-148

Cardinal Laboratories

*=Accredited Analyte

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

Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received: 11/14/2024
 Reported: 11/20/2024
 Project Name: WEST PEARL QUEEN
 Project Number: 19-12
 Project Location: ARMSTRONG-EDDY COUNTY

Sampling Date: 11/11/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: CSW 12 (H246940-28)

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	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 % 71.5-134

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		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	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 % 48.2-134

Surrogate: 1-Chlorooctadecane 104 % 49.1-148

Cardinal Laboratories

*=Accredited Analyte

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

Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received: 11/14/2024
 Reported: 11/20/2024
 Project Name: WEST PEARL QUEEN
 Project Number: 19-12
 Project Location: ARMSTRONG-EDDY COUNTY

Sampling Date: 11/11/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: CSW 13 (H246940-29)

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	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 % 71.5-134

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		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	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 % 48.2-134

Surrogate: 1-Chlorooctadecane 107 % 49.1-148

Cardinal Laboratories

*=Accredited Analyte

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

Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received: 11/14/2024
 Reported: 11/20/2024
 Project Name: WEST PEARL QUEEN
 Project Number: 19-12
 Project Location: ARMSTRONG-EDDY COUNTY

Sampling Date: 11/11/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: CSW 14 (H246940-30)

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	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 % 71.5-134

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		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	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 % 48.2-134

Surrogate: 1-Chlorooctadecane 104 % 49.1-148

Cardinal Laboratories

*=Accredited Analyte

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

Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received: 11/14/2024
Reported: 11/20/2024
Project Name: WEST PEARL QUEEN
Project Number: 19-12
Project Location: ARMSTRONG-EDDY COUNTY

Sampling Date: 11/11/2024
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Shalyn Rodriguez

Sample ID: CSW 15 (H246940-31)

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	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 % 71.5-134

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		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	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 % 48.2-134

Surrogate: 1-Chlorooctadecane 106 % 49.1-148

Cardinal Laboratories

*=Accredited Analyte

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

Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received: 11/14/2024
Reported: 11/20/2024
Project Name: WEST PEARL QUEEN
Project Number: 19-12
Project Location: ARMSTRONG-EDDY COUNTY

Sampling Date: 11/11/2024
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Shalyn Rodriguez

Sample ID: CSW 16 (H246940-32)

BTX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	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 BTX	<0.300	0.300	11/16/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 96.0 % 71.5-134

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		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	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 % 48.2-134

Surrogate: 1-Chlorooctadecane 96.8 % 49.1-148

Cardinal Laboratories

*=Accredited Analyte

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

Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received: 11/14/2024
 Reported: 11/20/2024
 Project Name: WEST PEARL QUEEN
 Project Number: 19-12
 Project Location: ARMSTRONG-EDDY COUNTY

Sampling Date: 11/11/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: CSW 17 (H246940-33)

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	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 % 71.5-134

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		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	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 % 48.2-134

Surrogate: 1-Chlorooctadecane 102 % 49.1-148

Cardinal Laboratories

*=Accredited Analyte

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

Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received: 11/14/2024
 Reported: 11/20/2024
 Project Name: WEST PEARL QUEEN
 Project Number: 19-12
 Project Location: ARMSTRONG-EDDY COUNTY

Sampling Date: 11/11/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: CSW 18 (H246940-34)

BTX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	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 BTX	<0.300	0.300	11/16/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 97.6 % 71.5-134

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		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	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 % 48.2-134

Surrogate: 1-Chlorooctadecane 97.1 % 49.1-148

Cardinal Laboratories

*=Accredited Analyte

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

Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received: 11/14/2024
Reported: 11/20/2024
Project Name: WEST PEARL QUEEN
Project Number: 19-12
Project Location: ARMSTRONG-EDDY COUNTY

Sampling Date: 11/11/2024
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Shalyn Rodriguez

Sample ID: CSW 19 (H246940-35)

BTX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	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 BTX	<0.300	0.300	11/16/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 96.6 % 71.5-134

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		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	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 % 48.2-134

Surrogate: 1-Chlorooctadecane 95.9 % 49.1-148

Cardinal Laboratories

*=Accredited Analyte

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

Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received: 11/14/2024
 Reported: 11/20/2024
 Project Name: WEST PEARL QUEEN
 Project Number: 19-12
 Project Location: ARMSTRONG-EDDY COUNTY

Sampling Date: 11/11/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: CSW 20 (H246940-36)

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	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 % 71.5-134

Chloride, SM4500CI-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		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	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 % 48.2-134

Surrogate: 1-Chlorooctadecane 102 % 49.1-148

Cardinal Laboratories

*=Accredited Analyte

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

Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received: 11/14/2024
 Reported: 11/20/2024
 Project Name: WEST PEARL QUEEN
 Project Number: 19-12
 Project Location: ARMSTRONG-EDDY COUNTY

Sampling Date: 11/11/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: CSW 21 (H246940-37)

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	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 % 71.5-134

Chloride, SM4500CI-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		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	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 % 48.2-134

Surrogate: 1-Chlorooctadecane 111 % 49.1-148

Cardinal Laboratories

*=Accredited Analyte

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

Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received: 11/14/2024
Reported: 11/20/2024
Project Name: WEST PEARL QUEEN
Project Number: 19-12
Project Location: ARMSTRONG-EDDY COUNTY

Sampling Date: 11/11/2024
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Shalyn Rodriguez

Sample ID: CSW 22 (H246940-38)

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	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 % 71.5-134

Chloride, SM4500CI-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		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	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 % 48.2-134

Surrogate: 1-Chlorooctadecane 101 % 49.1-148

Cardinal Laboratories

*=Accredited Analyte

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

Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received: 11/14/2024
Reported: 11/20/2024
Project Name: WEST PEARL QUEEN
Project Number: 19-12
Project Location: ARMSTRONG-EDDY COUNTY

Sampling Date: 11/11/2024
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Shalyn Rodriguez

Sample ID: CSW 23 (H246940-39)

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	2.18	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 % 71.5-134

Chloride, SM4500CI-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		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	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 % 48.2-134

Surrogate: 1-Chlorooctadecane 105 % 49.1-148

Cardinal Laboratories

*=Accredited Analyte

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

Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received: 11/14/2024
Reported: 11/20/2024
Project Name: WEST PEARL QUEEN
Project Number: 19-12
Project Location: ARMSTRONG-EDDY COUNTY

Sampling Date: 11/11/2024
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Shalyn Rodriguez

Sample ID: CSW 24 (H246940-40)

BTX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	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 BTX	<0.300	0.300	11/16/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 97.7 % 71.5-134

Chloride, SM4500CI-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		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	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 % 48.2-134

Surrogate: 1-Chlorooctadecane 83.9 % 49.1-148

Cardinal Laboratories

*=Accredited Analyte

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

Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received: 11/14/2024
Reported: 11/20/2024
Project Name: WEST PEARL QUEEN
Project Number: 19-12
Project Location: ARMSTRONG-EDDY COUNTY

Sampling Date: 11/11/2024
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Shalyn Rodriguez

Sample ID: CSW 25 (H246940-41)

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	2.18	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 % 71.5-134

Chloride, SM4500CI-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		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/16/2024	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 % 48.2-134

Surrogate: 1-Chlorooctadecane 77.3 % 49.1-148

Cardinal Laboratories

*=Accredited Analyte

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

Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received: 11/14/2024
Reported: 11/20/2024
Project Name: WEST PEARL QUEEN
Project Number: 19-12
Project Location: ARMSTRONG-EDDY COUNTY

Sampling Date: 11/11/2024
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Shalyn Rodriguez

Sample ID: CSW 26 (H246940-42)

BTX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	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 BTX	<0.300	0.300	11/16/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 96.8 % 71.5-134

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		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/16/2024	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 % 48.2-134

Surrogate: 1-Chlorooctadecane 82.0 % 49.1-148

Cardinal Laboratories

*=Accredited Analyte

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

Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received: 11/14/2024
Reported: 11/20/2024
Project Name: WEST PEARL QUEEN
Project Number: 19-12
Project Location: ARMSTRONG-EDDY COUNTY

Sampling Date: 11/11/2024
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Shalyn Rodriguez

Sample ID: CSW 27 (H246940-43)

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	2.18	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 % 71.5-134

Chloride, SM4500CI-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		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	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 % 48.2-134

Surrogate: 1-Chlorooctadecane 88.9 % 49.1-148

Cardinal Laboratories

*=Accredited Analyte

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

Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received: 11/14/2024
 Reported: 11/20/2024
 Project Name: WEST PEARL QUEEN
 Project Number: 19-12
 Project Location: ARMSTRONG-EDDY COUNTY

Sampling Date: 11/11/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: CSW 28 (H246940-44)

BTX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	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 BTX	<0.300	0.300	11/16/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 96.1 % 71.5-134

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		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	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 % 48.2-134

Surrogate: 1-Chlorooctadecane 79.5 % 49.1-148

Cardinal Laboratories

*=Accredited Analyte

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

Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received: 11/14/2024
 Reported: 11/20/2024
 Project Name: WEST PEARL QUEEN
 Project Number: 19-12
 Project Location: ARMSTRONG-EDDY COUNTY

Sampling Date: 11/11/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: CSW 29 (H246940-45)

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	2.18	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 % 71.5-134

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		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	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 % 48.2-134

Surrogate: 1-Chlorooctadecane 86.6 % 49.1-148

Cardinal Laboratories

*=Accredited Analyte

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

Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received: 11/14/2024
Reported: 11/20/2024
Project Name: WEST PEARL QUEEN
Project Number: 19-12
Project Location: ARMSTRONG-EDDY COUNTY

Sampling Date: 11/11/2024
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Shalyn Rodriguez

Sample ID: CSW 30 (H246940-46)

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	2.18	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 % 71.5-134

Chloride, SM4500CI-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		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	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 % 48.2-134

Surrogate: 1-Chlorooctadecane 81.9 % 49.1-148

Cardinal Laboratories

*=Accredited Analyte

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

Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received: 11/14/2024
 Reported: 11/20/2024
 Project Name: WEST PEARL QUEEN
 Project Number: 19-12
 Project Location: ARMSTRONG-EDDY COUNTY

Sampling Date: 11/11/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: CSW 31 (H246940-47)

BTX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	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 BTX	<0.300	0.300	11/16/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 97.6 % 71.5-134

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		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	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 % 48.2-134

Surrogate: 1-Chlorooctadecane 72.6 % 49.1-148

Cardinal Laboratories

*=Accredited Analyte

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

Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received: 11/14/2024
Reported: 11/20/2024
Project Name: WEST PEARL QUEEN
Project Number: 19-12
Project Location: ARMSTRONG-EDDY COUNTY

Sampling Date: 11/11/2024
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Shalyn Rodriguez

Sample ID: CSW 32 (H246940-48)

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	2.18	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 % 71.5-134

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		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	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 % 48.2-134

Surrogate: 1-Chlorooctadecane 86.6 % 49.1-148

Cardinal Laboratories

*=Accredited Analyte

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

Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received: 11/14/2024
Reported: 11/20/2024
Project Name: WEST PEARL QUEEN
Project Number: 19-12
Project Location: ARMSTRONG-EDDY COUNTY

Sampling Date: 11/11/2024
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Shalyn Rodriguez

Sample ID: CSW 33 (H246940-49)

BTX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	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 BTX	<0.300	0.300	11/16/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 97.4 % 71.5-134

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		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	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 % 48.2-134

Surrogate: 1-Chlorooctadecane 91.1 % 49.1-148

Cardinal Laboratories

*=Accredited Analyte

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

Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received: 11/14/2024
 Reported: 11/20/2024
 Project Name: WEST PEARL QUEEN
 Project Number: 19-12
 Project Location: ARMSTRONG-EDDY COUNTY

Sampling Date: 11/11/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: CSW 34 (H246940-50)

BTX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	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 BTX	<0.300	0.300	11/16/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 97.0 % 71.5-134

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		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	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 % 48.2-134

Surrogate: 1-Chlorooctadecane 95.4 % 49.1-148

Cardinal Laboratories

*=Accredited Analyte

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

Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received: 11/14/2024
Reported: 11/20/2024
Project Name: WEST PEARL QUEEN
Project Number: 19-12
Project Location: ARMSTRONG-EDDY COUNTY

Sampling Date: 11/11/2024
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Shalyn Rodriguez

Sample ID: CSW 35 (H246940-51)

BTX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	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 BTX	<0.300	0.300	11/16/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 98.3 % 71.5-134

Chloride, SM4500CI-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		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	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 % 48.2-134

Surrogate: 1-Chlorooctadecane 99.8 % 49.1-148

Cardinal Laboratories

*=Accredited Analyte

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

Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received: 11/14/2024
 Reported: 11/20/2024
 Project Name: WEST PEARL QUEEN
 Project Number: 19-12
 Project Location: ARMSTRONG-EDDY COUNTY

Sampling Date: 11/11/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: CSW 36 (H246940-52)

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	2.18	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 % 71.5-134

Chloride, SM4500CI-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		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	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 % 48.2-134

Surrogate: 1-Chlorooctadecane 90.8 % 49.1-148

Cardinal Laboratories

*=Accredited Analyte

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

Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received: 11/14/2024
Reported: 11/20/2024
Project Name: WEST PEARL QUEEN
Project Number: 19-12
Project Location: ARMSTRONG-EDDY COUNTY

Sampling Date: 11/11/2024
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Shalyn Rodriguez

Sample ID: CSW 37 (H246940-53)

BTX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	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 BTX	<0.300	0.300	11/16/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 95.4 % 71.5-134

Chloride, SM4500CI-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		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	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 % 48.2-134

Surrogate: 1-Chlorooctadecane 97.7 % 49.1-148

Cardinal Laboratories

*=Accredited Analyte

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

Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received: 11/14/2024
Reported: 11/20/2024
Project Name: WEST PEARL QUEEN
Project Number: 19-12
Project Location: ARMSTRONG-EDDY COUNTY

Sampling Date: 11/11/2024
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Shalyn Rodriguez

Sample ID: CSW 38 (H246940-54)

BTX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	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 BTX	<0.300	0.300	11/16/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 97.8 % 71.5-134

Chloride, SM4500CI-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		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	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 % 48.2-134

Surrogate: 1-Chlorooctadecane 102 % 49.1-148

Cardinal Laboratories

*=Accredited Analyte

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

Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received: 11/14/2024
 Reported: 11/20/2024
 Project Name: WEST PEARL QUEEN
 Project Number: 19-12
 Project Location: ARMSTRONG-EDDY COUNTY

Sampling Date: 11/11/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: CSW 39 (H246940-55)

BTX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	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 BTX	<0.300	0.300	11/16/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 98.7 % 71.5-134

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		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	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 % 48.2-134

Surrogate: 1-Chlorooctadecane 100 % 49.1-148

Cardinal Laboratories

*=Accredited Analyte

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

Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received: 11/14/2024
 Reported: 11/20/2024
 Project Name: WEST PEARL QUEEN
 Project Number: 19-12
 Project Location: ARMSTRONG-EDDY COUNTY

Sampling Date: 11/11/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: CSW 40 (H246940-56)

BTX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	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 BTX	<0.300	0.300	11/16/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 97.4 % 71.5-134

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		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	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 % 48.2-134

Surrogate: 1-Chlorooctadecane 94.3 % 49.1-148

Cardinal Laboratories

*=Accredited Analyte

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

Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received: 11/14/2024
Reported: 11/20/2024
Project Name: WEST PEARL QUEEN
Project Number: 19-12
Project Location: ARMSTRONG-EDDY COUNTY

Sampling Date: 11/11/2024
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Shalyn Rodriguez

Sample ID: CSW 41 (H246940-57)

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	2.18	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 % 71.5-134

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		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	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 % 48.2-134

Surrogate: 1-Chlorooctadecane 96.6 % 49.1-148

Cardinal Laboratories

*=Accredited Analyte

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

Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received: 11/14/2024
Reported: 11/20/2024
Project Name: WEST PEARL QUEEN
Project Number: 19-12
Project Location: ARMSTRONG-EDDY COUNTY

Sampling Date: 11/11/2024
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Shalyn Rodriguez

Sample ID: CSW 42 (H246940-58)

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	2.18	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 % 71.5-134

Chloride, SM4500CI-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		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	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 % 48.2-134

Surrogate: 1-Chlorooctadecane 96.0 % 49.1-148

Cardinal Laboratories

*=Accredited Analyte

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

Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received: 11/14/2024
 Reported: 11/20/2024
 Project Name: WEST PEARL QUEEN
 Project Number: 19-12
 Project Location: ARMSTRONG-EDDY COUNTY

Sampling Date: 11/11/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: CSW 43 (H246940-59)

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	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 % 71.5-134

Chloride, SM4500CI-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		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	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 % 48.2-134

Surrogate: 1-Chlorooctadecane 87.0 % 49.1-148

Cardinal Laboratories

*=Accredited Analyte

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

Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received: 11/14/2024
 Reported: 11/20/2024
 Project Name: WEST PEARL QUEEN
 Project Number: 19-12
 Project Location: ARMSTRONG-EDDY COUNTY

Sampling Date: 11/11/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: CSW 44 (H246940-60)

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	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 % 71.5-134

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		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	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 % 48.2-134

Surrogate: 1-Chlorooctadecane 98.2 % 49.1-148

Cardinal Laboratories

*=Accredited Analyte

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

Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received: 11/14/2024
Reported: 11/20/2024
Project Name: WEST PEARL QUEEN
Project Number: 19-12
Project Location: ARMSTRONG-EDDY COUNTY

Sampling Date: 11/11/2024
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Shalyn Rodriguez

Sample ID: CSW 45 (H246940-61)

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	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 % 71.5-134

Chloride, SM4500CI-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		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	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 % 48.2-134

Surrogate: 1-Chlorooctadecane 94.6 % 49.1-148

Cardinal Laboratories

*=Accredited Analyte

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

Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received: 11/14/2024
 Reported: 11/20/2024
 Project Name: WEST PEARL QUEEN
 Project Number: 19-12
 Project Location: ARMSTRONG-EDDY COUNTY

Sampling Date: 11/11/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: CSW 46 (H246940-62)

BTX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	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 BTX	<0.300	0.300	11/16/2024	ND					

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

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		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	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 % 48.2-134

Surrogate: 1-Chlorooctadecane 95.6 % 49.1-148

Cardinal Laboratories

*=Accredited Analyte

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

Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received: 11/14/2024
 Reported: 11/20/2024
 Project Name: WEST PEARL QUEEN
 Project Number: 19-12
 Project Location: ARMSTRONG-EDDY COUNTY

Sampling Date: 11/11/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: CSW 47 (H246940-63)

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	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 % 71.5-134

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		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	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 % 48.2-134

Surrogate: 1-Chlorooctadecane 88.5 % 49.1-148

Cardinal Laboratories

*=Accredited Analyte

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

Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received: 11/14/2024
 Reported: 11/20/2024
 Project Name: WEST PEARL QUEEN
 Project Number: 19-12
 Project Location: ARMSTRONG-EDDY COUNTY

Sampling Date: 11/11/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: CSW 48 (H246940-64)

BTX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	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 BTX	<0.300	0.300	11/16/2024	ND					

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

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		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	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 % 48.2-134

Surrogate: 1-Chlorooctadecane 86.5 % 49.1-148

Cardinal Laboratories

*=Accredited Analyte

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

Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received: 11/14/2024
Reported: 11/20/2024
Project Name: WEST PEARL QUEEN
Project Number: 19-12
Project Location: ARMSTRONG-EDDY COUNTY

Sampling Date: 11/11/2024
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Shalyn Rodriguez

Sample ID: CSW 49 (H246940-65)

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	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 % 71.5-134

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		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	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 % 48.2-134

Surrogate: 1-Chlorooctadecane 89.3 % 49.1-148

Cardinal Laboratories

*=Accredited Analyte

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

Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received: 11/14/2024
 Reported: 11/20/2024
 Project Name: WEST PEARL QUEEN
 Project Number: 19-12
 Project Location: ARMSTRONG-EDDY COUNTY

Sampling Date: 11/11/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: CSW 50 (H246940-66)

BTX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	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 BTX	<0.300	0.300	11/16/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 105 % 71.5-134

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		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	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 % 48.2-134

Surrogate: 1-Chlorooctadecane 88.8 % 49.1-148

Cardinal Laboratories

*=Accredited Analyte

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

Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received: 11/14/2024
 Reported: 11/20/2024
 Project Name: WEST PEARL QUEEN
 Project Number: 19-12
 Project Location: ARMSTRONG-EDDY COUNTY

Sampling Date: 11/11/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: CSW 51 (H246940-67)

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	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 % 71.5-134

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		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	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 % 48.2-134

Surrogate: 1-Chlorooctadecane 83.0 % 49.1-148

Cardinal Laboratories

*=Accredited Analyte

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

Celey D. Keene, Lab Director/Quality Manager

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

Notes and Definitions

S-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 SM4500Cl-B does not require samples be received at or below 6°C Samples reported on an as received basis (wet) unless otherwise noted on report

Cardinal Laboratories

*=Accredited Analyte

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

A handwritten signature in black ink, appearing to read "C. D. Keene", is written over a horizontal line.

Celey D. Keene, Lab Director/Quality Manager



CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

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

Company Name: Pima Environmental Services				BILL TO		ANALYSIS REQUEST													
Project Manager: <u>Sebastian Orozco</u>				P.O. #:															
Address: 5614 N. Lovington Hwy				Company: <u>Armstrong</u>															
City: Hobbs State: NM Zip: 88240				Attn:															
Phone #: 575-964-7740 Fax #:				Address:															
Project #: <u>19-12</u> Project Owner: <u>Armstrong</u>				City:															
Project Name: <u>West Pearl Queen</u>				State: Zip:															
Project Location: <u>Eddy County</u>				Phone #:															
Sampler Name: <u>Marisa Loya</u>				Fax #:															
FOR LAB USE ONLY	Lab I.D.	Sample I.D.	(G)RAB OR (C)OMP # CONTAINERS	MATRIX	PRESERV.	SAMPLING	DATE	TIME	Chloride	TPH	BTEX								
	H246940																		
	1	CS71-Bottom																	
	2	CS72-Bottom																	
	3	CS73-Bottom																	
	4	CS74-Bottom																	
	5	CS75-Bottom																	
	6	CS76-Bottom																	
	7	CS77-Bottom																	
	8	CS78-Bottom																	
	9	CS79-Bottom																	
	10	CS80-Bottom																	

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

Relinquished By:	Date:	Received By:	Phone Result:	<input type="checkbox"/> Yes <input type="checkbox"/> No	Add'l Phone #:
<u>Karime Adame</u>	<u>11/14/21</u>	<u>S. Rodriguez</u>	Fax Result:	<input type="checkbox"/> Yes <input type="checkbox"/> No	Add'l Fax #:
Relinquished By:	Date:	Received By:	REMARKS: <u>Standard</u>		
	Time:				
Delivered By: (Circle One)	Date:	Sample Condition	CHECKED BY:		
<u>7-12) 0-0-42</u>		Cool Intact	(Initials)		
Sampler - UPS - Bus - Other:	Time:	<input type="checkbox"/> Yes <input type="checkbox"/> No	<u>SK</u>		
<u>7-72 #140</u>			<u>Sebastian@pimaoil.com</u>		

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



CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

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

Company Name: Pima Environmental Services		BILL TO		ANALYSIS REQUEST																								
Project Manager: <i>Sebastian Orozco</i>		P.O. #:		<div style="display: flex; justify-content: space-between;"> <div style="writing-mode: vertical-rl; transform: rotate(180deg);"> BTEX Chloride TPH </div> </div>																								
Address: 5614 N. Lovington Hwy		Company: <i>Armstrong</i>																										
City: Hobbs State: NM Zip: 88240		Attn:																										
Phone #: 575-964-7740 Fax #:		Address:																										
Project #: <i>19-12</i> Project Owner: <i>Armstrong</i>		City:																										
Project Name: <i>West Pearl Queen</i>		State: Zip:																										
Project Location:		Phone #:																										
Sampler Name:		Fax #:																										
FOR LAB USE ONLY	Lab I.D.	Sample I.D.	(G)RAB OR (C)OMP	# CONTAINERS	GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER	ACID/BASE	ICE / COOL	OTHER	DATE	TIME													
	<i>H246940</i>						<i>X</i>				<i>X</i>			<i>11/11</i>	<i>4:19</i>	<i>X</i>	<i>X</i>	<i>X</i>										
	<i>11</i>	<i>CS81 - Bottom</i>																										
	<i>12</i>	<i>CS82 - Bottom</i>																										
	<i>13</i>	<i>CS83 - Bottom</i>																										
	<i>14</i>	<i>CS84 - Bottom</i>																										
	<i>15</i>	<i>CS85 - Bottom</i>																										
	<i>16</i>	<i>CS86 - Bottom</i>																										
	<i>17</i>	<i>CSW1</i>																										
	<i>18</i>	<i>CSW2</i>																										
	<i>19</i>	<i>CSW3</i>																										
	<i>20</i>	<i>CSW4</i>																										

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

Relinquished By: <i>Karime Adame</i>	Date: <i>11-14-24</i>	Received By: <i>S. Rodriguez</i>	Phone Result: <input type="checkbox"/> Yes <input type="checkbox"/> No	Add'l Phone #:
Relinquished By:	Time: <i>08:00</i>	Received By:	Fax Result: <input type="checkbox"/> Yes <input type="checkbox"/> No	Add'l Fax #:
Delivered By: (Circle One) <i>7-120-0-0-0</i>	Time:	Sample Condition	REMARKS: <i>Standard</i>	
Sampler - UPS - Bus - Other: <i>7-7-2 #140</i>		Cool Intact <input type="checkbox"/> Yes <input type="checkbox"/> No	CHECKED BY: (Initials) <i>SR</i>	
			Sebastian@pimasoil.com	

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



CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

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

Company Name: Pima Environmental Services				BILL TO		ANALYSIS REQUEST													
Project Manager: Sebastian Orozco				P.O. #:															
Address: 5614 N. Lovington Hwy				Company: Armstrong															
City: Hobbs State: NM Zip: 88240				Attn:															
Phone #: 575-964-7740 Fax #:				Address:															
Project #: 19-12 Project Owner: Armstrong				City:															
Project Name: West Pearl Queen				State: Zip:															
Project Location: Eddy County				Phone #:															
Sampler Name: Marisa Loya				Fax #:															
Lab I.D.	Sample I.D.	(G)RAB OR (C)OMP.	# CONTAINERS	MATRIX	PRESERV.	SAMPLING	DATE	TIME	Chloride	TPH	BTEX								
H24H0940																			
21	CSW5			SOIL			11/11	4:45	X	X	X								
22	CSW6							4:50											
23	CSW7							4:52											
24	CSW8							4:56											
25	CSW9							4:59											
26	CSW10							5:00											
27	CSW11							5:02											
28	CSW12							5:06											
29	CSW13							5:11											
30	CSW14							5:12											

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

Relinquished By:	Date:	Received By:	Phone Result:	Fax Result:	REMARKS:
Karime Adams	11/14/24	Stodkiewicz	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No	Standard
Relinquished By:	Date:	Received By:			
	08/26				
Delivered By: (Circle One)	Time:	Sample Condition	CHECKED BY:		
Sampler - UPS - Bus - Other:	7:12 C.O.U.	Cool Intact	(Initials)		
	7:12 #140	<input type="checkbox"/> Yes <input type="checkbox"/> No	8/2	Sebastian@pimaoil.com	

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



CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

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

Company Name: Pima Environmental Services				BILL TO				ANALYSIS REQUEST																				
Project Manager: Sebastian Orozco				P.O. #:																								
Address: 5614 N. Lovington Hwy				Company: Armstrong																								
City: Hobbs State: NM Zip: 88240				Attn:																								
Phone #: 575-964-7740 Fax #:				Address:																								
Project #: 19-12 Project Owner: Armstrong				City:																								
Project Name: West Pearl Queen				State: Zip:																								
Project Location: Eddy County				Phone #:																								
Sampler Name: Marisa Loya				Fax #:																								
FOR LAB USE ONLY	Lab I.D.	Sample I.D.	(G)RAB OR (C)OMP.	# CONTAINERS	MATRIX					PRESERV.		SAMPLING																
					GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER:	ACID/BASE:	ICE / COOL	OTHER:	DATE	TIME	Chlorides	TPH	BTEX										
	H246940						X					X		11/11	5:14	X	X	X										
	31	CSW15													5:16													
	32	CSW16													5:19													
	33	CSW17													5:23													
	34	CSW18													5:28													
	35	CSW19													5:30													
	36	CSW20													6:37													
	37	CSW21													5:38													
	38	CSW22													5:41													
	39	CSW23													5:42													
	40	CSW 24																										

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

Relinquished By: Karime Adame	Date: 11-14-24 Time: 0826	Received By: S. Rodriguez	Phone Result: <input type="checkbox"/> Yes <input type="checkbox"/> No	Add'l Phone #:
Relinquished By:	Date:	Received By:	Fax Result: <input type="checkbox"/> Yes <input type="checkbox"/> No	Add'l Fax #:
Delivered By: (Circle One) 7-11 C-0-11	Time:	Sample Condition: Cool Intact	REMARKS: Standard	
Sampler - UPS - Bus - Other: 7-7 #140		Yes <input type="checkbox"/> No <input type="checkbox"/>	CHECKED BY: Sebastian @pimaoil.com	

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

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

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

[illegible]

* Cardinal cannot accept verbal changes. Please fax written changes to (575) 202-2222



CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

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

Company Name: Pima Environmental Services				BILL TO				ANALYSIS REQUEST																		
Project Manager: Sebastian Orozco				P.O. #:																						
Address: 5614 N. Lovington Hwy				Company: Armstrong																						
City: Hobbs State: NM Zip: 88240				Attn:																						
Phone #: 575-964-7740 Fax #:				Address:																						
Project #: 19-12 Project Owner: Armstrong				City:																						
Project Name: West Pearl Queen				State: Zip:																						
Project Location: Eddy County				Phone #:																						
Sampler Name: Marisa Loya				Fax #:																						
FOR LAB USE ONLY				MATRIX				PRESERV.		SAMPLING																
Lab I.D.	Sample I.D.	(G)RAB OR (C)OMP	# CONTAINERS	GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER:	ACID/BASE:	ICE / COOL	OTHER:	DATE	TIME	Chloride	TPH	BTEX									
H240940						X				X			11/11	6:23	X	X	X									
51	CSW35													6:26												
52	CSW36													6:28												
53	CSW37													6:30												
54	CSW38													6:38												
55	CSW39													6:41												
56	CSW40													6:48												
57	CSW41													6:50												
58	CSW42													6:53												
59	CSW43													6:59												
60	CSW44																									

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

Relinquished By: Karime Adams	Date: 11-14-24 Time: 0826	Received By: Skodkiewicz	Phone Result: <input type="checkbox"/> Yes <input type="checkbox"/> No	Add'l Phone #:
Relinquished By:	Date:	Received By:	Fax Result: <input type="checkbox"/> Yes <input type="checkbox"/> No	Add'l Fax #:
Delivered By: (Circle One) - 7.10-0.00	Time:	Sample Condition	REMARKS: Standard	
Sampler - UPS - Bus - Other: - 7.7: #140		Cool Intact <input type="checkbox"/> Yes <input type="checkbox"/> No	Sebastian @pimaoil.com	
		CHECKED BY: (Initials) SYZ		

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



CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

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

Company Name: Pima Environmental Services				BILL TO				ANALYSIS REQUEST																		
Project Manager: Sebastian Orozco				P.O. #:				<div style="display: flex; justify-content: space-around;"> <div>Chloride</div> <div>TPH</div> <div>BTEX</div> </div>																		
Address: 5614 N. Lovington Hwy				Company: Armstrong																						
City: Hobbs State: NM Zip: 88240				Attn:																						
Phone #: 575-964-7740 Fax #:				Address:																						
Project #: 19-12 Project Owner: Armstrong				City:																						
Project Name: West Pearl Queen				State: Zip:																						
Project Location: Eddy County				Phone #:																						
Sampler Name: Marisa Loya				Fax #:																						
FOR LAB USE ONLY				MATRIX				PRESERV.		SAMPLING																
Lab I.D.	Sample I.D.	(G/RAB OR (C)OMP.	# CONTAINERS	GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER:	ACID/BASE:	ICE / COOL	OTHER:	DATE	TIME												
H2410940													11/11	7:00												
41	CSW45													7:06												
42	CSW46													7:11												
43	CSW47													7:14												
44	CSW48													7:17												
45	CSW49													7:28												
46	CSW50													7:30												
47	CSW51																									

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

Relinquished By: Karina Adame	Date: 11-14-24	Received By: S. Rodriguez	Phone Result: <input type="checkbox"/> Yes <input type="checkbox"/> No	Add'l Phone #:
Relinquished By:	Date:	Received By:	Fax Result: <input type="checkbox"/> Yes <input type="checkbox"/> No	Add'l Fax #:
Delivered By: (Circle One) 7-12) C-0-40	Time: 08:20		REMARKS: Standard	
Sampler - UPS - Bus - Other: 7-72 #140	Time:		Sebastian@pinaoil.com	
Sample Condition	Cool Intact	CHECKED BY: (Initials) SR		
<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No			

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

Sante Fe Main Office
Phone: (505) 476-3441

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

Action 421983

QUESTIONS

Operator: ARMSTRONG ENERGY CORP P.O. Box 1973 Roswell, NM 88202	OGRID: 1092
	Action Number: 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	No
Has this release endangered or does it have a reasonable probability of endangering public health	No
Has this release substantially damaged or will it substantially damage property or the environment	No
Is this release of a volume that is or may with reasonable probability be detrimental to fresh water	Yes

Nature and Volume of Release

Material(s) released, please answer all that apply below. Any calculations or specific justifications for the volumes provided should be attached to the follow-up C-141 submission.

Crude Oil Released (bbls) Details	Not answered.
Produced Water Released (bbls) Details	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.

Sante Fe Main Office
Phone: (505) 476-3441

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, Page 2

Action 421983

QUESTIONS (continued)

Operator: ARMSTRONG ENERGY CORP P.O. Box 1973 Roswell, NM 88202	OGRID: 1092
	Action Number: 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.
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.
<i>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.</i>	

Initial Response

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

The source of the release has been stopped	True
The impacted area has been secured to protect human health and the environment	True
Released materials have been contained via the use of berms or dikes, absorbent pads, or other containment devices	True
All free liquids and recoverable materials have been removed and managed appropriately	True
If all the actions described above have not been undertaken, explain why	Not answered.

Per Paragraph (4) of Subsection B of 19.15.29.8 NMAC the responsible party may commence remediation immediately after discovery of a release. If remediation has begun, please prepare and attach a narrative of actions to date in the follow-up C-141 submission. If remedial efforts have been successfully completed or if the release occurred within a lined containment area (see Subparagraph (a) of Paragraph (5) of Subsection A of 19.15.29.11 NMAC), please prepare and attach all information needed for closure evaluation in the follow-up C-141 submission.

I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to OCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the OCD does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment. In addition, OCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations.

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

Sante Fe Main Office
Phone: (505) 476-3441

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, Page 3

Action 421983

QUESTIONS (continued)

Operator: ARMSTRONG ENERGY CORP P.O. Box 1973 Roswell, NM 88202	OGRID: 1092
	Action Number: 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
<i>Attach a comprehensive report demonstrating the lateral and vertical extents of soil contamination associated with the release have been determined, pursuant to 19.15.29.11 NMAC and 19.15.29.13 NMAC.</i>	
Have the lateral and vertical extents of contamination been fully delineated	Yes
Was this release entirely contained within a lined containment area	No

Soil Contamination Sampling: (Provide the highest observable value for each, in milligrams per kilograms.)

Chloride (EPA 300.0 or SM4500 Cl B)	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 efforts at remediation, the report must include a proposed remediation plan in accordance with 19.15.29.12 NMAC, which includes the anticipated timelines for beginning and completing the remediation.

On what estimated date will the remediation commence	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 time of submission and may (be) change(d) over time as more remediation efforts are completed.

The OCD recognizes that proposed remediation measures may have to be minimally adjusted in accordance with the physical realities encountered during remediation. If the responsible party has any need to significantly deviate from the remediation plan proposed, then it should consult with the division to determine if another remediation plan submission is required.

Sante Fe Main Office
Phone: (505) 476-3441

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, Page 4

Action 421983

QUESTIONS (continued)

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

QUESTIONS

Remediation Plan (continued)	
<i>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.</i>	
This remediation will (or is expected to) utilize the following processes to remediate / reduce contaminants:	
<i>(Select all answers below that apply.)</i>	
(Ex Situ) Excavation and off-site disposal (i.e. dig and haul, hydrovac, etc.)	Yes
Which OCD approved facility will be used for off-site disposal	R360 ARTESIA LLC LANDFARM [FEEM0112340644]
OR which OCD approved well (API) will be used for off-site disposal	Not answered.
OR is the off-site disposal site, to be used, out-of-state	Not answered.
OR is the off-site disposal site, to be used, an NMED facility	Not answered.
(Ex Situ) Excavation and on-site remediation (i.e. On-Site Land Farms)	Not answered.
(In Situ) Soil Vapor Extraction	Not answered.
(In Situ) Chemical processing (i.e. Soil Shredding, Potassium Permanganate, etc.)	Not answered.
(In Situ) Biological processing (i.e. Microbes / Fertilizer, etc.)	Not answered.
(In Situ) Physical processing (i.e. Soil Washing, Gypsum, Disking, etc.)	Not answered.
Ground Water Abatement pursuant to 19.15.30 NMAC	Not answered.
OTHER (Non-listed remedial process)	Not answered.
<i>Per Subsection B of 19.15.29.11 NMAC unless the site characterization report includes completed efforts at remediation, the report must include a proposed remediation plan in accordance with 19.15.29.12 NMAC, which includes the anticipated timelines for beginning and completing the remediation.</i>	
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
<i>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.</i>	

Sante Fe Main Office
Phone: (505) 476-3441

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, Page 5

Action 421983

QUESTIONS (continued)

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

QUESTIONS

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

Sante Fe Main Office
Phone: (505) 476-3441

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, Page 6

Action 421983

QUESTIONS (continued)

Operator: ARMSTRONG ENERGY CORP P.O. Box 1973 Roswell, NM 88202	OGRID: 1092
	Action Number: 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	
<i>Only answer the questions in this group if seeking remediation closure for this release because all remediation steps have been completed.</i>	
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
<i>The responsible party must attach information demonstrating they have complied with all applicable closure requirements and any conditions or directives of the OCD. This demonstration should be in the form of a comprehensive report (in .pdf format) including a scaled site map, sampling diagrams, relevant field notes, photographs of any excavation prior to backfilling, laboratory data including chain of custody documents of final sampling, and a narrative of the remedial activities. Refer to 19.15.29.12 NMAC.</i>	
I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to OCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the OCD does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment. In addition, OCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations. The responsible party acknowledges they must substantially restore, reclaim, and re-vegetate the impacted surface area to the conditions that existed prior to the release or their final land use in accordance with 19.15.29.13 NMAC including notification to the OCD when reclamation and re-vegetation are complete.	
I hereby agree and sign off to the above statement	Name: Jeffery Tew Title: Operations Engineer Email: Jtew@aecnm.com Date: 01/17/2025

Sante Fe Main Office
Phone: (505) 476-3441

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, Page 7

Action 421983

QUESTIONS (continued)

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

QUESTIONS

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

Sante Fe Main Office
Phone: (505) 476-3441

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

CONDITIONS

Action 421983

CONDITIONS

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

CONDITIONS

Created By	Condition	Condition Date
nvez	None	3/3/2025